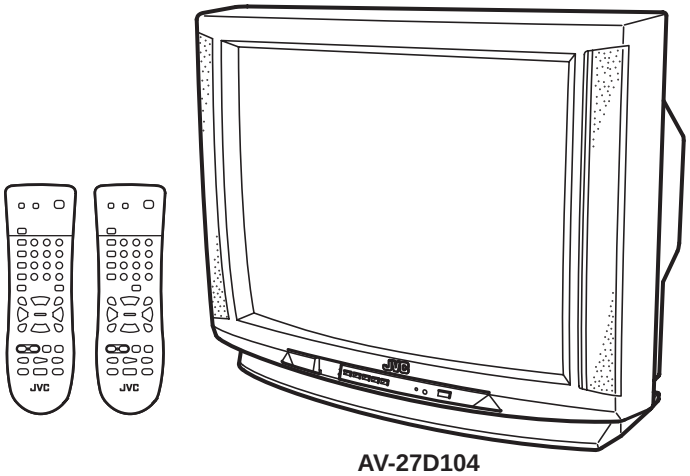
JVC

SERVICE MANUAL

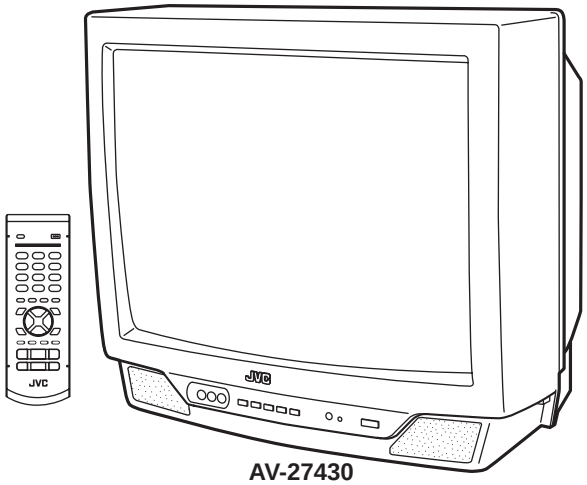
COLOR TELEVISION

BASIC CHASSIS
FE2

AV-27D104/RA, AV-27D104/SA,
AV-27D304/RA, AV-27D304/SA,
AV-27430/RA, AV-27430/SA,
AV-27432/RA, AV-27432/SA



AV-27D104
AV-27D304



AV-27430
AV-27432

TABLE OF CONTENTS

1 PRECAUTIONS 1-3
2 SPECIFIC SERVICE INSTRUCTIONS 1-4
3 ADJUSTMENT 1-12

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No.52102
2003/03

SPECIFICATION

Items	Contents	
	AV-27D104 / AV-27D304	**AV-27430 / AV-27432**
Dimensions (W x H x D)	75.2cm x 59.0cm x 53.1cm (29-5/8" x 23-1/4" x 23")	65.4cm x 59.3cm x 49.4cm (25-3/4" x 23-3/8" x 19-1/2")
Mass	32.2kg (70.8 lbs)	31.1kg (68.5 lbs)
TV RF System	CCIR(M)	
Color Sound System	NTSC, BTSC System (Multi Channel Sound)	
TV Receiving Channels and Frequency VL Band VH Band UHF Band	 02ch~06ch : 54MHz~88MHz 07ch~13ch : 174MHz~216MHz 14ch~69ch : 470MHz~806MHz	
CATV Receiving Channels and Frequency Low Band High Band Mid Band Super Band Hyper Band Ultra Band Sub Mid Band	54MHz~804MHz 02~06, A-8 by 02~06&01 07~13 by 07~13 A~1 by 14~22 J~W by 23~36 W+1~W+28 by 37~64 W+29~W+84 by 65~125 A8, A4~A1 by 01, 96~99	
TV/CATV Total Channel	180 Channels	
Intermediate Frequency Video IF Carrier Sound IF Carrier	 45.75MHz 41.25MHz (4.5MHz)	
Color Sub Carrier	3.58MHz	
Power Input	120V AC, 60Hz	
Power Consumption	105W	
Picture Tube	27" (68cm) Measured diagonally H: 55.4cm x V: 41.8cm	
High Voltage	28kV±1.3kV (at zero beam current)	
Speaker	5 x 9cm (2" x 3-1/2") Oval type x 2	
Audio Power Output	1.2W + 1.2W	
Video / Audio Input (1 / 2 / 3) Video (1 / 3) Audio (1 / 2 / 3) S-Video (Input 1) Component (Input 2)	 1V(p-p), 75ohm (RCA pin jack x 2) 500mV(rms) (-4dBs), high impedance (RCA pin jack x 8) Mini DIN 4pin x 1 Y : 1V(p-p) positive (negative sync provided, when terminated with 75ohm) C : 0.286V(p-p) (burst signal when terminated with 75ohm) RCA pin jack x 3 Y : 1V(p-p) positive (negative sync provided, when terminated with 75ohm) Pb/Pr : 0.7V(p-p) 75ohm	
Audio Output (Variable)	More then 0~1550mVrms (+4dBs) Low impedance (400Hz when modulated 100%) (RCA pin jack)	
Antenna terminal (VHF/UHF)	F-type connector, 75ohm	
Remote Control Unit	RM-C1253G [AV-27D304] RM-C1255G [AV-27D104] (AA battery x 2 or Lithium cell battery x 1)	RM-C203 (AA battery x 2 or Lithium cell battery x 1)

Design & specifications are subject to change without notice.

SECTION 1
PRECAUTIONS

1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts that have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Use isolation transformer when hot chassis.**
The chassis and any sub-chassis contained in some products are connected to one side of the AC power line. An isolation transformer of adequate capacity should be inserted between the product and the AC power supply point while performing any service on some products when the HOT chassis is exposed.

(5) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED(NEUTRAL) : (⏚) side GND and EARTH : (⏚) side GND. Don't short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND and never measure with a measuring apparatus (oscilloscope etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND at the same time.
If above note will not be kept, a fuse or any parts will be broken.

(6) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.

(7) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).

(8) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.

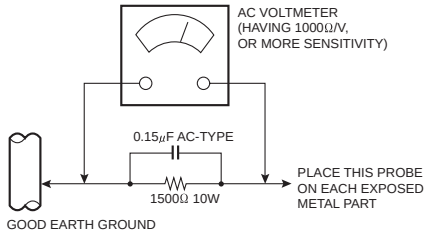
(9) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(10) **Isolation Check**
(Safety for Electrical Shock Hazard) After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screwheads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

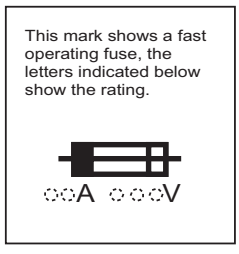
a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 1100V AC (r.m.s.) for a period of one second.
(. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires test equipment not generally found in the service trade.

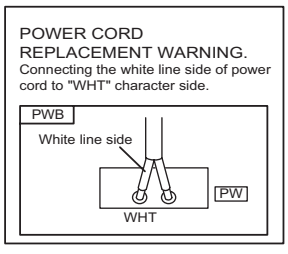
b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.2mA AC (r.m.s).

- **Alternate Check Method**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a 1500ohm 10W resistor paralleled by a 0.15µF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



(11) **High voltage hold down circuit check.**
After repair of the high voltage hold down circuit, this circuit shall be checked to operate correctly.
See item **"How to check the high voltage hold down circuit"**.





SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

Function	AV-27D104	AV-27D304	AV-27430	AV-27432	Description
Tele-Text (Closed-Caption)	used	used	used	used	Title TELE-TEXT broadcast of C1~C4 and T1~T4 formula is receivable.
Digital Comb Filter	used	used	used	used	By the three-line digital comb filter, the refreshed image can be seen.
Video Status (THEATER)	used	used	-	-	Expression of a favorite screen can be chosen by the VIDEO STATUS function (STANDARD-DYNAMIC-THEATER-GAME).
Video Status (SPORTS)	-	-	used	used	Expression of a favorite screen can be chosen by the VIDEO STATUS function (STANDARD-DYNAMIC-SPORTS-GAME).
GAME button	used	-	used	used	Sets automatically the proper conditions for playing video game (previously connected in the front input).
Component input	used	used	used	used	Since the component signal input terminal is equipped, it reappears direct without deteriorating the signal from DVD.
BBE	-	used	-	-	BBE high definition audio adds natural, clear and extraordinary sound quality to any program.
V-CHIP	used	used	used	used	Since the V chip is built in, it can choose, view and listen to a healthy program.
Hyper-Surround	used	used	-	-	Creates a deep, three-dimensional sound effect by channeling the audio through the TV's front-firing speakers.
MTS Stereo	used	used	used	used	The voice multiplex function of the MTS system is built in. (MTS = Multi channel TV Sound system)
Return Plus	used	used	used	used	You program a specific channel to return to while scanning through the channels using the CH+ and CH buttons.

2.2 MAIN DIFFERENCE LIST

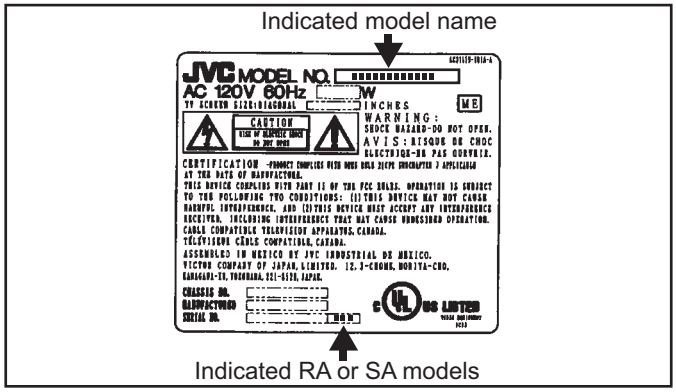
- The difference between AV-27D104/AV-27D304 series models and AV-27430/AV-27432 series models are mainly in the CABINET.
- The difference between RA models and SA models is in the PICTURE TUBE. As the result of the difference in PICTURE TUBE, the MAIN PWB also differ.
- The difference between AV-27D104 series models and AV-27D304 series models are in the CABINET color.
- The difference between AV-27430 series models and AV-27432 series models are in the CABINET color.

⚠	Part name	AV-27D104 /RA	AV-27D104 /SA	AV-27D304 /RA	AV-27D304 /SA
⚠	MAIN PWB	SFE-1026A-M2	SFE-1025A-M2	SFE-1022A-M2	SFE-1021A-M2
⚠	PICTURE TUBE (ITC)	A68ADT25X01	A68QDN891X001	A68ADT25X01	A68QDN891X001
⚠	FRONT CABINET	GQ10018-003A-A	GQ10018-003A-A	GQ10018-001B-A	GQ10018-001B-A
⚠	REAR COVER	GQ10017-001B-A	GQ10017-001B-A	GQ10017-001B-A	GQ10017-001B-A
	REMOTE CONTROL UNIT	RM-C1255G-1H	RM-C1255G-1H	RM-C1253G-1H	RM-C1253G-1H

⚠	Part name	AV-27430 /RA	AV-27430 /SA	AV-27432 /RA	AV-27432 /SA
⚠	MAIN PWB	SFE-1028A-M2	SFE-1027A-M2	SFE-1030A-M2	SFE-1029A-M2
⚠	PICTURE TUBE (ITC)	A68ADT25X01	A68QDN891X001	A68ADT25X01	A68QDN891X001
⚠	FRONT CABINET	LC10081-004B-A	LC10081-004B-A	LC10081-008A-A	LC10081-008A-A
⚠	REAR COVER	LC10082-005A-A	LC10082-005A-A	LC10082-003A-A	LC10082-003A-A
	REMOTE CONTROL UNIT	RM-C203-1C	RM-C203-1C	RM-C1255G-1H	RM-C1255G-1H

2.3 HOW TO IDENTIFY MODELS

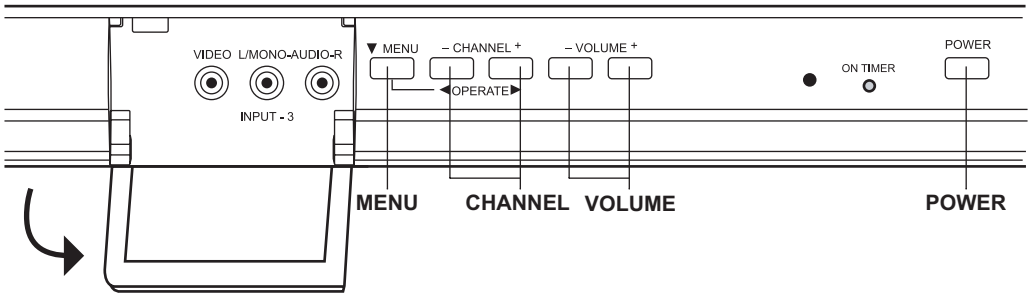
How to recognize from the appearance of the model concerned is written right figure. Please distinguish from several contents on the printing label.



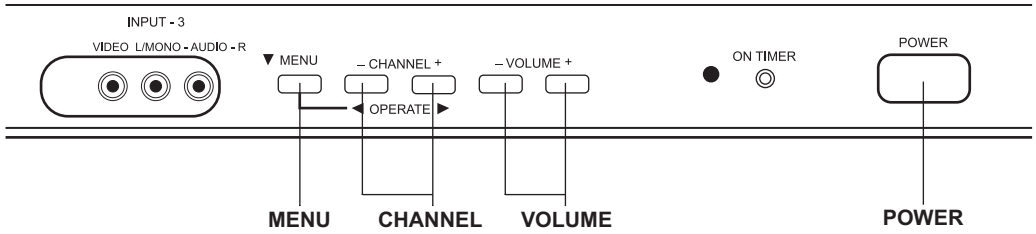
2.4 FUNCTIONS

[FRONT PANEL]

<AV-27D104 / AV-27D304>

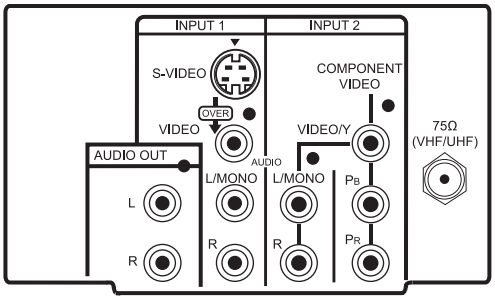


<AV-27430 / AV-27432>

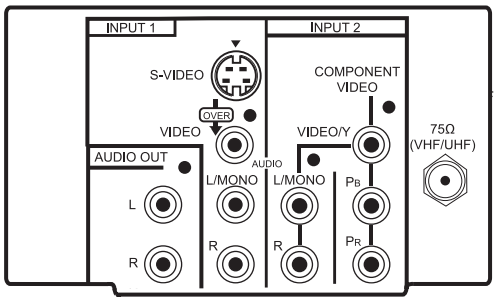


[REAR PANEL]

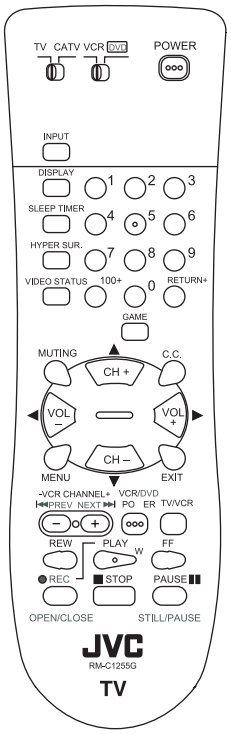
<AV-27D104 / AV-27D304>



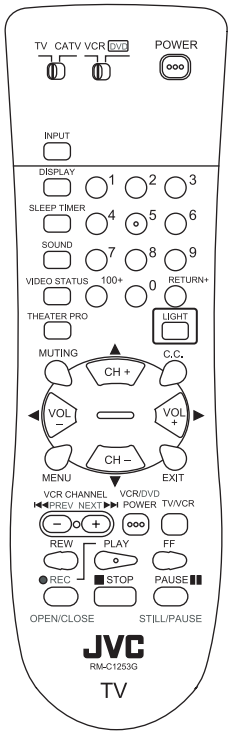
<AV-27430 / AV-27432>



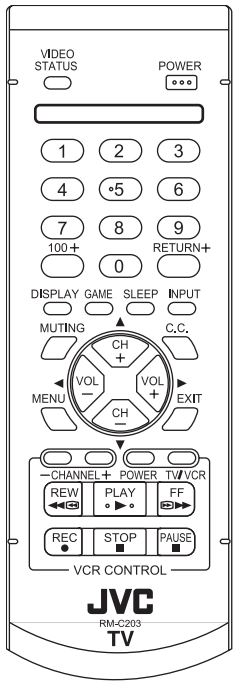
[REMOTE CONTROL UNIT]



AV-27D104 (RM-C1255G)



AV-27D304 (RM-C1253G)



AV-27430 / AV-27432 (RM-C203)

2.5 DISASSEMBLY PROCEDURE

2.5.1 REMOVING THE REAR COVER [AV-27D104 / AV-27D304]

(1) Unplug the power plug.
(2) Remove the 11 screws **[A]** (Fig.1).
(3) Remove the 4 screws **[B]** (Fig.1).
(4) Then remove the REAR COVER toward you.

2.5.2 REMOVING THE REAR COVER [AV-27430 / AV-27432]

(1) Unplug the power plug.
(2) Remove the 7 screws **[A]** (Fig.2).
(3) Remove the 4 screws **[B]** (Fig.2).
(4) Then remove the REAR COVER toward you.

2.5.3 REMOVING THE MAIN PWB

• Remove the REAR COVER.
(1) Raise this side of the MAIN PWB, and remove the PWB STOPPER **[C]** from the cabinet.
(2) Withdraw the MAIN PWB backward. (If necessary, remove the wire clamp, connectors etc.)

2.5.4 REMOVING THE SPEAKER [AV-27D104 / AV-27D304]

• Remove the REAR COVER.
(1) Remove the 4 screws **[D]**, then remove the speaker (Fig.1).
(2) Follow the same steps when remove the other hand speaker.

2.5.5 REMOVING THE SPEAKER [AV-27430 / AV-27432]

• Remove the REAR COVER.
(1) Remove the 2 screws **[D]**, then remove the speaker (Fig.2).
(2) Follow the same steps when remove the other hand speaker.

NOTE:

When removing the 2 screws **[D]** of the speaker, remove the lower side screw first, and then remove the upper one.

2.5.6 CHECKING THE PW BOARD

(1) Pull out the MAIN PWB (refer to REMOVING THE MAIN PWB).
(2) Erect the MAIN PWB vertically so that you can easily check the backside of the PW Board.

CAUTION:

- When erecting the chassis, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the wire connector is properly connected.
- When conducting a check with power supplied, be sure to confirm that the CRT EARTH WIRE (BRAIDED ASS'Y) is connected to the CRT SOCKET PW board.

2.5.7 WIRE CLAMPING AND CABLE TYING

(1) Be sure to clamp the wire.
(2) Never remove the cable tie used for tying the wires together.
Should it be inadvertently removed, be sure to tie the wires with a new cable tie.

[AV-27D104 / AV-27D304]

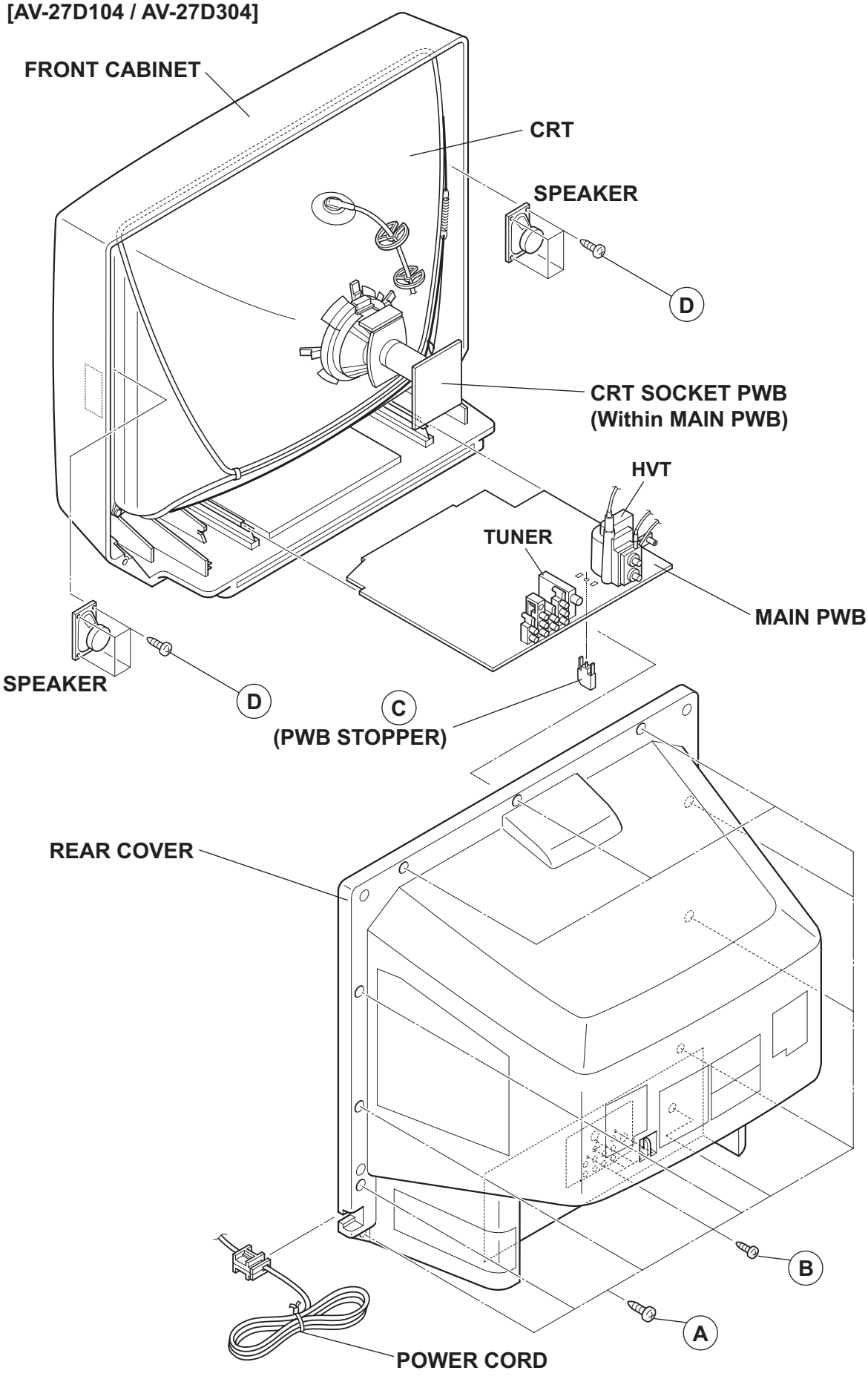


Fig.1

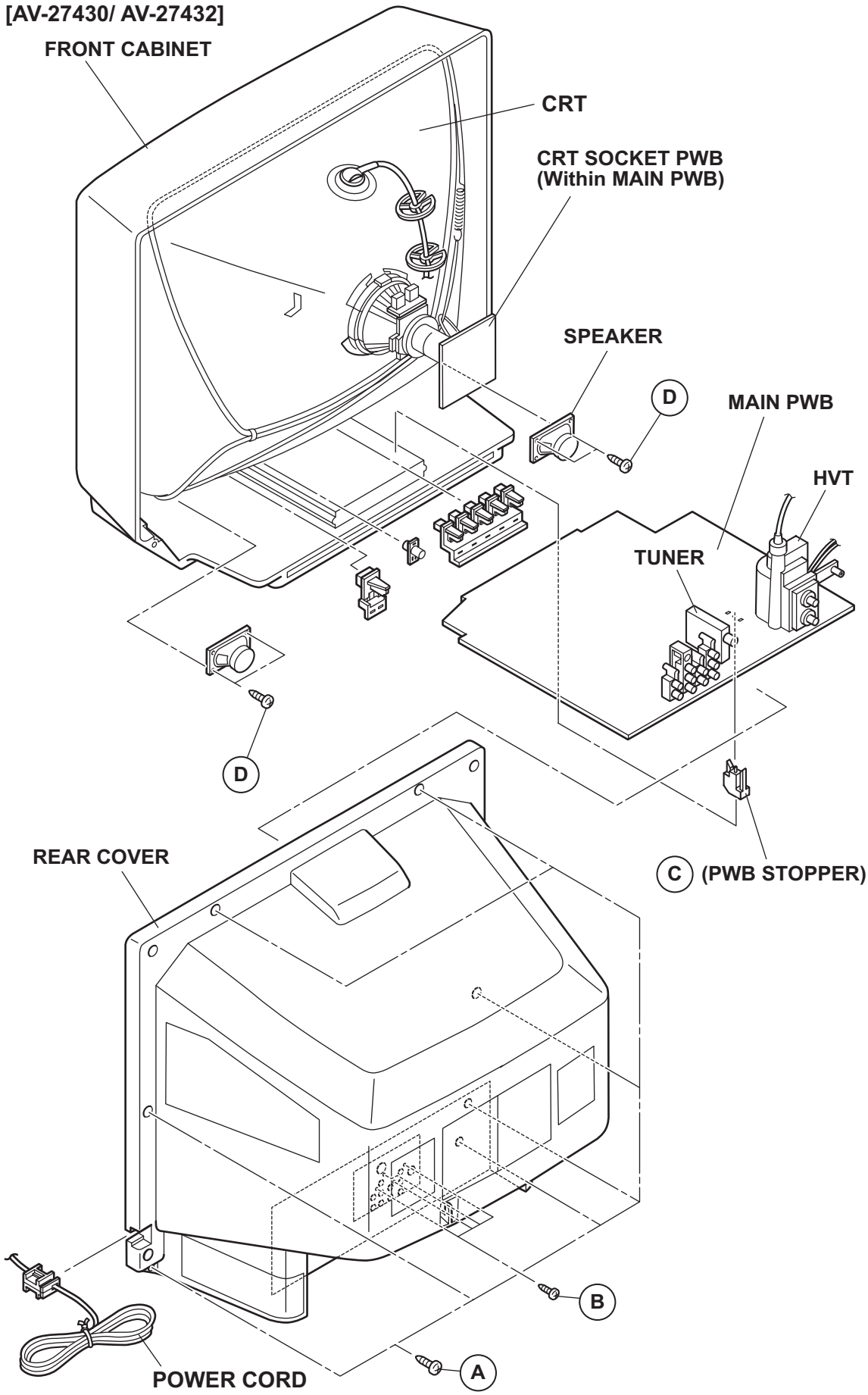

[AV-27430/ AV-27432]
FRONT CABINET
CRT
CRT SOCKET PWB
(Within MAIN PWB)
SPEAKER
D
MAIN PWB
HVT
TUNER
D
C
(PWB STOPPER)
REAR COVER
B
A
POWER CORD

Fig.2

2.6 MEMORY IC REPLACEMENT

2.6.1 MEMORY IC

This TV use memory IC.
In the memory IC, there are memorized data for correctly operating the video and deflection circuits.
When replacing the memory IC, be sure to use IC written with the initial values of data.

2.6.2 PROCEDURE FOR REPLACING MEMORY IC

(1) Power off
Switch the power off and unplug the power cord from the outlet.

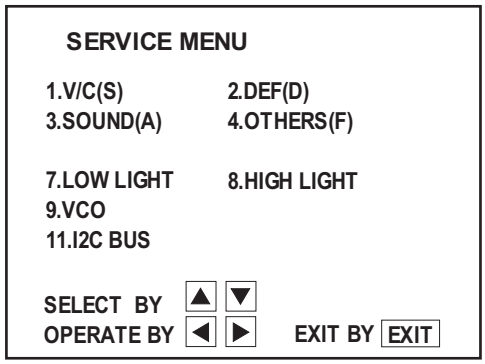
(2) Replace IC
Be sure to use a memory IC written with the initial setting data.

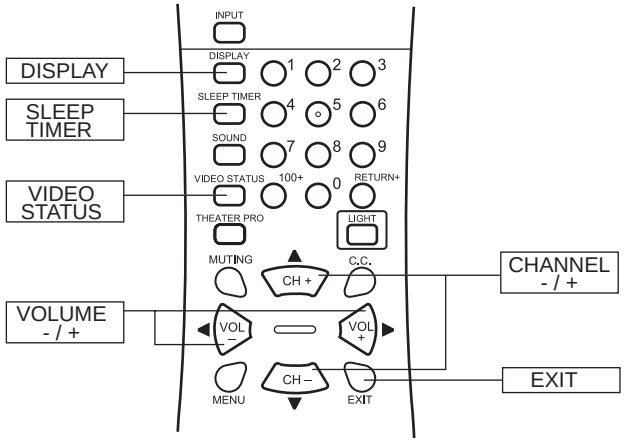
(3) Power on
Connect the power cord to the outlet and switch the power on.

(4) Setting of receive channels
Set the receive channels. For setting, refer to the OPERATING INSTRUCTIONS.

(5) User settings
Check the user setting items according to “USER SETTING VALUES”, and if these are different, set the correct value.

(6) SERVICE MENU setting
Verify what to set in the SERVICE MENU, and set whatever is necessary. Refer to the SERVICE ADJUSTMENT for setting.





NOTE:
Although this illustration of remote control unit is written about RM-C12543G(AV-27D304), it can use for operating the other model of remote control unit as same key assignment.

2.6.3 USER SETTING VALUES

Setting item	Setting value	Setting item	Setting value
REMOTE CONTROL UNIT KEY			
POWER	OFF	VIDEO STATUS	DYNAMIC
CHANNEL	CH-02	HYPER SURROUND	OFF [AV-27D104]
VOLUME	15	THEATER PRO	OFF [AV-27D304]
TV/VIDEO	TV	GAME	OFF [Except AV-27D304]
DISPLAY	OFF		
SETTING OF MENU			
PICTURE MODE		**INITIAL SETUP MODE**	
TINT	Center	LANGUAGE	ENG
COLOR	Center	FRONT PANELLOCK	OFF
PICTURE	+8	V2 COMPONENT-IN	NO
BRIGHT	Center	AUTO SHUT OFF	OFF
DETAIL	+10	CLOSED CAPTION	OFF
NOISE MUTING	ON	AUTO TUNER SET UP	AIR
SOUND MODE		CHANNEL SUMMARY	Unnecessary to set
BASS	Center	V-CHIP	OFF
TREBLE	Center	SET LOCK CODE	(0000) Unnecessary to set
BALANCE	Center	XDS ID	ON
MTS	STEREO		
HYPER SURROUND	OFF [Except AV-27D104]		
CLOCK / TIMERS MODE			
SET CLOCK	Manual		
TIME ZONE	PACIFIC		
D.S.T.	OFF		
ON / OFF TIMER	OFF		

2.7 REPLACEMENT OF CHIP COMPONENT

2.7.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

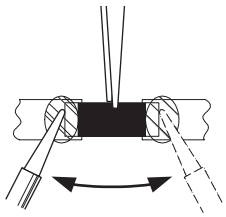
2.7.2 SOLDERING IRON

(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

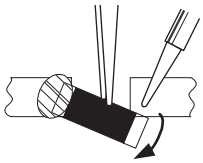
2.7.3 REPLACEMENT STEPS

1. How to remove Chip parts
[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



(2) Shift with the tweezers and remove the chip part.

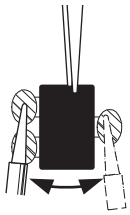


[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.



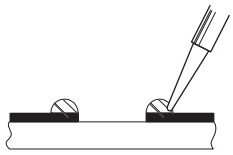
(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



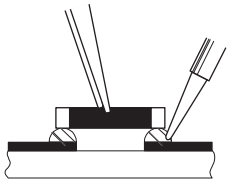
Note :
After removing the part, remove remaining solder from the pattern.

2. How to install Chip parts
[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

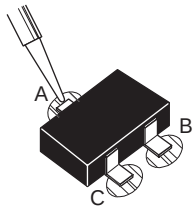


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

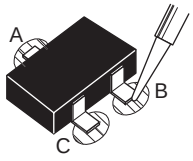


[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



SECTION 3
ADJUSTMENT

3.1 ADJUSTMENT PREPARATION

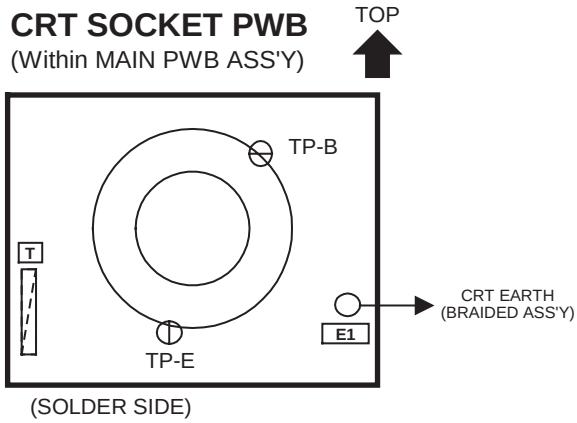
(1) There are 2 ways of adjusting this TV : One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.
(2) The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
(3) Make sure that connection is correctly made AC to AC power source.
(4) Turn on the power of the TV and measuring instruments for warning up for at least 30 minutes before starting adjustments.
(5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
(6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.
(7) Preparation for adjustment. Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

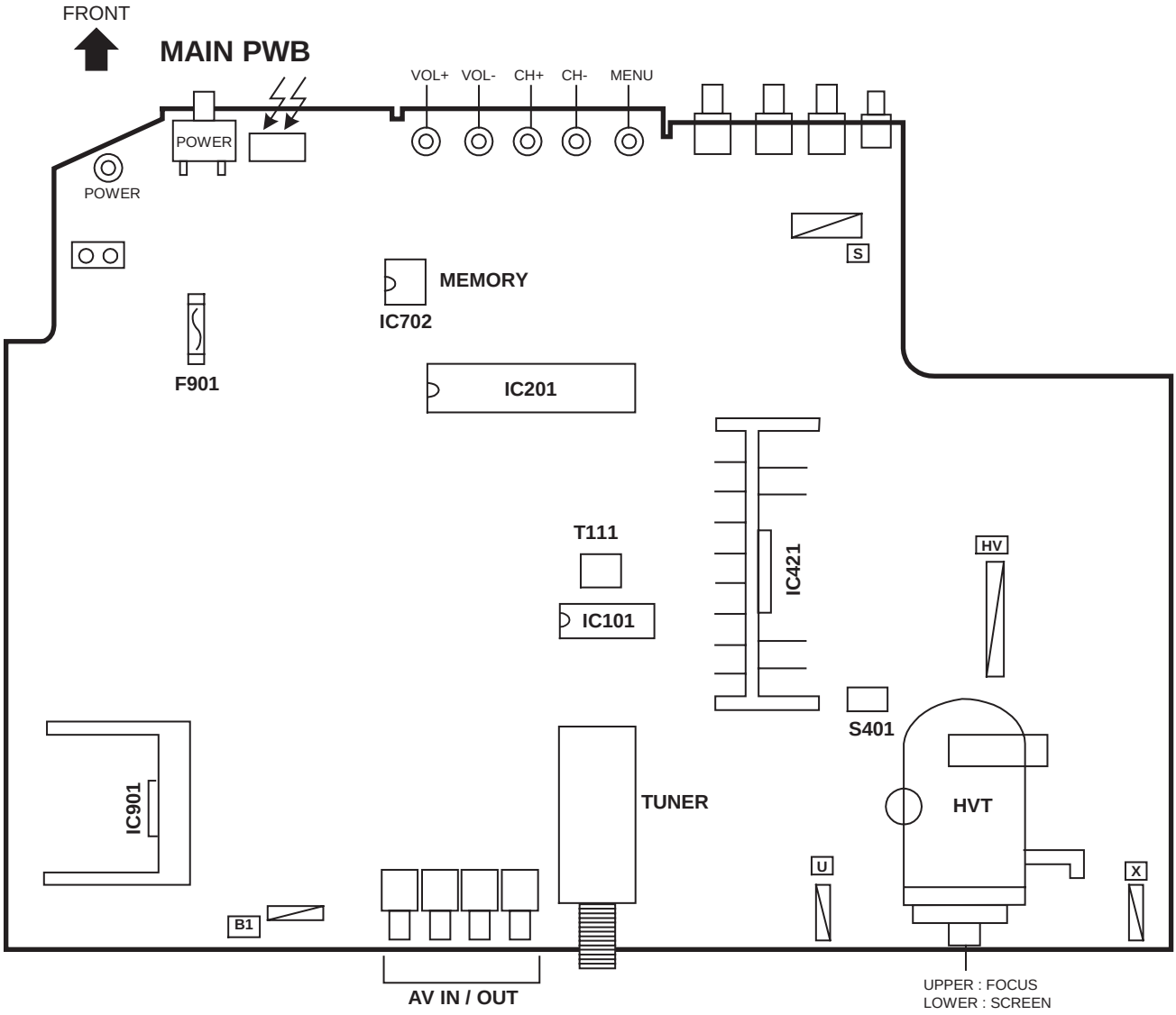
Item	Preset value
PICTURE MODE (VSM)	DYNAMIC
BASS / TREBLE / BALANCE	Center
HYPER SURROUND	OFF
TINT / COLOR / PICTURE / BRIGHT / DETAIL	Center
MTS	STEREO

3.2 MEASURING INSTRUMENT AND FIXTURES

(1) DC voltmeter (or digital voltmeter)
(2) Oscilloscope
(3) Signal generator (Pattern generator) [NTSC]
(4) TV audio multiplex signal generator
(5) Remote control unit

3.3 ADJUSTMENT LOCATIONS





3.4 BASIC OPERATION OF SERVICE MENU

3.4.1 TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

3.4.2 SERVICE MENU ITEMS

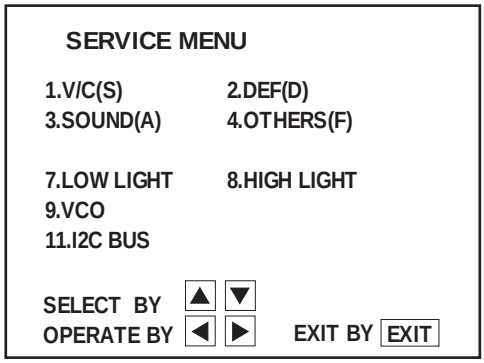
With the SERVICE MENU, various adjustments can be made, and they are broadly classified in the following items of settings.

(1) V/C (S)	This mode adjusts the VIDEO and CHROMA control circuit.
(2) DEF (D)	This mode adjusts the DEFLECTION control circuit.
(3) SOUND (A)	This mode adjusts the SOUND control circuit.
(4) OTHERS (F)	This mode adjusts the display setting and the other settings (Do not change the values).
(7) LOW LIGHT	This mode adjusts the WHITE BALANCE (LOW LIGHT) control circuit.
(8) HIGH LIGHT	This mode adjusts the WHITE BALANCE (HIGH LIGHT) control circuit.
(9) VCO	This mode adjusts the VCO control circuit.
(11) I2C BUS	This mode adjusts the I2C BUS control circuit (They are fixed).

3.4.3 BASIC OPERATION IN SERVICE MENU

3.4.3.1 HOW TO ENTER THE SERVICE MENU

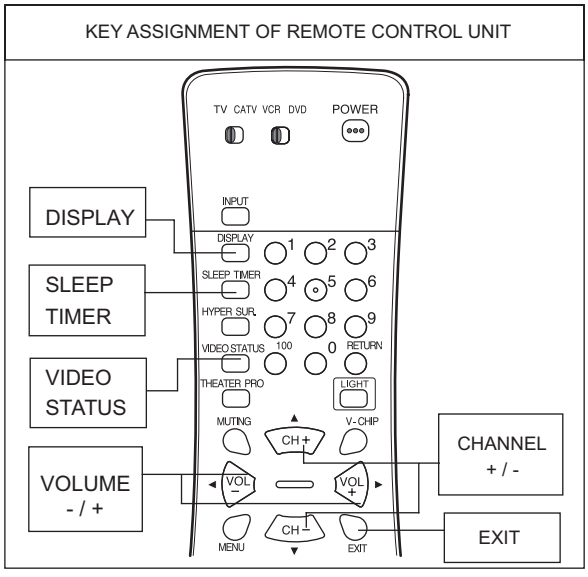
(1) Press the [SLEEP TIMER] key and set the SLEEP TIMER for "0 MIN".
Then press the [DISPLAY] key and [VIDEO STATUS] key of the remote control unit at the same time to enter the SERVICE MENU screen.



3.4.3.2 SUB MENU SCREEN SELECTION

Press [VOLUME (-/+)] keys of the REMOTE CONTROL UNIT, and select the SUB MENU SCREEN from SERVICE MENU.
In SERVICE MENU, press the [CHANNEL (-/+)] key to select any of the SUB MENU items. The letters of the selected items are displayed in yellow.

1.V/C(S) 2.DEF(D)
3.SOUND(A) 4.OTHERS(F)
7.LOW LIGHT 8.HIGH LIGHT
9.VCO
11.I^2C BUS



NOTE:
Although this illustration of remote control unit is written about RM-C12543G(AV-27D304), it can use for operating the other model of remote control unit as same key assignment.

3.4.3.3 SETTING METHOD

[1.V/C(S) ADJUSTMENT MODE]

For example, adjust the 1.V/C(S) by using the REMOTE CONTROL UNIT.

1) Press the [CHANNEL (-/+)] keys to select the one of setting item from S01 BRIGHT to S21 AGC ADJ.
2) Press the [VOLUME (-/+)] keys to change the setting value. The setting value will be stored automatically when release the REMOTE CONTROL UNIT keys. It can adjust the items from 1.V/C(S) to 3.SOUND(A) in the same procedure.

[7.LOW LIGHT, 8.HIGH LIGHT AND 9.VCO ADJUSTMENT MODE]

Since the key operation in this mode is peculiar, please refer to the clause of the "ADJUSTMENT PROCEDURE".

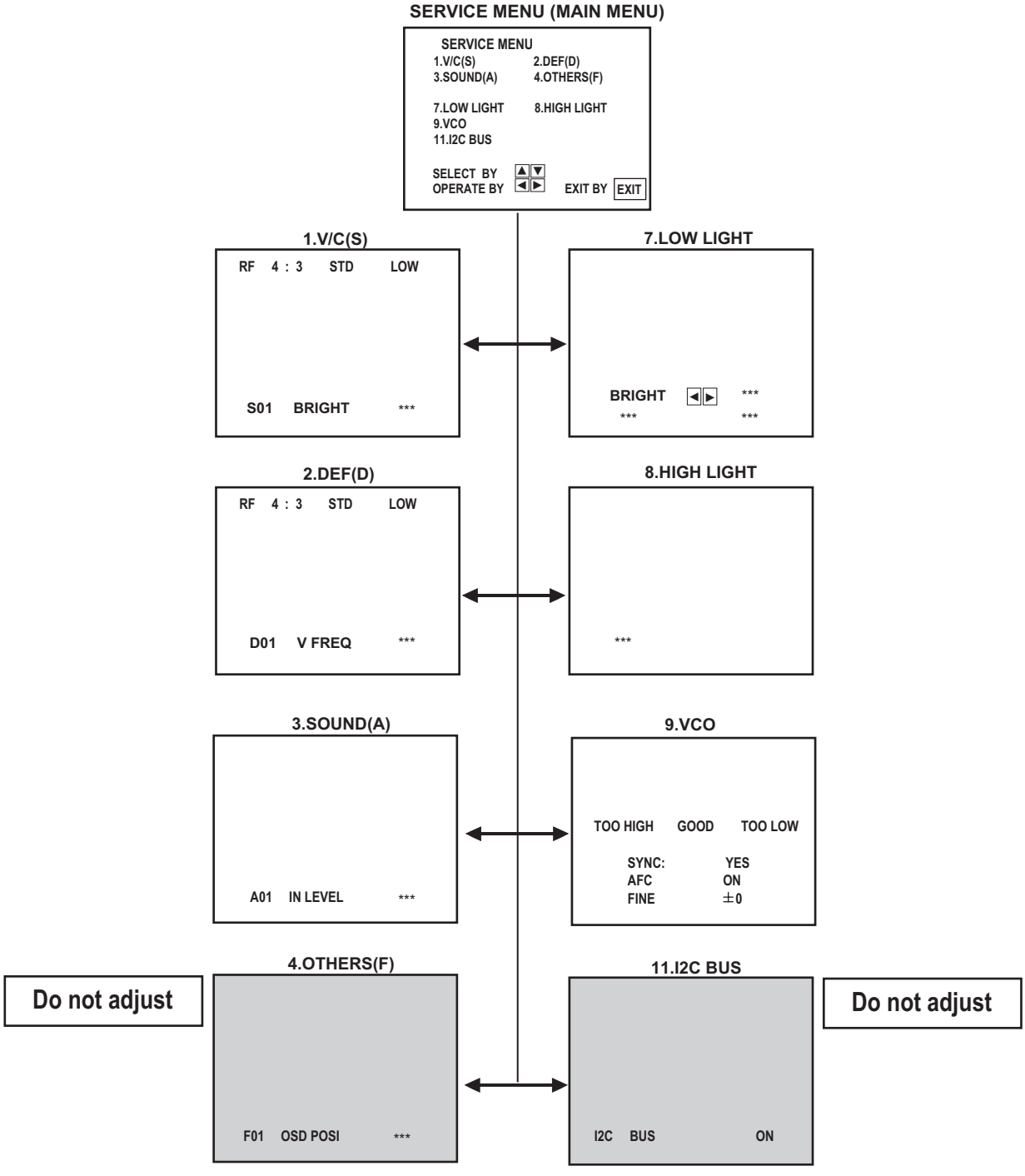
[4.OTHERS AND 11.I2C BUS ADJUSTMENT MODE]

These are no requirement for adjustment. Don't change these values.

3.4.3.4 Release of SERVICE MENU

When adjustment is completed, press the [EXIT] key twice. Then return to the normal screen.

3.4.4 SERVICE MENU FLOW CHART



3.5 INITIAL SETTING VALUE OF SERVICE MENU

(1) Adjustment of the service menu is made on the basis of the initial setting values. however, the new setting values which displays on the screen in its optimum condition may differ from the initial setting value.
(2) Do not change the initial setting values of the items not listed in "ADJUSTMENT PROCEDURE".
(3) "---" is impossible to adjust.

3.5.1 [1.V / C]

No.	Setting item	Variable range	Initial setting value					
			RF / EXT (SV,CV)		EXTERNAL (SV,CV)		COMPONENT	
			STANDARD	THEATER	STANDARD	THEATER	STANDARD	THEATER
S01	BRIGHT	0~127	64	---	---	---	---	---
S02	PICTURE	0~127	65	---	---	---	---	---
S03	COLOR	0~127	45	---	---	---	46	---
S04	TINT	0~127	60	---	---	---	63	---
S05	DETAIL	0~63	35	---	40	---	40	---
S06	BRIGHT +-	-128~+127	---	0	1	---	+1	---
S07	PICT+-	-128~+127	---	-15	0	---	0	---
S08	COLOR +-	-128~+127	---	-3	1	---	---	---
S09	TINT+-	-128~+127	---	-6	-3	---	---	---
S10	DETAIL+-	-128~+127	---	+3	---	---	---	---

[AV-27D104,AV-27D304]

No.	Setting item	Variable range	Initial setting value							
			RF/EXT (SV,CV)				COMPONENT			
			STANDARD		THEATER		STANDARD		THEATER	
			LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH
S11	R CUT OFF	0~255	30	---	---	---	---	---	---	---
S12	G CUT OFF	0~255	30	---	---	---	---	---	---	---
S13	B CUT OFF	0~255	30	---	---	---	---	---	---	---
S14	R DRIVE	0~127	64	---	---	---	---	---	---	---
S15	B DRIVE	0~127	64	---	---	---	---	---	---	---
S16	R CUT+-	-128~+127	---	0	0	0	-10	---	---	---
S17	G CUT+-	-128~+127	---	0	0	0	0	---	---	---
S18	B CUT+-	-128~+127	---	0	0	0	-10	---	---	---
S19	R DRV+-	-128~+127	---	+5	+13	+7	0	---	---	---
S20	B DRV+-	-128~+127	---	+6	-25	-9	0	---	---	---

[AV-27430,AV-27432]

No.	Setting item	Variable range	Initial setting value							
			RF/EXT (SV,CV)				COMPONENT			
			STANDARD		THEATER		STANDARD		THEATER	
			LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH
S11	R CUT OFF	0~255	30	---	---	---	---	---	---	---
S12	G CUT OFF	0~255	30	---	---	---	---	---	---	---
S13	B CUT OFF	0~255	30	---	---	---	---	---	---	---
S14	R DRIVE	0~127	64	---	---	---	---	---	---	---
S15	B DRIVE	0~127	64	---	---	---	---	---	---	---
S16	R CUT+-	-128~+127	---	0	0	0	0	---	---	---
S17	G CUT+-	-128~+127	---	0	0	0	0	---	---	---
S18	B CUT+-	-128~+127	---	0	0	0	0	---	---	---
S19	R DRV+-	-128~+127	---	0	+7	+7	0	---	---	---
S20	B DRV+-	-128~+127	---	0	-9	-9	0	---	---	---

No.	Setting item	Variable range	Initial setting value
S21	AGC ADJUST	0~127	80

3.5.2 [2.DEF]

No.	Setting item	Variable range	Initial setting value	
			RF	EXTERNAL (SV, CV)
D01	AFC GAIN	0~3	0	2
D02	H POSI	0~31	9 (/SA model) / 10 (/RA model)	9 (/SA model) / 10(/RA model)
D03	V SIZE	0~125	65	65
D04	V S CORR	0~15	0	0
D05	V LIN	0~15	8	8
D06	H SIZE	0~63	32	32
D07	WVMT TOP	0~3	0	0
D08	WVMT BTM	0~3	0	0
D09	EWCR TOP	0~31	16	16
D10	EWCR BTM	0~31	16	16
D11	EW PARA	0~63	26	26
D12	BLANK SW	0~1	0	0

3.5.3 [3.SOUND]

No.	Setting item	Variable range	Initial setting value
A01	IN LEVEL	0~63	36
A02	FH MON	0~1	0
A03	ST VCO	0~63	43
A04	PIL CAN	0~1	0
A05	FILTER	0~63	35
A06	LOW SEP	0~63	8
A07	HI SEP	0~63	26
A08	5FH MON	0~1	0
A09	SAP VCO	0~63	44

3.5.4 [4.OTHERS]

No.	Setting item	Variable range	Initial setting value
F01	OSD POSI	0~255	22
F02	OSD PREQ	0~255	83
F03	CCD POSI	0~63	42
F04	CCD FREQ	0~255	93
F05	CCD CONT	0~63	11
F06	PUR CONT	0~255	62
F07	VNR CHK	0~255	3
F08	VCSN TM	0~255	5
F09	CCD PCHK	0~1	1

3.5.5 [7.LOW LIGHT]

No.	Setting item	Variable range	Initial setting value
1	RED	0~255	30
2	GREEN	0~255	30
3	BLUE	0~255	30

3.5.6 [8.HIGH LIGHT]

No.	Setting item	Variable range	Initial setting value
1	RED	0~255	64
2	BLUE	0~255	64

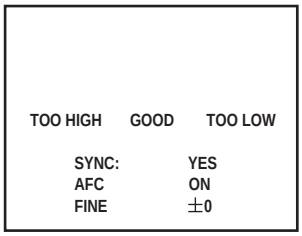
3.6 ADJUSTMENT PROCEDURE

3.6.1 CHECK ITEM

Item	Measuring instrument	Test point	Adjustment part	Description
B1 POWER SUPPLY	DC voltmeter Signal generator	B1 Connector 1-pin : TP-91 3-pin : TP-E [MAIN PWB]		(1) Receive the black-and-white signal. (color off) (2) Connect the DC voltmeter to TP-91 (B1 connector 1 pin) and TP-E (B1 connector 3 pin). (3) Confirm that the voltage is DC134V±2V.

3.6.2 VCO

Item	Measuring instrument	Test point	Adjustment part	Description
IF VCO	Remote control unit		[9.VCO] CW transf. (T111) [MAIN PWB]	• It must not adjust without inputting the RF signal. (1) Receive a broadcast. (2) Select 9.VCO mode from the SERVICE MENU. (3) Change the [AFC] to OFF and [FINE] to 0. (4) Confirm that the color change from "TOO HIGH" to "TOO LOW" by CW transf. on MAIN PWB, and check the [SYNC] is YES. (5) Adjust CW transf. until "GOOD" letters turns green. And then confirm that the [SYNC] is YES again. Adjustment can be done in this statement. (6) It return the [AFC] to ON. (7) Push the [EXIT] key to exit the [9.VCO] mode.



3.6.3 RF AGC

Item	Measuring instrument	Test point	Adjustment part	Description
RF AGC	Signal generator Remote control unit		[1.V/C(S)] S21 : AGC ADJ	(1) Receive a black-and-white signal (colour off). (2) Select <S21>(AGC ADJ) of the 1.V/C(S). (3) Press the [MUTING] key and turn the picture color off. (4) With the [VOLUME (-)] key to get the noise in the screen picture (zero side of setting value). (5) Press the [VOLUME (+)] key several times and step when noise disappears from the screen (at that time, not to increase the value too much). (6) Change to other channels and make sure that there is no irregularity. (7) Press the [MUTING] key and get color out.

No.	Setting item	Variable range	Initial setting value
S21	AGC ADJ	0～127	80

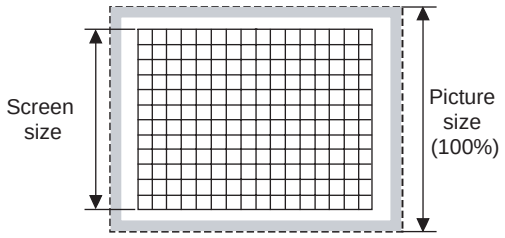
3.6.4 ADJUSTMENT OF FOCUS

Item	Measuring instrument	Test point	Adjustment part	Description
FOCUS	Signal generator		FOCUS VR [In HVT]	(1) Receive the crosshatch signal. (2) While looking at the screen, adjust the FOCUS VR to the vertical and horizontal lines will be clear and in fine detail. (3) Make sure that the picture is in focus even when the screen gets darkened.

3.6.5 DEFLECTION CIRCUIT

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>V. SIZE &
V. CENTER</td><td>Signal generator

Remote control unit</td><td></td><td>[2.DEF(D)]
D03 : V SIZE

V. CENTER SW(S401)
[MAIN PWB]</td><td rowspan="3">(1) Receive the crosshatch signal.
(2) Select the <D03>(V SIZE).
(3) Adjust the <D03> so that the vertical screen size becomes the value given below.
(4) Adjust the V. CENTER SW to agree the vertical center with display center.</td></tr>
<tr><td colspan="4">


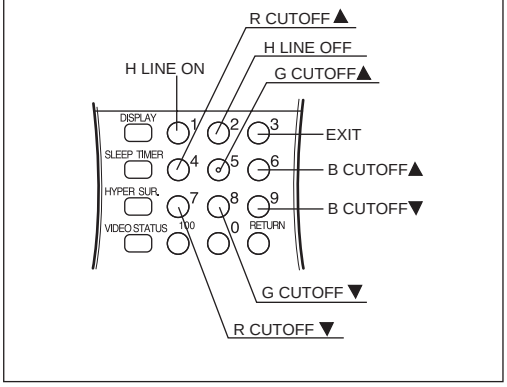
<table>
<tr><th>Model name</th><th>Vertical screen size</th></tr>
<tr><td>RA model</td><td>90.0%</td></tr>
<tr><td>SA model</td><td>89.0%</td></tr>
</table>
<table>
<tr><th>No.</th><th>Setting item</th><th>Variable range</th><th>Initial setting value</th></tr>
<tr><td>D03</td><td>V SIZE</td><td>0～125</td><td>40</td></tr>
</table>
</td></tr>
<tr><td>H. CENTER</td><td>Signal generator

Remote control unit</td><td></td><td>[2.DEF(D)]
D02 : H POSI</td><td>(1) Receive the crosshatch signal.
(2) Select <D02>(H POSI).
(3) Adjust the <D02> so that left width and right width of the crosshatch screen becomes equal.</td></tr>
<tr><td colspan="4">
<table>
<tr><th>Model name</th><th>No.</th><th>Setting item</th><th>Variable range</th><th>Initial setting value</th></tr>
<tr><td>RA model</td><td>D02</td><td>H POSI</td><td>0～31</td><td>10</td></tr>
<tr><td>SA model</td><td>D02</td><td>H POSI</td><td>0～31</td><td>9</td></tr>
</table>
</td></tr>
</table>

3.6.6 VIDEO CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (LOW LIGHT)	Signal generator Remote control unit		[7.LOW LIGHT] [1.V/C(S)] S11 : R CUTOFF S12 : G CUTOFF S13 : B CUTOFF S01 : BRIGHT SCREEN VR [in HVT]	(1) Receive the black-and-white signal (color off). (2) Select the 7.LOW LIGHT in the SERVICE MENU. (3) Set the initial setting value of <S11>(R CUTOFF), <S12>(G CUTOFF), <S13>(B CUTOFF) and <S01>(BRIGHT). (4) Display a single horizontal line by pressing the [1] key. (5) Turn the SCREEN VR all the way to the left. (6) Turn the SCREEN VR gradually to the right from the left until either one of the red, blue or green color appears faintly. (7) Adjust the two colors which did not appear until the single horizontal line that is displayed becomes white using the [4] to [9] keys. (8) Turn the SCREEN VR until the single horizontal line is displayed faintly. (9) Press the [2] key to cancel the single horizontal line mode. (10) Adjust the <S01> level to become the black component shines white slightly by [VOLUME] key. (11) Confirm that whether the color ingredient of R,G,or B is visible to the black component, which shines white slightly. (12) When the color ingredient can be seen, two colors other than a visible color is adjusted, and it is made to look white. (13) Return the value of <S01> to initial setting value. If the [3] key is pressed, it can escape from WHITE BALANCE adjustment mode.

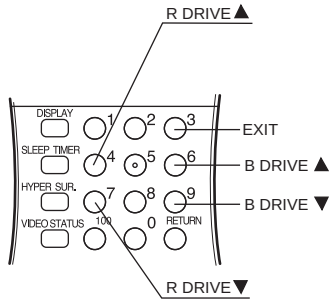
KEY ASSIGNMENT OF REMOTE CONTROL UNIT



No.	Setting item	Variable range	Initial setting value
S11	R CUT OFF	0～255	30
S12	G CUT OFF	0～255	30
S13	B CUT OFF	0～255	30
S01	BRIGHT	0～127	64

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>WHITE BALANCE (HIGH LIGHT)</td><td>Signal generator

Remote control unit</td><td></td><td>[8.HIGH LIGHT]
S14 : R DRIVE
S15 : B DRIVE</td><td rowspan="2">(1) Receive the black-and-white signal (color off).
(2) Select the 8.HIGH LIGHT in the SERVICE MENU.
(3) Set the initial setting value of <S14>(R DRIVE) and <S15>(B DRIVE) with the [4], [6], [7] and [9] keys of the remote control unit.
(4) Adjust the screen until it becomes white using the [4], [6], [7] and [9] keys of the remote control unit.

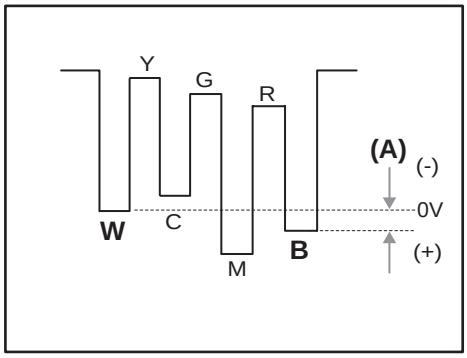
The [3] EXIT key is the cancel key for the 8.HIGH LIGHT mode.</td></tr>
<tr><td colspan="4">KEY ASSIGNMENT OF REMOTE CONTROL UNIT


<table>
<tr><th>No.</th><th>Setting item</th><th>Variable range</th><th>Initial setting value</th></tr>
<tr><td>S14</td><td>R DRIVE</td><td>0～127</td><td>64</td></tr>
<tr><td>S15</td><td>G DRIVE</td><td>0～127</td><td>64</td></tr>
</table></td></tr>
<tr><td>SUB BRIGHT</td><td>Remote control unit</td><td></td><td>[1.V/C(S)]
S01 : BRIGHT</td><td rowspan="2">(1) Receive the broadcast.
(2) Select <S01>(BRIGHT) of the 1.V/C(S).
(3) Set the initial setting value of the <S01> with the [VOLUME (-/+)] key.
(4) If the brightness is not the best with the initial setting value, make fine adjustment of the <S01> until you get the optimum brightness.</td></tr>
<tr><td colspan="4"><table>
<tr><th>No.</th><th>Setting item</th><th>Variable range</th><th>Initial setting value</th></tr>
<tr><td>S01</td><td>BRIGHT</td><td>0～127</td><td>64</td></tr>
</table></td></tr>
<tr><td>SUB CONTRAST</td><td>Remote control unit</td><td></td><td>[1.V/C(S)]
S02 : PICTURE</td><td rowspan="2">(1) Receive the broadcast.
(2) Select <S02>(PICTURE) of the 1.V/C(S).
(3) Set the initial setting value of the <S02> with the [VOLUME (-/+)] key.
(4) If the contrast is not the best with the initial setting value, make fine adjustment of the <S02> until you get the optimum contrast.</td></tr>
<tr><td colspan="4"><table>
<tr><th>No.</th><th>Setting item</th><th>Variable range</th><th>Initial setting value</th></tr>
<tr><td>S02</td><td>PICTURE</td><td>0～127</td><td>65</td></tr>
</table></td></tr>
</table>

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>SUB COLOR</td><td>Signal generator

Oscilloscope

Remote control unit</td><td>TP-B
TP-E
[CRT SOCKET PWB]</td><td>[1.V/C(S)]
S03 : COLOR</td><td rowspan="2">[Method of adjustment without measuring instrument]
(1) Receive the broadcast.
(2) Select <S03>(COLOR) of the 1.V/C(S).
(3) Set the initial setting value of the <S03> with the [VOLUME (-/+)] key.
(4) If the color is not the best with the Initial setting value, make fine adjustment of the <S03> until you get the optimum color.

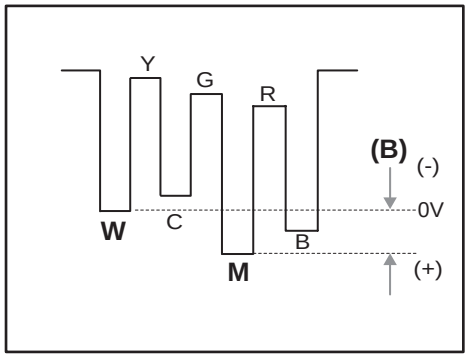
[Method of adjustment using measuring instrument]
(1) Receive the full field color bar signal (75% white).
(2) Select <S03>(COLOR) of the 1.V/C(S).
(3) Set the initial setting value of the <S03> with the [VOLUME (-/+)] key.
(4) Connect the oscilloscope between TP-B and TP-E.
(5) Adjust <S03> and bring the value of (A) in the illustration to the voltage given in the below table.</td></tr>
<tr><td colspan="4">


<table>
<tr><th>No.</th><th>Setting item</th><th>Variable range</th><th>Initial setting value</th></tr>
<tr><td>S03</td><td>COLOR</td><td>0～127</td><td>64</td></tr>
</table>
<table>
<tr><th>W-B / Models</th><th>Adjustment Voltage</th></tr>
<tr><td>RA model</td><td>+17V</td></tr>
<tr><td>SA model</td><td>+15V</td></tr>
</table>
</td></tr>
</table>

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>SUB TINT</td><td>Signal generator

Oscilloscope

Remote control unit</td><td>TP-B
TP-E
[CRT SOCKET PWB]</td><td>[1.V/C(S)]
S04 : TINT</td><td rowspan="2">[Method of adjustment without measuring instrument]
(1) Receive the broadcast.
(2) Select <S04>(TINT) of the 1.V/C.
(3) Set the initial setting value of the <S04> with the [VOLUME (-/+)] key.
(4) If the tint is not the best with the initial setting value, make fine adjustment of the <S04> until you get the optimum tint.

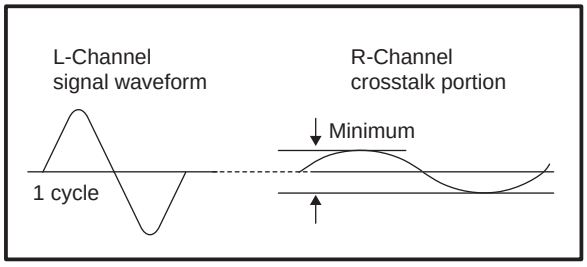
[Method of adjustment using measuring instrument]
(1) Receive the full field color bar signal (75% white).
(2) Select <S04>(TINT) of the 1.V/C.
(3) Set the initial setting value of the <S04> with the [VOLUME (-/+)] key.
(4) Connect the oscilloscope between TP-B and TP-E.
(5) Adjust <S04> and bring the value of (B) in the illustration to the voltage given in the below table.</td></tr>
<tr><td colspan="4">


<table>
<tr><th>No.</th><th>Setting item</th><th>Variable range</th><th>Initial setting value</th></tr>
<tr><td>S04</td><td>TINT</td><td>0～127</td><td>64</td></tr>
</table>
<table>
<tr><th>W-B / Models</th><th>Adjustment Voltage</th></tr>
<tr><td>RA model</td><td>+20V</td></tr>
<tr><td>SA model</td><td>+25V</td></tr>
</table>
</td></tr>
</table>

3.6.7 MTS CIRCUIT

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>MTS INPUT LEVEL</td><td>Remote control unit</td><td></td><td>[3.SOUND(A)]
A01 : IN LEVEL</td><td rowspan="2">(1) Select the <A01>(IN LEVEL) of the 3.SOUND.
(2) Verify that the <A01> is set at its initial setting value.</td></tr>
<tr><td colspan="4">
<table>
<tr><th>No.</th><th>Setting item</th><th>Variable range</th><th>Initial setting value</th></tr>
<tr><td>A01</td><td>IN LEVEL</td><td>0～63</td><td>036</td></tr>
</table>
</td></tr>
<tr><td>MTS SEPARATION</td><td>TV audio multiplex signal generator

Oscilloscope

Remote control unit</td><td>R OUT
L OUT
[AUDIO OUT]</td><td>[3.SOUND(A)]
A06 : LOW SEP
A07 : HI SEP</td><td rowspan="2">(1) Input the stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal.
(2) Connect an oscilloscope to R OUT pin of the AUDIO OUT, and display one cycle portion of the 300Hz signal.
(3) Select the <A06>(LOW SEP) of the SOUND MODE.
(4) Set the initial setting value of the <A06> with the [VOLUME (-/+)] key.
(5) Adjust the <A06> so that the stroke element of the 300Hz signal will become minimum.
(6) Change the connection of the oscilloscope to L OUT pin of the AUDIO OUT, and enlarge the voltage axis.
(7) Change the signal to 3kHz, and similarly adjust the <A07>(HI SEP).</td></tr>
<tr><td colspan="4">


<table>
<tr><th>No.</th><th>Setting item</th><th>Variable range</th><th>Initial setting value</th></tr>
<tr><td>A06</td><td>LOW SEP</td><td>0～63</td><td>008</td></tr>
<tr><td>A07</td><td>HI SEP</td><td>0～63</td><td>026</td></tr>
</table>
</td></tr>
</table>

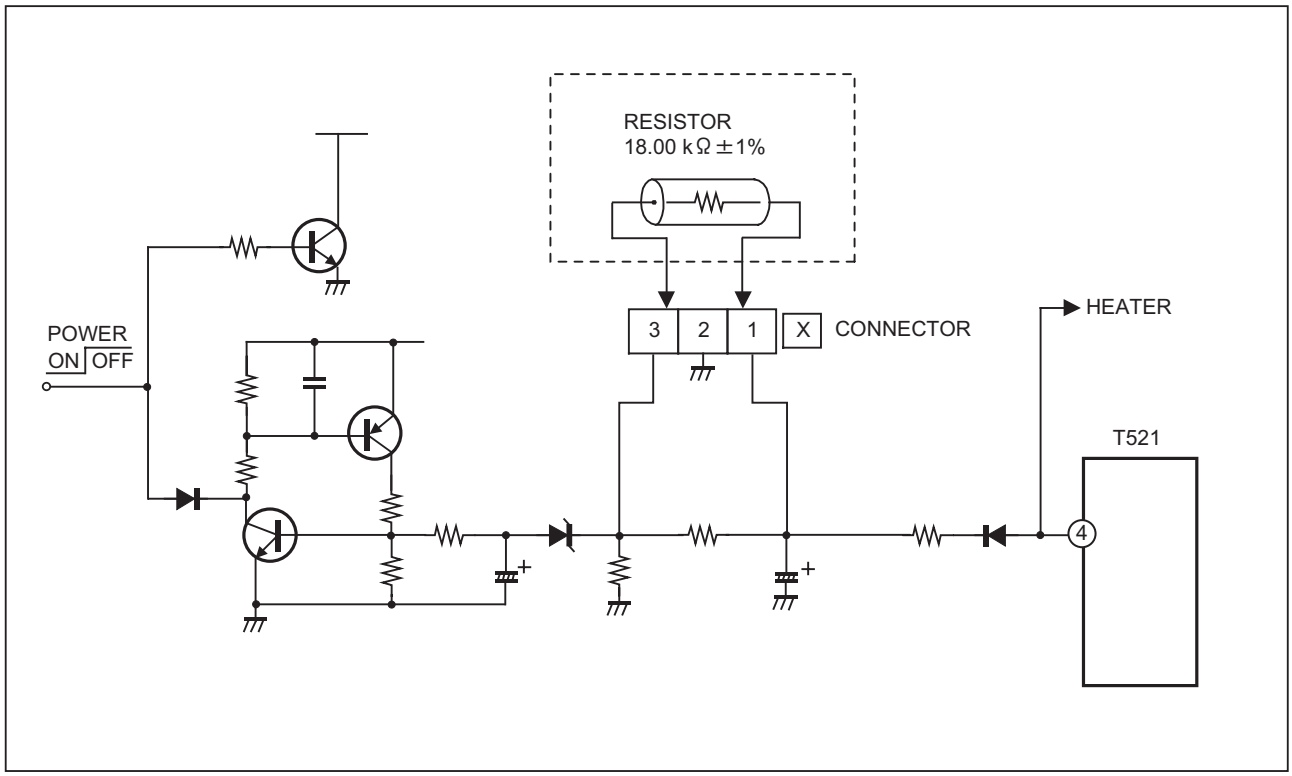
3.6.8 HOW TO CHECK THE HIGH VOLTAGE HOLD DOWN CIRCUIT

3.6.8.1 HIGH VOLTAGE HOLD DOWN CIRCUIT

After repairing the high voltage hold down circuit.
This circuit shall be checked to operate correctly.

3.6.8.2 CHECKING OF THE HIGH VOLTAGE HOLD DOWN CIRCUIT

(1) Turn the power switch to on.
(2) Refer to the following figure, set the resistor between **X** connector **1** and **3** .
(3) Make sure that the screen picture disappears.
(4) Temporarily unplug the power plug.
(5) Remove the resistor replaced **X** connector **1** and **3** .
(6) Again plug the power plug, make sure that the normal picture is displayed on the screen.



AV-27D104/RA, AV-27D104/SA, AV-27D304/RA, AV-27D304/SA
AV-27430/RA, AV-27430/SA, AV-27432/RA, AV-27432/SA

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal : Colour bar signal

(2)Setting positions of each knob/button and variable resistor : Original setting position when shipped

(3)Internal resistance of tester :DC 20kΩ/V

(4)Oscilloscope sweeping time :H ⇒ 20μs/div
:V ⇒ 5ms/div
:Others ⇒ Sweeping time is specified

(5)Voltage values :All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board :R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

No unit	:[Ω]
K	:[k Ω]
M	:[M Ω]

● Rated allowable power

No indication	:1/ 16 [W]
Others	:As specified

● Type

No indication	:Carbon resistor
OMR	:Oxide metal film resistor
MFR	:Metal film resistor
MPR	:Metal plate resistor
UNFR	:Uninflammable resistor
FR	:Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

1 or higher	:[pF]
less than 1	:[μF]

● Withstand voltage

No indication	:DC50[V]
Others	:DC withstand voltage [V]
AC indicated	:AC withstand voltage [V]

∗ Electrolytic Capacitors
47/50[Example]:Capacitance value [μF]/withstand voltage[V]

● Type

No indication	:Ceramic capacitor
MM	:Metalized mylar capacitor
PP	:Polypropylene capacitor
MPP	:Metalized polypropylene capacitor
MF	:Metalized film capacitor
TF	:Thin film capacitor
BP	:Bipolar electrolytic capacitor
TAN	:Tantalum capacitor

(3)Coils

No unit	:[μH]
Others	:As specified

(4)Power Supply

:B1 :B2 (12V)
:9V :5V

∗ Respective voltage values are indicated

(5)Test point

:Test point :Only test point display

(6)Connecting method

:Connector :Wrapping or soldering
:Receptacle

(7)Ground symbol

:LIVE side ground
:ISOLATED(NEUTRAL) side ground
:EARTH ground
:DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⏚) side GND.Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected , a fuse or any parts will be broken.

◇ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

◇ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

CONTENTS

SEMICONDUCTOR SHAPES 2-2
BLOCK DIAGRAM 2-3
CIRCUIT DIAGRAMS 2-5
MAIN PWB CIRCUIT DIAGRAM 2-5
PATTERN DIAGRAMS 2-9
MAIN PWB PATTERN 2-9
CHANNEL CHART (US) 2-11
CHANNEL CHART (CA) 2-12

SEMICONDUCTOR SHAPES

TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
E C B	E C B	B C E (G)(D)(S)	E C B	E C B	CHIP TR C B E

IC

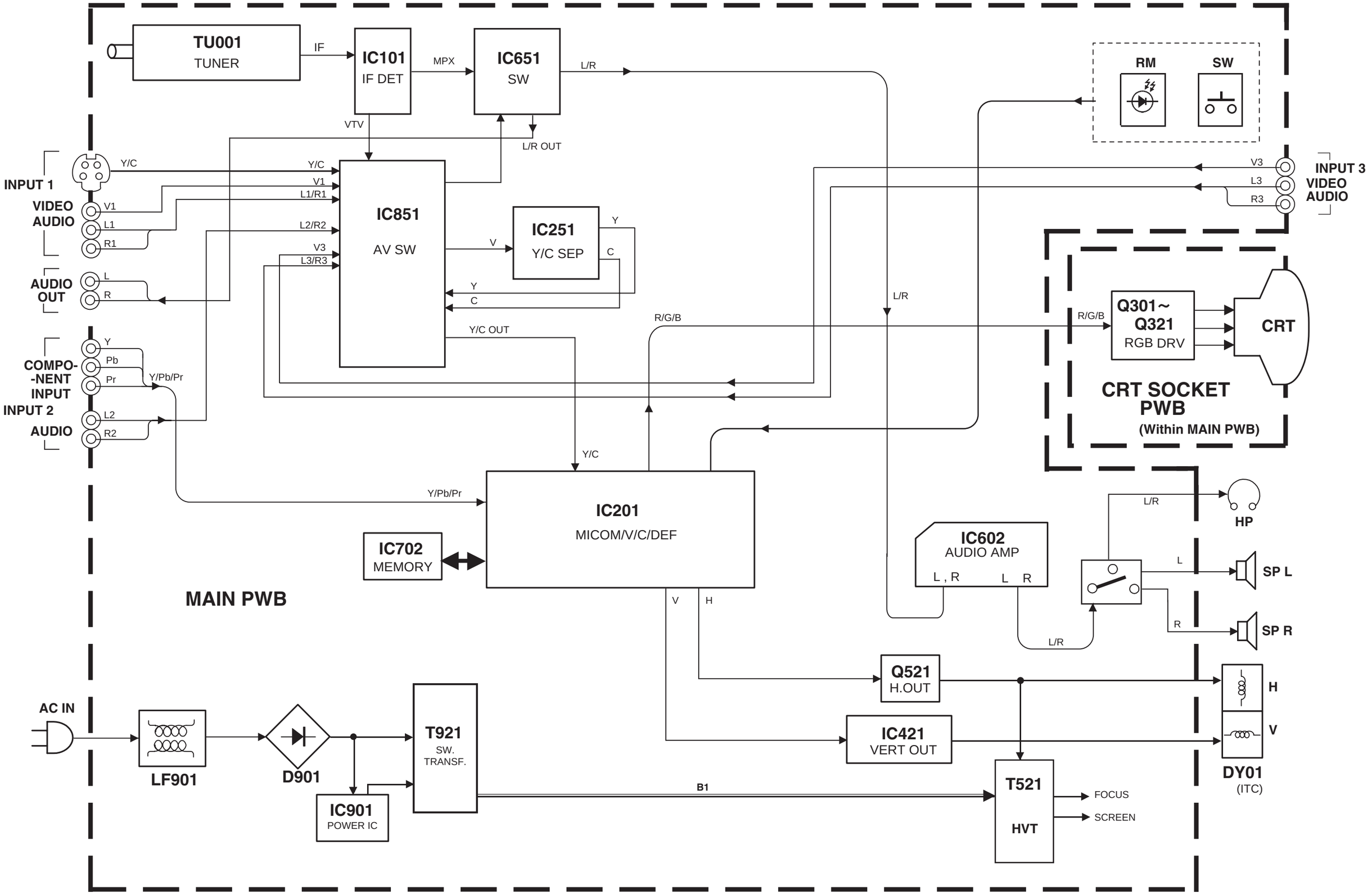
BOTTOM VIEW	FRONT VIEW			TOP VIEW
OUT E IN	IN E OUT	1 N	1 N	1 N

CHIP IC

TOP VIEW		
N N N 1 N	1 N	

AV-27D104 AV-27D304
AV-27430 AV-27432

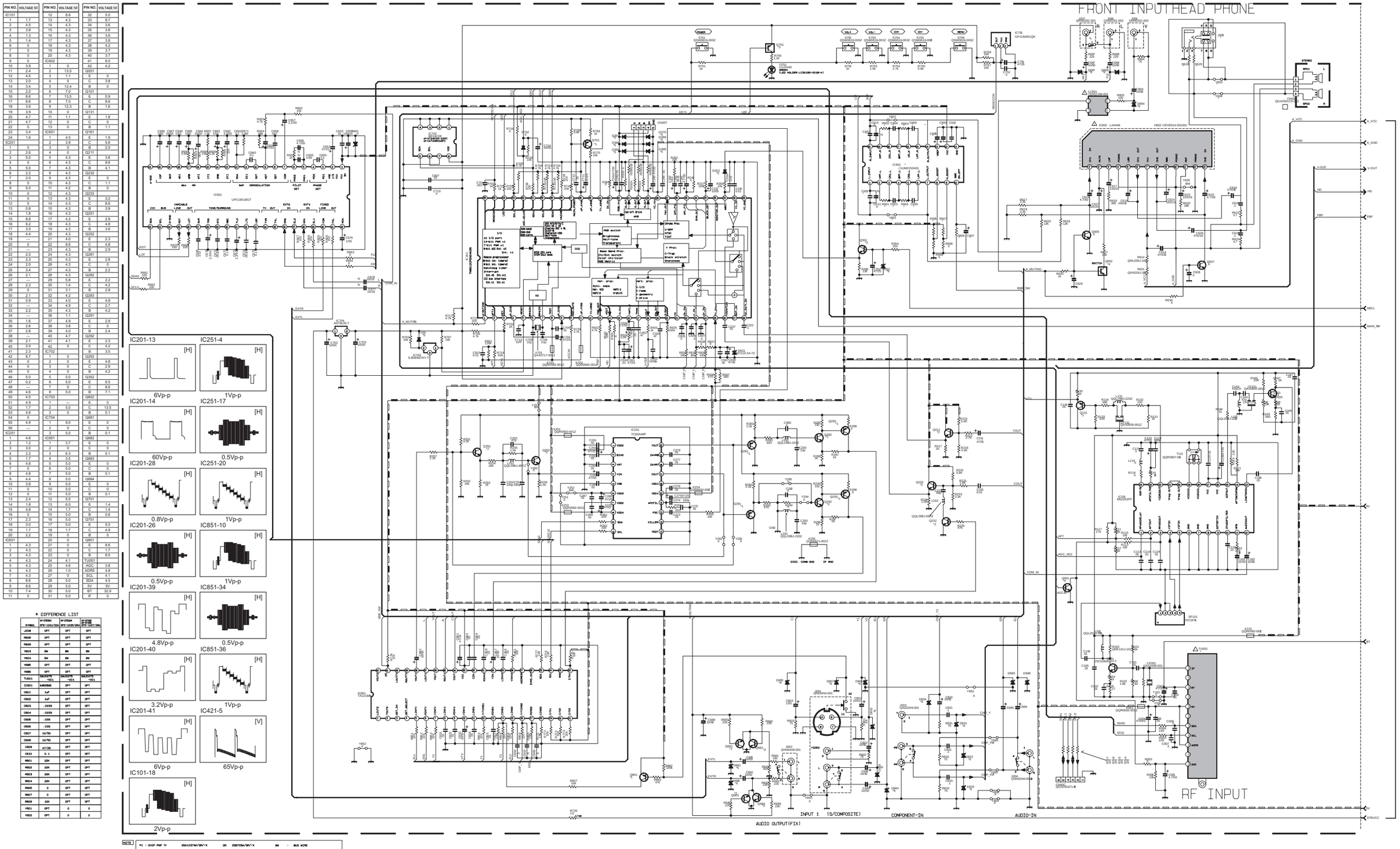
BLOCK DIAGRAM



AV-27D104 AV-27D304
AV-27430 AV-27432

CIRCUIT DIAGRAMS

MAIN PWB CIRCUIT DIAGRAM (1/2) SHEET 1



PIN NO.	VOLTAGE (V)
IC101	
1	1.7
2	4.5
3	3.8
4	1.3
5	1.4
6	0
7	0
8	0
9	0
10	3.9
11	2.4
12	4.5
13	2.0
14	3.4
15	2.0
16	8.6
17	8.6
18	3.9
19	3.9
20	4.7
21	4.7
22	0
23	3.4
24	1.6
IC201	
1	0
2	2.6
3	5.0
4	0
5	5.0
6	2.2
7	2.0
8	0
9	5.0
10	0
11	0
12	0
13	0.8
14	1.8
15	8.8
16	6.2
17	3.5
18	4.4
19	---
20	0
21	---
22	2.0
23	2.3
24	2.0
25	2.3
26	2.0
27	3.4
28	2.1
29	---
30	2.3
31	0
32	2.1
33	5.9
34	---
35	2.2
36	---
37	1.6
38	2.6
39	2.8
40	---
41	2.1
42	2.0
IC702	
1	0
2	0
3	0
4	0
5	5.0
6	0
7	0
8	5.0
IC703	
1	0
2	0
3	5.0
IC704	
1	9.0
2	0
3	5.0
IC851	
1	3.7
2	0
3	6.3
4	3.5
5	5.0
6	5.0
7	5.0
8	5.0
9	5.0
10	5.0
11	5.0
12	5.0
13	6.0
14	1.7
15	5.0
16	5.0
17	5.0
18	1.7
19	0
20	0
21	0
22	0
23	0
24	4.1
25	4.6
26	1.0
27	0
28	5.0
29	5.0
30	5.0
31	5.0

PIN NO.	VOLTAGE (V)
12	8.6
13	4.3
14	4.3
15	4.3
16	4.3
17	4.3
18	4.3
19	4.3
20	4.3
21	4.0
22	4.6
23	4.3
24	4.3
25	4.3
26	4.3
27	4.3
28	4.3
29	5.8
30	4.3
31	3.1
32	4.2
33	4.3
34	4.9
35	4.3
36	1.1
37	4.9
38	4.3
39	4.0
40	4.7
41	4.1
42	0
IC702	
1	---
2	5.0
3	5.0
IC851	
1	4.3
2	4.3
3	4.3
4	4.3
5	4.3
6	4.3
7	4.3
8	8.6
9	8.6
10	7.4
11	0

PIN NO.	VOLTAGE (V)
32	5.0
33	8.7
34	3.6
35	3.8
36	3.6
37	3.8
38	4.2
39	3.7
40	3.7
41	8.0
42	4.2
Q001	
E	0
C	3.8
B	0
Q101	
E	0.9
C	8.6
B	1.6
Q131	
E	1.8
C	0
B	1.1
Q161	
E	1.9
C	5.6
B	2.5
Q211	
E	3.6
C	8.6
B	4.1
Q232	
E	0
C	1.1
B	0
Q233	
E	3.2
C	8.6
B	3.9
Q251	
E	2.9
C	4.8
B	3.6
Q252	
E	2.3
C	4.8
B	2.9
Q281	
E	2.8
C	0
B	2.2
Q282	
E	2.2
C	4.2
B	2.8
Q283	
E	4.8
C	2.7
B	4.2
Q291	
E	2.9
C	0
B	2.4
Q292	
E	2.3
C	4.2
B	3.0
Q293	
E	4.8
C	2.9
B	4.2
Q352	
E	6.5
C	8.6
B	7.1
Q602	
E	0
C	13.5
B	0.1
Q681	
E	0
C	0
B	0.1
Q682	
E	0
C	0
B	0.1
Q683	
E	0
C	0
B	0.1
Q684	
E	0
C	0
B	0.1
Q701	
E	1.4
C	1.4
B	0.6
Q751	
E	5.0
C	4.9
B	0
Q851	
E	8.6
C	1.7
B	8.5
TU001	
AGC	3.8
ADRS	4.8
SCL	4.1
SDA	4.5
5V	5V
RT	32.9
IF	0

* DIFFERENCE LIST

SYMBOL	AV-27D104 SFE-1021/22A	AV-27D304 SFE-1025/28A	AV-27430 AV-27432 SFE-1027/29A
JC08	OPT	OPT	OPT
R628	OPT	OPT	OPT
R629	OPT	OPT	OPT
Y003	8M	8M	8M
Y004	8M	8M	8M
Y685	OPT	OPT	OPT
Y686	OPT	OPT	OPT
TU001	SEK0276 -001	SEK0276 -001	SEK0276 -001
IC501	NJM2580	OPT	OPT
C601	5uF	OPT	OPT
C602	5uF	OPT	OPT
C603	.0033	OPT	OPT
C604	.0033	OPT	OPT
C605	.033	OPT	OPT
C606	.033	OPT	OPT
C607	10/50	OPT	OPT
C608	10/50	OPT	OPT
C609	47/25	OPT	OPT
C610	0.1	OPT	OPT
R601	22K	OPT	OPT
R602	22K	OPT	OPT
R603	22K	OPT	OPT
R604	22K	OPT	OPT
R605	0	OPT	OPT
R607	0	OPT	OPT
R609	10K	OPT	OPT
Y601	OPT	0	0
Y602	OPT	0	0

NOTE

#1 : CHIP PNP Tr	2SA1037AK/GR/-X	QR : 2SB709A/GR/-X	BW : BUS WIRE
#2 : CHIP NPN Tr	2SC2412K/GR/-X	QR : 2SD601A/GR/-X	X : NON-MIGHTOREN
#3 : CHIP PNP D-Tr	DTA124EKA-X		⚠ : SAFETY PARTS
#4 : CHIP NPN D-Tr	DTC124EKA-X		0 : 0 Ω RESISTOR
#5 : SI DIODE	1SS133-T2		* : DIFFERENCE PARTS
#6 : ZENER DIODE	MTZJ5.1C-T2		
#7 : ZENER DIODE	MTZJ5.6A-T2		
#8 : SI DIODE	RGP10J-5GGB-T3		
#9 : SI DIODE	1SR2ZE-400A-T2		
#10:PNP TE	2SA933AS/GR/-3		

MAIN PWB (1/2)
SFE-1026A-M2 [AV-27D104/RA] / SFE-1025A-M2 [AV-27D104/SA] / SFE-1022A-M2 [AV-27D304/RA] / SFE-1021A-M2 [AV-20D304/SA]
SFE-1028A-M2 [AV-27430/RA] / SFE-1027A-M2 [AV-27430/SA] / SFE-1030A-M2 [AV-27432/RA] / SFE-1029A-M2 [AV-27432/SA]

MAIN PWB CIRCUIT DIAGRAM (2/2) SHEET 2

✳ DEFFERENCE LIST

SYMBOL	AV-27430SA SFE-1027A / AV-27430RA SFE-1028A	AV-27D104RA SFE-1026A	AV-27D104SA SFE-1025A	AV-27D104SA SFE-1021A	AV-27D104RA SFE-1022A
Y521	OPT	OPT	IM-BW	OPT	OPT
Y522	OPT	OPT	IM-BW	OPT	OPT
R522	QRE121J -681Y	QRE121J -681Y	OPT	OPT	OPT
C524	QCB32HK -561Z	QCB32HK -561Z	OPT	OPT	OPT
R402	4.7K	4.7K	10K	10K	10K
C404	2200P	2200P	1000P	1000P	1000P
C408	10P	10P	OPT	OPT	OPT
T521	QGH0129-001	QGH0129-001	QGH0128-001	QGH0128-001	QGH0128-001
L521	QQR1027-004	QQR1027-004	OPT	OPT	OPT
R511	1.8K 2W	1.8K 2W	2.7K 3W	2.7K 3W	2.7K 3W
R512	1.8K 2W	1.8K 2W	3.3K 3W	3.3K 3W	3.3K 3W
R524	220K 1/2W	220K 1/2W	330K 1/2W	330K 1/2W	330K 1/2W
R527	1.0 1W	1.0 1W	0.82 1W	0.82 1W	0.82 1W
R533	NRZ0032 -2941X	NRZ0032 -2941X	NRZ0032 -3241X	NRZ0032 -3241X	NRZ0032 -3241X
C522	QFZ0198-133	QFZ0198-123	QFZ0198-562	QFZ0198-562	QFZ0198-562
C523	QFZ0197-564	QFZ0197-564	QFZ0197-534 or QFZ0199-534	QFZ0197-534 or QFZ0199-534	QFZ0197-534 or QFZ0199-534
C521	OPT	OPT	QCZ0325-821	QCZ0325-821	QCZ0325-821
T921	QQS0158-001	QQS0158-001	CEXJM00006	CEXJM00006	CEXJM00006
C908	QCZ0340-332	QCZ0340-332	QCZ0340-222	QCZ0340-222	QCZ0340-222
C909	NDC31HJ -182X	NDC31HJ -182X	NDC31HK -122X	NDC31HK -122X	NDC31HK -122X
V01	A68QDN891 X01	A68ADT25X01	A51KRE89X (DY)	A51KRE89X (DY)	A51KRE89X (DY)
L01	CE41329 -00DJB	CE41329 -00DJB	QQW0002 -001	QQW0002 -001	QQW0002 -001
CNDEG	QQA7901C1 -02	QQA7901C1 -02	QQZ5004C1 -02	QQZ5004C1 -02	QQZ5004C1 -02
DY01	ITC	ITC	QQD0011-001	QQD0011-001	QQD0011-001
R406	OPT	OPT	15K	15K	15K

SYMBOL	AV-27D104SA SFE-1025A	AV-27D104RA SFE-1026A
R528	10K 1/2 W	10K 1/2 W
C530	QFLC2AK -104Z	QFLC2AK -104Z
V01	A68QDN891X 001 OR A68QDN891X 002	A68ADT25 X01

IC421-3,6 [V] 38Vp-p

Q301-C [H] 150Vp-p

Q311-C [H] 160Vp-p

Q321-C [H] 120Vp-p

Q501-B [H] 1Vp-p

Q501-C [H] 200Vp-p

Q521-B [H] 2Vp-p

Q521-C [H] 1300Vp-p

T521-2 [H] 32Vp-p

T521-3 [H] 120Vp-p

T521-7 [H] 310Vp-p

T521-8 [H] 70Vp-p

PIN NO.	VOLTAGE (V)
IC421	
1	4.2
2	27.2
3	2.0
4	0
5	16.1
6	28.3
7	4.2
IC901	
1	139.0
2	0
3	0
4	32.1
5	1.5
IC921	
1	11.4

PIN NO.	VOLTAGE (V)
2	9.0
3	0
IC922	
1	7.3
2	0
3	4.8
Q301	
E	1.7
C	159.9
B	2.2
Q311	
E	1.7
C	165.0
B	2.1
Q321	
E	1.5

PIN NO.	VOLTAGE (V)
C	167.3
B	2.0
Q331	
E	8.0
C	-0.4
B	8.6
Q501	
E	0
C	66.5
B	0.2
Q521	
E	0
C	135
B	0
Q921	
E	1.5

PIN NO.	VOLTAGE (V)
C	0.6
B	1.2
Q922	
E	0
C	9.0
B	0
Q923	
E	9.0
C	0
B	9.0
Q924	
E	133.7
C	0
B	133.3

CRT SOCKET PWB (Within MAIN PWB)

SHEET 1

ISOLATED LIVE

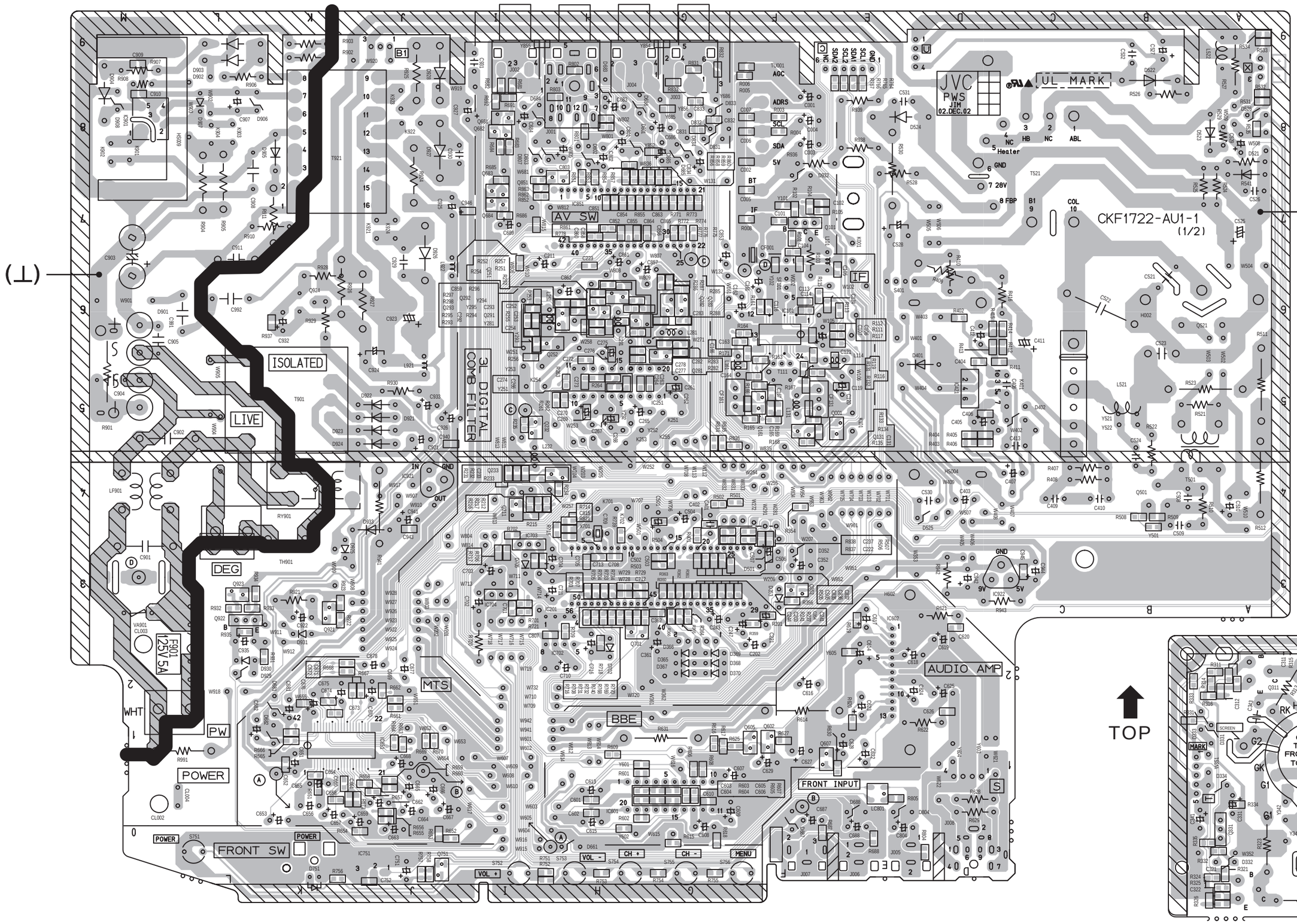
NOTE

#1	CHIP PNP Tr	2SA1037AK/GR/-X		BW	BUS WIRE
#2	CHIP NPN Tr	2SC2412K/GR/-X		X	NON-MOUNT(OPEN)
#3	CHIP PNP D-Tr	DTA124EKA-X		⚠	SAFETY PARTS
#4	CHIP NPN D-Tr	DTC124EKA-X		0	0 Ω RESISTOR
#5	SI DIODE	1SS133-T2		✳	DIFFERENCE PARTS
#6	ZENER DIODE	MTZJ9.1C-T2			
#7	ZENER DIODE	MTZJ5.6A-T2			
#8	SI DIODE	RGP10J-5025-T3			
#9	SI DIODE	1SR35-400A-T2	or 1N4003-T2		
#10	PNP TR	2SA933AS/GR/-T			

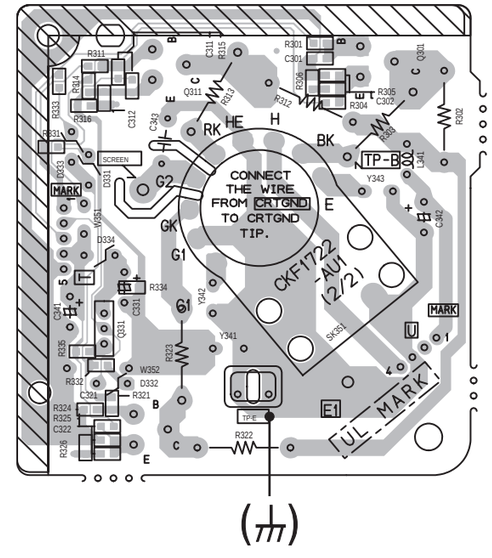
MAIN PWB (2/2)
SFE-1026A-M2 [AV-27D104/RA] / SFE-1025A-M2 [AV-27D104/SA] / SFE-1022A-M2 [AV-27D304/RA] / SFE-1021A-M2 [AV-20D304/SA]
SFE-1028A-M2 [AV-27430/RA] / SFE-1027A-M2 [AV-27430/SA] / SFE-1030A-M2 [AV-27432/RA] / SFE-1029A-M2 [AV-27432/SA]

AV-27D104 AV-27D304
AV-27430 AV-27432

PATTERN DIAGRAMS *MAIN PWB PATTERN*



CRT SOCKET PWB RATTERN (Within MAIN PWB)



CHANNEL CHART (US)

MODE TV	MODE CATV	BAND	CHANNEL REAL	CHANNEL DISP.	TUNER BAND
○	○	VL	02 03 04 05 06		I
		VH	07 08 09 10 11 12 13		II
×	○	MID	A B	14 15	I
			C D E F G H I	16 17 18 19 20 21 22	II
		SUPER	J K L M N O P Q R S T U V W	23 24 25 26 27 28 29 30 31 32 33 34 35 36	
		HYPER	W+1 W+2 W+3 W+4 W+5 W+6 W+7 W+8 W+9 W+10 W+11	37 38 39 40 41 42 43 44 45 46 47	
			W+12 W+13 W+14 W+15 W+16 W+17 W+18 W+19 W+20 W+21 W+22 W+23 W+24 W+25 W+26 W+27 W+28	48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	IV
		ULTRA	W+29 W+30 W+31 W+32 W+33 W+34	65 66 67 68 69 70	

MODE TV	MODE CATV	BAND	CHANNEL REAL	CHANNEL DISP.	TUNER BAND
×	○	ULTRA	W+35 W+36 W+37 W+38 W+39 W+40 W+41 W+42 W+43 W+44 W+45 W+46 W+47 W+48 W+49 W+50 W+51 W+52 W+53 W+54 W+55 W+56 W+57 W+58 W+59 W+60 W+61 W+62 W+63 W+64 W+65 W+66 W+67 W+68 W+69 W+70 W+71 W+72 W+73 W+74 W+75 W+76 W+77 W+78 W+79 W+80 W+81 W+82 W+83 W+84	71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125	IV
		SUB MID	A-8 A-4 A-3 A-2 A-1	01 96 97 98 99	I
○	×	UHF	14 〜 69		IV

TOTAL 180CH
{ VHF 124CH
{ UHF 56CH

NOTE:
TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES.
SPECIAL ADAPTERS MAY BE REQUIRED.

AV-27D104 AV-27D304
AV-27430 AV-27432

CHANNEL CHART (CA)

MODE TV	MODE CATV	BAND	CHANNEL REAL	CHANNEL DISP.	TUNER BAND
○	○	VL	02 03 04 05 06		I
		VH	07 08 09 10 11 12 13		II
×	○	MID	A B C D E F G H I	14 15 16 17 18 19 20 21 22	
		SUPER	J K L M N O P Q R S T U V W	23 24 25 26 27 28 29 30 31 32 33 34 35 36	
		HYPER	W+1 W+2 W+3 W+4 W+5 W+6 W+7 W+8 W+9 W+10 W+11 W+12 W+13 W+14 W+15 W+16 W+17 W+18 W+19 W+20 W+21 W+22 W+23 W+24 W+25 W+26 W+27 W+28	37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64	III
		ULTRA	W+29 W+30 W+31 W+32 W+33 W+34	65 66 67 68 69 70	IV

MODE TV	MODE CATV	BAND	CHANNEL REAL	CHANNEL DISP.	TUNER BAND
×	○	ULTRA	W+35 W+36 W+37 W+38 W+39 W+40 W+41 W+42 W+43 W+44 W+45 W+46 W+47 W+48 W+49 W+50 W+51 W+52 W+53 W+54 W+55 W+56 W+57 W+58 W+59 W+60 W+61 W+62 W+63 W+64 W+65 W+66 W+67 W+68 W+69 W+70 W+71 W+72 W+73 W+74 W+75 W+76 W+77 W+78 W+79 W+80 W+81 W+82 W+83 W+84	71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125	IV
		SUB MID	A-8 A-4	01 96	I
			A-3 A-2 A-1	97 98 99	II
○	×	UHF	14 〜 69		IV

TOTAL 180CH
{ VHF 124CH
{ UHF 56CH

NOTE:
TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES.
SPECIAL ADAPTERS MAY BE REQUIRED.

PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P. W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS	
CR	Carbon Resistor
FR	Fusible Resistor
PR	Plate Resistor
VR	Variable Resistor
HV R	High Voltage Resistor
MF R	Metal Film Resistor
MG R	Metal Glazed Resistor
MP R	Metal Plate Resistor
OM R	Metal Oxide Film Resistor
CMF R	Coating Metal Film Resistor
UNF R	Non-Flammable Resistor
CH V R	Chip Variable Resistor
CH MG R	Chip Metal Glazed Resistor
COMP. R	Composition Resistor
LPTC R	Linear Positive Temperature Coefficient Resistor

CAPACITORS	
C CAP.	Ceramic Capacitor
E CAP.	Electrolytic Capacitor
M CAP.	Mylar Capacitor
CH CAP.	Chip Capacitor
HV CAP.	High Voltage Capacitor
MF CAP.	Metalized Film Capacitor
MM CAP.	Metalized Mylar Capacitor
MP CAP.	Metalized Polystyrol Capacitor
PP CAP.	Polypropylene Capacitor
PS CAP.	Polystyrol Capacitor
TF CAP.	Thin Film Capacitor
MPP CAP.	Metalized Polypropylene Capacitor
TAN. CAP.	Tantalum Capacitor
CH C CAP.	Chip Ceramic Capacitor
BP E CAP.	Bi-Polar Electrolytic Capacitor
CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

CONTENTS

USING P.W. BOARD & REMOTE CONTROL UNIT 3-2
[AV-27D104 / AV-27D304]
EXPLODED VIEW PARTS LIST - 1 3-3
EXPLODED VIEW - 1 3-3
EXPLODED VIEW PARTS LIST - 2 3-4
EXPLODED VIEW - 2 3-5
PRINTED WIRING BOARD PARTS LIST 3-6
[AV-27D104/RA] MAIN PW BOARD ASS'Y (SFE-1026A-M2) 3-6
[AV-27D104/SA] MAIN PW BOARD ASS'Y (SFE-1025A-M2) 3-10
[AV-27D304/RA] MAIN PW BOARD ASS'Y (SFE-1022A-M2) 3-14
[AV-27D304/SA] MAIN PW BOARD ASS'Y (SFE-1021A-M2) 3-18

[AV-27430 / AV-27432] 3-22
EXPLODED VIEW PARTS LIST 3-22
EXPLODED VIEW 3-23
PRINTED WIRING BOARD PARTS LIST 3-24
[AV-27430/RA] MAIN PW BOARD ASS'Y (SFE1028A-M2) 3-24
[AV-27430/SA] MAIN PW BOARD ASS'Y (SFE-1027A-M2) 3-28
[AV-27432/RA] MAIN PW BOARD ASS'Y (SFE-1030A-M2) 3-32
[AV-27432/SA] MAIN PW BOARD ASS'Y (SFE-1029A-M2) 3-36

[AV-27D104 / AV-27D304 / AV-27432]
REMOTE CONTROL UNIT PARTS LIST (RM-C1253G-1H / RM-C1255G-1H) 3-40
[AV-27430]
REMOTE CONTROL UNIT PARTS LIST (RM-C203-1C) 3-40
PACKING 3-41
PACKING PARTS LIST 3-42

USING P.W. BOARD & REMOTE CONTROL UNIT

[AV-27D104 / AV-27D304]

P.W.B ASS'Y	AV-27D104/RA	AV-27D104/SA	AV-27D304/RA	AV-27D304/SA
MAIN P.W.B	SFE-1026A-M2	SFE-1025A-M2	SFE-1022A-M2	SFE-1021A-M2
REMOTE CONTROL UNIT	RM-C1255G-1H	RM-C1255G-1H	RM-C1253G-1H	RM-C1253G-H

[AV-27430 / AV-27432]

P.W.B ASS'Y	AV-27430/RA	AV-27430/SA	AV-27432/RA	AV-27432/SA
MAIN P.W.B	SFE-1028A-M2	SFE-1027A-M2	SFE-1030A-M2	SFE-1029A-M2
REMOTE CONTROL UNIT	RM-C203-1C	RM-C203-1C	RM-C1255G-1H	RM-C1255G-1H

[AV-27D104 / AV-27D304]
EXPLODED VIEW PARTS LIST - 1

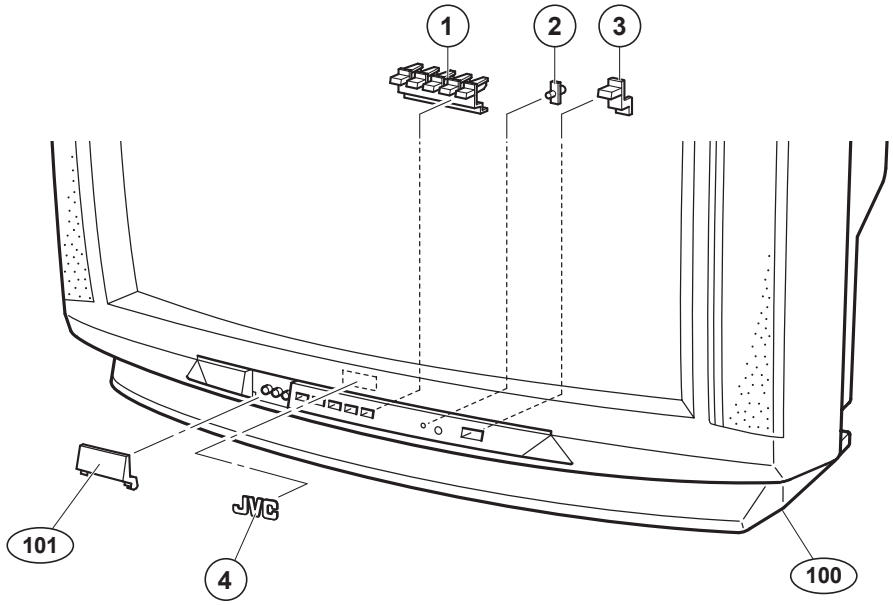
[AV-27D104/RA, AV-27D104/SA]

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	1	GQ30025-002A-A	CONTROL KNOB		
⚠	2	LC30191-004A-A	REMOCON LENS		
⚠	3	GQ30026-002A-A	POWER KNOB		
	4	CM48006-007-C	JVC MARK		
⚠	100	GQ10018-003A-A	F CABINET ASSY	Inc. 101	
⚠	101	GQ30024-002A-A	DOOR		

[AV-27D304/RA, AV-27D304/SA]

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	1	GQ30025-002A-A	CONTROL KNOB		
⚠	2	LC30191-004A-A	REMOCON LENS		
⚠	3	GQ30026-002A-A	POWER KNOB		
	4	CM48006-007-C	JVC MARK		
⚠	100	GQ10018-001B-A	F CABINET ASSY	Inc. 101	
⚠	101	GQ30024-002A-A	DOOR		

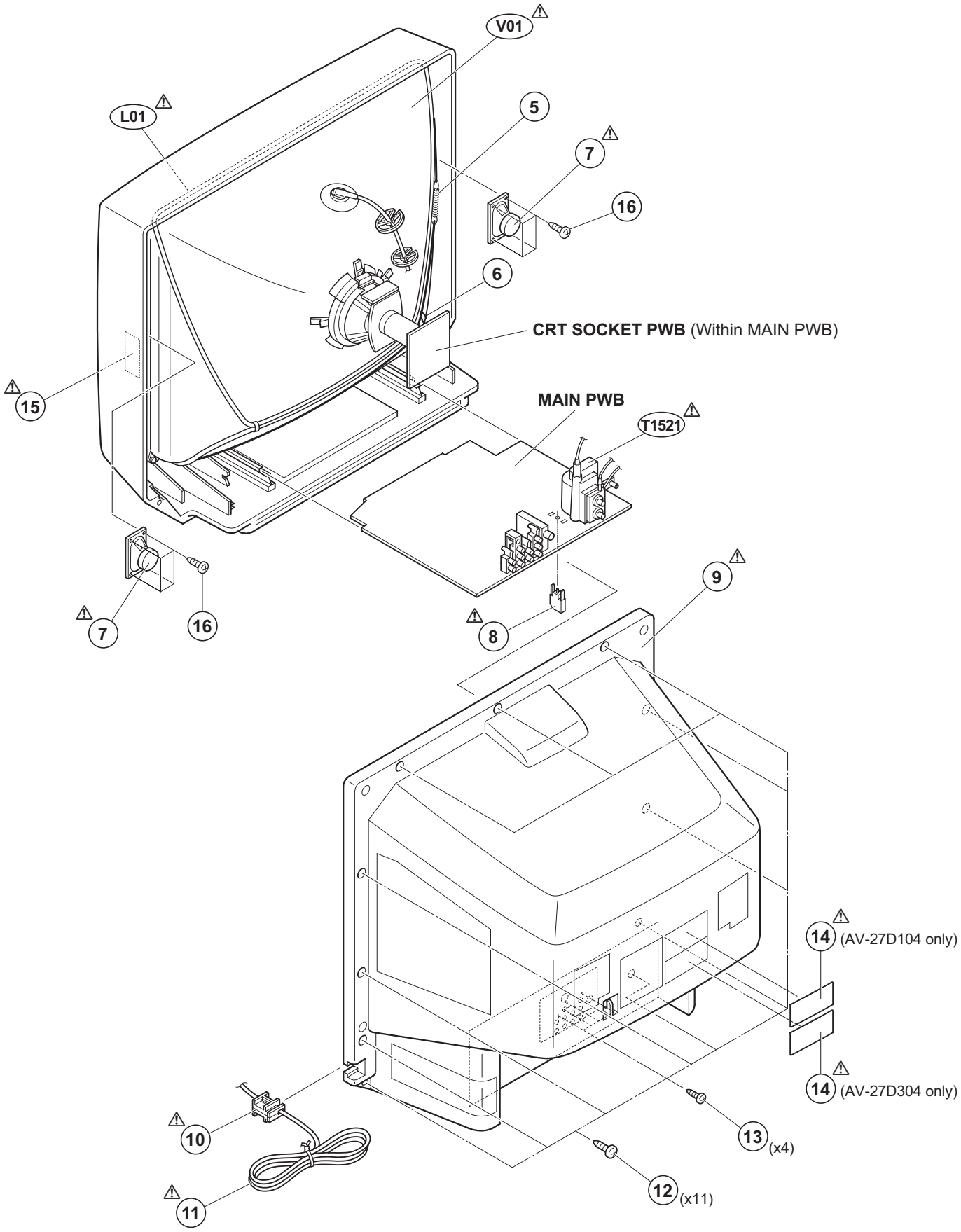
EXPLODED VIEW - 1



EXPLODED VIEW PARTS LIST - 2

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	V01	A68ADT25X01	ITC	Included DY, PC magnet	AV-27D104/RA,AV-27D304/RA
⚠	V01	A68QDN891X001	ITC	Included DY, PC magnet	AV-27D104/SA,AV-27D304/SA
⚠	L01	QQW0120-001	DEG COIL		AV-27D104/RA,AV-27D304/RA
⚠	L01	CE41329-00DJB	DEG COIL		AV-27D104/SA,AV-27D304/SA
⚠	T1521	QQH0129-001	FB TRANSF		
	5	CHGB0016-0C	BRAIDED ASSY		
	6	CHGB0015-0B	BRAIDED ASSY		
⚠	7	QAS0054-001	SPEAKER	(x2)SP01,02	
⚠	8	CM48144-001-A	PB STOPPER		
⚠	9	GQ10017-001B-A	REAR COVER		
⚠	10	LC20106-001D-A	POWER CORD CLAMP		
⚠	11	QMPD390-200-JS	POWER CORD(US/CA)	2m BLACK	
	12	QYSBSFG4016Z	TAP SCREW	4mm x 16mm(x11)	
	13	QYSBSB3010Z	TAP SCREW	3mm x 10mm(x4)	
⚠	14	GQ30032-001A-A	RATING LABEL		
⚠	15	GQ30034-001B-A	WARNING LABEL		
	16	QYSBSB4012Z	TAP SCREW	4mm x 12mm(x8)	

EXPLODED VIEW - 2



PRINTED WIRING BOARD PARTS LIST

[AV-27D104/RA]
MAIN PW BOARD ASS'Y (SFE-1026A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1101	M52342SP	IC		
IC1201	TM8812CPDNG4N35	IC(MCU)		
IC1251	TC90A49P	IC		
⚠IC1421	AN5522	IC		
⚠IC1602	LA4446	IC		
IC1603	CXA2134Q-X	IC		
IC1702	AT24WC-27D104R	IC	(SERVICE)	
IC1703	S-80840CNY-T	IC		
IC1704	AN78L05-T	IC		
IC1751	GP1UM281QK	IR DETECT UNIT		
IC1851	TA1218AN	IC		
IC1901	STR-G5624A/F8	IC		
IC1921	AN7809F	IC		
IC1922	UPC7805AHF	IC		
Q1001	UN2212-X	DIGI TRANSISTOR		
Q1101	2SC5083/L-P/-T	TRANSISTOR		
Q1131	2SB709A/QR/-X	TRANSISTOR		
Q1161	2SD601A/QR/-X	TRANSISTOR		
Q1211	2SD601A/QR/-X	TRANSISTOR		
Q1232	2SD601A/QR/-X	TRANSISTOR		
Q1233	2SD601A/QR/-X	TRANSISTOR		
Q1251	2SD601A/QR/-X	TRANSISTOR		
Q1252	2SD601A/QR/-X	TRANSISTOR		
Q1281	2SB709A/QR/-X	TRANSISTOR		
Q1282	2SD601A/QR/-X	TRANSISTOR		
Q1283	2SB709A/QR/-X	TRANSISTOR		
Q1291	2SB709A/QR/-X	TRANSISTOR		
Q1292	2SD601A/QR/-X	TRANSISTOR		
Q1293	2SB709A/QR/-X	TRANSISTOR		
Q1301	2SC4544-LB	POW TRANSISTOR		
Q1311	2SC4544-LB	POW TRANSISTOR		
Q1321	2SC4544-LB	POW TRANSISTOR		
Q1331	2SD601A/QR/-X	TRANSISTOR		
Q1332	2SD601A/QR/-X	TRANSISTOR		
Q1352	2SD601A/QR/-X	TRANSISTOR		
Q1501	2SC4212/Z1/	TRANSISTOR		
⚠Q1521	2SD2634-YD	TRANSISTOR	H OUT	
Q1602	2SD601A/QR/-X	TRANSISTOR		
Q1681	2SD601A/QR/-X	TRANSISTOR		
Q1682	2SD601A/QR/-X	TRANSISTOR		
Q1683	2SD601A/QR/-X	TRANSISTOR		
Q1684	2SD601A/QR/-X	TRANSISTOR		
Q1701	2SB709A/QR/-X	TRANSISTOR		
Q1751	UN2112-X	DIGI TRANSISTOR		
Q1851	2SB709A/QR/-X	TRANSISTOR		
Q1921	2SD1383K/AB/-X	TRANSISTOR		
Q1922	2SC2785/JH/-T	SI TRANSISTOR		
Q1923	2SA1037AK/QR/-X	TRANSISTOR		
Q1924	2SA1208/ST/Z1-T	TRANSISTOR		
D1331	1SS133-T2	SI DIODE		
D1352	MTZJ9.1C-T2	Z.DIODE I M		
D1353	1SS133-T2	SI DIODE		
D1365	1SS133-T2	SI DIODE		
D1366	1SS133-T2	SI DIODE		
D1367	1SS133-T2	SI DIODE		
D1368	MTZJ5.1B-T2	Z DIODE		
D1369	MTZJ5.1B-T2	Z DIODE		
D1370	MTZJ5.1B-T2	Z DIODE		
D1401	1SR35-400A-T2	SI DIODE		
D1402	MTZJ75-T2	Z DIODE		
D1501	MTZJ3.3A-T2	Z DIODE		
D1521	1SR35-400A-T2	SI DIODE		
D1522	RH1S-T3	SI DIODE		
D1523	1SR35-400A-T2	SI DIODE		
D1524	RGP10J-5025-T3	SI DIODE		
D1525	MTZJ5.6A-T2	Z DIODE		
D1526	MA4068N/Z1/-T2	Z DIODE		
D1661	MTZJ9.1C-T2	Z.DIODE I M		
D1681	MTZJ9.1C-T2	Z.DIODE I M		
D1682	MTZJ9.1C-T2	Z.DIODE I M		
D1683	MTZJ9.1C-T2	Z.DIODE I M		
D1684	MTZJ9.1C-T2	Z.DIODE I M		
D1685	MTZJ9.1C-T2	Z.DIODE I M		
D1686	MTZJ9.1C-T2	Z.DIODE I M		
D1687	MTZJ9.1C-T2	Z.DIODE I M		
D1688	MTZJ9.1C-T2	Z.DIODE I M		
D1705	1SS133-T2	SI DIODE		
D1751	LG22440	LED	POWER / ON TIMER	

⚠Ref No.	Part No.	Part Name	Description	Local
D1801	MTZJ9.1C-T2	Z.DIODE I M		
D1802	MTZJ9.1C-T2	Z.DIODE I M		
D1803	MTZJ9.1C-T2	Z.DIODE I M		
D1804	MTZJ9.1C-T2	Z.DIODE I M		
D1807	MTZJ9.1C-T2	Z.DIODE I M		
D1831	MTZJ9.1C-T2	Z.DIODE I M		
D1832	MTZJ9.1C-T2	Z.DIODE I M		
D1833	MTZJ9.1C-T2	Z.DIODE I M		
D1834	MTZJ9.1C-T2	Z.DIODE I M		
⚠D1901	GSIB460-S1	BRIDGE DIODE		
D1902	RGP10J-5025-T3	SI DIODE		
D1903	RGP10J-5025-T3	SI DIODE		
D1904	RGP10J-5025-T3	SI DIODE		
D1905	SARS01-T2	SI DIODE		
D1907	MA700A-T2	SB DIODE		
D1908	MTZJ15C-T2	Z DIODE		
D1921	1SR35-400A-T2	SI DIODE		
D1922	1SR35-400A-T2	SI DIODE		
D1923	1SR35-400A-T2	SI DIODE		
D1924	1SR35-400A-T2	SI DIODE		
D1925	1SS133-T2	SI DIODE		
D1926	RU3AM-LFC4	SI DIODE		
D1927	RU3YX-LFC4	SI DIODE		
D1928	RU3YX-LFC4	SI DIODE		
D1929	MTZJ7.5A-T2	Z DIODE		
D1930	1SS133-T2	SI DIODE		
D1931	1SS133-T2	SI DIODE		
D1932	MTZJ33B-T2	Z DIODE		
D1933	1N4002G-T2	SI DIODE		
C1001	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1003	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1004	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C1005	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1106	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1113	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1116	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C1117	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1118	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1119	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C1120	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C1124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1131	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1161	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1162	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1163	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1164	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1165	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1202	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1203	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C1211	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1221	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1222	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1223	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1233	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C1237	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1241	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1243	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1244	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1247	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1252	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1253	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1254	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C1261	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1262	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1263	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1264	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1265	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C1266	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1267	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1268	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1269	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1270	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1272	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1273	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1274	NDC31HJ-181X	C CAPACITOR	180pF 50V J	

⚠Ref No.	Part No.	Part Name	Description Local
C1275	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1276	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1277	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1278	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1283	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C1293	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C1302	NDC31HJ-331X	C CAPACITOR	330pF 50V J
C1312	NDC31HJ-271X	C CAPACITOR	270pF 50V J
C1322	NDC31HJ-271X	C CAPACITOR	270pF 50V J
C1331	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1341	QETN1CM-107Z	E CAPACITOR	100uF 16V M
⚠C1343	QCZ0121-102	C CAPACITOR	1000pF 3KV
C1352	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1361	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1362	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1401	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J
C1402	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C1403	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M
C1404	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C1405	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1406	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C1407	QETN1VM-107Z	E CAPACITOR	100uF 35V M
C1408	QCS32HJ-100Z	C CAPACITOR	10pF 500V J
C1409	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K
C1410	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K
C1411	QETM1VM-228	E CAPACITOR	2200uF 35V M
C1412	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C1501	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1504	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C1505	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1506	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1508	QCB32HK-151Z	C CAPACITOR	150pF 500V K
C1509	QCB32HK-331Z	C CAPACITOR	330pF 500V K
C1510	QETN2EM-225Z	E CAPACITOR	2.2uF 250V M
C1522	QFZ0198-123	MPP CAPACITOR	0.012uF 1.5KV
C1523	QFZ0199-564	MPP CAPACITOR	0.56uF 250V
C1524	QCB32HK-561Z	C CAPACITOR	560pF 500V K
C1525	QEZ0203-107	E CAPACITOR	100uF 160V M
C1526	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J
C1527	QETN2EM-106Z	E CAPACITOR	10uF 250V M
C1528	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
C1529	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C1530	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K
C1614	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1616	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1617	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C1618	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1619	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1620	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1622	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1623	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C1624	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1625	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1626	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1627	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C1651	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1652	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1653	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1654	NCB31HK-562X	C CAPACITOR	5600pF 50V K
C1655	NCB31HK-123X	C CAPACITOR	0.012uF 50V K
C1656	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1657	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1658	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1659	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1660	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1662	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1663	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1664	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1665	NCB31HK-272X	C CAPACITOR	2700pF 50V K
C1666	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
C1667	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M
C1668	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1669	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1670	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1671	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1672	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1673	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
C1674	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1675	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1676	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1677	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1681	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1682	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1683	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1684	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1685	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1686	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1687	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1688	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1689	QETN1CM-336Z	E CAPACITOR	33uF 16V M
C1701	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C1702	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1703	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1704	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1708	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C1709	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C1711	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1716	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1751	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1801	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1802	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1803	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1804	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1807	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1831	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1832	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1833	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1834	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1851	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1852	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1853	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1854	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1857	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1859	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1861	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1862	QETN1HM-106Z	E CAPACITOR	10uF 50V M
⚠C1901	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
⚠C1902	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
C1903	QEZ0561-477	E CAPACITOR	470uF 200V
⚠C1904	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
⚠C1905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
C1907	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C1908	QCZ0340-332	C CAPACITOR	3300pF 2kV K
C1909	NCB31HK-182X	C CAPACITOR	1800pF 50V K
C1910	NDC31HJ-471X	C CAPACITOR	470pF 50V J
C1911	QFP32GJ-103Z	PP CAPACITOR	0.01uF 400V J
C1921	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C1923	QEZ0203-107	E CAPACITOR	100uF 160V M
C1924	QETN2CM-476Z	E CAPACITOR	47uF 160V M
C1925	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C1926	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1927	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1929	QCZ0340-102	C CAPACITOR	1000pF 2kV K
C1930	QCB32HK-102Z	C CAPACITOR	1000pF 500V K
C1931	QCB32HK-102Z	C CAPACITOR	1000pF 500V K
C1932	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M
C1933	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C1935	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C1940	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1941	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1942	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1943	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1944	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1945	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
⚠C1991	QCZ9074-103	C CAPACITOR	0.01uF 250V
⚠C1992	QCZ9074-103	C CAPACITOR	0.01uF 250V
R1003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1006	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1008	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J
R1101	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1103	QRE121J-101Y	C RESISTOR	100Ω 1/2W J
R1104	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J
R1105	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J
R1111	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J
R1112	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J
R1113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R1117	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R1131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1132	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1133	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R1134	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1161	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1163	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1164	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1165	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1167	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1169	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1171	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1212	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1215	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1231	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1232	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R1233	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1234	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1235	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1251	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1252	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1253	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1254	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R1255	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1256	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1261	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1263	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1264	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R1282	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1283	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R1285	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1286	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1287	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1288	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1292	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1293	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1295	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1296	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1297	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1301	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1302	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R1303	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K
R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1305	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1311	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1312	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R1313	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K
R1314	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1315	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1321	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1322	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R1323	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K
R1324	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1325	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1326	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1331	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1333	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1354	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1356	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1360	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1364	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1365	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1366	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1401	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1402	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1407	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
R1408	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
R1409	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
R1411	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1412	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1414	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R1416	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J
R1501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1502	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1504	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R1505	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R1506	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1507	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1508	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1509	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1510	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R1511	QRG029J-182	OMF RESISTOR	1.8kΩ 2W J
R1512	QRG029J-182	OMF RESISTOR	1.8kΩ 2W J
R1521	QRE121J-220Y	C RESISTOR	22Ω 1/2W J
R1522	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
R1523	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J
R1524	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J
R1525	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J
R1526	QRK129J-150	UNF C RESISTOR	15Ω 1/2W J
R1527	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
R1528	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R1529	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J
R1530	QRX029J-1R5	MF RESISTOR	1.5Ω 2W J
R1531	NRZ0032-7151X	CMF RESISTOR	7.15kΩ
R1533	NRZ0032-2941X	CMF RESISTOR	2.94kΩ
R1541	QRE121J-683Y	C RESISTOR	68kΩ 1/2W J
R1614	QRL039J-100	OMF RESISTOR	10Ω 3W J
R1615	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1616	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1617	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1618	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1619	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1620	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1621	QRE121J-4R7Y	C RESISTOR	4.7Ω 1/2W J
R1622	QRE121J-4R7Y	C RESISTOR	4.7Ω 1/2W J
R1625	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1627	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1631	QRX029J-3R3	MF RESISTOR	3.3Ω 2W J
R1651	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1652	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1653	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R1654	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1655	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1656	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1657	NRSA63F-623X	MG RESISTOR	62kΩ 1/16W F
R1658	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1659	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J
R1661	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R1662	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1663	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1664	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1665	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1667	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1681	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1682	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1683	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1684	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1685	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1686	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1687	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1688	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1691	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1692	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1701	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1703	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1714	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1718	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1720	QRJ149J-1R0	UNF C RESISTOR	1Ω 1/4W J
R1721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1739	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1740	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1752	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1753	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R1754	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1755	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1756	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R1757	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1758	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1764	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1765	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1766	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1767	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1768	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1769	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1770	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1771	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1773	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1774	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1775	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1776	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1778	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1801	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1802	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1803	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1804	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1805	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1821	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R1831	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1832	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1833	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1834	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1835	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1836	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1851	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1852	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1853	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1854	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1855	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1856	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1857	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1858	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1859	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1862	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1863	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
⚠R1901	QRF074K-R47	UNF WW RESISTOR	0.47Ω 7W K
R1902	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R1903	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R1904	QRT029J-R22	MF RESISTOR	0.22Ω 2W J
R1905	QRT029J-R22	MF RESISTOR	0.22Ω 2W J
R1906	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J
R1907	QRE121J-472Y	C RESISTOR	4.7kΩ 1/2W J
R1908	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J
R1910	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J
R1911	QRG01GJ-470	OMF RESISTOR	47Ω 1W J
R1922	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1923	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1924	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
R1925	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
R1926	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J
R1927	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J
R1928	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R1929	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R1930	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R1932	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1933	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1934	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R1935	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1936	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R1938	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R1939	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R1941	QRG029J-180	OMF RESISTOR	18Ω 2W J
R1942	QRE121J-5R6Y	C RESISTOR	5.6Ω 1/2W J
R1943	QRE121J-820Y	C RESISTOR	82Ω 1/2W J
⚠R1991	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K
L1101	QQLZ014-R39	COIL	0.39uH 100mA L
L1131	QQL244K-220Z	COIL	22uH K
L1161	QQL244K-220Z	COIL	22uH K
L1232	QQL244K-560Z	COIL	56uH K
L1251	QQL244K-4R7Z	COIL	4.7uH K
L1281	QQL244K-150Z	COIL	15uH K
L1291	QQL244K-150Z	COIL	15uH K
L1341	QQL03BJ-390Z	P COIL	39uH J
L1521	QQR1027-004	LINEARITY COIL	
L1921	QQL26AK-470Z	COIL	47uH K
L1922	QQL26AK-470Z	COIL	47uH K

⚠Ref No.	Part No.	Part Name	Description Local
T1111	QQR0907-001	IFT	
T1501	CE42034-002	HOR DRIVE TRANS	
⚠T1901	QQT0355-001	POWER TRANSF	
⚠T1921	QQS0158-001	SW TRANSF	
CF1001	QAX0349-001	C TRAP	
CF1131	QAX0639-001Z	C TRAP	4.500MHz
CF1161	QAX0642-001Z	C FILTER	4.500MHz
CN100C	QGA2501F1-06	CONNECTOR	W-B (1-6)
CN100S	QGA2501C5-04Z	CONNECTOR	W-B (1-4)
CN100T	CHGC05-480	CONNECTOR WIRE	
CN100U	CHGC04-400	CONNECTOR ASSY	
CN10B1	CH41169-R03Y	EH POST HEADER	
CN10E1	CHGT0015-0B	CONNECTOR ASSY	
CN10HV	QGZ5004C1-06	CONNECTOR	(1-6)
⚠CN1DEG	QGA7901C1-02	CONNECTOR	W-B (1-2)
CN1HHS	CH41169-R03Y	EH POST HEADER	
⚠F1901	QMF51N1-5R0-J5	FUSE	5A AC125V
⚠FC1901	CEMG002-001Z	FUSE CLIP	(x2)
⚠H1002	LC30381-001A	HEAT SINK/FE-P/	
⚠H1602	CEHE014-001WU	HEAT SINK	
⚠HS1004	LC31696-001A	HEAT SINK/AL-F/	
⚠HS1009	LC31678-001A	HEAT SINK/AL-F/	
J1001	QNZ0454-001	AV JACK	S / V / L / R IN
J1002	QNN0348-001	PIN JACK	L / R OUT
J1003	QNN0349-002	PIN JACK	V / L / R IN
J1004	QNN0348-001	PIN JACK	L / R IN
J1005	CEMN065-001	PIN JACK	V IN
J1006	CEMN065-002	PIN JACK	L IN
J1007	CEMN072-003	PIN JACK	R IN
K1001	QQR0582-001Z	FERRITE BEADS	
K1101	QQR0582-001Z	FERRITE BEADS	
K1251	QQR0582-001Z	FERRITE BEADS	
K1253	QQR0582-001Z	FERRITE BEADS	
K1254	QQR0582-001Z	FERRITE BEADS	
K1401	QQR0582-001Z	FERRITE BEADS	
K1701	QQR0582-001Z	FERRITE BEADS	
K1702	QQR0582-001Z	FERRITE BEADS	
K1901	QQR0582-001Z	FERRITE BEADS	
K1902	QQR0582-001Z	FERRITE BEADS	
K1903	QQR0582-001Z	FERRITE BEADS	
K1904	QQR0582-001Z	FERRITE BEADS	
K1921	QQR0582-001Z	FERRITE BEADS	
K1922	QQR0582-001Z	FERRITE BEADS	
K1923	QQR0582-001Z	FERRITE BEADS	
⚠LF1901	QQR0527-003	LINE FILTER	
⚠RY1901	QSK0085-001	RELAY	
S1401	QSL4A13-C02	LEVER SWITCH	V. CENTER
S1751	QSW0619-003Z	TACT SWITCH	POWER
S1752	QSW0619-003Z	TACT SWITCH	VOL +
S1753	QSW0619-003Z	TACT SWITCH	VOL -
S1754	QSW0619-003Z	TACT SWITCH	CH +
S1755	QSW0619-003Z	TACT SWITCH	CH-
S1756	QSW0619-003Z	TACT SWITCH	MENU
SF1101	QAX0723-001	SAW FILTER	
⚠SK1351	QNZ0536-001	CRT SOCKET	
⚠TH1901	QAD0129-3R0	P THERMISTOR	3Ω
⚠TU1001	QAU0275-002	TUNER	
⚠VA1901	ERZV10V621CS	ZNR	
W1001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
W1002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
W1412	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
W1728	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
W1729	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
W1801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
W1802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
W1815	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
W1836	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
X1701	QAX0717-001Z	CRYSTAL	8.000MHz
Y1251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
Y1501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
Y1601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
Y1602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
Y1605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
Y1854	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J

[AV-27D104/SA]
MAIN PW BOARD ASS'Y (SFE-1025A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1101	M52342SP	IC		
IC1201	TM8812CPDNG4N35	IC(MCU)		
IC1251	TC90A49P	IC		
⚠IC1421	AN5522	IC		
⚠IC1602	LA4446	IC		
IC1603	CXA2134Q-X	IC		
IC1702	AT24WC-27D104R	IC	(SERVICE)	
IC1703	S-80840CNY-T	IC		
IC1704	AN78L05-T	IC		
IC1751	GP1UM281QK	IR DETECT UNIT		
IC1851	TA1218AN	IC		
IC1901	STR-G5624A/F8	IC		
IC1921	AN7809F	IC		
IC1922	UPC7805AHF	IC		
Q1001	UN2212-X	DIGI TRANSISTOR		
Q1101	2SC5083/L-P/-T	TRANSISTOR		
Q1131	2SB709A/QR/-X	TRANSISTOR		
Q1161	2SD601A/QR/-X	TRANSISTOR		
Q1211	2SD601A/QR/-X	TRANSISTOR		
Q1232	2SD601A/QR/-X	TRANSISTOR		
Q1233	2SD601A/QR/-X	TRANSISTOR		
Q1251	2SD601A/QR/-X	TRANSISTOR		
Q1252	2SD601A/QR/-X	TRANSISTOR		
Q1281	2SB709A/QR/-X	TRANSISTOR		
Q1282	2SD601A/QR/-X	TRANSISTOR		
Q1283	2SB709A/QR/-X	TRANSISTOR		
Q1291	2SB709A/QR/-X	TRANSISTOR		
Q1292	2SD601A/QR/-X	TRANSISTOR		
Q1293	2SB709A/QR/-X	TRANSISTOR		
Q1301	2SC4544-LB	POW TRANSISTOR		
Q1311	2SC4544-LB	POW TRANSISTOR		
Q1321	2SC4544-LB	POW TRANSISTOR		
Q1331	2SD601A/QR/-X	TRANSISTOR		
Q1332	2SD601A/QR/-X	TRANSISTOR		
Q1352	2SD601A/QR/-X	TRANSISTOR		
Q1501	2SC4212/Z1/	TRANSISTOR		
⚠Q1521	2SD2634-YD	TRANSISTOR	H OUT	
Q1602	2SD601A/QR/-X	TRANSISTOR		
Q1681	2SD601A/QR/-X	TRANSISTOR		
Q1682	2SD601A/QR/-X	TRANSISTOR		
Q1683	2SD601A/QR/-X	TRANSISTOR		
Q1684	2SD601A/QR/-X	TRANSISTOR		
Q1701	2SB709A/QR/-X	TRANSISTOR		
Q1751	UN2112-X	DIGI TRANSISTOR		
Q1851	2SB709A/QR/-X	TRANSISTOR		
Q1921	2SD1383K/AB/-X	TRANSISTOR		
Q1922	2SC2785/JH/-T	SI TRANSISTOR		
Q1923	2SA1037AK/QR/-X	TRANSISTOR		
Q1924	2SA1208/ST/Z1-T	TRANSISTOR		
D1331	1SS133-T2	SI DIODE		
D1352	MTZJ9.1C-T2	Z.DIODE I M		
D1353	1SS133-T2	SI DIODE		
D1365	1SS133-T2	SI DIODE		
D1366	1SS133-T2	SI DIODE		
D1367	1SS133-T2	SI DIODE		
D1368	MTZJ5.1B-T2	Z DIODE		
D1369	MTZJ5.1B-T2	Z DIODE		
D1370	MTZJ5.1B-T2	Z DIODE		
D1401	1SR35-400A-T2	SI DIODE		
D1402	MTZJ75-T2	Z DIODE		
D1501	MTZJ3.3A-T2	Z DIODE		
D1521	1SR35-400A-T2	SI DIODE		
D1522	RH1S-T3	SI DIODE		
D1523	1SR35-400A-T2	SI DIODE		
D1524	RGP10J-5025-T3	SI DIODE		
D1525	MTZJ5.6A-T2	Z DIODE		
D1526	MA4068N/Z1/-T2	Z DIODE		
D1661	MTZJ9.1C-T2	Z.DIODE I M		
D1681	MTZJ9.1C-T2	Z.DIODE I M		
D1682	MTZJ9.1C-T2	Z.DIODE I M		
D1683	MTZJ9.1C-T2	Z.DIODE I M		
D1684	MTZJ9.1C-T2	Z.DIODE I M		
D1685	MTZJ9.1C-T2	Z.DIODE I M		
D1686	MTZJ9.1C-T2	Z.DIODE I M		
D1687	MTZJ9.1C-T2	Z.DIODE I M		
D1688	MTZJ9.1C-T2	Z.DIODE I M		
D1705	1SS133-T2	SI DIODE		
D1751	LG22440	LED	POWER / ON TIMER	
D1801	MTZJ9.1C-T2	Z.DIODE I M		
D1802	MTZJ9.1C-T2	Z.DIODE I M		
D1803	MTZJ9.1C-T2	Z.DIODE I M		
D1804	MTZJ9.1C-T2	Z.DIODE I M		
D1807	MTZJ9.1C-T2	Z.DIODE I M		
D1831	MTZJ9.1C-T2	Z.DIODE I M		
D1832	MTZJ9.1C-T2	Z.DIODE I M		
D1833	MTZJ9.1C-T2	Z.DIODE I M		
D1834	MTZJ9.1C-T2	Z.DIODE I M		
⚠D1901	GSIB460-S1	BRIDGE DIODE		
D1902	RGP10J-5025-T3	SI DIODE		
D1903	RGP10J-5025-T3	SI DIODE		
D1904	RGP10J-5025-T3	SI DIODE		
D1905	SARS01-T2	SI DIODE		
D1907	MA700A-T2	SB DIODE		
D1908	MTZJ15C-T2	Z DIODE		
D1921	1SR35-400A-T2	SI DIODE		
D1922	1SR35-400A-T2	SI DIODE		
D1923	1SR35-400A-T2	SI DIODE		
D1924	1SR35-400A-T2	SI DIODE		
D1925	1SS133-T2	SI DIODE		
D1926	RU3AM-LFC4	SI DIODE		
D1927	RU3YX-LFC4	SI DIODE		
D1928	RU3YX-LFC4	SI DIODE		
D1929	MTZJ7.5A-T2	Z DIODE		
D1930	1SS133-T2	SI DIODE		
D1931	1SS133-T2	SI DIODE		
D1932	MTZJ33B-T2	Z DIODE		
D1933	1N4002G-T2	SI DIODE		
C1001	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1003	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1004	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C1005	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1106	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1113	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1116	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C1117	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1118	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1119	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C1120	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C1124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1131	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1161	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1162	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1163	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1164	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1165	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1202	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1203	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C1211	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1221	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1222	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1223	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1233	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C1237	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1241	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1243	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1244	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1247	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1252	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1253	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1254	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C1261	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1262	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1263	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1264	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1265	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C1266	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1267	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1268	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1269	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1270	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1272	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1273	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1274	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C1275	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1276	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1277	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1278	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1283	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1293	NDC31HJ-470X	C CAPACITOR	47pF 50V J	

⚠Ref No.	Part No.	Part Name	Description	Local
C1302	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C1312	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C1322	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C1331	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1341	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
⚠C1343	QCZ0121-102	C CAPACITOR	1000pF 3KV	
C1352	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1361	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1362	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1401	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C1402	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1403	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	
C1404	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1405	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1406	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1407	QETN1VM-107Z	E CAPACITOR	100uF 35V M	
C1408	QCS32HJ-100Z	C CAPACITOR	10pF 500V J	
C1409	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K	
C1410	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K	
C1411	QETM1VM-228	E CAPACITOR	2200uF 35V M	
C1412	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1501	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1504	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1505	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C1506	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1508	QCB32HK-151Z	C CAPACITOR	150pF 500V K	
C1509	QCB32HK-331Z	C CAPACITOR	330pF 500V K	
C1510	QETN2EM-225Z	E CAPACITOR	2.2uF 250V M	
C1522	QFZ0198-133	MPP CAPACITOR	0.013uF 1.5KV	
C1523	QFZ0199-564	MPP CAPACITOR	0.56uF 250V	
C1524	QCB32HK-561Z	C CAPACITOR	560pF 500V K	
C1525	QEZ0203-107	E CAPACITOR	100uF 160V M	
C1526	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J	
C1527	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C1528	QETN1VM-108Z	E CAPACITOR	1000uF 35V M	
C1529	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1530	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K	
C1614	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1616	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1617	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1618	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1619	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1620	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1622	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1623	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1624	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1625	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1626	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1627	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1651	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1652	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1653	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1654	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C1655	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C1656	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1657	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1658	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1659	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1660	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1662	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1663	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1664	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1665	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C1666	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C1667	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C1668	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1669	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1670	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1671	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1672	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1673	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C1674	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1675	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1676	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1677	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1681	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1682	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1683	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1684	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1685	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1686	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1687	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1688	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1689	QETN1CM-336Z	E CAPACITOR	33uF 16V M	
C1701	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1702	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1703	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1704	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1708	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C1709	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C1711	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1716	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1751	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1801	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1802	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1803	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1804	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1807	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1831	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1832	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1833	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1834	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1851	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1852	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1853	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1854	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1857	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1859	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1861	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1862	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
⚠C1901	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	
⚠C1902	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	
C1903	QEZ0561-477	E CAPACITOR	470uF 200V	
⚠C1904	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
⚠C1905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
C1907	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1908	QCZ0340-332	C CAPACITOR	3300pF 2kV K	
C1909	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C1910	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C1911	QFP32GJ-103Z	PP CAPACITOR	0.01uF 400V J	
C1921	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C1923	QEZ0203-107	E CAPACITOR	100uF 160V M	
C1924	QETN2CM-476Z	E CAPACITOR	47uF 160V M	
C1925	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C1926	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1927	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1929	QCZ0340-102	C CAPACITOR	1000pF 2kV K	
C1930	QCB32HK-102Z	C CAPACITOR	1000pF 500V K	
C1931	QCB32HK-102Z	C CAPACITOR	1000pF 500V K	
C1932	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
C1933	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1935	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C1940	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1941	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1942	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1943	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1944	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1945	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
⚠C1991	QCZ9074-103	C CAPACITOR	0.01uF 250V	
⚠C1992	QCZ9074-103	C CAPACITOR	0.01uF 250V	
R1003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1006	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1008	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R1101	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1103	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	
R1104	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J	
R1105	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R1111	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R1112	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R1113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R1117	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R1131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1132	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1133	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1134	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1161	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1163	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1164	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1165	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1167	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1169	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1171	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1212	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1215	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1231	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1232	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1233	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1234	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1235	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1251	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1252	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1253	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1254	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R1255	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1256	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1261	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1263	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1264	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1282	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1283	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1285	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1286	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1287	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1288	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1292	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1293	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1295	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1296	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1297	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1301	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1302	QRL029J-123	OMF RESISTOR	12kΩ 2W J	
R1303	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K	
R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1305	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1311	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1312	QRL029J-123	OMF RESISTOR	12kΩ 2W J	
R1313	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K	
R1314	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1315	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1321	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1322	QRL029J-123	OMF RESISTOR	12kΩ 2W J	
R1323	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K	
R1324	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1325	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1326	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1331	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1333	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1354	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1356	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1360	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1364	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1365	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1366	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1401	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1402	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1407	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R1408	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R1409	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1411	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1412	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1414	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1416	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	
R1501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1502	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1504	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1505	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R1506	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1507	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1508	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1509	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1510	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1511	QRG029J-182	OMF RESISTOR	1.8kΩ 2W J	
R1512	QRG029J-182	OMF RESISTOR	1.8kΩ 2W J	
R1521	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	
R1522	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R1523	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J	
R1524	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J	
R1525	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R1526	QRK129J-150	UNF C RESISTOR	15Ω 1/2W J	
R1527	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1528	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1529	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J	
R1530	QRX029J-1R5	MF RESISTOR	1.5Ω 2W J	
R1531	NRZ0032-7151X	CMF RESISTOR	7.15kΩ	
R1533	NRZ0032-2941X	CMF RESISTOR	2.94kΩ	
R1541	QRE121J-683Y	C RESISTOR	68kΩ 1/2W J	
R1614	QRL039J-100	OMF RESISTOR	10Ω 3W J	
R1615	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1616	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1617	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1618	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1619	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1620	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1621	QRE121J-4R7Y	C RESISTOR	4.7Ω 1/2W J	
R1622	QRE121J-4R7Y	C RESISTOR	4.7Ω 1/2W J	
R1625	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1627	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1631	QRX029J-3R3	MF RESISTOR	3.3Ω 2W J	
R1651	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1652	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1653	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R1654	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1655	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1656	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1657	NRSA63F-623X	MG RESISTOR	62kΩ 1/16W F	
R1658	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1659	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R1661	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1662	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1663	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1664	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1665	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1667	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1681	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1682	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1683	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1684	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1685	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1686	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1687	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1688	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1691	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1692	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1701	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1703	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1714	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1718	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1720	QRJ149J-1R0	UNF C RESISTOR	1Ω 1/4W J	
R1721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1739	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1740	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1752	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1753	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1754	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1755	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1756	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1757	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1758	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1764	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1765	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1766	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1767	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1768	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1769	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1770	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1771	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1773	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1774	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1775	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1776	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1778	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1801	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1802	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1803	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1804	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1805	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1821	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R1831	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1832	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1833	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1834	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1835	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1836	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1851	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1852	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1853	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1854	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1855	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1856	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1857	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1858	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1859	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1862	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1863	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
⚠R1901	QRF074K-R47	UNF WW RESISTOR	0.47Ω 7W K	
R1902	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R1903	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R1904	QRT029J-R22	MF RESISTOR	0.22Ω 2W J	
R1905	QRT029J-R22	MF RESISTOR	0.22Ω 2W J	
R1906	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J	
R1907	QRE121J-472Y	C RESISTOR	4.7kΩ 1/2W J	
R1908	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J	
R1910	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J	
R1911	QRG01GJ-470	OMF RESISTOR	47Ω 1W J	
R1922	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1923	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1924	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1925	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1926	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J	
R1927	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J	
R1928	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J	
R1929	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J	
R1930	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R1932	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1933	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1934	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R1935	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R1936	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1938	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1939	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1941	QRG029J-180	OMF RESISTOR	18Ω 2W J	
R1942	QRE121J-5R6Y	C RESISTOR	5.6Ω 1/2W J	
R1943	QRE121J-820Y	C RESISTOR	82Ω 1/2W J	
⚠R1991	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K	
L1101	QQLZ014-R39	COIL	0.39uH 100mA L	
L1131	QQL244K-220Z	COIL	22uH K	
L1161	QQL244K-220Z	COIL	22uH K	
L1232	QQL244K-560Z	COIL	56uH K	
L1251	QQL244K-4R7Z	COIL	4.7uH K	
L1281	QQL244K-150Z	COIL	15uH K	
L1291	QQL244K-150Z	COIL	15uH K	
L1341	QQL03BJ-390Z	P COIL	39uH J	
L1521	QQR1027-004	LINEARITY COIL		
L1921	QQL26AK-470Z	COIL	47uH K	
L1922	QQL26AK-470Z	COIL	47uH K	
T1111	QQR0907-001	IFT		
T1501	CE42034-002	HOR DRIVE TRANS		
⚠T1901	QQT0355-001	POWER TRANSF		
⚠T1921	QQS0158-001	SW TRANSF		
CF1001	QAX0349-001	C TRAP		
CF1131	QAX0639-001Z	C TRAP	4.500MHz	
CF1161	QAX0642-001Z	C FILTER	4.500MHz	
CN100C	QGA2501F1-06	CONNECTOR	W-B (1-6)	
CN100S	QGA2501C5-04Z	CONNECTOR	W-B (1-4)	
CN100T	CHGC05-480	CONNECTOR WIRE		
CN100U	CHGC04-400	CONNECTOR ASSY		
CN10B1	CH41169-R03Y	EH POST HEADER		
CN10E1	CHGT0015-0B	CONNECTOR ASSY		
CN10HV	QGZ5004C1-06	CONNECTOR	(1-6)	
⚠CN1DEG	QGA7901C1-02	CONNECTOR	W-B (1-2)	
CN1HHS	CH41169-R03Y	EH POST HEADER		
⚠F1901	QMF51N1-5R0-J5	FUSE	5A AC125V	
⚠FC1901	CEMG002-001Z	FUSE CLIP	(x2)	
⚠H1002	LC30381-001A	HEAT SINK/FE-P/		
⚠H1602	CEHE014-001WU	HEAT SINK		
⚠HS1004	LC31696-001A	HEAT SINK/AL-F/		
⚠HS1009	LC31678-001A	HEAT SINK/AL-F/		
J1001	QNZ0454-001	AV JACK	S / V / L / R IN	
J1002	QNN0348-001	PIN JACK	L / R OUT	
J1003	QNN0349-002	PIN JACK	V / L / R IN	
J1004	QNN0348-001	PIN JACK	L / R IN	
J1005	CEMN065-001	PIN JACK	V IN	
J1006	CEMN065-002	PIN JACK	L IN	
J1007	CEMN072-003	PIN JACK	R IN	
K1001	QQR0582-001Z	FERRITE BEADS		
K1101	QQR0582-001Z	FERRITE BEADS		
K1251	QQR0582-001Z	FERRITE BEADS		
K1253	QQR0582-001Z	FERRITE BEADS		
K1254	QQR0582-001Z	FERRITE BEADS		
K1401	QQR0582-001Z	FERRITE BEADS		
K1701	QQR0582-001Z	FERRITE BEADS		
K1702	QQR0582-001Z	FERRITE BEADS		
K1901	QQR0582-001Z	FERRITE BEADS		
K1902	QQR0582-001Z	FERRITE BEADS		
K1903	QQR0582-001Z	FERRITE BEADS		
K1904	QQR0582-001Z	FERRITE BEADS		
K1921	QQR0582-001Z	FERRITE BEADS		
K1922	QQR0582-001Z	FERRITE BEADS		
K1923	QQR0582-001Z	FERRITE BEADS		
⚠LF1901	QQR0527-003	LINE FILTER		
⚠RY1901	QSK0085-001	RELAY		
S1401	QSL4A13-C02	LEVER SWITCH	V. CENTER	
S1751	QSW0619-003Z	TACT SWITCH	POWER	
S1752	QSW0619-003Z	TACT SWITCH	VOL +	
S1753	QSW0619-003Z	TACT SWITCH	VOL -	
S1754	QSW0619-003Z	TACT SWITCH	CH +	
S1755	QSW0619-003Z	TACT SWITCH	CH-	
S1756	QSW0619-003Z	TACT SWITCH	MENU	
SF1101	QAX0723-001	SAW FILTER		
⚠SK1351	QNZ0536-001	CRT SOCKET		
⚠TH1901	QAD0129-3R0	P THERMISTOR	3Ω	
⚠TU1001	QAU0275-002	TUNER		
⚠VA1901	ERZV10V621CS	ZNR		
W1001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1412	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1728	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1729	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1815	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1836	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
X1701	QAX0717-001Z	CRYSTAL	8.000MHz	
Y1251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1854	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

[AV-27D304/RA]
MAIN PW BOARD ASS'Y (SFE-1022A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1101	M52342SP	IC		
IC1201	TM8812CPDNG4N35	IC(MCU)		
IC1251	TC90A49P	IC		
⚠IC1421	AN5522	IC		
IC1601	NJM2150AD	IC		
⚠IC1602	LA4446	IC		
IC1603	CXA2134Q-X	IC		
IC1702	AT24WC-27D304R	IC	(SERVICE)	
IC1703	S-80840CNY-T	IC		
IC1704	AN78L05-T	IC		
IC1751	GP1UM281QK	IR DETECT UNIT		
IC1851	TA1218AN	IC		
IC1901	STR-G5624A/F8	IC		
IC1921	AN7809F	IC		
IC1922	UPC7805AHF	IC		
Q1001	UN2212-X	DIGI TRANSISTOR		
Q1101	2SC5083/L-P/-T	TRANSISTOR		
Q1131	2SB709A/QR/-X	TRANSISTOR		
Q1161	2SD601A/QR/-X	TRANSISTOR		
Q1211	2SD601A/QR/-X	TRANSISTOR		
Q1232	2SD601A/QR/-X	TRANSISTOR		
Q1233	2SD601A/QR/-X	TRANSISTOR		
Q1251	2SD601A/QR/-X	TRANSISTOR		
Q1252	2SD601A/QR/-X	TRANSISTOR		
Q1281	2SB709A/QR/-X	TRANSISTOR		
Q1282	2SD601A/QR/-X	TRANSISTOR		
Q1283	2SB709A/QR/-X	TRANSISTOR		
Q1291	2SB709A/QR/-X	TRANSISTOR		
Q1292	2SD601A/QR/-X	TRANSISTOR		
Q1293	2SB709A/QR/-X	TRANSISTOR		
Q1301	2SC4544-LB	POW TRANSISTOR		
Q1311	2SC4544-LB	POW TRANSISTOR		
Q1321	2SC4544-LB	POW TRANSISTOR		
Q1331	2SD601A/QR/-X	TRANSISTOR		
Q1332	2SD601A/QR/-X	TRANSISTOR		
Q1352	2SD601A/QR/-X	TRANSISTOR		
Q1501	2SC4212/Z1/	TRANSISTOR		
⚠Q1521	2SD2634-YD	TRANSISTOR	H OUT	
Q1602	2SD601A/QR/-X	TRANSISTOR		
Q1681	2SD601A/QR/-X	TRANSISTOR		
Q1682	2SD601A/QR/-X	TRANSISTOR		
Q1683	2SD601A/QR/-X	TRANSISTOR		
Q1684	2SD601A/QR/-X	TRANSISTOR		
Q1701	2SB709A/QR/-X	TRANSISTOR		
Q1751	UN2112-X	DIGI TRANSISTOR		
Q1851	2SB709A/QR/-X	TRANSISTOR		
Q1921	2SD1383K/AB/-X	TRANSISTOR		
Q1922	2SC2785/JH/-T	SI TRANSISTOR		
Q1923	2SA1037AK/QR/-X	TRANSISTOR		
Q1924	2SA1208/ST/Z1-T	TRANSISTOR		
D1331	1SS133-T2	SI DIODE		
D1352	MTZJ9.1C-T2	Z.DIODE I M		
D1353	1SS133-T2	SI DIODE		
D1365	1SS133-T2	SI DIODE		
D1366	1SS133-T2	SI DIODE		
D1367	1SS133-T2	SI DIODE		
D1368	MTZJ5.1B-T2	Z DIODE		
D1369	MTZJ5.1B-T2	Z DIODE		
D1370	MTZJ5.1B-T2	Z DIODE		
D1401	1SR35-400A-T2	SI DIODE		
D1402	MTZJ75-T2	Z DIODE		
D1501	MTZJ3.3A-T2	Z DIODE		
D1521	1SR35-400A-T2	SI DIODE		
D1522	RH1S-T3	SI DIODE		
D1523	1SR35-400A-T2	SI DIODE		
D1524	RGP10J-5025-T3	SI DIODE		
D1525	MTZJ5.6A-T2	Z DIODE		
D1526	MA4068N/Z1/-T2	Z DIODE		
D1661	MTZJ9.1C-T2	Z.DIODE I M		
D1681	MTZJ9.1C-T2	Z.DIODE I M		
D1682	MTZJ9.1C-T2	Z.DIODE I M		
D1683	MTZJ9.1C-T2	Z.DIODE I M		
D1684	MTZJ9.1C-T2	Z.DIODE I M		
D1685	MTZJ9.1C-T2	Z.DIODE I M		
D1686	MTZJ9.1C-T2	Z.DIODE I M		
D1687	MTZJ9.1C-T2	Z.DIODE I M		
D1688	MTZJ9.1C-T2	Z.DIODE I M		
D1705	1SS133-T2	SI DIODE		
D1751	LG22440	LED	POWER / ON TIMER	
D1801	MTZJ9.1C-T2	Z.DIODE I M		
D1802	MTZJ9.1C-T2	Z.DIODE I M		
D1803	MTZJ9.1C-T2	Z.DIODE I M		
D1804	MTZJ9.1C-T2	Z.DIODE I M		
D1807	MTZJ9.1C-T2	Z.DIODE I M		
D1831	MTZJ9.1C-T2	Z.DIODE I M		
D1832	MTZJ9.1C-T2	Z.DIODE I M		
D1833	MTZJ9.1C-T2	Z.DIODE I M		
D1834	MTZJ9.1C-T2	Z.DIODE I M		
⚠D1901	GSIB460-S1	BRIDGE DIODE		
D1902	RGP10J-5025-T3	SI DIODE		
D1903	RGP10J-5025-T3	SI DIODE		
D1904	RGP10J-5025-T3	SI DIODE		
D1905	SARS01-T2	SI DIODE		
D1907	MA700A-T2	SB DIODE		
D1908	MTZJ15C-T2	Z DIODE		
D1921	1SR35-400A-T2	SI DIODE		
D1922	1SR35-400A-T2	SI DIODE		
D1923	1SR35-400A-T2	SI DIODE		
D1924	1SR35-400A-T2	SI DIODE		
D1925	1SS133-T2	SI DIODE		
D1926	RU3AM-LFC4	SI DIODE		
D1927	RU3YX-LFC4	SI DIODE		
D1928	RU3YX-LFC4	SI DIODE		
D1929	MTZJ7.5A-T2	Z DIODE		
D1930	1SS133-T2	SI DIODE		
D1931	1SS133-T2	SI DIODE		
D1932	MTZJ33B-T2	Z DIODE		
D1933	1N4002G-T2	SI DIODE		
C1001	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1003	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1004	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C1005	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1106	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1113	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1116	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C1117	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1118	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1119	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C1120	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C1124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1131	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1161	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1162	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1163	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1164	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1165	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1202	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1203	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C1211	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1221	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1222	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1223	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1233	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C1237	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1241	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1243	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1244	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1247	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1252	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1253	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1254	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C1261	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1262	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1263	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1264	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1265	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C1266	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1267	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1268	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1269	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1270	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1272	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1273	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1274	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C1275	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1276	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1277	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1278	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1283	NDC31HJ-330X	C CAPACITOR	33pF 50V J	

⚠Ref No.	Part No.	Part Name	Description	Local
C1293	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1302	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C1312	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C1322	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C1331	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1341	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
⚠C1343	QCZ0121-102	C CAPACITOR	1000pF 3KV	
C1352	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1361	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1362	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1401	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C1402	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1403	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	
C1404	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1405	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1406	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1407	QETN1VM-107Z	E CAPACITOR	100uF 35V M	
C1408	QCS32HJ-100Z	C CAPACITOR	10pF 500V J	
C1409	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K	
C1410	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K	
C1411	QETM1VM-228	E CAPACITOR	2200uF 35V M	
C1412	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1501	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1504	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1505	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C1506	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1508	QCB32HK-151Z	C CAPACITOR	150pF 500V K	
C1509	QCB32HK-331Z	C CAPACITOR	330pF 500V K	
C1510	QETN2EM-225Z	E CAPACITOR	2.2uF 250V M	
C1522	QFZ0198-123	MPP CAPACITOR	0.012uF 1.5KV	
C1523	QFZ0199-564	MPP CAPACITOR	0.56uF 250V	
C1524	QCB32HK-561Z	C CAPACITOR	560pF 500V K	
C1525	QEZ0203-107	E CAPACITOR	100uF 160V M	
C1526	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J	
C1527	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C1528	QETN1VM-108Z	E CAPACITOR	1000uF 35V M	
C1529	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1530	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K	
C1601	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C1602	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C1603	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C1604	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C1605	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C1606	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C1607	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1608	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1609	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1610	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1614	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1616	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1617	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1618	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1619	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1620	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1622	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1623	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1624	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1625	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1626	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1627	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1651	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1652	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1653	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1654	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C1655	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C1656	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1657	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1658	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1659	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1660	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1662	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1663	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1664	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1665	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C1666	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C1667	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C1668	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1669	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1670	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1671	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1672	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1673	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C1674	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1675	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1676	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1677	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1681	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1682	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1683	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1684	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1685	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1686	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1687	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1688	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1689	QETN1CM-336Z	E CAPACITOR	33uF 16V M	
C1701	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1702	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1703	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1704	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1708	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C1709	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C1711	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1716	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1751	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1801	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1802	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1803	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1804	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1807	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1831	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1832	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1833	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1834	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1851	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1852	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1853	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1854	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1857	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1859	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1861	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1862	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
⚠C1901	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	
⚠C1902	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	
C1903	QEZ0561-477	E CAPACITOR	470uF 200V	
⚠C1904	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
⚠C1905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
C1907	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1908	QCZ0340-332	C CAPACITOR	3300pF 2kV K	
C1909	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C1910	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C1911	QFP32GJ-103Z	PP CAPACITOR	0.01uF 400V J	
C1921	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C1923	QEZ0203-107	E CAPACITOR	100uF 160V M	
C1924	QETN2CM-476Z	E CAPACITOR	47uF 160V M	
C1925	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C1926	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1927	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1929	QCZ0340-102	C CAPACITOR	1000pF 2kV K	
C1930	QCB32HK-102Z	C CAPACITOR	1000pF 500V K	
C1931	QCB32HK-102Z	C CAPACITOR	1000pF 500V K	
C1932	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
C1933	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1935	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C1940	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1941	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1942	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1943	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1944	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1945	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
⚠C1991	QCZ9074-103	C CAPACITOR	0.01uF 250V	
⚠C1992	QCZ9074-103	C CAPACITOR	0.01uF 250V	
R1003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1006	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1008	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R1101	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1103	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	
R1104	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J	
R1105	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1111	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R1112	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R1113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R1117	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R1131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1132	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1133	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1134	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1161	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1163	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1164	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1165	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1167	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1169	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1171	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1212	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1215	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1231	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1232	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1233	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1234	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1235	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1251	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1252	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1253	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1254	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R1255	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1256	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1261	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1263	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1264	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1282	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1283	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1285	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1286	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1287	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1288	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1292	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1293	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1295	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1296	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1297	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1301	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1302	QRL029J-123	OMF RESISTOR	12kΩ 2W J	
R1303	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K	
R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1305	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1311	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1312	QRL029J-123	OMF RESISTOR	12kΩ 2W J	
R1313	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K	
R1314	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1315	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1321	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1322	QRL029J-123	OMF RESISTOR	12kΩ 2W J	
R1323	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K	
R1324	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1325	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1326	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1331	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1333	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1354	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1356	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1360	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1364	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1365	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1366	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1401	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1402	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1407	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R1408	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R1409	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1411	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1412	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1414	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1416	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	
R1501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1502	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1504	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1505	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R1506	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1507	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1508	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1509	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1510	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1511	QRG029J-182	OMF RESISTOR	1.8kΩ 2W J	
R1512	QRG029J-182	OMF RESISTOR	1.8kΩ 2W J	
R1521	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	
R1522	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R1523	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J	
R1524	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J	
R1525	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R1526	QRK129J-150	UNF C RESISTOR	15Ω 1/2W J	
R1527	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1528	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1529	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J	
R1530	QRX029J-1R5	MF RESISTOR	1.5Ω 2W J	
R1531	NRZ0032-7151X	CMF RESISTOR	7.15kΩ	
R1533	NRZ0032-2941X	CMF RESISTOR	2.94kΩ	
R1541	QRE121J-683Y	C RESISTOR	68kΩ 1/2W J	
R1601	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1602	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1603	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1604	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1609	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1614	QRL039J-100	OMF RESISTOR	10Ω 3W J	
R1615	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1616	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1617	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1618	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1619	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1620	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1621	QRE121J-4R7Y	C RESISTOR	4.7Ω 1/2W J	
R1622	QRE121J-4R7Y	C RESISTOR	4.7Ω 1/2W J	
R1625	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1627	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1631	QRX029J-3R3	MF RESISTOR	3.3Ω 2W J	
R1651	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1652	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1653	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R1654	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1655	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1656	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1657	NRSA63F-623X	MG RESISTOR	62kΩ 1/16W F	
R1658	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1659	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R1661	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1662	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1663	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1664	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1665	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1667	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1681	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1682	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1683	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1684	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1685	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1686	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1687	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1688	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1691	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1692	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1701	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1703	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1714	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1718	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1720	QRJ149J-1R0	UNF C RESISTOR	1Ω 1/4W J	
R1721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1739	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1740	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1752	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1753	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1754	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1755	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1756	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1757	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1758	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1764	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1765	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1766	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1767	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1768	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1769	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1770	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1771	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1773	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1774	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1775	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1776	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1778	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1801	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R1802	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1803	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1804	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1805	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1821	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R1831	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1832	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1833	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1834	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1835	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1836	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1851	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1852	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1853	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1854	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1855	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1856	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1857	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1858	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1859	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1862	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1863	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
⚠R1901	QRF074K-R47	UNF WW RESISTOR	0.47Ω 7W K	
R1902	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R1903	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R1904	QRT029J-R22	MF RESISTOR	0.22Ω 2W J	
R1905	QRT029J-R22	MF RESISTOR	0.22Ω 2W J	
R1906	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J	
R1907	QRE121J-472Y	C RESISTOR	4.7kΩ 1/2W J	
R1908	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J	
R1910	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J	
R1911	QRG01GJ-470	OMF RESISTOR	47Ω 1W J	
R1922	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1923	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1924	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1925	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1926	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J	
R1927	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J	
R1928	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J	
R1929	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J	
R1930	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R1932	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1933	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1934	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R1935	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R1936	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1938	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1939	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1941	QRG029J-180	OMF RESISTOR	18Ω 2W J	
R1942	QRE121J-5R6Y	C RESISTOR	5.6Ω 1/2W J	
R1943	QRE121J-820Y	C RESISTOR	82Ω 1/2W J	
⚠R1991	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K	

⚠Ref No.	Part No.	Part Name	Description	Local
L1101	QQLZ014-R39	COIL	0.39uH 100mA L	
L1131	QQL244K-220Z	COIL	22uH K	
L1161	QQL244K-220Z	COIL	22uH K	
L1232	QQL244K-560Z	COIL	56uH K	
L1251	QQL244K-4R7Z	COIL	4.7uH K	
L1281	QQL244K-150Z	COIL	15uH K	
L1291	QQL244K-150Z	COIL	15uH K	
L1341	QQL03BJ-390Z	P COIL	39uH J	
L1521	QQR1027-004	LINEARITY COIL		
L1921	QQL26AK-470Z	COIL	47uH K	
L1922	QQL26AK-470Z	COIL	47uH K	
T1111	QQR0907-001	IFT		
T1501	CE42034-002	HOR DRIVE TRANS		
⚠T1901	QQT0355-001	POWER TRANSF		
⚠T1921	QQS0158-001	SW TRANSF		
CF1001	QAX0349-001	C TRAP		
CF1131	QAX0639-001Z	C TRAP	4.500MHz	
CF1161	QAX0642-001Z	C FILTER	4.500MHz	
CN100C	QGA2501F1-06	CONNECTOR	W-B (1-6)	
CN100S	QGA2501C5-04Z	CONNECTOR	W-B (1-4)	
CN100T	CHGC05-480	CONNECTOR WIRE		
CN100U	CHGC04-400	CONNECTOR ASSY		
CN10B1	CH41169-R03Y	EH POST HEADER		
CN10E1	CHGT0015-0B	CONNECTOR ASSY		
CN10HV	QGZ5004C1-06	CONNECTOR	(1-6)	
⚠CN1DEG	QGA7901C1-02	CONNECTOR	W-B (1-2)	
CN1HHS	CH41169-R03Y	EH POST HEADER		
⚠F1901	QMF51N1-5R0-J5	FUSE	5A AC125V	
⚠FC1901	CEMG002-001Z	FUSE CLIP	(x2)	
⚠H1002	LC30381-001A	HEAT SINK/FE-P/		
⚠H1602	CEHE014-001WU	HEAT SINK		
⚠HS1004	LC31696-001A	HEAT SINK/AL-F/		
⚠HS1009	LC31678-001A	HEAT SINK/AL-F/		
J1001	QNZ0454-001	AV JACK	S / V / L / R IN	
J1002	QNN0348-001	PIN JACK	L / R OUT	
J1003	QNN0349-002	PIN JACK	V / L / R IN	
J1004	QNN0348-001	PIN JACK	L / R IN	
J1005	CEMN065-001	PIN JACK	V IN	
J1006	CEMN065-002	PIN JACK	L IN	
J1007	CEMN072-003	PIN JACK	R IN	
K1001	QQR0582-001Z	FERRITE BEADS		
K1101	QQR0582-001Z	FERRITE BEADS		
K1251	QQR0582-001Z	FERRITE BEADS		
K1253	QQR0582-001Z	FERRITE BEADS		
K1254	QQR0582-001Z	FERRITE BEADS		
K1401	QQR0582-001Z	FERRITE BEADS		
K1701	QQR0582-001Z	FERRITE BEADS		
K1702	QQR0582-001Z	FERRITE BEADS		
K1901	QQR0582-001Z	FERRITE BEADS		
K1902	QQR0582-001Z	FERRITE BEADS		
K1903	QQR0582-001Z	FERRITE BEADS		
K1904	QQR0582-001Z	FERRITE BEADS		
K1921	QQR0582-001Z	FERRITE BEADS		
K1922	QQR0582-001Z	FERRITE BEADS		
K1923	QQR0582-001Z	FERRITE BEADS		
⚠LF1901	QQR0527-003	LINE FILTER		
⚠RY1901	QSK0085-001	RELAY		
S1401	QSL4A13-C02	LEVER SWITCH	V. CENTER	
S1751	QSW0619-003Z	TACT SWITCH	POWER	
S1752	QSW0619-003Z	TACT SWITCH	VOL +	
S1753	QSW0619-003Z	TACT SWITCH	VOL -	
S1754	QSW0619-003Z	TACT SWITCH	CH +	
S1755	QSW0619-003Z	TACT SWITCH	CH-	
S1756	QSW0619-003Z	TACT SWITCH	MENU	
SF1101	QAX0723-001	SAW FILTER		
⚠SK1351	QNZ0536-001	CRT SOCKET		
⚠TH1901	QAD0129-3R0	P THERMISTOR	3Ω	
⚠TU1001	QAU0275-002	TUNER		
⚠VA1901	ERZV10V621CS	ZNR		
W1001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1412	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1728	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1729	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1815	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1836	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
X1701	QAX0717-001Z	CRYSTAL	8.000MHz	
Y1251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1854	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

[AV-27D304/SA]
MAIN PW BOARD ASS'Y (SFE-1021A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1101	M52342SP	IC		
IC1201	TM8812CPDNG4N35	IC(MCU)		
IC1251	TC90A49P	IC		
⚠IC1421	AN5522	IC		
IC1601	NJM2150AD	IC		
⚠IC1602	LA4446	IC		
IC1603	CXA2134Q-X	IC		
IC1702	AT24WC-27D304R	IC	(SERVICE)	
IC1703	S-80840CNY-T	IC		
IC1704	AN78L05-T	IC		
IC1751	GP1UM281QK	IR DETECT UNIT		
IC1851	TA1218AN	IC		
IC1901	STR-G5624A/F8	IC		
IC1921	AN7809F	IC		
IC1922	UPC7805AHF	IC		
Q1001	UN2212-X	DIGI TRANSISTOR		
Q1101	2SC5083/L-P/-T	TRANSISTOR		
Q1131	2SB709A/QR/-X	TRANSISTOR		
Q1161	2SD601A/QR/-X	TRANSISTOR		
Q1211	2SD601A/QR/-X	TRANSISTOR		
Q1232	2SD601A/QR/-X	TRANSISTOR		
Q1233	2SD601A/QR/-X	TRANSISTOR		
Q1251	2SD601A/QR/-X	TRANSISTOR		
Q1252	2SD601A/QR/-X	TRANSISTOR		
Q1281	2SB709A/QR/-X	TRANSISTOR		
Q1282	2SD601A/QR/-X	TRANSISTOR		
Q1283	2SB709A/QR/-X	TRANSISTOR		
Q1291	2SB709A/QR/-X	TRANSISTOR		
Q1292	2SD601A/QR/-X	TRANSISTOR		
Q1293	2SB709A/QR/-X	TRANSISTOR		
Q1301	2SC4544-LB	POW TRANSISTOR		
Q1311	2SC4544-LB	POW TRANSISTOR		
Q1321	2SC4544-LB	POW TRANSISTOR		
Q1331	2SD601A/QR/-X	TRANSISTOR		
Q1332	2SD601A/QR/-X	TRANSISTOR		
Q1352	2SD601A/QR/-X	TRANSISTOR		
Q1501	2SC4212/Z1/	TRANSISTOR		
⚠Q1521	2SD2634-YD	TRANSISTOR	H OUT	
Q1602	2SD601A/QR/-X	TRANSISTOR		
Q1681	2SD601A/QR/-X	TRANSISTOR		
Q1682	2SD601A/QR/-X	TRANSISTOR		
Q1683	2SD601A/QR/-X	TRANSISTOR		
Q1684	2SD601A/QR/-X	TRANSISTOR		
Q1701	2SB709A/QR/-X	TRANSISTOR		
Q1751	UN2112-X	DIGI TRANSISTOR		
Q1851	2SB709A/QR/-X	TRANSISTOR		
Q1921	2SD1383K/AB/-X	TRANSISTOR		
Q1922	2SC2785/JH/-T	SI TRANSISTOR		
Q1923	2SA1037AK/QR/-X	TRANSISTOR		
Q1924	2SA1208/ST/Z1-T	TRANSISTOR		
D1331	1SS133-T2	SI DIODE		
D1352	MTZJ9.1C-T2	Z.DIODE I M		
D1353	1SS133-T2	SI DIODE		
D1365	1SS133-T2	SI DIODE		
D1366	1SS133-T2	SI DIODE		
D1367	1SS133-T2	SI DIODE		
D1368	MTZJ5.1B-T2	Z DIODE		
D1369	MTZJ5.1B-T2	Z DIODE		
D1370	MTZJ5.1B-T2	Z DIODE		
D1401	1SR35-400A-T2	SI DIODE		
D1402	MTZJ75-T2	Z DIODE		
D1501	MTZJ3.3A-T2	Z DIODE		
D1521	1SR35-400A-T2	SI DIODE		
D1522	RH1S-T3	SI DIODE		
D1523	1SR35-400A-T2	SI DIODE		
D1524	RGP10J-5025-T3	SI DIODE		
D1525	MTZJ5.6A-T2	Z DIODE		
D1526	MA4068N/Z1/-T2	Z DIODE		
D1661	MTZJ9.1C-T2	Z.DIODE I M		
D1681	MTZJ9.1C-T2	Z.DIODE I M		
D1682	MTZJ9.1C-T2	Z.DIODE I M		
D1683	MTZJ9.1C-T2	Z.DIODE I M		
D1684	MTZJ9.1C-T2	Z.DIODE I M		
D1685	MTZJ9.1C-T2	Z.DIODE I M		
D1686	MTZJ9.1C-T2	Z.DIODE I M		
D1687	MTZJ9.1C-T2	Z.DIODE I M		
D1688	MTZJ9.1C-T2	Z.DIODE I M		
D1705	1SS133-T2	SI DIODE		
D1751	LG22440	LED	POWER / ON TIMER	
D1801	MTZJ9.1C-T2	Z.DIODE I M		
D1802	MTZJ9.1C-T2	Z.DIODE I M		
D1803	MTZJ9.1C-T2	Z.DIODE I M		
D1804	MTZJ9.1C-T2	Z.DIODE I M		
D1807	MTZJ9.1C-T2	Z.DIODE I M		
D1831	MTZJ9.1C-T2	Z.DIODE I M		
D1832	MTZJ9.1C-T2	Z.DIODE I M		
D1833	MTZJ9.1C-T2	Z.DIODE I M		
D1834	MTZJ9.1C-T2	Z.DIODE I M		
⚠D1901	GSIB460-S1	BRIDGE DIODE		
D1902	RGP10J-5025-T3	SI DIODE		
D1903	RGP10J-5025-T3	SI DIODE		
D1904	RGP10J-5025-T3	SI DIODE		
D1905	SARS01-T2	SI DIODE		
D1907	MA700A-T2	SB DIODE		
D1908	MTZJ15C-T2	Z DIODE		
D1921	1SR35-400A-T2	SI DIODE		
D1922	1SR35-400A-T2	SI DIODE		
D1923	1SR35-400A-T2	SI DIODE		
D1924	1SR35-400A-T2	SI DIODE		
D1925	1SS133-T2	SI DIODE		
D1926	RU3AM-LFC4	SI DIODE		
D1927	RU3YX-LFC4	SI DIODE		
D1928	RU3YX-LFC4	SI DIODE		
D1929	MTZJ7.5A-T2	Z DIODE		
D1930	1SS133-T2	SI DIODE		
D1931	1SS133-T2	SI DIODE		
D1932	MTZJ33B-T2	Z DIODE		
D1933	1N4002G-T2	SI DIODE		
C1001	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1003	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1004	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C1005	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1106	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1113	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1116	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C1117	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1118	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1119	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C1120	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C1124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1131	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1161	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1162	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1163	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1164	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1165	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1202	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1203	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C1211	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1221	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1222	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1223	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1233	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C1237	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1241	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1243	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1244	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1247	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1252	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1253	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1254	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C1261	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1262	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1263	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1264	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1265	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C1266	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1267	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1268	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1269	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1270	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1272	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1273	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1274	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C1275	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1276	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1277	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1278	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1283	NDC31HJ-330X	C CAPACITOR	33pF 50V J	

⚠Ref No.	Part No.	Part Name	Description	Local
C1293	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1302	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C1312	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C1322	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C1331	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1341	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
⚠C1343	QCZ0121-102	C CAPACITOR	1000pF 3KV	
C1352	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1361	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1362	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1401	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C1402	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1403	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	
C1404	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1405	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1406	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1407	QETN1VM-107Z	E CAPACITOR	100uF 35V M	
C1408	QCS32HJ-100Z	C CAPACITOR	10pF 500V J	
C1409	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K	
C1410	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K	
C1411	QETM1VM-228	E CAPACITOR	2200uF 35V M	
C1412	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1501	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1504	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1505	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C1506	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1508	QCB32HK-151Z	C CAPACITOR	150pF 500V K	
C1509	QCB32HK-331Z	C CAPACITOR	330pF 500V K	
C1510	QETN2EM-225Z	E CAPACITOR	2.2uF 250V M	
C1522	QFZ0198-133	MPP CAPACITOR	0.013uF 1.5V	
C1523	QFZ0199-564	MPP CAPACITOR	0.56uF 250V	
C1524	QCB32HK-561Z	C CAPACITOR	560pF 500V K	
C1525	QEZ0203-107	E CAPACITOR	100uF 160V M	
C1526	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J	
C1527	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C1528	QETN1VM-108Z	E CAPACITOR	1000uF 35V M	
C1529	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1530	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K	
C1601	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C1602	NCF31AZ-105X	C CAPACITOR	1uF 10V Z	
C1603	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C1604	NCB31HK-332X	C CAPACITOR	3300pF 50V K	
C1605	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C1606	NCB31HK-333X	C CAPACITOR	0.033uF 50V K	
C1607	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1608	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1609	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1610	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1614	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1616	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1617	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1618	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1619	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1620	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1622	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1623	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1624	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1625	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1626	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1627	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1651	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1652	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1653	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1654	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C1655	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C1656	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1657	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1658	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1659	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1660	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1662	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1663	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1664	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1665	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C1666	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C1667	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C1668	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1669	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1670	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1671	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1672	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1673	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C1674	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1675	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1676	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1677	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1681	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1682	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1683	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1684	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1685	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1686	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1687	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1688	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1689	QETN1CM-336Z	E CAPACITOR	33uF 16V M	
C1701	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1702	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1703	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1704	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1708	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C1709	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C1711	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1716	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1751	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1801	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1802	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1803	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1804	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1807	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1831	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1832	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1833	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1834	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1851	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1852	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1853	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1854	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1857	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1859	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1861	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1862	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
⚠C1901	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	
⚠C1902	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	
C1903	QEZ0561-477	E CAPACITOR	470uF 200V	
⚠C1904	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
⚠C1905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
C1907	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1908	QCZ0340-332	C CAPACITOR	3300pF 2kV K	
C1909	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C1910	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C1911	QFP32GJ-103Z	PP CAPACITOR	0.01uF 400V J	
C1921	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C1923	QEZ0203-107	E CAPACITOR	100uF 160V M	
C1924	QETN2CM-476Z	E CAPACITOR	47uF 160V M	
C1925	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C1926	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1927	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1929	QCZ0340-102	C CAPACITOR	1000pF 2kV K	
C1930	QCB32HK-102Z	C CAPACITOR	1000pF 500V K	
C1931	QCB32HK-102Z	C CAPACITOR	1000pF 500V K	
C1932	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
C1933	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1935	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C1940	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1941	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1942	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1943	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1944	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1945	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
⚠C1991	QCZ9074-103	C CAPACITOR	0.01uF 250V	
⚠C1992	QCZ9074-103	C CAPACITOR	0.01uF 250V	
R1003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1006	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1008	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R1101	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1103	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	
R1104	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J	
R1105	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1111	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R1112	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R1113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R1117	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R1131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1132	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1133	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1134	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1161	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1163	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1164	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1165	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1167	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1169	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1171	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1212	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1215	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1231	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1232	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1233	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1234	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1235	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1251	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1252	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1253	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1254	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R1255	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1256	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1261	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1263	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1264	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1282	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1283	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1285	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1286	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1287	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1288	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1292	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1293	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1295	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1296	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1297	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1301	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1302	QRL029J-123	OMF RESISTOR	12kΩ 2W J	
R1303	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K	
R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1305	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1311	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1312	QRL029J-123	OMF RESISTOR	12kΩ 2W J	
R1313	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K	
R1314	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1315	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1321	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1322	QRL029J-123	OMF RESISTOR	12kΩ 2W J	
R1323	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K	
R1324	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1325	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1326	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1331	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1333	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1354	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1356	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1360	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1364	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1365	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1366	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1401	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1402	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1407	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R1408	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R1409	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1411	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1412	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1414	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1416	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	
R1501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1502	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1504	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1505	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R1506	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1507	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1508	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1509	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1510	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1511	QRG029J-182	OMF RESISTOR	1.8kΩ 2W J	
R1512	QRG029J-182	OMF RESISTOR	1.8kΩ 2W J	
R1521	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	
R1522	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R1523	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J	
R1524	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J	
R1525	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R1526	QRK129J-150	UNF C RESISTOR	15Ω 1/2W J	
R1527	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1528	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1529	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J	
R1530	QRX029J-1R5	MF RESISTOR	1.5Ω 2W J	
R1531	NRZ0032-7151X	CMF RESISTOR	7.15kΩ	
R1533	NRZ0032-2941X	CMF RESISTOR	2.94kΩ	
R1541	QRE121J-683Y	C RESISTOR	68kΩ 1/2W J	
R1601	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1602	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1603	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1604	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1607	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1609	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1614	QRL039J-100	OMF RESISTOR	10Ω 3W J	
R1615	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1616	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1617	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1618	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1619	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1620	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1621	QRE121J-4R7Y	C RESISTOR	4.7Ω 1/2W J	
R1622	QRE121J-4R7Y	C RESISTOR	4.7Ω 1/2W J	
R1625	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1627	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1631	QRX029J-3R3	MF RESISTOR	3.3Ω 2W J	
R1651	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1652	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1653	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R1654	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1655	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1656	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1657	NRSA63F-623X	MG RESISTOR	62kΩ 1/16W F	
R1658	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1659	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R1661	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1662	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1663	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1664	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1665	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1667	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1681	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1682	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1683	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1684	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1685	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1686	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1687	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1688	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1691	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1692	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1701	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1703	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1714	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1718	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1720	QRJ149J-1R0	UNF C RESISTOR	1Ω 1/4W J	
R1721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1739	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1740	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1752	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1753	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1754	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1755	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1756	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1757	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1758	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1764	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1765	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1766	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1767	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1768	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1769	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1770	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1771	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1773	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1774	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1775	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1776	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1778	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1801	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R1802	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1803	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1804	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1805	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1821	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R1831	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1832	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1833	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1834	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1835	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1836	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1851	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1852	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1853	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1854	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1855	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1856	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1857	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1858	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1859	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1862	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1863	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
⚠R1901	QRF074K-R47	UNF WW RESISTOR	0.47Ω 7W K	
R1902	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R1903	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R1904	QRT029J-R22	MF RESISTOR	0.22Ω 2W J	
R1905	QRT029J-R22	MF RESISTOR	0.22Ω 2W J	
R1906	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J	
R1907	QRE121J-472Y	C RESISTOR	4.7kΩ 1/2W J	
R1908	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J	
R1910	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J	
R1911	QRG01GJ-470	OMF RESISTOR	47Ω 1W J	
R1922	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1923	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1924	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1925	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1926	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J	
R1927	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J	
R1928	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J	
R1929	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J	
R1930	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R1932	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1933	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1934	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R1935	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R1936	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1938	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1939	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1941	QRG029J-180	OMF RESISTOR	18Ω 2W J	
R1942	QRE121J-5R6Y	C RESISTOR	5.6Ω 1/2W J	
R1943	QRE121J-820Y	C RESISTOR	82Ω 1/2W J	
⚠R1991	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K	

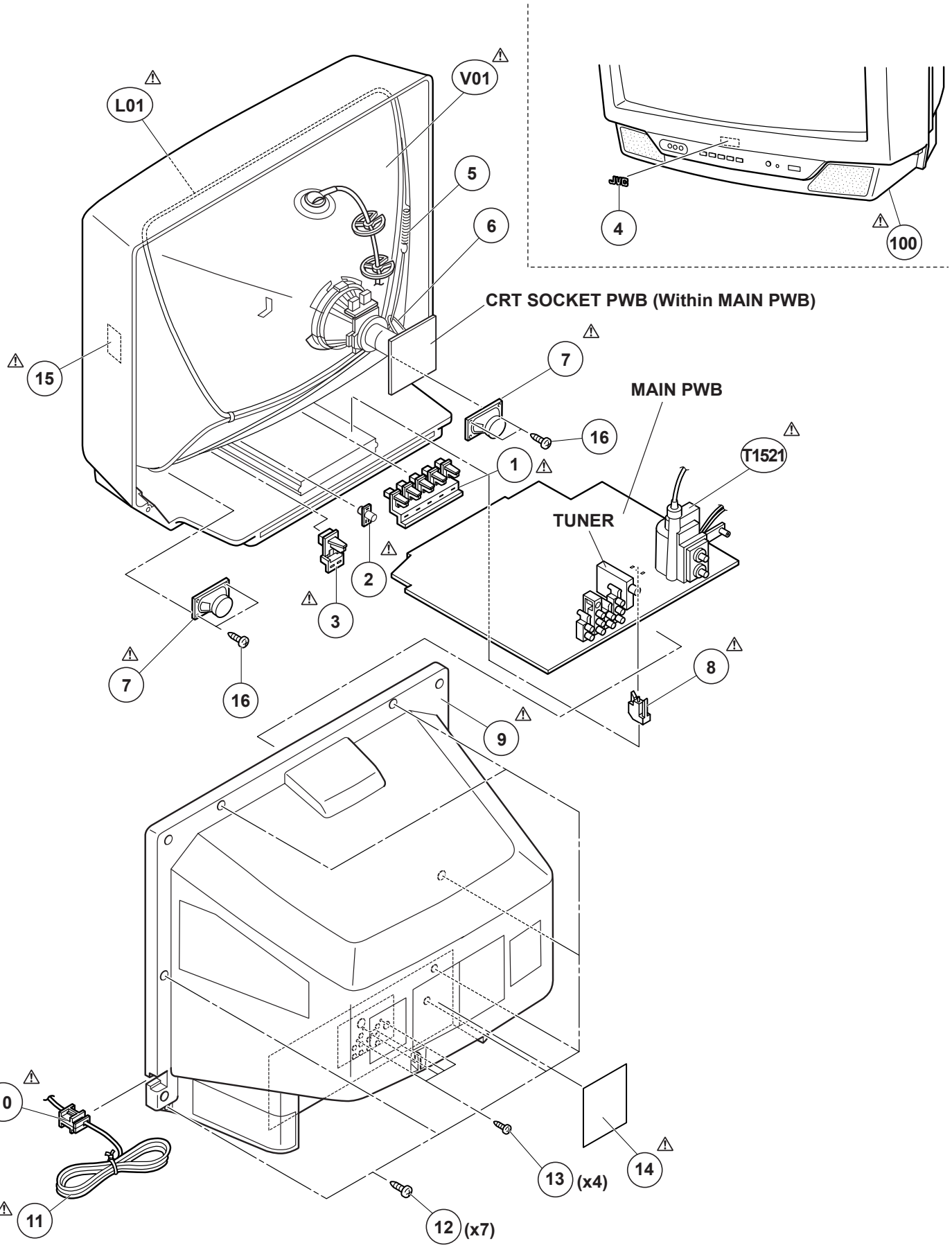
⚠Ref No.	Part No.	Part Name	Description	Local
L1101	QQLZ014-R39	COIL	0.39uH 100mA L	
L1131	QQL244K-220Z	COIL	22uH K	
L1161	QQL244K-220Z	COIL	22uH K	
L1232	QQL244K-560Z	COIL	56uH K	
L1251	QQL244K-4R7Z	COIL	4.7uH K	
L1281	QQL244K-150Z	COIL	15uH K	
L1291	QQL244K-150Z	COIL	15uH K	
L1341	QQL03BJ-390Z	P COIL	39uH J	
L1521	QQR1027-004	LINEARITY COIL		
L1921	QQL26AK-470Z	COIL	47uH K	
L1922	QQL26AK-470Z	COIL	47uH K	
T1111	QQR0907-001	IFT		
T1501	CE42034-002	HOR DRIVE TRANS		
⚠T1901	QQT0355-001	POWER TRANSF		
⚠T1921	QQS0158-001	SW TRANSF		
CF1001	QAX0349-001	C TRAP		
CF1131	QAX0639-001Z	C TRAP	4.500MHz	
CF1161	QAX0642-001Z	C FILTER	4.500MHz	
CN100C	QGA2501F1-06	CONNECTOR	W-B (1-6)	
CN100S	QGA2501C5-04Z	CONNECTOR	W-B (1-4)	
CN100T	CHGC05-480	CONNECTOR WIRE		
CN100U	CHGC04-400	CONNECTOR ASSY		
CN10B1	CH41169-R03Y	EH POST HEADER		
CN10E1	CHGT0015-0B	CONNECTOR ASSY		
CN10HV	QGZ5004C1-06	CONNECTOR	(1-6)	
⚠CN1DEG	QGA7901C1-02	CONNECTOR	W-B (1-2)	
CN1HHS	CH41169-R03Y	EH POST HEADER		
⚠F1901	QMF51N1-5R0-J5	FUSE	5A AC125V	
⚠FC1901	CEMG002-001Z	FUSE CLIP	(x2)	
⚠H1002	LC30381-001A	HEAT SINK/FE-P/		
⚠H1602	CEHE014-001WU	HEAT SINK		
⚠HS1004	LC31696-001A	HEAT SINK/AL-F/		
⚠HS1009	LC31678-001A	HEAT SINK/AL-F/		
J1001	QNZ0454-001	AV JACK	S / V / L / R IN	
J1002	QNN0348-001	PIN JACK	L / R OUT	
J1003	QNN0349-002	PIN JACK	V / L / R IN	
J1004	QNN0348-001	PIN JACK	L / R IN	
J1005	CEMN065-001	PIN JACK	V IN	
J1006	CEMN065-002	PIN JACK	L IN	
J1007	CEMN072-003	PIN JACK	R IN	
K1001	QQR0582-001Z	FERRITE BEADS		
K1101	QQR0582-001Z	FERRITE BEADS		
K1251	QQR0582-001Z	FERRITE BEADS		
K1253	QQR0582-001Z	FERRITE BEADS		
K1254	QQR0582-001Z	FERRITE BEADS		
K1401	QQR0582-001Z	FERRITE BEADS		
K1701	QQR0582-001Z	FERRITE BEADS		
K1702	QQR0582-001Z	FERRITE BEADS		
K1901	QQR0582-001Z	FERRITE BEADS		
K1902	QQR0582-001Z	FERRITE BEADS		
K1903	QQR0582-001Z	FERRITE BEADS		
K1904	QQR0582-001Z	FERRITE BEADS		
K1921	QQR0582-001Z	FERRITE BEADS		
K1922	QQR0582-001Z	FERRITE BEADS		
K1923	QQR0582-001Z	FERRITE BEADS		
⚠LF1901	QQR0527-003	LINE FILTER		
⚠RY1901	QSK0085-001	RELAY		
S1401	QSL4A13-C02	LEVER SWITCH	V. CENTER	
S1751	QSW0619-003Z	TACT SWITCH	POWER	
S1752	QSW0619-003Z	TACT SWITCH	VOL +	
S1753	QSW0619-003Z	TACT SWITCH	VOL -	
S1754	QSW0619-003Z	TACT SWITCH	CH +	
S1755	QSW0619-003Z	TACT SWITCH	CH-	
S1756	QSW0619-003Z	TACT SWITCH	MENU	
SF1101	QAX0723-001	SAW FILTER		
⚠SK1351	QNZ0536-001	CRT SOCKET		
⚠TH1901	QAD0129-3R0	P THERMISTOR	3Ω	
⚠TU1001	QAU0275-002	TUNER		
⚠VA1901	ERZV10V621CS	ZNR		
W1001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1412	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1728	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1729	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1815	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1836	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
X1701	QAX0717-001Z	CRYSTAL	8.000MHz	
Y1251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1854	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

[AV-27430 / AV-27432]

EXPLODED VIEW PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
⚠	V01	A68ADT25X01	ITC	Included Dr. PC magnet	AV-27430/RA,AV-27432/RA
⚠	V01	A68QDN891X001	ITC	Included Dr. PC magnet	AV-27430/SA,AV-27432/SA
⚠	L01	CE41329-00DJB	DEG COIL		AV-27430/RA,AV-27432/RA
⚠	L01	QQW0134-001	DEG COIL		AV-27430/SA,AV-27432/SA
⚠	T1521	QQH0129-001	FB TRANSF		
⚠	1	LC30271-001A-A	CONTROL KNOB		AV-27430/RA,AV-27430/SA
⚠	1	LC30271-004A-A	CONTROL KNOB		AV-27432/RA,AV-27432/SA
⚠	2	LC30191-001C-A	REMOCON LENS		
⚠	3	LC30376-001A-A	POWER KNOB		AV-27430/RA,AV-27430/SA
⚠	3	LC30376-004A-A	POWER KNOB		AV-27432/RA,AV-27432/SA
	4	CM48006-006-C	JVC MARK		AV-27430/RA,AV-27430/SA
	4	CM48006-007-C	JVC MARK		AV-27432/RA,AV-27432/SA
	5	CHGB0016-0C	BRAIDED ASSY		
	6	CHGB0015-0B	BRAIDED ASSY		
⚠	7	QAS0054-001	SPEAKER	(x2)SP01,02	
⚠	8	CM48144-001-A	PB STOPPER		
⚠	9	LC10082-005A-A	REAR COVER		AV-27430/RA,AV-27430/SA
⚠	9	LC10082-003A-A	REAR COVER		AV-27432/RA,AV-27432/SA
⚠	10	LC20106-001D-A	POWER CORD CLAMP		
⚠	11	QMPD390-200-JS	POWER CORD(US/CA)	2m BLACK	
	12	QYSBSFG4016Z	TAP SCREW	4mm x 16mm(x7)	
	13	QYSBSB3010Z	TAP SCREW	3mm x 10mm(x4)	
⚠	14	LC31139-001A-A	RATING LABEL		
⚠	15	GQ30034-001B-A	WARNING LABEL		
	16	QYSBSB4012Z	TAP SCREW	4mm x 12mm(x4)	
⚠	100	LC10081-004B-A	FRONT CABINET		AV-27430/RA,AV-27430/SA
⚠	100	LC10081-008A-A	FRONT CABINET		AV-27432/RA,AV-27432/SA

EXPLODED VIEW



PRINTED WIRING BOARD PARTS LIST

[AV-27430/RA]
MAIN PW BOARD ASS'Y (SFE1028A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1101	M52342SP	IC		
IC1201	TM8812CPDNG4N35	IC(MCU)		
IC1251	TC90A49P	IC		
⚠IC1421	AN5522	IC		
⚠IC1602	LA4446	IC		
IC1603	CXA2134Q-X	IC		
IC1702	AT24WC-27430R	IC	(SERVICE)	
IC1703	S-80840CNY-T	IC		
IC1704	AN78L05-T	IC		
IC1751	GP1UM281QK	IR DETECT UNIT		
IC1851	TA1218AN	IC		
IC1901	STR-G5624A/F8	IC		
IC1921	AN7809F	IC		
IC1922	UPC7805AHF	IC		
Q1001	UN2212-X	DIGI TRANSISTOR		
Q1101	2SC5083/L-P/-T	TRANSISTOR		
Q1131	2SB709A/QR/-X	TRANSISTOR		
Q1161	2SD601A/QR/-X	TRANSISTOR		
Q1211	2SD601A/QR/-X	TRANSISTOR		
Q1232	2SD601A/QR/-X	TRANSISTOR		
Q1233	2SD601A/QR/-X	TRANSISTOR		
Q1251	2SD601A/QR/-X	TRANSISTOR		
Q1252	2SD601A/QR/-X	TRANSISTOR		
Q1281	2SB709A/QR/-X	TRANSISTOR		
Q1282	2SD601A/QR/-X	TRANSISTOR		
Q1283	2SB709A/QR/-X	TRANSISTOR		
Q1291	2SB709A/QR/-X	TRANSISTOR		
Q1292	2SD601A/QR/-X	TRANSISTOR		
Q1293	2SB709A/QR/-X	TRANSISTOR		
Q1301	2SC4544-LB	POW TRANSISTOR		
Q1311	2SC4544-LB	POW TRANSISTOR		
Q1321	2SC4544-LB	POW TRANSISTOR		
Q1331	2SD601A/QR/-X	TRANSISTOR		
Q1332	2SD601A/QR/-X	TRANSISTOR		
Q1352	2SD601A/QR/-X	TRANSISTOR		
Q1501	2SC4212/Z1/	TRANSISTOR		
⚠Q1521	2SD2634-YD	TRANSISTOR	H OUT	
Q1602	2SD601A/QR/-X	TRANSISTOR		
Q1681	2SD601A/QR/-X	TRANSISTOR		
Q1682	2SD601A/QR/-X	TRANSISTOR		
Q1683	2SD601A/QR/-X	TRANSISTOR		
Q1684	2SD601A/QR/-X	TRANSISTOR		
Q1701	2SB709A/QR/-X	TRANSISTOR		
Q1751	UN2112-X	DIGI TRANSISTOR		
Q1851	2SB709A/QR/-X	TRANSISTOR		
Q1921	2SD1383K/AB/-X	TRANSISTOR		
Q1922	2SC2785/JH/-T	SI TRANSISTOR		
Q1923	2SA1037AK/QR/-X	TRANSISTOR		
Q1924	2SA1208/ST/Z1-T	TRANSISTOR		
D1331	1SS133-T2	SI DIODE		
D1352	MTZJ9.1C-T2	Z.DIODE I M		
D1353	1SS133-T2	SI DIODE		
D1365	1SS133-T2	SI DIODE		
D1366	1SS133-T2	SI DIODE		
D1367	1SS133-T2	SI DIODE		
D1368	MTZJ5.1B-T2	Z DIODE		
D1369	MTZJ5.1B-T2	Z DIODE		
D1370	MTZJ5.1B-T2	Z DIODE		
D1401	1SR35-400A-T2	SI DIODE		
D1402	MTZJ75-T2	Z DIODE		
D1501	MTZJ3.3A-T2	Z DIODE		
D1521	1SR35-400A-T2	SI DIODE		
D1522	RH1S-T3	SI DIODE		
D1523	1SR35-400A-T2	SI DIODE		
D1524	RGP10J-5025-T3	SI DIODE		
D1525	MTZJ5.6A-T2	Z DIODE		
D1526	MA4068N/Z1/-T2	Z DIODE		
D1661	MTZJ9.1C-T2	Z.DIODE I M		
D1681	MTZJ9.1C-T2	Z.DIODE I M		
D1682	MTZJ9.1C-T2	Z.DIODE I M		
D1683	MTZJ9.1C-T2	Z.DIODE I M		
D1684	MTZJ9.1C-T2	Z.DIODE I M		
D1685	MTZJ9.1C-T2	Z.DIODE I M		
D1686	MTZJ9.1C-T2	Z.DIODE I M		
D1687	MTZJ9.1C-T2	Z.DIODE I M		
D1688	MTZJ9.1C-T2	Z.DIODE I M		
D1705	1SS133-T2	SI DIODE		
D1751	LG22440	LED	POWER / ON TIMER	
D1801	MTZJ9.1C-T2	Z.DIODE I M		
D1802	MTZJ9.1C-T2	Z.DIODE I M		
D1803	MTZJ9.1C-T2	Z.DIODE I M		
D1804	MTZJ9.1C-T2	Z.DIODE I M		
D1807	MTZJ9.1C-T2	Z.DIODE I M		
D1831	MTZJ9.1C-T2	Z.DIODE I M		
D1834	MTZJ9.1C-T2	Z.DIODE I M		
⚠D1901	GSIB460-S1	BRIDGE DIODE		
D1902	RGP10J-5025-T3	SI DIODE		
D1903	RGP10J-5025-T3	SI DIODE		
D1904	RGP10J-5025-T3	SI DIODE		
D1905	SARS01-T2	SI DIODE		
D1907	MA700A-T2	SB DIODE		
D1908	MTZJ15C-T2	Z DIODE		
D1921	1SR35-400A-T2	SI DIODE		
D1922	1SR35-400A-T2	SI DIODE		
D1923	1SR35-400A-T2	SI DIODE		
D1924	1SR35-400A-T2	SI DIODE		
D1925	1SS133-T2	SI DIODE		
D1926	RU3AM-LFC4	SI DIODE		
D1927	RU3YX-LFC4	SI DIODE		
D1928	RU3YX-LFC4	SI DIODE		
D1929	MTZJ7.5A-T2	Z DIODE		
D1930	1SS133-T2	SI DIODE		
D1931	1SS133-T2	SI DIODE		
D1932	MTZJ33B-T2	Z DIODE		
D1933	1N4002G-T2	SI DIODE		
C1001	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1003	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1004	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C1005	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1106	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1113	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1116	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C1117	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1118	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1119	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C1120	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C1124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1131	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1161	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1162	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1163	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1164	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1165	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1202	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1203	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C1211	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1221	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1222	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1223	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1233	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C1237	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1241	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1243	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1244	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1247	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1252	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1253	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1254	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C1261	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1262	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1263	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1264	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1265	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C1266	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1267	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1268	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1269	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1270	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1272	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1273	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1274	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C1275	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1276	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	

⚠Ref No.	Part No.	Part Name	Description	Local
C1277	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1278	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1283	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1293	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1302	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C1312	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C1322	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C1331	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1341	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
⚠C1343	QCZ0121-102	C CAPACITOR	1000pF 3KV	
C1352	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1361	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1362	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1401	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C1402	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1403	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	
C1404	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1405	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1406	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1407	QETN1VM-107Z	E CAPACITOR	100uF 35V M	
C1408	QCS32HJ-100Z	C CAPACITOR	10pF 500V J	
C1409	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K	
C1410	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K	
C1411	QETM1VM-228	E CAPACITOR	2200uF 35V M	
C1412	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1501	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1504	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1505	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C1506	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1508	QCB32HK-151Z	C CAPACITOR	150pF 500V K	
C1509	QCB32HK-331Z	C CAPACITOR	330pF 500V K	
C1510	QETN2EM-225Z	E CAPACITOR	2.2uF 250V M	
C1522	QFZ0198-123	MPP CAPACITOR	0.012uF 1.5KV	
C1523	QFZ0199-564	MPP CAPACITOR	0.56uF 250V	
C1524	QCB32HK-561Z	C CAPACITOR	560pF 500V K	
C1525	QEZ0203-107	E CAPACITOR	100uF 160V M	
C1526	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J	
C1527	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C1528	QETN1VM-108Z	E CAPACITOR	1000uF 35V M	
C1529	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1530	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K	
C1614	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1616	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1617	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1618	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1619	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1620	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1622	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1623	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1624	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1625	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1626	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1627	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1651	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1652	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1653	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1654	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C1655	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C1656	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1657	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1658	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1659	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1660	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1662	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1663	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1664	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1665	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C1666	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C1667	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C1668	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1669	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1670	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1671	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1672	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1673	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C1674	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1675	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1676	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1677	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1681	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1682	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1683	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1684	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1685	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1686	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1687	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1688	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1689	QETN1CM-336Z	E CAPACITOR	33uF 16V M	
C1701	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1702	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1703	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1704	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1708	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C1709	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C1711	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1716	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1751	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1801	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1802	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1803	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1804	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1807	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1831	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1834	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1835	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1836	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1837	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1851	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1852	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1853	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1854	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1857	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1859	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1861	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1862	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
⚠C1901	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	
⚠C1902	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	
C1903	QEZ0561-477	E CAPACITOR	470uF 200V	
⚠C1904	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
⚠C1905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
C1907	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1908	QCZ0340-332	C CAPACITOR	3300pF 2kV K	
C1909	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C1910	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C1911	QFP32GJ-103Z	PP CAPACITOR	0.01uF 400V J	
C1921	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C1923	QEZ0203-107	E CAPACITOR	100uF 160V M	
C1924	QETN2CM-476Z	E CAPACITOR	47uF 160V M	
C1925	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C1926	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1927	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1929	QCZ0340-102	C CAPACITOR	1000pF 2kV K	
C1930	QCB32HK-102Z	C CAPACITOR	1000pF 500V K	
C1931	QCB32HK-102Z	C CAPACITOR	1000pF 500V K	
C1932	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
C1933	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1935	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C1940	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1941	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1942	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1943	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1944	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1945	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
⚠C1991	QCZ9074-103	C CAPACITOR	0.01uF 250V	
⚠C1992	QCZ9074-103	C CAPACITOR	0.01uF 250V	
R1003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1006	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1008	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R1101	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1103	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	
R1104	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J	
R1105	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R1111	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R1112	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R1113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R1117	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1132	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1133	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1134	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1161	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1163	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1164	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1165	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1167	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1169	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1171	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1212	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1215	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1231	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1232	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1233	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1234	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1235	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1251	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1252	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1253	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1254	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R1255	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1256	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1261	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1263	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1264	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1282	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1283	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1285	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1286	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1287	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1288	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1292	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1293	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1295	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1296	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1297	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1301	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1302	QRL029J-123	OMF RESISTOR	12kΩ 2W J	
R1303	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K	
R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1305	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1311	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1312	QRL029J-123	OMF RESISTOR	12kΩ 2W J	
R1313	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K	
R1314	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1315	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1321	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1322	QRL029J-123	OMF RESISTOR	12kΩ 2W J	
R1323	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K	
R1324	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1325	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1326	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1331	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1333	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1354	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1356	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1360	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1364	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1365	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1366	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1401	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1402	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1407	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R1408	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R1409	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1411	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1412	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1414	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1416	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1502	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1504	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1505	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R1506	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1507	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1508	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1509	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1510	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1511	QRG029J-182	OMF RESISTOR	1.8kΩ 2W J	
R1512	QRG029J-182	OMF RESISTOR	1.8kΩ 2W J	
R1521	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	
R1522	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R1523	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J	
R1524	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J	
R1525	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R1526	QRK129J-150	UNF C RESISTOR	15Ω 1/2W J	
R1527	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1528	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1529	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J	
R1530	QRX029J-1R5	MF RESISTOR	1.5Ω 2W J	
R1531	NRZ0032-7151X	CMF RESISTOR	7.15kΩ	
R1533	NRZ0032-2941X	CMF RESISTOR	2.94kΩ	
R1541	QRE121J-683Y	C RESISTOR	68kΩ 1/2W J	
R1614	QRL039J-100	OMF RESISTOR	10Ω 3W J	
R1615	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1616	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1617	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1618	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1619	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1620	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1621	QRE121J-4R7Y	C RESISTOR	4.7Ω 1/2W J	
R1622	QRE121J-4R7Y	C RESISTOR	4.7Ω 1/2W J	
R1625	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1627	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1631	QRX029J-3R3	MF RESISTOR	3.3Ω 2W J	
R1651	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1652	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1653	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R1654	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1655	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1656	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1657	NRSA63F-623X	MG RESISTOR	62kΩ 1/16W F	
R1658	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1659	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R1661	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1662	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1663	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1664	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1665	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1667	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1681	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1682	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1683	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1684	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1685	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1686	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1687	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1688	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1691	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1692	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1701	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1703	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1714	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1718	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1720	QRJ149J-1R0	UNF C RESISTOR	1Ω 1/4W J	
R1721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1739	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1740	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1752	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1753	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1754	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1755	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1756	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1757	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1758	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1764	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1765	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1766	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1767	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1768	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1769	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1770	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1771	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1773	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1774	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1775	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1776	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1778	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1801	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R1802	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1803	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1804	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1805	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1821	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R1831	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1851	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1852	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1853	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1854	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1855	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1856	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1857	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1858	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1859	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1862	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1863	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
⚠R1901	QRF074K-R47	UNF WW RESISTOR	0.47Ω 7W K	
R1902	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R1903	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R1904	QRT029J-R22	MF RESISTOR	0.22Ω 2W J	
R1905	QRT029J-R22	MF RESISTOR	0.22Ω 2W J	
R1906	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J	
R1907	QRE121J-472Y	C RESISTOR	4.7kΩ 1/2W J	
R1908	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J	
R1910	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J	
R1911	QRG01GJ-470	OMF RESISTOR	47Ω 1W J	
R1922	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1923	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1924	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1925	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1926	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J	
R1927	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J	
R1928	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J	
R1929	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J	
R1930	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R1932	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1933	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1934	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R1935	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R1936	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1938	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1939	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1941	QRG029J-180	OMF RESISTOR	18Ω 2W J	
R1942	QRE121J-5R6Y	C RESISTOR	5.6Ω 1/2W J	
R1943	QRE121J-820Y	C RESISTOR	82Ω 1/2W J	
⚠R1991	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K	
L1101	QQLZ014-R39	COIL	0.39uH 100mA L	
L1131	QQL244K-220Z	COIL	22uH K	
L1161	QQL244K-220Z	COIL	22uH K	
L1232	QQL244K-560Z	COIL	56uH K	
L1251	QQL244K-4R7Z	COIL	4.7uH K	
L1281	QQL244K-150Z	COIL	15uH K	
L1291	QQL244K-150Z	COIL	15uH K	
L1341	QQL03BJ-390Z	P COIL	39uH J	
L1521	QQR1027-004	LINEARITY COIL		
L1921	QQL26AK-470Z	COIL	47uH K	
L1922	QQL26AK-470Z	COIL	47uH K	
T1111	QQR0907-001	IFT		
T1501	CE42034-002	HOR DRIVE TRANS		
⚠T1901	QQT0355-001	POWER TRANSF		
⚠T1921	QQS0158-001	SW TRANSF		
CF1001	QAX0349-001	C TRAP		
CF1131	QAX0639-001Z	C TRAP	4.500MHz	
CF1161	QAX0642-001Z	C FILTER	4.500MHz	
CN100C	QGA2501F1-06	CONNECTOR	W-B (1-6)	
CN100S	QGA2501C5-04Z	CONNECTOR	W-B (1-4)	
CN100T	CHGC05-480	CONNECTOR WIRE		
CN100U	CHGC04-400	CONNECTOR ASSY		
CN10B1	CH41169-R03Y	EH POST HEADER		
CN10E1	CHGT0015-0B	CONNECTOR ASSY		
CN10HV	QGZ5004C1-06	CONNECTOR	(1-6)	
⚠CN1DEG	QGA7901C1-02	CONNECTOR	W-B (1-2)	
CN1HHS	CH41169-R03Y	EH POST HEADER		
⚠F1901	QMF51N1-5R0-J5	FUSE	5A AC125V	
⚠FC1901	CEMG002-001Z	FUSE CLIP	(x2)	
⚠H1002	LC30381-001A	HEAT SINK/FE-P/		
⚠H1602	CEHE014-001WU	HEAT SINK		
⚠HS1004	LC31696-001A	HEAT SINK/AL-F/		
⚠HS1009	LC31678-001A	HEAT SINK/AL-F/		
J1001	QNZ0454-001	AV JACK	S / V / L / R IN	
J1002	QNN0348-001	PIN JACK	L / R OUT	
J1003	QNN0349-001	PIN JACK	V / L / R IN	
J1005	CEMN065-001	PIN JACK	L / R IN	
J1006	CEMN065-002	PIN JACK	V IN	
J1007	CEMN072-003	PIN JACK	L IN	
K1001	QQR0582-001Z	FERRITE BEADS	R IN	
K1101	QQR0582-001Z	FERRITE BEADS		
K1251	QQR0582-001Z	FERRITE BEADS		
K1253	QQR0582-001Z	FERRITE BEADS		
K1254	QQR0582-001Z	FERRITE BEADS		
K1401	QQR0582-001Z	FERRITE BEADS		
K1701	QQR0582-001Z	FERRITE BEADS		
K1702	QQR0582-001Z	FERRITE BEADS		
K1901	QQR0582-001Z	FERRITE BEADS		
K1902	QQR0582-001Z	FERRITE BEADS		
K1903	QQR0582-001Z	FERRITE BEADS		
K1904	QQR0582-001Z	FERRITE BEADS		
K1921	QQR0582-001Z	FERRITE BEADS		
K1922	QQR0582-001Z	FERRITE BEADS		
K1923	QQR0582-001Z	FERRITE BEADS		
⚠LF1901	QQR0527-003	LINE FILTER		
⚠RY1901	QSK0085-001	RELAY		
S1401	QSL4A13-C02	LEVER SWITCH	V. CENTER	
S1751	QSW0619-003Z	TACT SWITCH	POWER	
S1752	QSW0619-003Z	TACT SWITCH	VOL +	
S1753	QSW0619-003Z	TACT SWITCH	VOL -	
S1754	QSW0619-003Z	TACT SWITCH	CH +	
S1755	QSW0619-003Z	TACT SWITCH	CH-	
S1756	QSW0619-003Z	TACT SWITCH	MENU	
SF1101	QAX0723-001	SAW FILTER		
⚠SK1351	QNZ0536-001	CRT SOCKET		
⚠TH1901	QAD0129-3R0	P THERMISTOR	3Ω	
⚠TU1001	QAU0275-002	TUNER		
⚠VA1901	ERZV10V621CS	ZNR		
W1001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1412	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1728	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1729	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1815	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1836	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
X1701	QAX0717-001Z	CRYSTAL	8.000MHz	
Y1251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1854	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

[AV-27430/SA]
MAIN PW BOARD ASS'Y (SFE-1027A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1101	M52342SP	IC		
IC1201	TM8812CPDNG4N35	IC(MCU)		
IC1251	TC90A49P	IC		
⚠IC1421	AN5522	IC		
⚠IC1602	LA4446	IC		
IC1603	CXA2134Q-X	IC		
IC1702	AT24WC-27430R	IC	(SERVICE)	
IC1703	S-80840CNY-T	IC		
IC1704	AN78L05-T	IC		
IC1751	GP1UM281QK	IR DETECT UNIT		
IC1851	TA1218AN	IC		
IC1901	STR-G5624A/F8	IC		
IC1921	AN7809F	IC		
IC1922	UPC7805AHF	IC		
Q1001	UN2212-X	DIGI TRANSISTOR		
Q1101	2SC5083/L-P/-T	TRANSISTOR		
Q1131	2SB709A/QR/-X	TRANSISTOR		
Q1161	2SD601A/QR/-X	TRANSISTOR		
Q1211	2SD601A/QR/-X	TRANSISTOR		
Q1232	2SD601A/QR/-X	TRANSISTOR		
Q1233	2SD601A/QR/-X	TRANSISTOR		
Q1251	2SD601A/QR/-X	TRANSISTOR		
Q1252	2SD601A/QR/-X	TRANSISTOR		
Q1281	2SB709A/QR/-X	TRANSISTOR		
Q1282	2SD601A/QR/-X	TRANSISTOR		
Q1283	2SB709A/QR/-X	TRANSISTOR		
Q1291	2SB709A/QR/-X	TRANSISTOR		
Q1292	2SD601A/QR/-X	TRANSISTOR		
Q1293	2SB709A/QR/-X	TRANSISTOR		
Q1301	2SC4544-LB	POW TRANSISTOR		
Q1311	2SC4544-LB	POW TRANSISTOR		
Q1321	2SC4544-LB	POW TRANSISTOR		
Q1331	2SD601A/QR/-X	TRANSISTOR		
Q1332	2SD601A/QR/-X	TRANSISTOR		
Q1352	2SD601A/QR/-X	TRANSISTOR		
Q1501	2SC4212/Z1/	TRANSISTOR		
⚠Q1521	2SD2634-YD	TRANSISTOR	H OUT	
Q1602	2SD601A/QR/-X	TRANSISTOR		
Q1681	2SD601A/QR/-X	TRANSISTOR		
Q1682	2SD601A/QR/-X	TRANSISTOR		
Q1683	2SD601A/QR/-X	TRANSISTOR		
Q1684	2SD601A/QR/-X	TRANSISTOR		
Q1701	2SB709A/QR/-X	TRANSISTOR		
Q1751	UN2112-X	DIGI TRANSISTOR		
Q1851	2SB709A/QR/-X	TRANSISTOR		
Q1921	2SD1383K/AB/-X	TRANSISTOR		
Q1922	2SC2785/JH/-T	SI TRANSISTOR		
Q1923	2SA1037AK/QR/-X	TRANSISTOR		
Q1924	2SA1208/ST/Z1-T	TRANSISTOR		
D1331	1SS133-T2	SI DIODE		
D1352	MTZJ9.1C-T2	Z.DIODE I M		
D1353	1SS133-T2	SI DIODE		
D1365	1SS133-T2	SI DIODE		
D1366	1SS133-T2	SI DIODE		
D1367	1SS133-T2	SI DIODE		
D1368	MTZJ5.1B-T2	Z DIODE		
D1369	MTZJ5.1B-T2	Z DIODE		
D1370	MTZJ5.1B-T2	Z DIODE		
D1401	1SR35-400A-T2	SI DIODE		
D1402	MTZJ75-T2	Z DIODE		
D1501	MTZJ3.3A-T2	Z DIODE		
D1521	1SR35-400A-T2	SI DIODE		
D1522	RH1S-T3	SI DIODE		
D1523	1SR35-400A-T2	SI DIODE		
D1524	RGP10J-5025-T3	SI DIODE		
D1525	MTZJ5.6A-T2	Z DIODE		
D1526	MA4068N/Z1/-T2	Z DIODE		
D1661	MTZJ9.1C-T2	Z.DIODE I M		
D1681	MTZJ9.1C-T2	Z.DIODE I M		
D1682	MTZJ9.1C-T2	Z.DIODE I M		
D1683	MTZJ9.1C-T2	Z.DIODE I M		
D1684	MTZJ9.1C-T2	Z.DIODE I M		
D1685	MTZJ9.1C-T2	Z.DIODE I M		
D1686	MTZJ9.1C-T2	Z.DIODE I M		
D1687	MTZJ9.1C-T2	Z.DIODE I M		
D1688	MTZJ9.1C-T2	Z.DIODE I M		
D1705	1SS133-T2	SI DIODE		
D1751	LG22440	LED	POWER / ON TIMER	
D1801	MTZJ9.1C-T2	Z.DIODE I M		
D1802	MTZJ9.1C-T2	Z.DIODE I M		
D1803	MTZJ9.1C-T2	Z.DIODE I M		
D1804	MTZJ9.1C-T2	Z.DIODE I M		
D1807	MTZJ9.1C-T2	Z.DIODE I M		
D1831	MTZJ9.1C-T2	Z.DIODE I M		
D1834	MTZJ9.1C-T2	Z.DIODE I M		
⚠D1901	GSIB460-S1	BRIDGE DIODE		
D1902	RGP10J-5025-T3	SI DIODE		
D1903	RGP10J-5025-T3	SI DIODE		
D1904	RGP10J-5025-T3	SI DIODE		
D1905	SARS01-T2	SI DIODE		
D1907	MA700A-T2	SB DIODE		
D1908	MTZJ15C-T2	Z DIODE		
D1921	1SR35-400A-T2	SI DIODE		
D1922	1SR35-400A-T2	SI DIODE		
D1923	1SR35-400A-T2	SI DIODE		
D1924	1SR35-400A-T2	SI DIODE		
D1925	1SS133-T2	SI DIODE		
D1926	RU3AM-LFC4	SI DIODE		
D1927	RU3YX-LFC4	SI DIODE		
D1928	RU3YX-LFC4	SI DIODE		
D1929	MTZJ7.5A-T2	Z DIODE		
D1930	1SS133-T2	SI DIODE		
D1931	1SS133-T2	SI DIODE		
D1932	MTZJ33B-T2	Z DIODE		
D1933	1N4002G-T2	SI DIODE		
C1001	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1003	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1004	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C1005	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1106	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1113	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1116	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C1117	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1118	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1119	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C1120	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C1124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1131	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1161	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1162	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1163	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1164	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1165	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1202	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1203	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C1211	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1221	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1222	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1223	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1233	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C1237	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1241	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1243	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1244	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1247	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1252	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1253	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1254	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C1261	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1262	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1263	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1264	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1265	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C1266	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1267	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1268	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1269	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1270	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1272	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1273	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1274	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C1275	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1276	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1277	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1278	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1283	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1293	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1302	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C1312	NDC31HJ-271X	C CAPACITOR	270pF 50V J	

⚠Ref No.	Part No.	Part Name	Description Local
C1322	NDC31HJ-271X	C CAPACITOR	270pF 50V J
C1331	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1341	QETN1CM-107Z	E CAPACITOR	100uF 16V M
⚠C1343	QCZ0121-102	C CAPACITOR	1000pF 3KV
C1352	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1361	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1362	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1401	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J
C1402	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C1403	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M
C1404	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C1405	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1406	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C1407	QETN1VM-107Z	E CAPACITOR	100uF 35V M
C1408	QCS32HJ-100Z	C CAPACITOR	10pF 500V J
C1409	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K
C1410	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K
C1411	QETM1VM-228	E CAPACITOR	2200uF 35V M
C1412	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C1501	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1504	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M
C1505	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1506	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1508	QCB32HK-151Z	C CAPACITOR	150pF 500V K
C1509	QCB32HK-331Z	C CAPACITOR	330pF 500V K
C1510	QETN2EM-225Z	E CAPACITOR	2.2uF 250V M
C1522	QFZ0198-133	MPP CAPACITOR	0.013uF 1.5KV
C1523	QFZ0199-564	MPP CAPACITOR	0.56uF 250V
C1524	QCB32HK-561Z	C CAPACITOR	560pF 500V K
C1525	QEZ0203-107	E CAPACITOR	100uF 160V M
C1526	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J
C1527	QETN2EM-106Z	E CAPACITOR	10uF 250V M
C1528	QETN1VM-108Z	E CAPACITOR	1000uF 35V M
C1529	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C1530	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K
C1614	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1616	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1617	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C1618	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1619	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1620	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1622	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1623	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C1624	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1625	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1626	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z
C1627	QETN1CM-227Z	E CAPACITOR	220uF 16V M
C1651	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1652	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1653	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1654	NCB31HK-562X	C CAPACITOR	5600pF 50V K
C1655	NCB31HK-123X	C CAPACITOR	0.012uF 50V K
C1656	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1657	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1658	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1659	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1660	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1662	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1663	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M
C1664	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1665	NCB31HK-272X	C CAPACITOR	2700pF 50V K
C1666	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
C1667	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M
C1668	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1669	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1670	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1671	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1672	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1673	NCB31HK-223X	C CAPACITOR	0.022uF 50V K
C1674	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1675	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M
C1676	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1677	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1681	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1682	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1683	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1684	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1685	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1686	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1687	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1688	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1689	QETN1CM-336Z	E CAPACITOR	33uF 16V M

⚠Ref No.	Part No.	Part Name	Description Local
C1701	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C1702	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1703	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1704	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1708	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C1709	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C1711	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1716	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1751	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1801	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1802	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1803	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1804	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1807	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1831	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1834	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1835	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1836	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1837	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1851	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1852	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1853	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1854	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1857	QETN1HM-106Z	E CAPACITOR	10uF 50V M
C1858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1859	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1861	QETN1EM-476Z	E CAPACITOR	47uF 25V M
C1862	QETN1HM-106Z	E CAPACITOR	10uF 50V M
⚠C1901	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
⚠C1902	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K
C1903	QEZ0561-477	E CAPACITOR	470uF 200V
⚠C1904	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
⚠C1905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z
C1907	QETN1HM-476Z	E CAPACITOR	47uF 50V M
C1908	QCZ0340-332	C CAPACITOR	3300pF 2kV K
C1909	NCB31HK-182X	C CAPACITOR	1800pF 50V K
C1910	NDC31HJ-471X	C CAPACITOR	470pF 50V J
C1911	QFP32GJ-103Z	PP CAPACITOR	0.01uF 400V J
C1921	QETN1EM-477Z	E CAPACITOR	470uF 25V M
C1923	QEZ0203-107	E CAPACITOR	100uF 160V M
C1924	QETN2CM-476Z	E CAPACITOR	47uF 160V M
C1925	QETN1CM-108Z	E CAPACITOR	1000uF 16V M
C1926	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1927	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1929	QCZ0340-102	C CAPACITOR	1000pF 2kV K
C1930	QCB32HK-102Z	C CAPACITOR	1000pF 500V K
C1931	QCB32HK-102Z	C CAPACITOR	1000pF 500V K
C1932	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M
C1933	QETN1VM-476Z	E CAPACITOR	47uF 35V M
C1935	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C1940	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1941	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1942	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1943	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1944	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1945	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
⚠C1991	QCZ9074-103	C CAPACITOR	0.01uF 250V
⚠C1992	QCZ9074-103	C CAPACITOR	0.01uF 250V
R1003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1006	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1008	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J
R1101	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1103	QRE121J-101Y	C RESISTOR	100Ω 1/2W J
R1104	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J
R1105	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J
R1111	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J
R1112	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J
R1113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1117	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R1131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1132	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1133	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R1134	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1161	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R1163	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1164	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1165	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1167	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1169	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1171	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1212	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1215	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1231	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R1232	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R1233	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1234	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1235	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1251	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1252	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1253	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1254	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R1255	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1256	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1261	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1263	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1264	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R1282	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1283	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R1285	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1286	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1287	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1288	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1292	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1293	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1295	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1296	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1297	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1301	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1302	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R1303	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K
R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1305	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1311	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1312	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R1313	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K
R1314	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1315	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1321	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R1322	QRL029J-123	OMF RESISTOR	12kΩ 2W J
R1323	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K
R1324	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1325	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1326	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1331	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1333	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1354	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1356	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1360	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R1364	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1365	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1366	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1401	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1402	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1407	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
R1408	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
R1409	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
R1411	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1412	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1414	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1416	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J
R1501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1502	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1504	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R1505	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R1506	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1507	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
R1508	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1509	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1510	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R1511	QRG029J-182	OMF RESISTOR	1.8kΩ 2W J
R1512	QRG029J-182	OMF RESISTOR	1.8kΩ 2W J
R1521	QRE121J-220Y	C RESISTOR	22Ω 1/2W J
R1522	QRE121J-681Y	C RESISTOR	680Ω 1/2W J
R1523	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J
R1524	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J
R1525	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J
R1526	QRK129J-150	UNF C RESISTOR	15Ω 1/2W J
R1527	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
R1528	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R1529	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J
R1530	QRX029J-1R5	MF RESISTOR	1.5Ω 2W J
R1531	NRZ0032-7151X	CMF RESISTOR	7.15kΩ
R1533	NRZ0032-2941X	CMF RESISTOR	2.94kΩ
R1541	QRE121J-683Y	C RESISTOR	68kΩ 1/2W J
R1614	QRL039J-100	OMF RESISTOR	10Ω 3W J
R1615	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1616	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1617	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1618	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1619	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1620	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1621	QRE121J-4R7Y	C RESISTOR	4.7Ω 1/2W J
R1622	QRE121J-4R7Y	C RESISTOR	4.7Ω 1/2W J
R1625	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1627	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1631	QRX029J-3R3	MF RESISTOR	3.3Ω 2W J
R1651	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1652	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1653	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R1654	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1655	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1656	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1657	NRSA63F-623X	MG RESISTOR	62kΩ 1/16W F
R1658	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R1659	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J
R1661	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R1662	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1663	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1664	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1665	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1667	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1681	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1682	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R1683	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1684	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1685	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1686	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1687	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1688	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R1691	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1692	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1701	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1703	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1714	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1718	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1720	QRJ149J-1R0	UNF C RESISTOR	1Ω 1/4W J
R1721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
R1731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R1739	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1740	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1752	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1753	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R1754	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R1755	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R1756	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R1757	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1758	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1764	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1765	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R1766	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1767	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R1768	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R1769	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1770	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1771	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1773	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1774	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1775	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1776	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1778	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1801	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J
R1802	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1803	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1804	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1805	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1821	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J
R1831	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1851	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1852	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1853	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1854	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1855	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R1856	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1857	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1858	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1859	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1862	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1863	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
⚠R1901	QRF074K-R47	UNF WW RESISTOR	0.47Ω 7W K
R1902	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R1903	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R1904	QRT029J-R22	MF RESISTOR	0.22Ω 2W J
R1905	QRT029J-R22	MF RESISTOR	0.22Ω 2W J
R1906	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J
R1907	QRE121J-472Y	C RESISTOR	4.7kΩ 1/2W J
R1908	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J
R1910	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J
R1911	QRG01GJ-470	OMF RESISTOR	47Ω 1W J
R1922	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1923	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R1924	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
R1925	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J
R1926	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J
R1927	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J
R1928	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J
R1929	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J
R1930	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
R1932	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1933	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R1934	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R1935	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1936	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R1938	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R1939	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J
R1941	QRG029J-180	OMF RESISTOR	18Ω 2W J
R1942	QRE121J-5R6Y	C RESISTOR	5.6Ω 1/2W J
R1943	QRE121J-820Y	C RESISTOR	82Ω 1/2W J
⚠R1991	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K
L1101	QQLZ014-R39	COIL	0.39uH 100mA L
L1131	QQL244K-220Z	COIL	22uH K
L1161	QQL244K-220Z	COIL	22uH K
L1232	QQL244K-560Z	COIL	56uH K
L1251	QQL244K-4R7Z	COIL	4.7uH K
L1281	QQL244K-150Z	COIL	15uH K
L1291	QQL244K-150Z	COIL	15uH K
L1341	QQL03BJ-390Z	P COIL	39uH J
L1521	QQR1027-004	LINEARITY COIL	
L1921	QQL26AK-470Z	COIL	47uH K
L1922	QQL26AK-470Z	COIL	47uH K
T1111	QQR0907-001	IFT	
T1501	CE42034-002	HOR DRIVE TRANS	
⚠T1901	QQT0355-001	POWER TRANSF	
⚠T1921	QQS0158-001	SW TRANSF	
CF1001	QAX0349-001	C TRAP	
CF1131	QAX0639-001Z	C TRAP	4.500MHz
CF1161	QAX0642-001Z	C FILTER	4.500MHz
CN100C	QGA2501F1-06	CONNECTOR	W-B (1-6)
CN100S	QGA2501C5-04Z	CONNECTOR	W-B (1-4)
CN100T	CHGC05-480	CONNECTOR WIRE	
CN100U	CHGC04-400	CONNECTOR ASSY	

⚠Ref No.	Part No.	Part Name	Description Local
CN10B1	CH41169-R03Y	EH POST HEADER	
CN10E1	CHGT0015-0B	CONNECTOR ASSY	
CN10HV	QGZ5004C1-06	CONNECTOR	(1-6)
⚠CN1DEG	QGA7901C1-02	CONNECTOR	W-B (1-2)
CN1HHS	CH41169-R03Y	EH POST HEADER	
⚠F1901	QMF51N1-5R0-J5	FUSE	5A AC125V
⚠FC1901	CEMG002-001Z	FUSE CLIP	(x2)
⚠H1002	LC30381-001A	HEAT SINK/FE-P/	
⚠H1602	CEHE014-001WU	HEAT SINK	
⚠HS1004	LC31696-001A	HEAT SINK/AL-F/	
⚠HS1009	LC31678-001A	HEAT SINK/AL-F/	
J1001	QNZ0454-001	AV JACK	S / V / L / R IN
J1002	QNN0348-001	PIN JACK	L / R OUT
J1003	QNN0349-001	PIN JACK	V / L / R IN
J1005	CEMN065-001	PIN JACK	L / R IN
J1006	CEMN065-002	PIN JACK	V IN
J1007	CEMN072-003	PIN JACK	L IN
K1001	QQR0582-001Z	FERRITE BEADS	R IN
K1101	QQR0582-001Z	FERRITE BEADS	
K1251	QQR0582-001Z	FERRITE BEADS	
K1253	QQR0582-001Z	FERRITE BEADS	
K1254	QQR0582-001Z	FERRITE BEADS	
K1401	QQR0582-001Z	FERRITE BEADS	
K1701	QQR0582-001Z	FERRITE BEADS	
K1702	QQR0582-001Z	FERRITE BEADS	
K1901	QQR0582-001Z	FERRITE BEADS	
K1902	QQR0582-001Z	FERRITE BEADS	
K1903	QQR0582-001Z	FERRITE BEADS	
K1904	QQR0582-001Z	FERRITE BEADS	
K1921	QQR0582-001Z	FERRITE BEADS	
K1922	QQR0582-001Z	FERRITE BEADS	
K1923	QQR0582-001Z	FERRITE BEADS	
⚠LF1901	QQR0527-003	LINE FILTER	
⚠RY1901	QSK0085-001	RELAY	
S1401	QSL4A13-C02	LEVER SWITCH	V. CENTER
S1751	QSW0619-003Z	TACT SWITCH	POWER
S1752	QSW0619-003Z	TACT SWITCH	VOL +
S1753	QSW0619-003Z	TACT SWITCH	VOL -
S1754	QSW0619-003Z	TACT SWITCH	CH +
S1755	QSW0619-003Z	TACT SWITCH	CH-
S1756	QSW0619-003Z	TACT SWITCH	MENU
SF1101	QAX0723-001	SAW FILTER	
⚠SK1351	QNZ0536-001	CRT SOCKET	
⚠TH1901	QAD0129-3R0	P THERMISTOR	3Ω
⚠TU1001	QAU0275-002	TUNER	
⚠VA1901	ERZV10V621CS	ZNR	
W1001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
W1002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
W1412	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
W1728	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
W1729	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
W1801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
W1802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
W1815	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
W1836	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
X1701	QAX0717-001Z	CRYSTAL	8.000MHz
Y1251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
Y1501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
Y1601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
Y1602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
Y1605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
Y1854	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J

[AV-27432/RA]
MAIN PW BOARD ASS'Y (SFE-1030A-M2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC1101	M52342SP	IC		
IC1201	TM8812CPDNG4N35	IC(MCU)		
IC1251	TC90A49P	IC		
⚠IC1421	AN5522	IC		
⚠IC1602	LA4446	IC		
IC1603	CXA2134Q-X	IC		
IC1702	AT24WC-27430R	IC	(SERVICE)	
IC1703	S-80840CNY-T	IC		
IC1704	AN78L05-T	IC		
IC1751	GP1UM281QK	IR DETECT UNIT		
IC1851	TA1218AN	IC		
IC1901	STR-G5624A/F8	IC		
IC1921	AN7809F	IC		
IC1922	UPC7805AHF	IC		
Q1001	UN2212-X	DIGI TRANSISTOR		
Q1101	2SC5083/L-P/-T	TRANSISTOR		
Q1131	2SB709A/QR/-X	TRANSISTOR		
Q1161	2SD601A/QR/-X	TRANSISTOR		
Q1211	2SD601A/QR/-X	TRANSISTOR		
Q1232	2SD601A/QR/-X	TRANSISTOR		
Q1233	2SD601A/QR/-X	TRANSISTOR		
Q1251	2SD601A/QR/-X	TRANSISTOR		
Q1252	2SD601A/QR/-X	TRANSISTOR		
Q1281	2SB709A/QR/-X	TRANSISTOR		
Q1282	2SD601A/QR/-X	TRANSISTOR		
Q1283	2SB709A/QR/-X	TRANSISTOR		
Q1291	2SB709A/QR/-X	TRANSISTOR		
Q1292	2SD601A/QR/-X	TRANSISTOR		
Q1293	2SB709A/QR/-X	TRANSISTOR		
Q1301	2SC4544-LB	POW TRANSISTOR		
Q1311	2SC4544-LB	POW TRANSISTOR		
Q1321	2SC4544-LB	POW TRANSISTOR		
Q1331	2SD601A/QR/-X	TRANSISTOR		
Q1332	2SD601A/QR/-X	TRANSISTOR		
Q1352	2SD601A/QR/-X	TRANSISTOR		
Q1501	2SC4212/Z1/	TRANSISTOR		
⚠Q1521	2SD2634-YD	TRANSISTOR	H OUT	
Q1602	2SD601A/QR/-X	TRANSISTOR		
Q1681	2SD601A/QR/-X	TRANSISTOR		
Q1682	2SD601A/QR/-X	TRANSISTOR		
Q1683	2SD601A/QR/-X	TRANSISTOR		
Q1684	2SD601A/QR/-X	TRANSISTOR		
Q1701	2SB709A/QR/-X	TRANSISTOR		
Q1751	UN2112-X	DIGI TRANSISTOR		
Q1851	2SB709A/QR/-X	TRANSISTOR		
Q1921	2SD1383K/AB/-X	TRANSISTOR		
Q1922	2SC2785/JH/-T	SI TRANSISTOR		
Q1923	2SA1037AK/QR/-X	TRANSISTOR		
Q1924	2SA1208/ST/Z1-T	TRANSISTOR		
D1331	1SS133-T2	SI DIODE		
D1352	MTZJ9.1C-T2	Z.DIODE I M		
D1353	1SS133-T2	SI DIODE		
D1365	1SS133-T2	SI DIODE		
D1366	1SS133-T2	SI DIODE		
D1367	1SS133-T2	SI DIODE		
D1368	MTZJ5.1B-T2	Z DIODE		
D1369	MTZJ5.1B-T2	Z DIODE		
D1370	MTZJ5.1B-T2	Z DIODE		
D1401	1SR35-400A-T2	SI DIODE		
D1402	MTZJ75-T2	Z DIODE		
D1501	MTZJ3.3A-T2	Z DIODE		
D1521	1SR35-400A-T2	SI DIODE		
D1522	RH1S-T3	SI DIODE		
D1523	1SR35-400A-T2	SI DIODE		
D1524	RGP10J-5025-T3	SI DIODE		
D1525	MTZJ5.6A-T2	Z DIODE		
D1526	MA4068N/Z1/-T2	Z DIODE		
D1661	MTZJ9.1C-T2	Z.DIODE I M		
D1681	MTZJ9.1C-T2	Z.DIODE I M		
D1682	MTZJ9.1C-T2	Z.DIODE I M		
D1683	MTZJ9.1C-T2	Z.DIODE I M		
D1684	MTZJ9.1C-T2	Z.DIODE I M		
D1685	MTZJ9.1C-T2	Z.DIODE I M		
D1686	MTZJ9.1C-T2	Z.DIODE I M		
D1687	MTZJ9.1C-T2	Z.DIODE I M		
D1688	MTZJ9.1C-T2	Z.DIODE I M		
D1705	1SS133-T2	SI DIODE		
D1751	LG22440	LED	POWER / ON TIMER	
D1801	MTZJ9.1C-T2	Z.DIODE I M		
D1802	MTZJ9.1C-T2	Z.DIODE I M		
D1803	MTZJ9.1C-T2	Z.DIODE I M		
D1804	MTZJ9.1C-T2	Z.DIODE I M		
D1807	MTZJ9.1C-T2	Z.DIODE I M		
D1831	MTZJ9.1C-T2	Z.DIODE I M		
D1832	MTZJ9.1C-T2	Z DIODE		
D1833	MTZJ9.1C-T2	Z DIODE		
D1834	MTZJ9.1C-T2	Z.DIODE I M		
⚠D1901	GSIB460-S1	BRIDGE DIODE		
D1902	RGP10J-5025-T3	SI DIODE		
D1903	RGP10J-5025-T3	SI DIODE		
D1904	RGP10J-5025-T3	SI DIODE		
D1905	SARS01-T2	SI DIODE		
D1907	MA700A-T2	SB DIODE		
D1908	MTZJ15C-T2	Z DIODE		
D1921	1SR35-400A-T2	SI DIODE		
D1922	1SR35-400A-T2	SI DIODE		
D1923	1SR35-400A-T2	SI DIODE		
D1924	1SR35-400A-T2	SI DIODE		
D1925	1SS133-T2	SI DIODE		
D1926	RU3AM-LFC4	SI DIODE		
D1927	RU3YX-LFC4	SI DIODE		
D1928	RU3YX-LFC4	SI DIODE		
D1929	MTZJ7.5A-T2	Z DIODE		
D1930	1SS133-T2	SI DIODE		
D1931	1SS133-T2	SI DIODE		
D1932	MTZJ33B-T2	Z DIODE		
D1933	1N4002G-T2	SI DIODE		
C1001	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1003	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1004	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C1005	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1106	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1113	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1116	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C1117	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1118	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1119	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C1120	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C1124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1131	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1161	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1162	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1163	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1164	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1165	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1202	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1203	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C1211	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1221	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1222	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1223	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1233	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C1237	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1241	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1243	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1244	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1247	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1252	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1253	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1254	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C1261	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1262	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1263	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1264	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1265	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C1266	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1267	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1268	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1269	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1270	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1272	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1273	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1274	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C1275	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1276	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1277	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1278	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1283	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1293	NDC31HJ-470X	C CAPACITOR	47pF 50V J	

⚠Ref No.	Part No.	Part Name	Description	Local
C1302	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C1312	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C1322	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C1331	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1341	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
⚠C1343	QCZ0121-102	C CAPACITOR	1000pF 3KV	
C1352	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1361	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1362	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1401	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C1402	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1403	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	
C1404	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1405	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1406	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1407	QETN1VM-107Z	E CAPACITOR	100uF 35V M	
C1408	QCS32HJ-100Z	C CAPACITOR	10pF 500V J	
C1409	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K	
C1410	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K	
C1411	QETM1VM-228	E CAPACITOR	2200uF 35V M	
C1412	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1501	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1504	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1505	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C1506	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1508	QCB32HK-151Z	C CAPACITOR	150pF 500V K	
C1509	QCB32HK-331Z	C CAPACITOR	330pF 500V K	
C1510	QETN2EM-225Z	E CAPACITOR	2.2uF 250V M	
C1522	QFZ0198-123	MPP CAPACITOR	0.012uF 1.5KV	
C1523	QFZ0199-564	MPP CAPACITOR	0.56uF 250V	
C1524	QCB32HK-561Z	C CAPACITOR	560pF 500V K	
C1525	QEZ0203-107	E CAPACITOR	100uF 160V M	
C1526	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J	
C1527	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C1528	QETN1VM-108Z	E CAPACITOR	1000uF 35V M	
C1529	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1530	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K	
C1614	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1616	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1617	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1618	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1619	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1620	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1622	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1623	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1624	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1625	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1626	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1627	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1651	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1652	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1653	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1654	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C1655	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C1656	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1657	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1658	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1659	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1660	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1662	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1663	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1664	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1665	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C1666	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C1667	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C1668	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1669	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1670	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1671	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1672	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1673	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C1674	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1675	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1676	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1677	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1681	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1682	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1683	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1684	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1685	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1686	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1687	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1688	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1689	QETN1CM-336Z	E CAPACITOR	33uF 16V M	
C1701	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1702	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1703	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1704	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1708	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C1709	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C1711	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1716	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1751	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1801	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1802	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1803	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1804	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1807	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1831	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1832	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1833	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1834	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1851	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1852	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1853	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1854	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1857	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1859	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1861	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1862	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
⚠C1901	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	
⚠C1902	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	
C1903	QEZ0561-477	E CAPACITOR	470uF 200V	
⚠C1904	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
⚠C1905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
C1907	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1908	QCZ0340-332	C CAPACITOR	3300pF 2kV K	
C1909	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C1910	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C1911	QFP32GJ-103Z	PP CAPACITOR	0.01uF 400V J	
C1921	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C1923	QEZ0203-107	E CAPACITOR	100uF 160V M	
C1924	QETN2CM-476Z	E CAPACITOR	47uF 160V M	
C1925	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C1926	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1927	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1929	QCZ0340-102	C CAPACITOR	1000pF 2kV K	
C1930	QCB32HK-102Z	C CAPACITOR	1000pF 500V K	
C1931	QCB32HK-102Z	C CAPACITOR	1000pF 500V K	
C1932	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
C1933	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1935	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C1940	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1941	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1942	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1943	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1944	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1945	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
⚠C1991	QCZ9074-103	C CAPACITOR	0.01uF 250V	
⚠C1992	QCZ9074-103	C CAPACITOR	0.01uF 250V	
R1003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1006	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1008	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R1101	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1103	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	
R1104	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J	
R1105	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R1111	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R1112	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R1113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R1117	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R1131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1132	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1133	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1134	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1161	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1163	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1164	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1165	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1167	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1169	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1171	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1212	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1215	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1231	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1232	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1233	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1234	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1235	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1251	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1252	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1253	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1254	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R1255	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1256	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1261	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1263	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1264	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1282	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1283	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1285	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1286	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1287	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1288	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1292	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1293	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1295	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1296	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1297	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1301	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1302	QRL029J-123	OMF RESISTOR	12kΩ 2W J	
R1303	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K	
R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1305	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1311	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1312	QRL029J-123	OMF RESISTOR	12kΩ 2W J	
R1313	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K	
R1314	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1315	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1321	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1322	QRL029J-123	OMF RESISTOR	12kΩ 2W J	
R1323	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K	
R1324	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1325	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1326	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1331	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1333	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1354	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1356	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1360	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1364	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1365	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1366	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1401	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1402	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1407	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R1408	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R1409	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1411	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1412	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1414	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1416	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	
R1501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1502	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1504	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1505	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R1506	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1507	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1508	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1509	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1510	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1511	QRG029J-182	OMF RESISTOR	1.8kΩ 2W J	
R1512	QRG029J-182	OMF RESISTOR	1.8kΩ 2W J	
R1521	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	
R1522	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R1523	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J	
R1524	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J	
R1525	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R1526	QRK129J-150	UNF C RESISTOR	15Ω 1/2W J	
R1527	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1528	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1529	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J	
R1530	QRX029J-1R5	MF RESISTOR	1.5Ω 2W J	
R1531	NRZ0032-7151X	CMF RESISTOR	7.15kΩ	
R1533	NRZ0032-2941X	CMF RESISTOR	2.94kΩ	
R1541	QRE121J-683Y	C RESISTOR	68kΩ 1/2W J	
R1614	QRL039J-100	OMF RESISTOR	10Ω 3W J	
R1615	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1616	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1617	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1618	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1619	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1620	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1621	QRE121J-4R7Y	C RESISTOR	4.7Ω 1/2W J	
R1622	QRE121J-4R7Y	C RESISTOR	4.7Ω 1/2W J	
R1625	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1627	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1631	QRX029J-3R3	MF RESISTOR	3.3Ω 2W J	
R1651	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1652	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1653	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R1654	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1655	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1656	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1657	NRSA63F-623X	MG RESISTOR	62kΩ 1/16W F	
R1658	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1659	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R1661	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1662	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1663	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1664	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1665	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1667	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1681	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1682	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1683	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1684	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1685	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1686	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1687	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1688	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1691	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1692	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1701	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1703	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1714	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1718	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1720	QRJ149J-1R0	UNF C RESISTOR	1Ω 1/4W J	
R1721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1739	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1740	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1752	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1753	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1754	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1755	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1756	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1757	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1758	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1764	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1765	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1766	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1767	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1768	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1769	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1770	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1771	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1773	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1774	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1775	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1776	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1778	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1801	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R1802	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1803	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1804	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1805	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1821	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R1831	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1832	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1833	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1834	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1835	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1836	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1851	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1852	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1853	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1854	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1855	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1856	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1857	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1858	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1859	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1862	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1863	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
⚠R1901	QRF074K-R47	UNF WW RESISTOR	0.47Ω 7W K	
R1902	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R1903	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R1904	QRT029J-R22	MF RESISTOR	0.22Ω 2W J	
R1905	QRT029J-R22	MF RESISTOR	0.22Ω 2W J	
R1906	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J	
R1907	QRE121J-472Y	C RESISTOR	4.7kΩ 1/2W J	
R1908	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J	
R1910	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J	
R1911	QRG01GJ-470	OMF RESISTOR	47Ω 1W J	
R1922	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1923	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1924	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1925	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1926	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J	
R1927	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J	
R1928	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J	
R1929	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J	
R1930	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R1932	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1933	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1934	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R1935	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R1936	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1938	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1939	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1941	QRG029J-180	OMF RESISTOR	18Ω 2W J	
R1942	QRE121J-5R6Y	C RESISTOR	5.6Ω 1/2W J	
R1943	QRE121J-820Y	C RESISTOR	82Ω 1/2W J	
⚠R1991	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K	
L1101	QQLZ014-R39	COIL	0.39uH 100mA L	
L1131	QQL244K-220Z	COIL	22uH K	
L1161	QQL244K-220Z	COIL	22uH K	
L1232	QQL244K-560Z	COIL	56uH K	
L1251	QQL244K-4R7Z	COIL	4.7uH K	
L1281	QQL244K-150Z	COIL	15uH K	
L1291	QQL244K-150Z	COIL	15uH K	
L1341	QQL03BJ-390Z	P COIL	39uH J	
L1521	QQR1027-004	LINEARITY COIL		
L1921	QQL26AK-470Z	COIL	47uH K	
L1922	QQL26AK-470Z	COIL	47uH K	
T1111	QQR0907-001	IFT		
T1501	CE42034-002	HOR DRIVE TRANS		
⚠T1901	QQT0355-001	POWER TRANSF		
⚠T1921	QQS0158-001	SW TRANSF		
CF1001	QAX0349-001	C TRAP		
CF1131	QAX0639-001Z	C TRAP	4.500MHz	
CF1161	QAX0642-001Z	C FILTER	4.500MHz	
CN100C	QGA2501F1-06	CONNECTOR	W-B (1-6)	
CN100S	QGA2501C5-04Z	CONNECTOR	W-B (1-4)	
CN100T	CHGC05-480	CONNECTOR WIRE		
CN100U	CHGC04-400	CONNECTOR ASSY		
CN10B1	CH41169-R03Y	EH POST HEADER		
CN10E1	CHGT0015-0B	CONNECTOR ASSY		
CN10HV	QGZ5004C1-06	CONNECTOR	(1-6)	
⚠CN1DEG	QGA7901C1-02	CONNECTOR	W-B (1-2)	
CN1HHS	CH41169-R03Y	EH POST HEADER		
⚠F1901	QMF51N1-5R0-J5	FUSE	5A AC125V	
⚠FC1901	CEMG002-001Z	FUSE CLIP	(x2)	
⚠H1002	LC30381-001A	HEAT SINK/FE-P/		
⚠H1602	CEHE014-001WU	HEAT SINK		
⚠HS1004	LC31696-001A	HEAT SINK/AL-F/		
⚠HS1009	LC31678-001A	HEAT SINK/AL-F/		
J1001	QNZ0454-001	AV JACK	S / V / L / R IN	
J1002	QNN0348-001	PIN JACK	L / R OUT	
J1003	QNN0349-002	PIN JACK	V / L / R IN	
J1004	QNN0348-001	PIN JACK	L / R IN	
J1005	CEMN065-001	PIN JACK	V IN	
J1006	CEMN065-002	PIN JACK	L IN	
J1007	CEMN072-003	PIN JACK	R IN	
K1001	QQR0582-001Z	FERRITE BEADS		
K1101	QQR0582-001Z	FERRITE BEADS		
K1251	QQR0582-001Z	FERRITE BEADS		
K1253	QQR0582-001Z	FERRITE BEADS		
K1254	QQR0582-001Z	FERRITE BEADS		
K1401	QQR0582-001Z	FERRITE BEADS		
K1701	QQR0582-001Z	FERRITE BEADS		
K1702	QQR0582-001Z	FERRITE BEADS		
K1901	QQR0582-001Z	FERRITE BEADS		
K1902	QQR0582-001Z	FERRITE BEADS		
K1903	QQR0582-001Z	FERRITE BEADS		
K1904	QQR0582-001Z	FERRITE BEADS		
K1921	QQR0582-001Z	FERRITE BEADS		
K1922	QQR0582-001Z	FERRITE BEADS		
K1923	QQR0582-001Z	FERRITE BEADS		
⚠LF1901	QQR0527-003	LINE FILTER		
⚠RY1901	QSK0085-001	RELAY		
S1401	QSL4A13-C02	LEVER SWITCH	V. CENTER	
S1751	QSW0619-003Z	TACT SWITCH	POWER	
S1752	QSW0619-003Z	TACT SWITCH	VOL +	
S1753	QSW0619-003Z	TACT SWITCH	VOL -	
S1754	QSW0619-003Z	TACT SWITCH	CH +	
S1755	QSW0619-003Z	TACT SWITCH	CH-	
S1756	QSW0619-003Z	TACT SWITCH	MENU	
SF1101	QAX0723-001	SAW FILTER		
⚠SK1351	QNZ0536-001	CRT SOCKET		
⚠TH1901	QAD0129-3R0	P THERMISTOR	3Ω	
⚠TU1001	QAU0275-002	TUNER		
⚠VA1901	ERZV10V621CS	ZNR		
W1001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1412	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1728	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1729	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1815	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1836	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
X1701	QAX0717-001Z	CRYSTAL	8.000MHz	
Y1251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1854	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

[AV-27432/SA]
MAIN PW BOARD ASS'Y (SFE-1029A-M2)

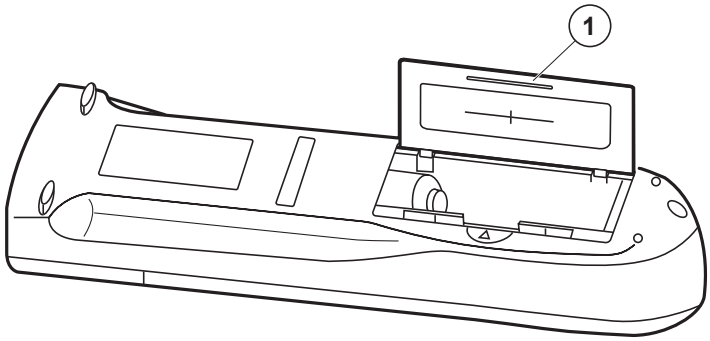
⚠Ref No.	Part No.	Part Name	Description	Local
IC1101	M52342SP	IC		
IC1201	TM8812CPDNG4N35	IC(MCU)		
IC1251	TC90A49P	IC		
⚠IC1421	AN5522	IC		
⚠IC1602	LA4446	IC		
IC1603	CXA2134Q-X	IC		
IC1702	AT24WC-27430R	IC	(SERVICE)	
IC1703	S-80840CNY-T	IC		
IC1704	AN78L05-T	IC		
IC1751	GP1UM281QK	IR DETECT UNIT		
IC1851	TA1218AN	IC		
IC1901	STR-G5624A/F8	IC		
IC1921	AN7809F	IC		
IC1922	UPC7805AHF	IC		
Q1001	UN2212-X	DIGI TRANSISTOR		
Q1101	2SC5083/L-P/-T	TRANSISTOR		
Q1131	2SB709A/QR/-X	TRANSISTOR		
Q1161	2SD601A/QR/-X	TRANSISTOR		
Q1211	2SD601A/QR/-X	TRANSISTOR		
Q1232	2SD601A/QR/-X	TRANSISTOR		
Q1233	2SD601A/QR/-X	TRANSISTOR		
Q1251	2SD601A/QR/-X	TRANSISTOR		
Q1252	2SD601A/QR/-X	TRANSISTOR		
Q1281	2SB709A/QR/-X	TRANSISTOR		
Q1282	2SD601A/QR/-X	TRANSISTOR		
Q1283	2SB709A/QR/-X	TRANSISTOR		
Q1291	2SB709A/QR/-X	TRANSISTOR		
Q1292	2SD601A/QR/-X	TRANSISTOR		
Q1293	2SB709A/QR/-X	TRANSISTOR		
Q1301	2SC4544-LB	POW TRANSISTOR		
Q1311	2SC4544-LB	POW TRANSISTOR		
Q1321	2SC4544-LB	POW TRANSISTOR		
Q1331	2SD601A/QR/-X	TRANSISTOR		
Q1332	2SD601A/QR/-X	TRANSISTOR		
Q1352	2SD601A/QR/-X	TRANSISTOR		
Q1501	2SC4212/Z1/	TRANSISTOR		
⚠Q1521	2SD2634-YD	TRANSISTOR	H OUT	
Q1602	2SD601A/QR/-X	TRANSISTOR		
Q1681	2SD601A/QR/-X	TRANSISTOR		
Q1682	2SD601A/QR/-X	TRANSISTOR		
Q1683	2SD601A/QR/-X	TRANSISTOR		
Q1684	2SD601A/QR/-X	TRANSISTOR		
Q1701	2SB709A/QR/-X	TRANSISTOR		
Q1751	UN2112-X	DIGI TRANSISTOR		
Q1851	2SB709A/QR/-X	TRANSISTOR		
Q1921	2SD1383K/AB/-X	TRANSISTOR		
Q1922	2SC2785/JH/-T	SI TRANSISTOR		
Q1923	2SA1037AK/QR/-X	TRANSISTOR		
Q1924	2SA1208/ST/Z1-T	TRANSISTOR		
D1331	1SS133-T2	SI DIODE		
D1352	MTZJ9.1C-T2	Z.DIODE I M		
D1353	1SS133-T2	SI DIODE		
D1365	1SS133-T2	SI DIODE		
D1366	1SS133-T2	SI DIODE		
D1367	1SS133-T2	SI DIODE		
D1368	MTZJ5.1B-T2	Z DIODE		
D1369	MTZJ5.1B-T2	Z DIODE		
D1370	MTZJ5.1B-T2	Z DIODE		
D1401	1SR35-400A-T2	SI DIODE		
D1402	MTZJ75-T2	Z DIODE		
D1501	MTZJ3.3A-T2	Z DIODE		
D1521	1SR35-400A-T2	SI DIODE		
D1522	RH1S-T3	SI DIODE		
D1523	1SR35-400A-T2	SI DIODE		
D1524	RGP10J-5025-T3	SI DIODE		
D1525	MTZJ5.6A-T2	Z DIODE		
D1526	MA4068N/Z1/-T2	Z DIODE		
D1661	MTZJ9.1C-T2	Z.DIODE I M		
D1681	MTZJ9.1C-T2	Z.DIODE I M		
D1682	MTZJ9.1C-T2	Z.DIODE I M		
D1683	MTZJ9.1C-T2	Z.DIODE I M		
D1684	MTZJ9.1C-T2	Z.DIODE I M		
D1685	MTZJ9.1C-T2	Z.DIODE I M		
D1686	MTZJ9.1C-T2	Z.DIODE I M		
D1687	MTZJ9.1C-T2	Z.DIODE I M		
D1688	MTZJ9.1C-T2	Z.DIODE I M		
D1705	1SS133-T2	SI DIODE		
D1751	LG22440	LED	POWER / ON TIMER	
D1801	MTZJ9.1C-T2	Z.DIODE I M		
D1802	MTZJ9.1C-T2	Z.DIODE I M		
D1803	MTZJ9.1C-T2	Z.DIODE I M		
D1804	MTZJ9.1C-T2	Z.DIODE I M		
D1807	MTZJ9.1C-T2	Z.DIODE I M		
D1831	MTZJ9.1C-T2	Z.DIODE I M		
D1832	MTZJ9.1C-T2	Z DIODE		
D1833	MTZJ9.1C-T2	Z DIODE		
D1834	MTZJ9.1C-T2	Z.DIODE I M		
⚠D1901	GSIB460-S1	BRIDGE DIODE		
D1902	RGP10J-5025-T3	SI DIODE		
D1903	RGP10J-5025-T3	SI DIODE		
D1904	RGP10J-5025-T3	SI DIODE		
D1905	SARS01-T2	SI DIODE		
D1907	MA700A-T2	SB DIODE		
D1908	MTZJ15C-T2	Z DIODE		
D1921	1SR35-400A-T2	SI DIODE		
D1922	1SR35-400A-T2	SI DIODE		
D1923	1SR35-400A-T2	SI DIODE		
D1924	1SR35-400A-T2	SI DIODE		
D1925	1SS133-T2	SI DIODE		
D1926	RU3AM-LFC4	SI DIODE		
D1927	RU3YX-LFC4	SI DIODE		
D1928	RU3YX-LFC4	SI DIODE		
D1929	MTZJ7.5A-T2	Z DIODE		
D1930	1SS133-T2	SI DIODE		
D1931	1SS133-T2	SI DIODE		
D1932	MTZJ33B-T2	Z DIODE		
D1933	1N4002G-T2	SI DIODE		
C1001	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1002	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1003	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1004	QETN1AM-477Z	E CAPACITOR	470uF 10V M	
C1005	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1101	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1102	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1104	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1105	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1106	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1107	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1113	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1114	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1116	NCB31CK-224X	C CAPACITOR	0.22uF 16V K	
C1117	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1118	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1119	NDC31HJ-681X	C CAPACITOR	680pF 50V J	
C1120	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C1124	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1131	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1161	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1162	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1163	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1164	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1165	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1166	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1202	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1203	NCB31HK-152X	C CAPACITOR	1500pF 50V K	
C1211	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1221	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1222	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1223	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1233	NDC31HJ-680X	C CAPACITOR	68pF 50V J	
C1237	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1241	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1243	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1244	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1247	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1252	NDC31HJ-101X	C CAPACITOR	100pF 50V J	
C1253	NDC31HJ-470X	C CAPACITOR	47pF 50V J	
C1254	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C1261	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1262	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1263	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1264	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1265	QETN1HM-474Z	E CAPACITOR	0.47uF 50V M	
C1266	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1267	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1268	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1269	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1270	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1272	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1273	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1274	NDC31HJ-181X	C CAPACITOR	180pF 50V J	
C1275	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1276	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1277	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1278	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1283	NDC31HJ-330X	C CAPACITOR	33pF 50V J	
C1293	NDC31HJ-470X	C CAPACITOR	47pF 50V J	

⚠Ref No.	Part No.	Part Name	Description	Local
C1302	NDC31HJ-331X	C CAPACITOR	330pF 50V J	
C1312	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C1322	NDC31HJ-271X	C CAPACITOR	270pF 50V J	
C1331	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1341	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
⚠C1343	QCZ0121-102	C CAPACITOR	1000pF 3KV	
C1352	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1354	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1361	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1362	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1401	QFVF1HJ-474Z	MF CAPACITOR	0.47uF 50V J	
C1402	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1403	QENC1CM-106Z	BP E CAPACITOR	10uF 16V M	
C1404	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C1405	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1406	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1407	QETN1VM-107Z	E CAPACITOR	100uF 35V M	
C1408	QCS32HJ-100Z	C CAPACITOR	10pF 500V J	
C1409	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K	
C1410	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K	
C1411	QETM1VM-228	E CAPACITOR	2200uF 35V M	
C1412	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1501	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1502	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1503	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1504	QETN1HM-225Z	E CAPACITOR	2.2uF 50V M	
C1505	NCB31AK-474X	C CAPACITOR	0.47uF 10V K	
C1506	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1507	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1508	QCB32HK-151Z	C CAPACITOR	150pF 500V K	
C1509	QCB32HK-331Z	C CAPACITOR	330pF 500V K	
C1510	QETN2EM-225Z	E CAPACITOR	2.2uF 250V M	
C1522	QFZ0198-133	MPP CAPACITOR	0.013uF 1.5KV	
C1523	QFZ0199-564	MPP CAPACITOR	0.56uF 250V	
C1524	QCB32HK-561Z	C CAPACITOR	560pF 500V K	
C1525	QEZ0203-107	E CAPACITOR	100uF 160V M	
C1526	QFLC1HJ-823Z	M CAPACITOR	0.082uF 50V J	
C1527	QETN2EM-106Z	E CAPACITOR	10uF 250V M	
C1528	QETN1VM-108Z	E CAPACITOR	1000uF 35V M	
C1529	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1530	QFLC2AK-104Z	M CAPACITOR	0.1uF 100V K	
C1614	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1616	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1617	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1618	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1619	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1620	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1622	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1623	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1624	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1625	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1626	NCF31CZ-104X	C CAPACITOR	0.1uF 16V Z	
C1627	QETN1CM-227Z	E CAPACITOR	220uF 16V M	
C1651	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1652	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1653	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1654	NCB31HK-562X	C CAPACITOR	5600pF 50V K	
C1655	NCB31HK-123X	C CAPACITOR	0.012uF 50V K	
C1656	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1657	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1658	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1659	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1660	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1661	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1662	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1663	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M	
C1664	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1665	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C1666	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C1667	QETN1HM-335Z	E CAPACITOR	3.3uF 50V M	
C1668	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1669	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1670	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1671	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1672	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1673	NCB31HK-223X	C CAPACITOR	0.022uF 50V K	
C1674	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1675	QENC1HM-475Z	BP E CAPACITOR	4.7uF 50V M	
C1676	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1677	NCB31HK-472X	C CAPACITOR	4700pF 50V K	
C1681	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1682	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1683	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1684	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1685	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1686	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1687	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1688	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1689	QETN1CM-336Z	E CAPACITOR	33uF 16V M	
C1701	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C1702	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1703	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1704	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1705	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1708	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C1709	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C1711	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1712	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1716	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1751	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1801	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1802	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1803	QETN1HM-105Z	E CAPACITOR	1uF 50V M	
C1804	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1807	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1815	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1831	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1832	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1833	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C1834	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1851	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1852	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1853	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1854	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1855	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1856	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1857	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
C1858	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1859	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1860	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1861	QETN1EM-476Z	E CAPACITOR	47uF 25V M	
C1862	QETN1HM-106Z	E CAPACITOR	10uF 50V M	
⚠C1901	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	
⚠C1902	QFZ9072-104	MM CAPACITOR	0.1uF AC250V K	
C1903	QEZ0561-477	E CAPACITOR	470uF 200V	
⚠C1904	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
⚠C1905	QCZ9054-102	C CAPACITOR	1000pF AC250V Z	
C1907	QETN1HM-476Z	E CAPACITOR	47uF 50V M	
C1908	QCZ0340-332	C CAPACITOR	3300pF 2kV K	
C1909	NCB31HK-182X	C CAPACITOR	1800pF 50V K	
C1910	NDC31HJ-471X	C CAPACITOR	470pF 50V J	
C1911	QFP32GJ-103Z	PP CAPACITOR	0.01uF 400V J	
C1921	QETN1EM-477Z	E CAPACITOR	470uF 25V M	
C1923	QEZ0203-107	E CAPACITOR	100uF 160V M	
C1924	QETN2CM-476Z	E CAPACITOR	47uF 160V M	
C1925	QETN1CM-108Z	E CAPACITOR	1000uF 16V M	
C1926	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1927	QETN1CM-477Z	E CAPACITOR	470uF 16V M	
C1929	QCZ0340-102	C CAPACITOR	1000pF 2kV K	
C1930	QCB32HK-102Z	C CAPACITOR	1000pF 500V K	
C1931	QCB32HK-102Z	C CAPACITOR	1000pF 500V K	
C1932	QETN0JM-107Z	E CAPACITOR	100uF 6.3V M	
C1933	QETN1VM-476Z	E CAPACITOR	47uF 35V M	
C1935	QETN1CM-476Z	E CAPACITOR	47uF 16V M	
C1940	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1941	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1942	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1943	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C1944	QETN1CM-107Z	E CAPACITOR	100uF 16V M	
C1945	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
⚠C1991	QCZ9074-103	C CAPACITOR	0.01uF 250V	
⚠C1992	QCZ9074-103	C CAPACITOR	0.01uF 250V	
R1003	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1004	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1006	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1008	NRSA63J-820X	MG RESISTOR	82Ω 1/16W J	
R1101	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1102	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1103	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	
R1104	NRSA63J-180X	MG RESISTOR	18Ω 1/16W J	
R1105	NRSA63J-270X	MG RESISTOR	27Ω 1/16W J	
R1111	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R1112	NRSA63J-334X	MG RESISTOR	330kΩ 1/16W J	
R1113	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1115	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1116	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R1117	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R1131	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1132	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1133	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1134	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1135	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	

⚠Ref No.	Part No.	Part Name	Description	Local
R1161	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1163	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1164	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1165	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1167	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1168	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1169	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1171	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1201	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1212	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1215	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1216	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1217	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1227	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1231	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R1232	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1233	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1234	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1235	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1251	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1252	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1253	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1254	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R1255	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1256	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1257	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1261	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1262	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1263	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1264	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1282	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1283	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R1285	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1286	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1287	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1288	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1292	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R1293	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1295	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1296	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1297	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1298	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1301	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1302	QRL029J-123	OMF RESISTOR	12kΩ 2W J	
R1303	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K	
R1304	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1305	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1306	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1311	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1312	QRL029J-123	OMF RESISTOR	12kΩ 2W J	
R1313	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K	
R1314	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1315	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1316	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1321	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	
R1322	QRL029J-123	OMF RESISTOR	12kΩ 2W J	
R1323	QRZ0111-152	C RESISTOR	1.5kΩ 1/2W K	
R1324	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1325	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1326	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1331	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1332	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1333	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1354	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R1356	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1359	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1360	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R1364	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1365	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1366	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1401	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1402	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1403	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1405	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1407	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R1408	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R1409	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1411	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1412	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1414	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1416	QRE121J-102Y	C RESISTOR	1kΩ 1/2W J	
R1501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1502	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1504	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1505	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	
R1506	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1507	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	
R1508	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1509	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R1510	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1511	QRG029J-182	OMF RESISTOR	1.8kΩ 2W J	
R1512	QRG029J-182	OMF RESISTOR	1.8kΩ 2W J	
R1521	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	
R1522	QRE121J-681Y	C RESISTOR	680Ω 1/2W J	
R1523	QRL039J-152	OMF RESISTOR	1.5kΩ 3W J	
R1524	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J	
R1525	QRE121J-184Y	C RESISTOR	180kΩ 1/2W J	
R1526	QRK129J-150	UNF C RESISTOR	15Ω 1/2W J	
R1527	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1528	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1529	QRK126J-4R7X	UNF C RESISTOR	4.7Ω 1/2W J	
R1530	QRX029J-1R5	MF RESISTOR	1.5Ω 2W J	
R1531	NRZ0032-7151X	CMF RESISTOR	7.15kΩ	
R1533	NRZ0032-2941X	CMF RESISTOR	2.94kΩ	
R1541	QRE121J-683Y	C RESISTOR	68kΩ 1/2W J	
R1614	QRL039J-100	OMF RESISTOR	10Ω 3W J	
R1615	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1616	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1617	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1618	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1619	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1620	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1621	QRE121J-4R7Y	C RESISTOR	4.7Ω 1/2W J	
R1622	QRE121J-4R7Y	C RESISTOR	4.7Ω 1/2W J	
R1625	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1627	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1631	QRX029J-3R3	MF RESISTOR	3.3Ω 2W J	
R1651	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1652	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1653	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	
R1654	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1655	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1656	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1657	NRSA63F-623X	MG RESISTOR	62kΩ 1/16W F	
R1658	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R1659	NRSA63J-302X	MG RESISTOR	3kΩ 1/16W J	
R1661	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R1662	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1663	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1664	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1665	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1666	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1667	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1681	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1682	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R1683	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1684	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1685	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1686	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1687	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1688	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R1691	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1692	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1701	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1702	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1703	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1704	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1705	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1706	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1707	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1708	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1709	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1714	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R1715	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1718	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1720	QRJ149J-1R0	UNF C RESISTOR	1Ω 1/4W J	
R1721	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1729	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	
R1731	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1732	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1733	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1734	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R1739	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1740	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1751	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1752	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1753	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R1754	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R1755	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R1756	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J	
R1757	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1758	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1764	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	

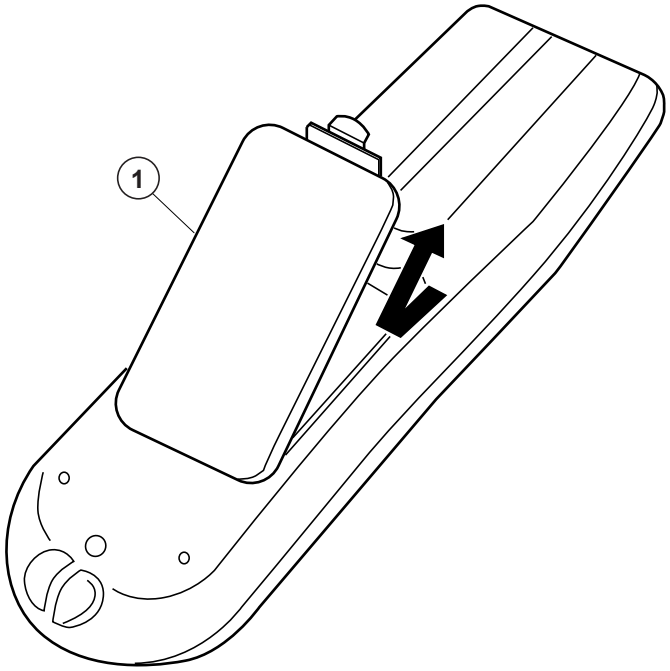
⚠Ref No.	Part No.	Part Name	Description	Local
R1765	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1766	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1767	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R1768	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	
R1769	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1770	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1771	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1772	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1773	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1774	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1775	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1776	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1777	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1778	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1801	NRSA63J-680X	MG RESISTOR	68Ω 1/16W J	
R1802	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1803	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1804	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1805	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1821	NRSA63J-124X	MG RESISTOR	120kΩ 1/16W J	
R1831	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1832	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1833	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R1834	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1835	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1836	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1851	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1852	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1853	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1854	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1855	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	
R1856	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1857	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R1858	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1859	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1860	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1861	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R1862	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R1863	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
⚠R1901	QRF074K-R47	UNF WW RESISTOR	0.47Ω 7W K	
R1902	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R1903	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R1904	QRT029J-R22	MF RESISTOR	0.22Ω 2W J	
R1905	QRT029J-R22	MF RESISTOR	0.22Ω 2W J	
R1906	QRE121J-2R2Y	C RESISTOR	2.2Ω 1/2W J	
R1907	QRE121J-472Y	C RESISTOR	4.7kΩ 1/2W J	
R1908	QRK126J-681X	UNF C RESISTOR	680Ω 1/2W J	
R1910	QRE121J-684Y	C RESISTOR	680kΩ 1/2W J	
R1911	QRG01GJ-470	OMF RESISTOR	47Ω 1W J	
R1922	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R1923	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R1924	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1925	QRX01GJ-1R0	MF RESISTOR	1Ω 1W J	
R1926	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J	
R1927	QRT029J-1R2	MF RESISTOR	1.2Ω 2W J	
R1928	QRE121J-272Y	C RESISTOR	2.7kΩ 1/2W J	
R1929	QRE121J-223Y	C RESISTOR	22kΩ 1/2W J	
R1930	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J	
R1932	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1933	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R1934	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J	
R1935	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	
R1936	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1938	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1939	QRE121J-103Y	C RESISTOR	10kΩ 1/2W J	
R1941	QRG029J-180	OMF RESISTOR	18Ω 2W J	
R1942	QRE121J-5R6Y	C RESISTOR	5.6Ω 1/2W J	
R1943	QRE121J-820Y	C RESISTOR	82Ω 1/2W J	
⚠R1991	QRZ9041-275	C RESISTOR	2.7MΩ 1/2W K	
L1101	QQLZ014-R39	COIL	0.39uH 100mA L	
L1131	QQL244K-220Z	COIL	22uH K	
L1161	QQL244K-220Z	COIL	22uH K	
L1232	QQL244K-560Z	COIL	56uH K	
L1251	QQL244K-4R7Z	COIL	4.7uH K	
L1281	QQL244K-150Z	COIL	15uH K	
L1291	QQL244K-150Z	COIL	15uH K	
L1341	QQL03BJ-390Z	P COIL	39uH J	
L1521	QQR1027-004	LINEARITY COIL		
L1921	QQL26AK-470Z	COIL	47uH K	
L1922	QQL26AK-470Z	COIL	47uH K	
T1111	QQR0907-001	IFT		
T1501	CE42034-002	HOR DRIVE TRANS		
⚠T1901	QQT0355-001	POWER TRANSF		
⚠T1921	QQS0158-001	SW TRANSF		
CF1001	QAX0349-001	C TRAP		
CF1131	QAX0639-001Z	C TRAP	4.500MHz	
CF1161	QAX0642-001Z	C FILTER	4.500MHz	
CN100C	QGA2501F1-06	CONNECTOR	W-B (1-6)	
CN100S	QGA2501C5-04Z	CONNECTOR	W-B (1-4)	
CN100T	CHGC05-480	CONNECTOR WIRE		
CN100U	CHGC04-400	CONNECTOR ASSY		
CN10B1	CH41169-R03Y	EH POST HEADER		
CN10E1	CHGT0015-0B	CONNECTOR ASSY		
CN10HV	QGZ5004C1-06	CONNECTOR	(1-6)	
⚠CN1DEG	QGA7901C1-02	CONNECTOR	W-B (1-2)	
CN1HHS	CH41169-R03Y	EH POST HEADER		
⚠F1901	QMF51N1-5R0-J5	FUSE	5A AC125V	
⚠FC1901	CEMG002-001Z	FUSE CLIP	(x2)	
⚠H1002	LC30381-001A	HEAT SINK/FE-P/		
⚠H1602	CEHE014-001WU	HEAT SINK		
⚠HS1004	LC31696-001A	HEAT SINK/AL-F/		
⚠HS1009	LC31678-001A	HEAT SINK/AL-F/		
J1001	QNZ0454-001	AV JACK	S / V / L / R IN	
J1002	QNN0348-001	PIN JACK	L / R OUT	
J1003	QNN0349-002	PIN JACK	V / L / R IN	
J1004	QNN0348-001	PIN JACK	L / R IN	
J1005	CEMN065-001	PIN JACK	V IN	
J1006	CEMN065-002	PIN JACK	L IN	
J1007	CEMN072-003	PIN JACK	R IN	
K1001	QQR0582-001Z	FERRITE BEADS		
K1101	QQR0582-001Z	FERRITE BEADS		
K1251	QQR0582-001Z	FERRITE BEADS		
K1253	QQR0582-001Z	FERRITE BEADS		
K1254	QQR0582-001Z	FERRITE BEADS		
K1401	QQR0582-001Z	FERRITE BEADS		
K1701	QQR0582-001Z	FERRITE BEADS		
K1702	QQR0582-001Z	FERRITE BEADS		
K1901	QQR0582-001Z	FERRITE BEADS		
K1902	QQR0582-001Z	FERRITE BEADS		
K1903	QQR0582-001Z	FERRITE BEADS		
K1904	QQR0582-001Z	FERRITE BEADS		
K1921	QQR0582-001Z	FERRITE BEADS		
K1922	QQR0582-001Z	FERRITE BEADS		
K1923	QQR0582-001Z	FERRITE BEADS		
⚠LF1901	QQR0527-003	LINE FILTER		
⚠RY1901	QSK0085-001	RELAY		
S1401	QSL4A13-C02	LEVER SWITCH	V. CENTER	
S1751	QSW0619-003Z	TACT SWITCH	POWER	
S1752	QSW0619-003Z	TACT SWITCH	VOL +	
S1753	QSW0619-003Z	TACT SWITCH	VOL -	
S1754	QSW0619-003Z	TACT SWITCH	CH +	
S1755	QSW0619-003Z	TACT SWITCH	CH-	
S1756	QSW0619-003Z	TACT SWITCH	MENU	
SF1101	QAX0723-001	SAW FILTER		
⚠SK1351	QNZ0536-001	CRT SOCKET		
⚠TH1901	QAD0129-3R0	P THERMISTOR	3Ω	
⚠TU1001	QAU0275-002	TUNER		
⚠VA1901	ERZV10V621CS	ZNR		
W1001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1412	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1728	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1729	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1801	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1802	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1815	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
W1836	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
X1701	QAX0717-001Z	CRYSTAL	8.000MHz	
Y1251	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1501	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1601	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1602	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1605	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
Y1854	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

[AV-27D104 / AV-27D304 / AV-27432]
REMOTE CONTROL UNIT PARTS LIST
(RM-C1253G-1H / RM-C1255G-1H)



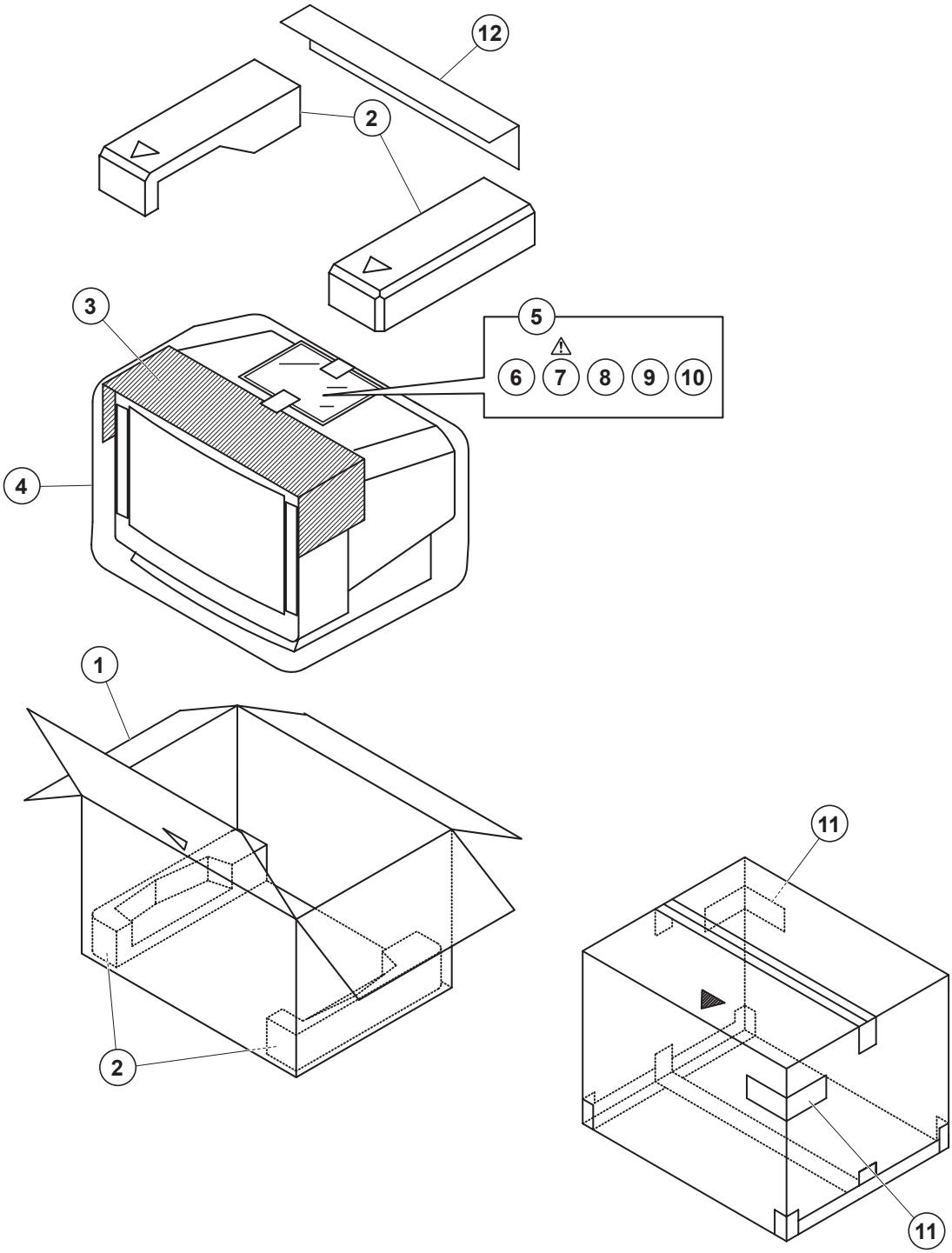
⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	UR77EC0603	BATTERY COVER		

[AV-27430]
REMOTE CONTROL UNIT PARTS LIST (RM-C203-1C)



⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	LP40991-001C	BATTERY COVER		

PACKING



PACKING PARTS LIST

[AV-27D104/RA, AV-27D104/SA]

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	GQ10009-007C-A	PACKING CASE		
	2	GQ10019-001B-A	CUSHION ASSY	4pcs in 1set	
	3	CP30055-001-A	TOP COVER		
	4	CP30056-008-A	POLY BAG		
	5	QPA02503505	POLY BAG	25cm x 35cm	
	6	RM-C1255G-1H	REMOCON UNIT		
⚠	7	LCT1319-001A-A	INST BOOK		
	8	BT-52006-1Q	WARRANTY CARD		
	9	BT-51028-2Q	REGISTER CARD		
	10	----------	BATTERY	(x2)	
	11	CM36616-001-A	CORNER LABEL	2pcs in 1set	
	12	GQ30043-005A-A	TOP PAD		

[AV-27D304/RA, AV-27D304/SA]

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	GQ10009-007C-A	PACKING CASE		
	2	GQ10019-001B-A	CUSHION ASSY	4pcs in 1set	
	3	CP30055-001-A	TOP COVER		
	4	CP30056-008-A	POLY BAG		
	5	QPA02503505	POLY BAG	25cm x 35cm	
	6	RM-C1253G-1H	REMOCON UNIT		
⚠	7	LCT1319-001A-A	INST BOOK		
	8	BT-52006-1Q	WARRANTY CARD		
	9	BT-51028-2Q	REGISTER CARD		
	10	----------	BATTERY	(x2)	
	11	CM36616-001-A	CORNER LABEL	2pcs in 1set	
	12	GQ30043-005A-A	TOP PAD		

[AV-27430/RA, AV-27430/SA]

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	CP11499-C15-A	PACKING CASE		
	2	LC10083-002B-A	CUSHION ASSY	4pcs in 1set	
	3	CP30055-001-A	TOP COVER		
	4	CP30056-008-A	POLY BAG		
	5	QPA02503505	POLY BAG	25cm x 35cm	
	6	RM-C203-1C	REMOCON UNIT		
⚠	7	LCT1319-001A-A	INST BOOK		
	8	BT-52006-1Q	WARRANTY CARD		
	9	BT-51028-2Q	REGISTER CARD		
	10	----------	BATTERY	(x2)	
	11	CM36616-001-A	CORNER LABEL	2pcs in 1set	
	12	GQ30043-004A-A	TOP PAD		

[AV-27432/RA, AV-27432/SA]

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	CP11499-C15-A	PACKING CASE		
	2	LC10083-002B-A	CUSHION ASSY	4pcs in 1set	
	3	CP30055-001-A	TOP COVER		
	4	CP30056-008-A	POLY BAG		
	5	QPA02503505	POLY BAG	25cm x 35cm	
	6	RM-C1255G-1H	REMOCON UNIT		
⚠	7	LCT1319-001A-A	INST BOOK		
	8	BT-52006-2Q	WARRANTY CARD		
	9	BT-51028-2Q	REGISTER CARD		
	10	----------	BATTERY	(x2)	
	11	CM36616-001-A	CORNER LABEL	2pcs in 1set	
	12	GQ30043-004A-A	TOP PAD		

JVC®

Color Television Users Guide

For Models:

AV-27D304
AV-27D104
AV-20D304
AV-32430
AV-32432
AV-27430
AV-27432



Illustration of AV-27D304 and RM-C1253G

Important Note:

In the spaces below, enter the model and serial number of your television (located at the rear of the television cabinet). Staple your sales receipt or invoice to the inside cover of this guide. Keep this user's guide in a convenient place for future reference. Keep the carton and original packaging for future use.

Model Number: _____

Serial Number: _____

LCT1319-001A-A
0103-TN-II-IM

Important Safety Precautions



CAUTION

RISK OF ELECTRICAL SHOCK DO NOT OPEN



CAUTION: To reduce the risk of electric shock. Do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.



The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS TV SET TO RAIN OR MOISTURE.

CAUTION: TO INSURE PERSONAL SAFETY, OBSERVE THE FOLLOWING RULES REGARDING THE USE OF THIS UNIT.

1. Operate only from the power source specified on the unit.
2. Avoid damaging the AC plug and power cord.
3. Avoid Improper installation and never position the unit where good ventilation is unattainable.
4. Do not allow objects or liquid into the cabinet openings.
5. In the event of trouble, unplug the unit and call a service technician. Do not attempt to repair it yourself or remove the rear cover.

Changes or modifications not approved by JVC could void the warranty.

- When you don't use this TV set for a long period of time, be sure to disconnect both the power plug from the AC outlet and antenna for your safety.
- To prevent electric shock do not use this polarized plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

IMPORTANT RECYCLING INFORMATION

This product utilizes both a Cathode Ray Tube (CRT) and other components that contain lead. Disposal of these materials may be regulated in your community due to environmental considerations. For disposal or recycling information, please contact your local authorities, or the Electronic Industries Alliance: http://www.eiae.org

CAUTION ON REPLACABLE LITHIUM BATTERY

The battery used in this device may present a fire or chemical burn hazard if mistreated. Do not recharge, disassemble, heat above 100ºC or incinerate.

Replace battery with CR2032 Panasonic (Matsushita Electric) or Maxell is recommended.

Danger of explosion or risk of fire if the battery is incorrectly replaced.

- **Dispose of used battery promptly.**
- **Keep away from children.**
- **Do not disassemble and do not dispose of in fire.**

ENERGY STAR

- As an "ENERGY STAR®" partner, JVC has determined that this product or product model meets the "ENERGY STAR®" guidelines for energy efficiency.

Important Safeguards

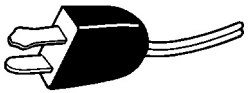
CAUTION:

Please read and retain for your safety.
Electrical energy can perform many useful functions. This TV set has been engineered and manufactured to assure your personal safety. But **improper use can result in potential electrical shock or fire hazards.** In order not to defeat the safeguards incorporated in this TV set, observe the following basic rules for its installation, use and servicing. Also follow all warnings and instructions marked on your TV set.

INSTALLATION

1 Your TV set is equipped with a polarized AC line plug (one blade of the plug is wider than the other). This safety feature allows the plug to fit into the power outlet only one way. Should you be unable to insert the plug fully into the outlet, try reversing the plug. Should it still fail to fit, contact your electrician.

(POLARIZED-TYPE)



2 Operate the TV set only from a power source as indicated on the TV set or refer to the operating instructions for this information. If you are not sure of the type of power supply to your home, consult your TV set dealer or local power company. For battery operation, refer to the operating instructions.

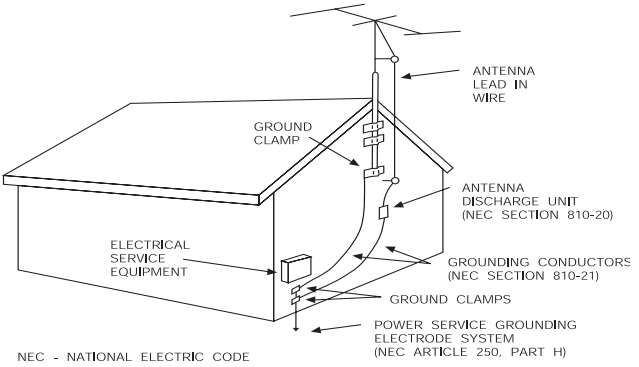
3 Overloaded AC outlets and extension cords are dangerous, and so are frayed power cords and broken plugs. They may result in a shock or fire hazard. Call your service technician for replacement.

4 Do not allow anything to rest on or roll over the power cord, and do not place the TV set where power cord is subject to traffic or abuse. This may result in a shock or fire hazard.

5 Do not use this TV set near water – for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near swimming pool, etc.

6 If an outside antenna is connected to the TV set, be sure the antenna system is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection requirements for the grounding electrode.

7 An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.



EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE

8 TV sets are provided with ventilation openings in the cabinet to allow heat generated during operation to be released.

Therefore:

— Never block the bottom ventilation slots of a portable TV set by placing it on a bed, sofa, rug, etc.
— Never place a TV set in a “built-in” enclosure unless proper ventilation is provided.
— Never cover the openings with a cloth or other material.
— Never place the TV set near or over a radiator or heat register.

9 To avoid personal injury:

— Do not place a TV set on a sloping shelf unless properly secured.
— Use only a cart or stand recommended by the TV set manufacturer.
— Do not try to roll a cart with small casters across thresholds or deep pile carpets.
— Wall or shelf mounting should follow the manufacturer’s instructions, and should use a mounting kit approved by the manufacturer.

Use

10 Caution children about dropping or pushing objects into the TV set through cabinet openings. Some internal parts carry hazardous voltages and contact can result in a fire or electrical shock.

11 Unplug the TV set from the wall outlet before cleaning. Do not use liquid or an aerosol cleaner.

12 Never add accessories to a TV set that has not been designed for this purpose. Such additions may result in a hazard.



PORTABLE CART WARNING (Symbol provided by RETAC)

13 For added protection of the TV set during a lightning storm or when the TV set is to be left unattended for an extended period of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage to product due to lightning storms or power line surges.

14 A TV set and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the TV set and cart combination to overturn.

Service

15 Unplug this TV set from the wall outlet and refer servicing to qualified service personnel under the following conditions:
A. When the power cord or plug is damaged or frayed.
B. If liquid has been spilled into the TV set.
C. If the TV set has been exposed to rain or water.
D. If the TV set does not operate normally by following the operating instructions. Adjust only those controls that are covered in the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the TV set to normal operation.
E. If the TV set has been dropped or damaged in any way.
F. When the TV set exhibits a distinct change in performance — this indicates a need for service.

16 Do not attempt to service this TV set yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

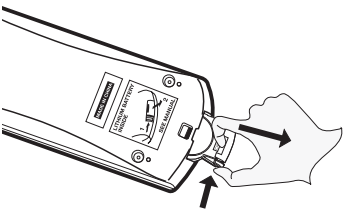
17 When replacement parts are required, have the service technician verify in writing that the replacement parts he uses have the same safety characteristics as the original parts. Use of manufacturer's specified replacement parts can prevent fire, shock, or other hazards.

18 Upon completion of any service or repairs to this TV set, please ask the service technician to perform the safety check described in the manufacturer's service literature.

19 When a TV set reaches the end of its useful life, improper disposal could result in a picture tube implosion. Ask a qualified service technician to dispose of the TV set.

20 Note to CATV system installer.
This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

How to use the remote.
Before using, insert the lithium battery – CR2032 – correctly, with the plus (+) side up into the battery compartment.
To open it, press the release tab and carefully pull the compartment out. The remote control can operate most of your TV's functions, as well as basic functions of JVC VCRs.



* Point the remote towards the remote sensor on the target component. The maximum operating distance is about 8 meters.

* To operate a JVC VCR, use any of the following buttons: **VCR POWER, TV/VCR INPUT, VCR CH+/-, PLAY, REWIND, FAST-FORWARD, STOP, RECORD and PAUSE.**

NOTE: If the remote does not work properly, remove the battery, wait for a few seconds, replace the battery and try again.

Table of Contents

Quick Setup 7

Unpacking your TV 7
TV Models 8
TV Remote Controls 10
Getting Started 12
  The Remote Control 12
  Connecting Your Devices 13
  Interactive Plug In Menu 17

Remote Programming 20

Setting CATV, VCR and DVD Codes . . . 20
  CATV or Satellite Codes 20
  VCR Codes 21
  DVD Codes 22
  Search Codes 23

Onscreen Menus 24

Using the Guide 24
Onscreen Menu System 25

Initial Setup 26

Auto Tuner Setup 26
Channel Summary 26
V-Chip 27
  Set Lock Code 33
Language 34
Closed Caption 34
XDS ID 34
Front Panel Lock 35
Auto Shut Off 35

Picture Adjust 36

Picture Settings 36
  Adjust Picture Settings 36
Color Temperature 37
Noise Muting 37

Sound Adjust 38

Sound Settings 38
  Adjust Sound Settings 38
MTS (Multi-channel Sound) 38

Clock Timers 39

Set Clock 39
On/Off Timer 40

Button Functions 41

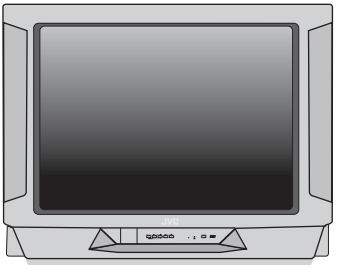
Power 41
Number Buttons 41
Channel +/– 41
Volume +/– 41
100+ Button 41
Menu 41
Exit 41
Return + ... 42
Sleep Timer 42
Muting 42
Display 43
Video Status 43
Sound 44
Hyper Surround 44
Game 44
TheaterPro D6500K 45
Input 45
C.C. 45
TV/CATV Slide Switch 45
VCR/DVD Slide Switch 46
VCR Buttons 46
DVD Buttons 46
Light 46

Appendices 47

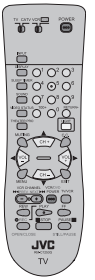
Troubleshooting 47
Warranty 48
Authorized Service Centers 50
Specifications 51

Thank you for your purchase of a JVC Color Television. Before you begin setting up your new television, please check to make sure you have all of the following items. In addition to this guide, your television box should include:

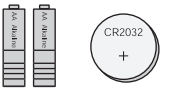
1 Television



1 Remote Control



Two AA Batteries or CR2032



Note: Your television and/or remote control may differ from the examples illustrated here.

Once you have unpacked your television, the next step is to connect it to your antenna/ cable or satellite system and to connect the audio/video devices you want to use with your television. To make these connections you will use plugs like the ones illustrated below.

Coaxial Cables



Used to connect an external antenna or cable TV system to your TV.

S-Video Cable



Used to make video connections with S-Video VCRs, Camcorders and DVD players.

Component Cables Composite Cables Audio Cables



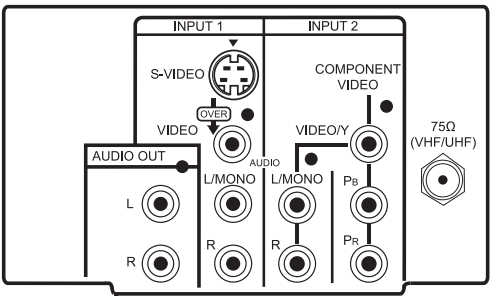
Used to connect audio/video devices like VCRs, DVD players, stereo amplifiers, game consoles, etc.

We recommend that before you start using your new television, you read your entire User's Guide so you can learn about your new television's many great features. If you're anxious to start using your television right away, a quick setup guide follows on the next few pages.

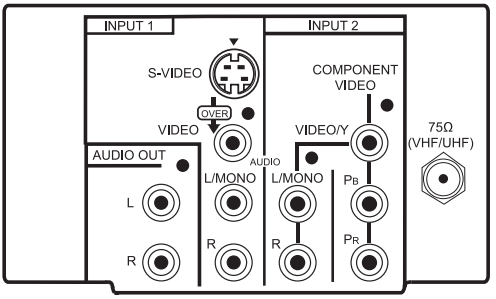
NOTE: Before you connect your television to another device, please refer to the proper diagrams for your specific TV and remote. These will help assist you in understanding how to connect your television to another device, as well as use the remote to set up your television.

Rear Panel Diagrams

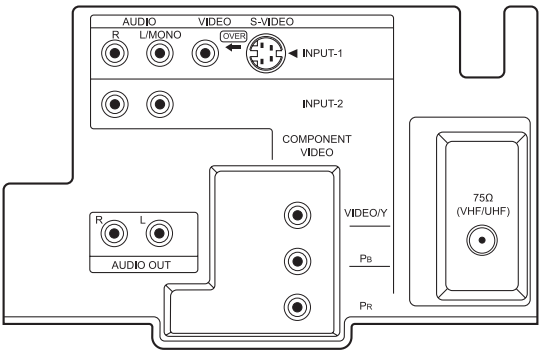
MODELS:
AV-27D304
AV-27D104
AV-20D304



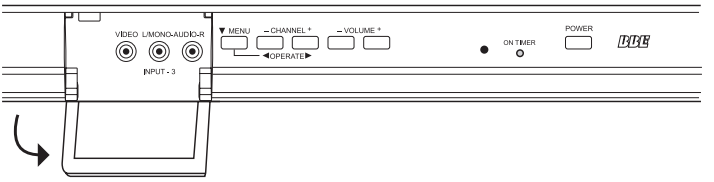
MODELS:
AV-27430
AV-27432



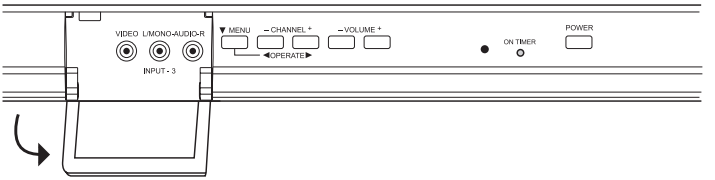
MODELS:
AV-32430
AV-32432



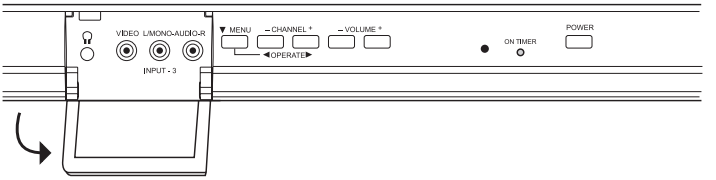
Front Panel Diagrams



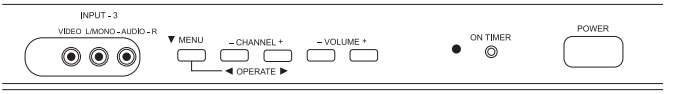
MODEL: AV-27D304



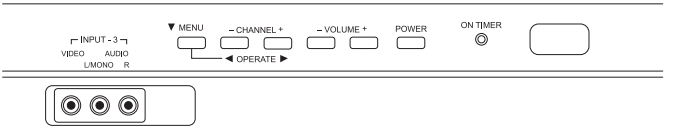
MODEL: AV-27D104



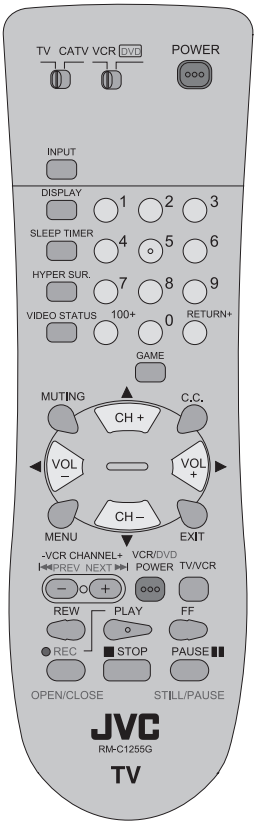
MODEL: AV-20D304



MODELS: AV-27430 and AV-27432

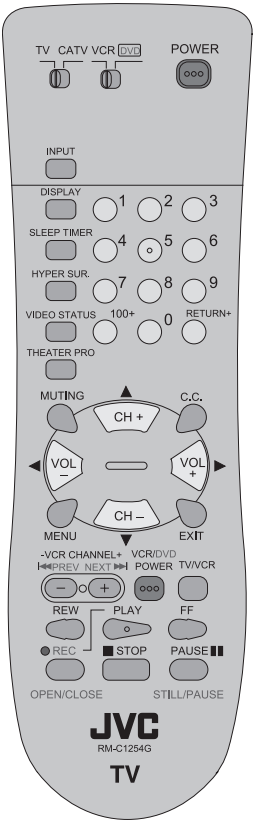


MODELS: AV-32430 and AV-32432



RM-C1255G

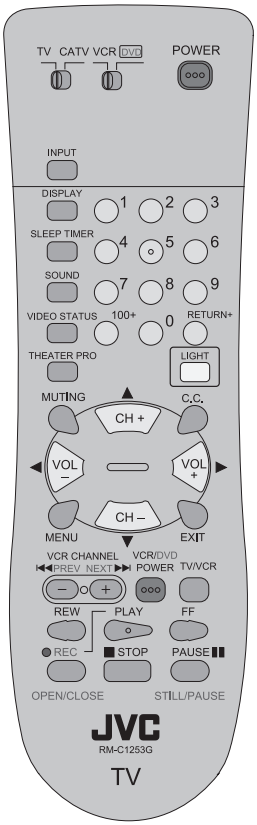
MODEL:
AV-27D104



RM-C1254G

MODEL:
AV-20D304

- For information on remote control buttons, see pages 41 - 46.





RM-C1253G

MODEL:
AV-27D304

RM-C203

MODELS:
AV-32430
AV-32432
AV-27430
AV-27432

- For information on remote control buttons, see pages 41 - 46.

Getting Started

These quick setup pages will provide you, in three easy steps, with the basic information you need to begin using your new television right away.

If you have questions, or for more detailed information on any of these steps, please consult other sections of this manual.

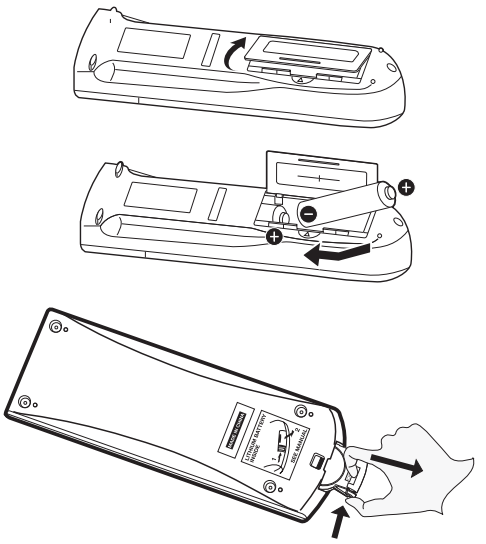
Step 1 – The Remote Control

Before you can operate your remote control, you first need to install the batteries (included).

For Remote Control RM-C1255G, RM-C1254G and RM-C1253G: Lift and pull the latch on the back of the remote control to open. Insert two batteries (included) carefully noting the "+" and "–" markings, placing the "–" end in the unit first. Snap the cover back into place.

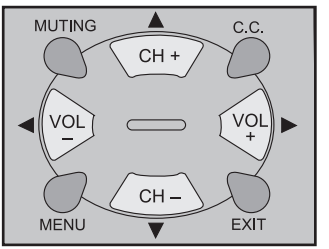
When you change the batteries, try to complete the task within three minutes. If you take longer than three minutes, the remote control codes for your VCR, DVD, and/or cable box/satellite receiver may have to be reset. See pages 20 - 23.

For Remote Control RM-C203: With your thumb, push the latch on the back of the remote control inward, and while holding it there, pull the battery cover out with your index finger. Insert the battery (included) carefully noting the "+" and "–" markings. Push the cover back into place.



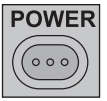
Key Feature Buttons

The four key feature buttons at the center of the remote can be used for basic operation of the television. The top and bottom buttons will scan forward and back through the available channels. To move rapidly through the channels using JVC's **Hyperscan** feature, press and hold CH+ or CH–. The channels will zip by at a rate of five channels per second. The right and left buttons will turn the volume up or down. These buttons are also marked with four arrows and are used with JVC's onscreen menu system. To use the onscreen menus, press the MENU button.

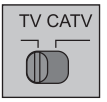


Note: Illustration of remote control RM-C1253G

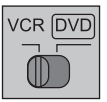
Basic Operation



Turn the television on and off by pressing the POWER button at the top right corner of the remote. If this is the first time you are turning on the TV, the interactive plug-in menu appears.



- Make sure the TV/CATV switch is set to TV. Move the switch to CATV only if you need to operate a cable box. (Except RM-C203)



- Slide the VCR/DVD selector switch to VCR to control a VCR. Slide to DVD to control a DVD player. Please see pages 20 to 23 for instructions on programming your remote control to operate a cable box, VCR or DVD player. (Except RM-C203)

Step 2 – Connecting Your Devices

Please follow the flow chart below to determine which connection setup is right for you. Then, refer to the appropriate diagrams to connect your television to other devices that you may have. After you are finished connecting your devices, plug the power cord into the nearest power outlet and turn on the TV.

A VCR is not necessary for operation of the television. If you follow these diagrams and the television does not work properly, contact your local cable operator.

- To connect a DVD player, see **Diagram #3**. A DVD player is optional.
- If you have a satellite television system, please refer to the satellite TV manual.

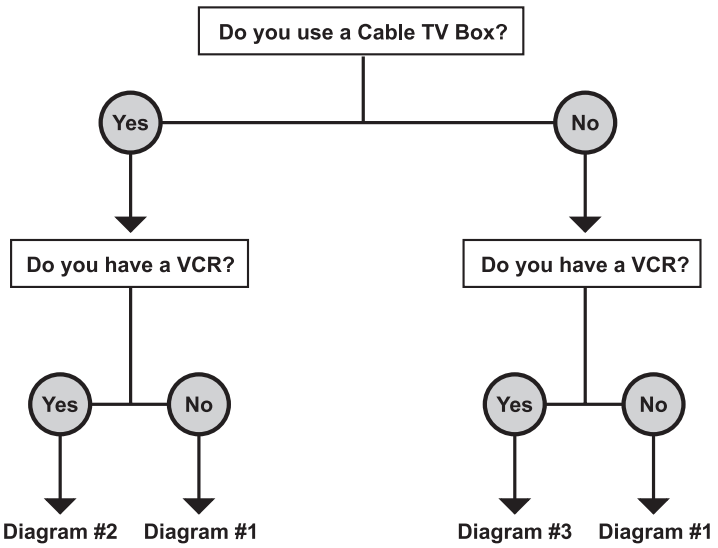
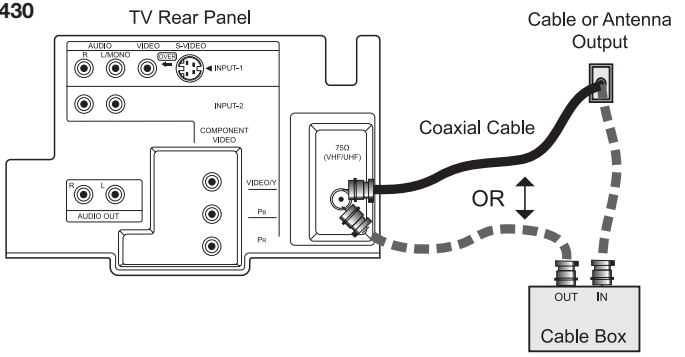


Diagram #1

Illustration of AV-32430

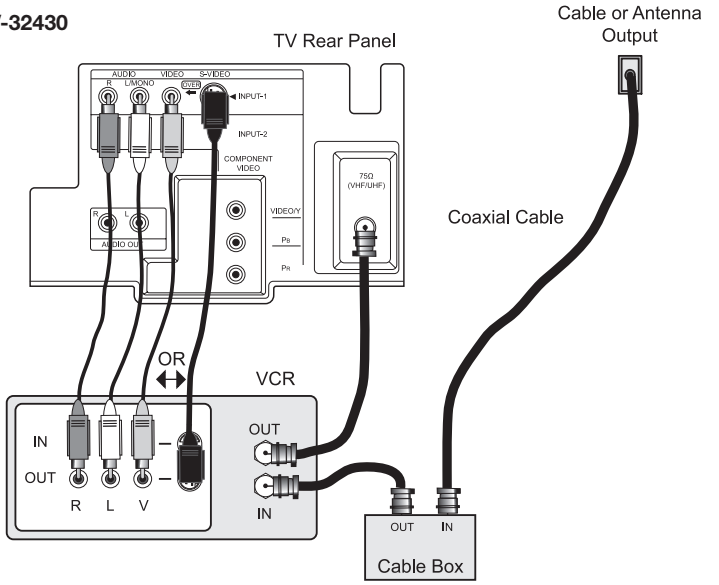


Note:

- If you do not have a cable box, connect the cable wire from the wall outlet into the back of the TV.

Diagram #2

Illustration of AV-32430



Notes:

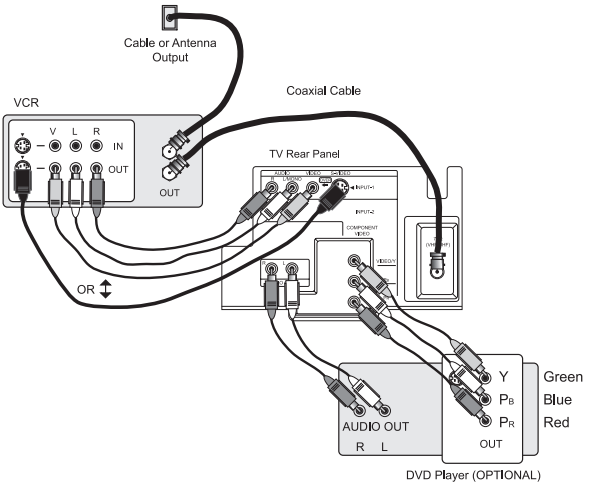
- If your VCR is a mono sound unit, it will have only one audio out jack. Connect it to the TV's LEFT AUDIO INPUT.
- Use the S-Video connection if possible for superior picture quality.
- Your VCR must be turned on to view premium cable channels.

Notes:

- Green, blue and red are the most common colors for DVD cables. Some models may vary colors. Please consult the user's manual for your DVD player for more information.
- Be careful not to confuse the red DVD cable with the red audio cable. It is best to complete one set of connections (DVD or audio output) before starting the other to avoid accidentally switching the cables.
- Progressive DVD players (players with an output scan of 31.5 KHz) will not work properly with this television. Set your DVD player's output to "interlaced", or non-progressive mode.

Diagram #3

Illustration of AV-32430



Connecting to an External Amplifier

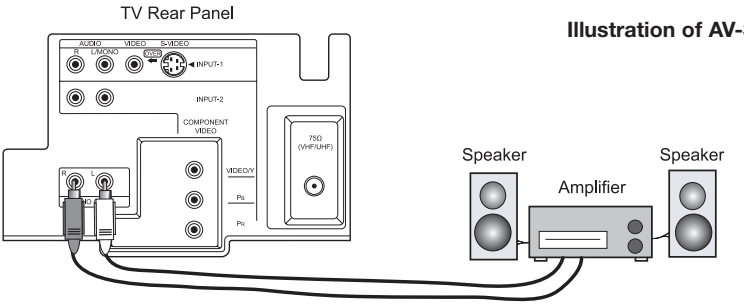


Illustration of AV-32430

1) Connect a white composite cable from the LEFT AUDIO OUTPUT on the back of the TV to the LEFT AUDIO INPUT on the amplifier.
2) Connect a red composite cable from the RIGHT AUDIO OUTPUT on the back of the TV to the RIGHT AUDIO INPUT on the amplifier.

Notes:

- Refer to your amplifier's manual for more information.
- You can use AUDIO OUTPUT for your home theater system.

Connecting to a Camcorder

You may connect a camcorder, game console or other equipment to your television by using the front input jacks. You can also connect these using the television's rear input jacks, using the same instructions.

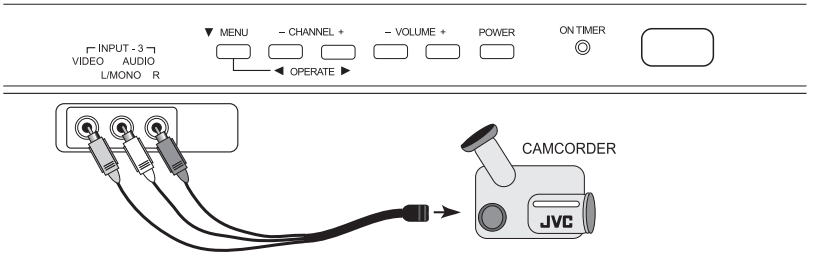


Illustration of AV-32430

1) Connect a yellow composite cable from the camcorder VIDEO OUT, into the VIDEO IN on the front of the TV.
2) Connect a white composite cable from the camcorder LEFT AUDIO OUT, into the LEFT AUDIO IN on the front of the TV.
3) Connect a red composite cable from the camcorder RIGHT AUDIO OUT, into the RIGHT AUDIO IN on the front of the TV.

Note:

- If your camcorder is a mono sound model it will have only one AUDIO OUT. Connect it to the LEFT AUDIO IN.
- AV-27D304, AV-27D104 and AV-20D304: These front input jacks are located under the front panel door. To access, pull on the door to open it.

Headphone Connection

AV-20D304 ONLY.

You can connect a pair of headphones to the television using the headphone jack located under the front panel door. To access, pull on the door to open it.

1) Plug a headphone jack into the headphone jack on the television's front panel.

Step 3 – The Interactive Plug In Menu

The interactive plug-in menu appears only for AV-20D304 and AV-27D304. If you television is one of the other models, we recommend you to complete the auto tuner setup to begin watching your TV right away. See page 26.

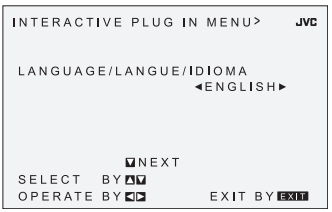
When you turn your television on for the first time the interactive plug-in menu will appear. The plug-in menu helps you to get your TV ready to use by letting you set your preferences for:

- The language in which you want the onscreen menus to appear.
- Setting the TV's clock to the correct time so your timer functions will work properly. You can choose "AUTO" or "MANUAL" for setting the clock.
- The auto tuner setup of which channels you wish to receive.

We recommend you complete the interactive plug-in items before you start using your television.

Language

After the "JVC INTERACTIVE PLUG IN MENU" has been displayed, the TV automatically switches to the LANGUAGE settings. You can choose to view your onscreen menus in three languages: English, French (Français) or Spanish (Español).



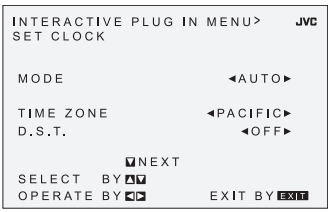
◄► To choose a language:
(English, Français or Español)

▼ To NEXT (To set clock)

(To be continued...)

Auto Clock Set

Before you use any of your TV's timer functions, you must first set the clock. You may precisely set your clock using the XDS time signal broadcast by most public broadcasting stations. If you do not have this in your area, you will have to set the clock manually. See manual clock set below. To set the clock using the XDS signal:



◀▶ To choose AUTO

▼ To TIME ZONE

◀▶ To select your time zone:
(Atlantic, Eastern, Central, Mountain, Pacific, Alaska or Hawaii)

▼ To move to D.S.T. (Daylight Savings Time)

◀▶ To turn D.S.T. ON or OFF

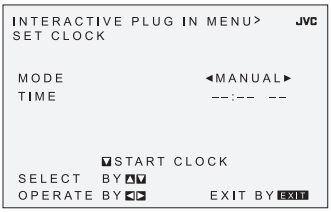
▼ To NEXT (To Auto Tuner Setup)

Notes:

- The Daylight Savings Time feature automatically adjusts your TV's clock for Daylight Savings. The clock will move forward one hour at 2:00 am on the first Sunday in April. The clock will move back one hour at 2:00 am on the last Sunday in October.
- You will have to reset the clock after a power interruption. You must set the clock before operating any timer functions.

Manual Clock Set

To set your clock manually (without using the XDS signal), choose MANUAL. If you choose AUTO, see auto clock set above.



◀▶ To choose MANUAL

▼ To TIME

◀▶ To set the hour

▼ To minute

◀▶ To set the minute

▼ To START CLOCK

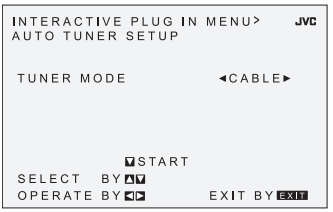
Note:

- You will have to reset the clock after a power interruption. You must set the clock before operating any timer functions.

(To be continued...)

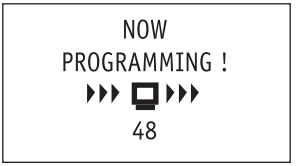
Auto Tuner Setup

In auto tuner setup, the TV automatically scans through all available channels, memorizing the active ones and skipping over blank ones or channels with weak signals. This means when you scan (using the CHANNEL +/– buttons) you will receive only clear, active channels.



◀▶ To choose CABLE or AIR (or SKIP when you skip Auto Tuner Setup)

▼ To START



Programming will take approximately 1 to 2 minutes.

When the setup is finished, THANK YOU!! SETUP IS NOW COMPLETE is displayed. Your quick setup is now complete. You can now begin watching your television, or you can continue on in this guide for more information on programming your remote control, or using the JVC onscreen menu system to customize your television viewing experience.

Notes:

- Noise muting will not work during Auto Tuner Setup.
- Skip appears only for interactive plug-in menu.
- The interactive plug-in menu setting does not appear if your TV has been turned on before. In this case, use the initial setup menu to perform these settings. See pages 34, 39 and 26.

Cable Box and Satellite Users: After your auto tuner setup is complete, you may, (depending on the type of hookup), have only 1 channel, usually 3 or 4 in the auto tuner memory. This is normal.



The Quick Setup is complete

Remote Programming

Setting the CATV, VCR and DVD Codes

You can program your remote to operate your cable box, satellite receiver, VCR or DVD player by using the instructions and codes listed below. If the equipment does not respond to any of the codes listed below or to the code search function, use the remote control supplied by the manufacturer.
Note: The RM-C203 remote can only operate JVC-brand devices.

Cable Box or Satellite Codes

The remote control is programmed with cable box and satellite codes for power on/off, channel up/down, and 10 key operation.

1) Find the cable box or satellite brand from the list of codes shown below.
2) Slide the 2-way selector switch to "CATV".
3) Press and hold down the DISPLAY button, then enter the first code number listed with the 10 key pad.
4) Release the DISPLAY button, and confirm the operation of the cable box/satellite receiver.

- If your cable or satellite box does not respond to the first code, try the others listed. If it does not respond to any code, try the search codes function, on page 23.

Cable Box	CODES
ABC	024
Archer	032, 025
Cableview	051, 032
Citizen	022, 051
Curtis	058, 059
Diamond	024, 032, 025
Eagle	029
Eastern	034
GC Brand	032, 051
Gemini	022, 043
General Instrument	065, 024, 025, 026, 027, 020, 021, 022, 057, 023
Hamlin	040, 041, 042, 045, 058, 064
Hitachi	049, 024
Jerrold	065, 024, 025, 026, 027, 020, 021, 022, 057, 023
Macom	049, 050, 051, 054
Magnavox	033
Memorex	030
Movietime	032, 051
Oak	039, 037, 048
Panasonic	055, 056, 060, 071, 073
Paragon	063
Philips	028, 029, 030, 052, 053, 031, 069
Pioneer	047, 062
Pulsar	051, 032

Cable Box	CODES
Puser	032
RCA	061, 070
Realistic	032
Regal	058, 064, 040, 041, 042, 045, 068
Regency	034
Rembrandt	037, 032, 051, 038
Samsung	051
Scientific Atlanta	057, 058, 059
SLMark	051, 047
Sprucer	051, 056
Stargate	032, 051
Telecaption	067
Teleview	047, 051
Texscan	044
Tocom	035, 036, 066
Toshiba	050
Unika	032, 025
Universal	022, 032
Videoway	052
Viewstar	029, 030
Zenith	063, 046
Zenith/Drake Satellite	046

Digital Satellite Systems	CODES
Echostar	100, 113, 114, 115
Express VU	100, 113
G.E.	106
G.I.	108
Gradiente	112
Hitachi	104, 111
HNS (Hughes)	104
Panasonic	105
Philips	102, 103
Primestar	108
Proscan	106, 109, 110
RCA	106, 109, 110
Sony	107
Star Choice	104, 108
Toshiba	101
Uniden	102, 103

VCR Codes

The remote control is programmed with VCR codes for power on/off, play, stop, fast-forward, rewind, pause, record, channel up/down operation.

1) Find the VCR brand from the list of codes shown below.
2) Slide the first 2-way selector switch to “TV” and the other 2-way selector switch to “VCR”.
3) Press and hold down the DISPLAY button, then enter the first code number listed with the 10 key pad.
4) Release the DISPLAY button, and confirm the operation of the VCR.

- If your VCR does not respond to the first code, try the others listed. If it does not respond to any of the codes, try the search codes function on page 23.
- After you program your remote, some VCR buttons may not work properly. If so, use the VCR’s remote.
- To record, hold down the REC button on the remote and press PLAY.

VCRs	CODES
Admiral	035
Aiwa	027, 032, 095
Akai	029, 072, 073, 074
Audio Dynamic	003, 005
Bell & Howell	063, 071
Broksonic	020, 026, 094
Canon	023, 025
CCE	043
Citizen	064
Craig	063, 029, 064
Curtis Mathes	045, 024, 027, 093
Daewoo	043, 059, 024, 092
DBX	003, 004, 005
Dimensia	045, 093
Emerson	043, 026, 077, 061, 025, 042, 020, 076
Fisher	063, 066, 067, 065, 071, 091
Funai	027, 026, 020, 000
G.E.	033, 045, 024
Go Video	037, 051, 049, 050, 089
Goldstar	064
Gradiente	083, 084, 081, 000, 001
Hitachi	023, 045, 058, 027, 081, 093
Instant Replay	024, 023
Jensen	003
JVC	000, 001, 002, 003, 004, 005
Kenwood	003, 004, 064, 005
LXI	027, 064, 058, 065, 066, 063, 067
Magnavox	031, 023, 024, 086

VCRs	CODES
Marantz	003, 004, 005
Marta	064
Memorex	024, 067
MGA	038, 040, 047, 048, 041, 042
Minolta	058, 045, 093
Mitsubishi	038, 040, 047, 048, 041, 042, 078, 090
Multitech	047, 027, 062
NEC	003, 004, 005, 000
Olympic	024, 023
Optimus	028, 021, 035, 064
Orion	026, 020
Panasonic	023, 024, 021, 022
Penney	024, 058, 045, 063, 003, 004, 005, 093
Pentax	058, 005, 045, 093
Philco	031, 024, 027, 023, 026, 020, 043
Philips	031, 023, 024, 086
Pioneer	023
Proscan	045, 058, 023, 024, 031, 046, 059, 060, 033, 087, 093
Quasar	021, 022, 023, 024
Radio Shack	033, 024, 063, 036, 067, 040, 027
RCA	033, 045, 058, 023, 024, 031, 046, 059, 060, 083, 084, 085, 087, 093
Realistic	024, 063, 036, 067, 040, 027

VCRs	CODES
Samsung	037, 060, 062, 033, 089
Samtron	089
Sansui	003, 026, 020, 052
Sanyo	063, 067, 091, 071
Scott	059, 060, 062, 067, 038, 040, 047, 048, 026, 020
Sears	063, 064, 065, 066, 058, 000, 001
Shintom	075
Sharp	035, 036, 080, 088
Signature 2000	027, 035
Singer	075
Sony	028, 029, 030, 053, 054, 055
SV 2000	027
Sylvania	031, 023, 024, 027
Symphonic	027, 081
Tashiro	064
Tatung	003, 004, 005
Teac	003, 004, 027, 005
Technics	021, 022, 023, 024
Teknika	024, 027, 070
Toshiba	059, 046, 079
Vector Research	005
Wards	035, 036, 067, 044, 064
Yamaha	063, 003, 004, 005
Zenith	044, 082, 064, 094

Remote Programming

DVD Codes

The remote control is programmed with DVD codes for power on/off, play, stop, fast-forward, rewind, previous/next chapter, tray open/close, and still/pause operation.

1) Find the DVD player brand from the list of codes shown below.
2) Slide the first 2-way selector switch to “TV” and the other 2-way selector switch to “DVD”.
3) Press and hold down the DISPLAY button, then enter the first code number listed with the 10 key pad.
4) Release the DISPLAY button, and confirm the operation of the DVD player.

- If your DVD player does not respond to the first code, try the others listed. If it does not respond to any of the codes, try the search codes function on page 23.
- After you program your remote, some DVD buttons may not work properly. If so, use the DVD player’s remote.

DVD Player	CODES	DVD Player	CODES
Aiwa	043	RCA	021, 026
Apex	040	Sampo	034
Denon	020, 037	Samsung	030
Hitachi	030, 031	Sharp	028
JVC	000	Silvania	038
Kenwood	035	Sony	024, 045, 046, 047
Konka	039		
Mitsubishi	025	Technics	020
Onkyo	041	Toshiba	023
Oritron	044	Vialta	050
Panasonic	020	Wave	042
Philips	023, 036	Yamaha	020
Pioneer	022	Zenith	027, 032
Raite	033		

Search Codes

Cable/Satellite Search Codes Function

1) Slide the first 2-Way Mode Selector switch to CATV.
2) Press the POWER and RETURN+ buttons. Hold for at least three seconds and release.
3) Press the POWER button on the remote, and see if the cable or satellite box responds.
4) If there was a response, press RETURN+. The codes are now set. If there was no response, repeat Step 3. If you repeat Step 3 a total of 52 times without a response, use the remote control that came with your equipment.
5) Press RETURN+ to exit.

VCR/DVD Search Codes Function

1) Slide the first 2-way selector switch to “TV” and the other 2-way selector switch to “VCR” or “DVD”.
2) Press the VCR or DVD POWER and RETURN+ buttons. Hold for at least three seconds and release.
3) Press the VCR or DVD POWER button, and see if the VCR or DVD responds.
4) If there was a response, press RETURN+. The codes are now set. If there was no response, repeat Step 3. If you repeat Step 3 a total of 80 times for the VCR (30 times for the DVD player), and there is no response, use the remote control that came with your equipment.
5) Press RETURN+ to exit.

Onscreen Menus

Using the Guide

Certain symbols are used throughout this guide to help you learn about the features of your new television. The ones you will see most frequently are:

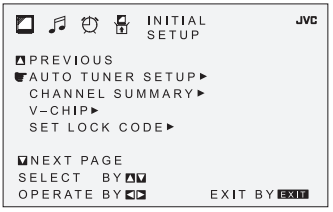
▲▼ Up and Down arrows mean press the CH+ or CH– buttons. Pressing the CH+ or CH– buttons let you:
- Move vertically in a main menu screen
- Move through a submenu screen
- Move to the next letter, number, or other choice in a submenu
- Back up to correct an error
- Scan through TV channels (when not in a menu screen)

◀▶ Left and right arrows mean press the VOLUME+ or VOLUME– buttons to move left or right to:
- Select a highlighted menu item
- Select an item in a submenu
- Select numbers in certain menu options
- Turn the volume up or down (when not in a menu screen)

The "press button" icon means you should press the button named on your remote control. (Button names appear in SMALL CAPITAL LETTERS.)

The "helping hand" icon points to the highlighted or selected item in a menu.

To bring up the onscreen menu, press the MENU button on the remote control. The item that appears in yellow is the one currently selected. If you press the MENU button again, the onscreen display will skip to the next menu screen. If you use the Menu button on the TV's front panel instead of the remote, an additional menu screen showing input will appear. The "interactive plug-in menu" will appear the first time the TV is plugged in.

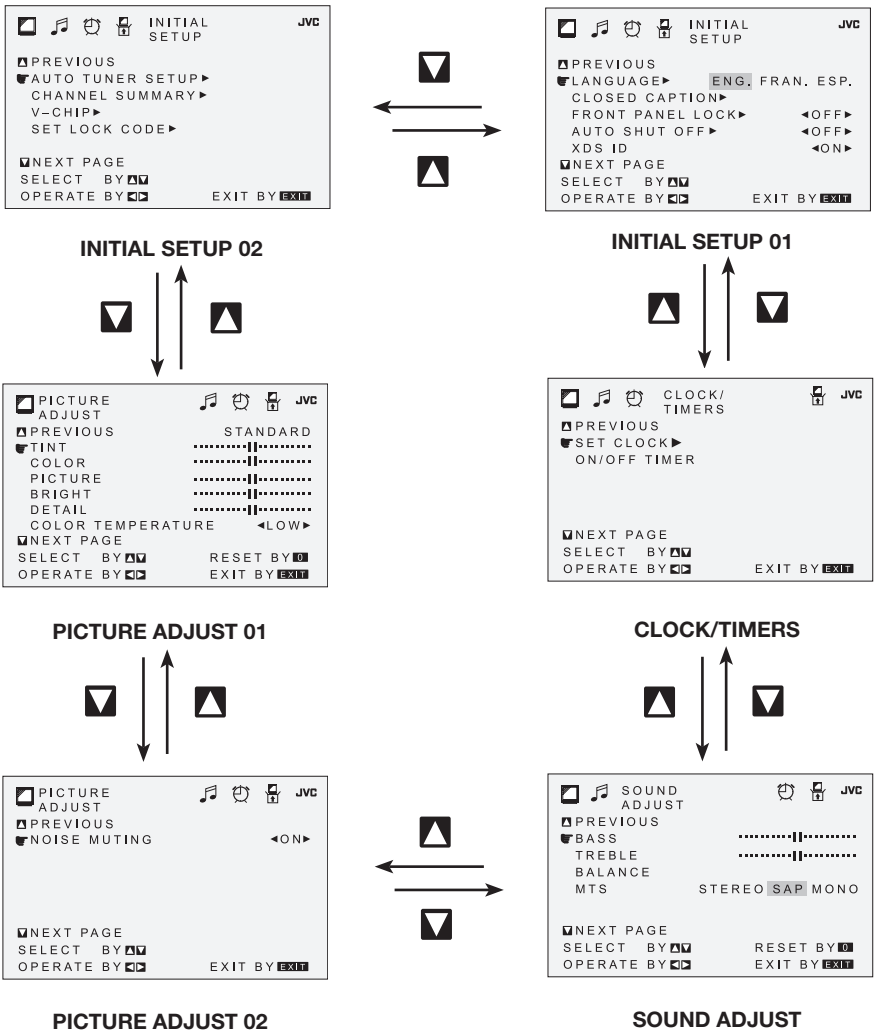


Notes:
- Menus shown in this book are illustrations, not exact replications of the television's onscreen displays.
- If you do not press any buttons for a few seconds, the onscreen menu will automatically shut off.

The Onscreen Menu System

Your television comes with JVC's onscreen menu system. The onscreen menus let you make adjustments to your television's operation simply and quickly. Examples of the Onscreen Menus are shown below. Detailed explanations on using each menu follow later in this guide. For information about the interactive plug-in Menu, see pages 17 - 19.

Press the MENU button



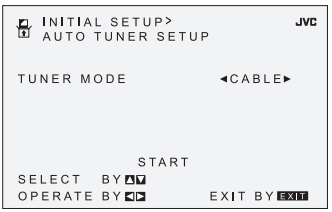
"XDS ID" AV-27D304 and AV-20D304 only.
"Color Temperature" AV-27D304 and AV-20D304 only.

Initial Setup

Auto Tuner Setup

The auto tuner setup function is described on page 19 as the interactive plug-in menu. If you need to run the auto tuner setup again, follow the steps below.

- Press the MENU button
- ▲▼ To AUTO TUNER SETUP
- ◀▶ To operate
- ◀▶ To choose CABLE or AIR
- ▼ To move to START
- ◀▶ To start Auto Tuner Setup



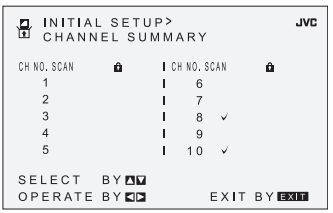
Programming will take approximately 1 to 2 minutes. The auto tuner is finished when the message **PROGRAMMING OVER!** appears onscreen.

Channel Summary

Channel summary allows you to customize the line-up of channels received by your TV. You can add or delete channels from the line-up or prevent any unauthorized viewers from watching any or all 181 channels.

- Press the MENU button
- ▲▼ To CHANNEL SUMMARY
- ◀▶ To operate

The Channel summary screen will now be displayed with the channels set to scan marked with an "✓". You can delete channels from the scan by removing the "✓". If any channels were missed during auto tuner setup and you wish to add them, you may by placing an "✓" next to the channel number.



- ▲▼ To the SCAN column
- ◀▶ To include or delete from scan
- Press the EXIT button when finished

You can block access to a channel by activating the channel lock.

- Press the MENU button
- ▲▼ To CHANNEL SUMMARY
- ◀▶ To operate
- ▲▼ To the Lock Column ( )
- Press the ZERO button to lock or unlock that channel
- Press the EXIT button when finished

Channel Guard Message

When a viewer attempts to watch a guarded channel, the following message appears:

To watch a channel that you have locked, enter the Lock Code using the 10 key pad.
If the wrong code is entered, the message "INVALID LOCK CODE!" will flash on the screen.

The channel cannot be accessed until the correct code is entered.

```
THIS CHANNEL IS LOCKED BY
CHANNEL GUARD.
PLEASE ENTER LOCK CODE BY
10 KEY PAD TO UNLOCK IT.
          NO. - - - -
```

Notes:

- Once a channel has been unlocked, it will remain unlocked until the television is turned off.
- See also "Set Lock Code", page 33.

V-Chip

Your TV is equipped with V-Chip technology which enables you to block channels or content that you feel to be inappropriate for children, based on US and Canada rating guidelines. V-Chip has no effect on video signals from a DVD discs, VCR tapes or Camcorder connection.

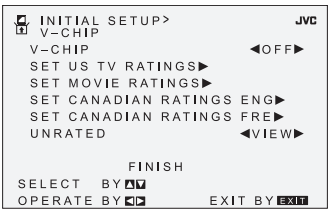
Note: Some programs, and movies are broadcast without a ratings signal. Even if you set up V-CHIP ratings limits, these programs will not be blocked. See page 28 for information on how to block unrated programs.

Note (for Canadian viewers): The V-Chip function is based on specifications designed for the United States and therefore may not work properly in Canada.

You can customize the V-Chip settings of your television to match your personal tastes. The V-Chip menu below is the starting point for your V-Chip settings

You can use US V-Chip settings (for programming broadcast from the United States), Canadian V-Chip settings (for programming broadcast from Canada), and movie ratings. You may use any or all of the settings (US V-Chip, Canada V-Chip, Movie ratings). Descriptions for setting each of the three V-Chip formats appear in the next six pages along with descriptions of the rating categories.

To access the rating categories:



Press the MENU button

▲▼ To V-CHIP
◀▶ To operate (Lock icon will appear)

Press ZERO to access the V-Chip menu

◀▶ To turn V-Chip ON or OFF (V-Chip must be turned ON for rating settings to operate)

▲▼ To move to SET US TV RATINGS, SET MOVIE RATINGS, or SET CANADIAN RATINGS (see following pages for descriptions of each item)

Initial Setup

Unrated Programs

Unrated programming refers to any programming which does not contain a rating signal. Programming on television stations which do not broadcast rating signals will be placed in the "Unrated Programming" category.

Examples of Unrated programs:

- Emergency Bulletins
- News
- Public Service Announcements
- Sports
- Some Commercials
- Locally Originated Programming
- Political Programs
- Religious Programs
- Weather

Note:

- TV programs or movies that do not have rating signals will be blocked if the unrated category is set to BLOCK.

Directions to Block Unrated Programs

You can block programs that are not rated.

Press the MENU button

▲▼ To V-CHIP

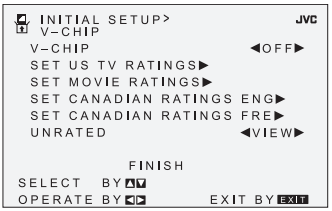
◀▶ To operate (The lock icon appears)

Press ZERO to access V-Chip setup options

▲▼ To UNRATED

◀▶ To VIEW or BLOCK

Press EXIT when done



US V-Chip Ratings

U.S. PARENTAL RATING SYSTEMS

Programs with the following ratings are appropriate for children.

- ❒ **TV Y is Appropriate for All Children**
  Programs are created for very young viewers and should be suitable for all ages, including children ages 2 - 6.
- ❒ **TV Y7 is for Older Children**
  Most parents would find such programs suitable for children 7 and above. These programs may contain some mild fantasy violence or comedic violence, which children should be able to discern from reality.

Programs with the following ratings are designed for the entire audience.

- ❒ **TV G stands for General Audience**
  Most parents would find these programs suitable for all age groups. They contain little or no violence, no strong language, and little or no sexual dialog or situations.
- ❒ **TV PG Parental Guidance Suggested**
  May contain some, but not much, strong language, limited violence, and some suggestive sexual dialog or situations. It is recommended that parents watch these programs first, or with their children.
- ❒ **TV 14 Parents Strongly Cautioned**
  Programs contain some material that may be unsuitable for children under the age of 14 including possible intense violence, sexual situations, strong coarse language, or intensely suggestive dialog. Parents are cautioned against unattended viewing by children under 14.
- ❒ **TV MA Mature Audiences Only**
  These programs are specifically for adults and may be unsuitable for anyone under 17 years of age. TV MA programs may have extensive V, S, L, or D.

Viewing Guidelines

In addition to the ratings categories explained above, information on specific kinds of content are also supplied with the V-Chip rating. These types of content may also be blocked. The content types are:

- **V/FV** is for VIOLENCE/FANTASY VIOLENCE
- **S** stands for SEXUAL CONTENT
- **L** stands for strong LANGUAGE
- **D** stands for suggestive DIALOG

Initial Setup

Setting US V-Chip Ratings

Press the MENU button

▲▼ To V-CHIP

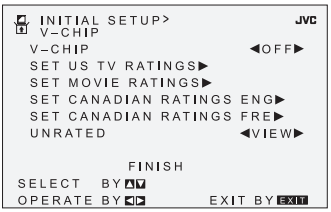
◀▶ To operate (lock icon 🔒 appears)

Press ZERO to access the V-Chip menu

◀▶ To turn V-Chip ON or OFF

▲▼ To move to SET US TV RATINGS

◀▶ To operate



Directions to set US V-Chip Ratings

Line up the cursor in the column (TV PG, TV G, etc.) with the content row (V/FV, S, etc.) and press the ▲ or ▼ to move the cursor to the correct location. Press ◀ or ▶ to turn the locking feature on or off. An item is locked if the 🔒 icon appears instead of a "—".

For example. To block viewing of all TV 14 shows, move the cursor to the top row of that column and add a lock icon. Once you've put a lock on the top row, everything in that column is automatically locked.

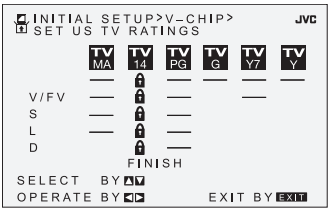
▲▼ To the TV 14 Column

◀▶ To turn on the lock

▲▼ To FINISH

◀▶ To save settings and exit

Press the EXIT button when finished



Note:

- If you want to change the setup, move the cursor to the top column and change the lock icon to "—" by pressing ◀ or ▶ again. You may then select individual categories to block.

Movies Ratings

- **NR – Not Rated**
  This is a film which has no rating. In many cases these films were imported from countries which do not use the MPAA ratings system. Other NR films may be from amateur producers who didn't intend to have their film widely released.

  NR (Not Rated) Programming may contain all types of programming including children's programming, foreign programs, or adult material.
- **G – General Audience**
  In the opinion of the review board, these films contain nothing in the way of sexual content, violence, or language that would be unsuitable for audiences of any age.
- **PG – Parental Guidance**
  Parental Guidance means the movie may contain some contents such as mild violence, some brief nudity, and strong language. The contents are not deemed intense.
- **PG-13 – Parents Strongly Cautioned**
  Parents with children under 13 are cautioned that the content of movies with this rating may include more explicit sexual, language, and violence content than movies rated PG.
- **R – Restricted**
  These films contain material that is explicit in nature and is not recommended for unsupervised children under the age of 17.
- **NC-17 – No One Under 17**
  These movies contain content which most parents would feel is too adult for their children to view. Content can consist of strong language, nudity, violence, and suggestive or explicit subject matter.
- **X – No One under 18**
  Inappropriate material for anyone under 18.

Directions to set Movie (MPAA) Ratings

Press the MENU button

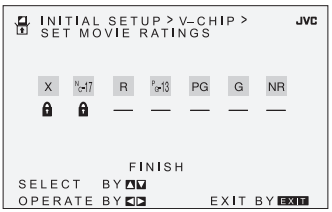
▲▼ To V-CHIP
◀▶ To operate (Lock icon appears)

Press ZERO to access V-Chip setup options

▲▼ To SET MOVIE RATINGS
◀▶ To enter movies menu

For example:

To block viewing of X and NC-17 rated from shows:



▲▼ To the X Column
◀▶ To turn on the lock
▲▼ To the NC-17 Column
◀▶ To turn on the lock
▲▼ To FINISH
◀▶ To save settings and exit
Press the EXIT button when finished

Initial Setup

Canadian V-Chip Ratings

- ❒ **E – Exempt**
  Exempt programming includes: news, sports, documentaries and other information programming, talk shows, music videos, and variety programming.
- ❒ **C – Programming Intended for Children**
  Violence Guidelines: There will be no realistic scenes of violence. Depictions of aggressive behavior will be infrequent and limited to portrayals that are clearly imaginary, comedic or unrealistic in nature.
- ❒ **C8+ – Programming Intended for Children 8 and Over**
  Violence Guidelines: Any realistic depictions of violence will be infrequent, discreet, of low intensity and will show the consequences of the acts. There will be no offensive language, nudity or sexual content.
- ❒ **G – General Audience**
  Programming will contain little violence and will be sensitive to themes which could affect younger children.
- ❒ **PG – Parental Guidance**
  Programming intended for a general audience, but which may not be suitable for younger children. Parents may consider some content not appropriate for children aged 8-13.
- ❒ **14+ – 14 Years and Older**
  Parents are strongly cautioned to exercise discretion in permitting viewing by pre-teens and early teens. Programming may contain mature themes and scenes of intense violence.
- ❒ **18+ – Adult**
  Material intended for mature audiences only.

Directions to set Canadian V-Chip Ratings

Press the MENU button

▲▼ To V-CHIP
◀▶ To operate (lock icon appears)

Press ZERO to access V-Chip setup options

▲▼ To SET CANADIAN RATINGS ENG (for English)
◀▶ To enter ratings menu

For example:

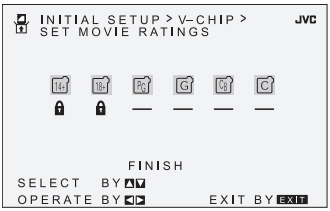
To block viewing of programming rated 14+ and 18+:

▲▼ To the 18+ Column
◀▶ To turn on the lock

▲▼ To the 14+ Column
◀▶ To turn on the lock

▲▼ To FINISH
◀▶ To save settings and exit

Press the EXIT button when finished

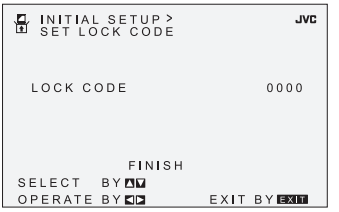


Note:

- For instructions on “SET CANADIAN RATINGS FRE (in French)”, please see page 32 in the French side of this user’s guide.

Set Lock Code

Channel guard and V-Chip settings are protected by a four-digit lock code. Your TV comes pre-set with a lock code of “0000”. You may change the code to any four-digit number you wish. To change the lock code, follow the steps below.



Press the MENU button

▲▼ To SET LOCK CODE

◀▶ To operate (lock icon appears)

Press ZERO to access the lock code

The first digit will be highlighted

◀▶ To select the number

▲▼ To move to the next digit

Continue to follow these directions for all four numbers

▲▼ To FINISH

◀▶ To save settings and exit
(your lock code is now set)

Press the EXIT button when finished

When a viewer attempts to watch a blocked channel, this message appears:

```
THIS PROGRAMMING EXCEEDS
YOUR RATING LIMITS.
PLEASE ENTER LOCK CODE BY
10 KEY PAD TO UNLOCK IT.
          NO. - - - -
```

The channel will remain blocked until the correct lock code is entered (see above for information on setting your lock code).

Notes:

- After a power interruption you must reset the lock code.
- Write your lock code number down and keep it hidden from potential viewers.
- If you forget the lock code, a new code may be set using the steps listed above.

Initial Setup

Language

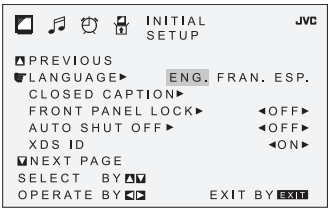
The language function is described on page 17 as the interactive plug-in menu. If you need to choose the language again, follow the steps below.

Press the MENU button

▲▼ To LANGUAGE

◀▶ To choose a language: ENG. (English), FRAN. (French) or ESP. (Spanish)

Press the EXIT button when finished



Closed Caption

Many broadcasts now include an onscreen display of dialog called closed captions. Some broadcasts may also include displays of additional information in text form. Your television can access and display this information using the closed caption feature. To activate the closed caption feature, follow the steps below.

Press the MENU button

▲▼ To CLOSED CAPTION

◀▶ To operate

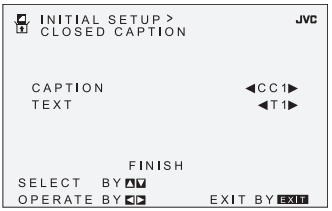
▲▼ To select CAPTION or TEXT

◀▶ To select a caption (CC1 to CC4) or text channel (T1 to T4)

▲▼ To accept that selection and move to FINISH

◀▶ To save settings and exit

Press the EXIT button when finished



Notes:

- Closed caption subtitles are usually found on closed caption channel CC1. Some programs may include additional text information which is usually found on text channel T1. The other channels are available for future use.
- Closed captioning may not work correctly if the signal being received is weak or if you are playing a video tape.
- Most broadcasts containing closed captioning will display a notice at the start of the program.
- To select the mode, press the C.C. button. See page 45.

XDS ID

XDS ID Display provides a channel's call letters, the network's name, and even a program name. The XDS ID information is provided by the broadcaster.

Press the MENU button

▲▼ To XDS ID

◀▶ To turn ON or OFF

Press the EXIT button when finished

- For models AV-20D304 and AV-27D304.

Front Panel Lock

This allows you to lock the keys on the front of the TV, so that a child may not accidentally change your viewing preferences.


Press the MENU button

▲▼
◀▶
To FRONT PANEL LOCK
To turn ON or OFF


Press the EXIT button when finished

You can turn off this feature in the following ways:

- Unplug the power cord, and plug it back in. Do this if your batteries die, or you lose your remote control.
- Use the remote control.
- Press the MENU button on the front of the TV for more than 3 seconds. In this case, the OSD for FRONT PANEL LOCK will appear.

Note:

- To turn ON/OFF the TV, press the power button for more than 3 seconds. This feature will remain ON.

Auto Shut Off

This function automatically shuts off your TV when there is no signal from the channel the TV is on.


Press the MENU button

▲▼
◀▶
To AUTO SHUT OFF
To turn ON or OFF


Press the EXIT button when finished

- If the channel that you have on does not receive a signal for more than one minute, the blinking text “NOT RECEIVING A SIGNAL” appears on the screen, and starts the countdown. If no signal is being received within 10 minutes, the TV shuts itself off.

Picture Adjust

Picture Settings

These settings allow you to change and adjust the way the picture appears on your television.

TINT
Tint allows you to adjust the levels of red and green in your TV picture.

COLOR
The color function lets you make all the colors in the TV picture appear either more vivid or subtle.

PICTURE
Picture allows you to adjust the levels of black and white on the TV screen, giving you a darker or brighter picture overall.

BRIGHT
You can adjust the overall brightness of the TV picture with the Bright control.

DETAIL
The Detail feature adjusts the level of fine detail displayed in the picture.

Adjust the Picture Settings

Press the MENU button

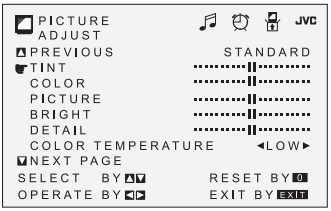
▲▼ To TINT, COLOR, PICTURE, BRIGHT or DETAIL

◀ ▶ To enter

◀ ▶ To adjust the setting

▲▼ To move to the next setting

Press the EXIT button when finished



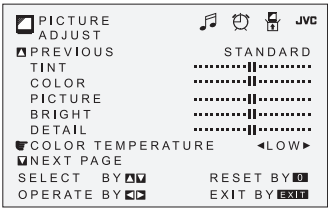
Note:

- If you press the 0 button, you can reset the setting to the factory default setting.

Color Temperature

You can decide how strong or dull the colors appear on the TV screen.

- Press the MENU button
- ▲▼ To COLOR TEMPERATURE
- ◀▶ To enter
- ◀▶ To set LOW or HIGH
- Press the EXIT button when finished



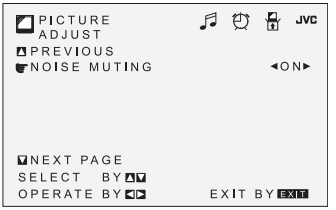
- For models AV-27D304 and AV-20D304 only.

Note: If you press the 0 button, you can reset the color temperature to “LOW”.

Noise Muting

This feature inserts a blank blue screen over channels which are not broadcasting or are too weak to be received clearly.

- Press the MENU button
- ▲▼ To NOISE MUTING
- ◀▶ To turn noise muting ON or OFF
- Press the EXIT button when finished



Note:

- Noise muting will not work during auto tuner setup or when you operate channel summary.

Sound Adjust

Sound Settings

These settings allow you to change and adjust the way the picture appears on your television.

BASS – You can increase or decrease the level of low-frequency sound in the TV's audio with the bass adjustment.

TREBLE – Use treble to adjust the level of high-frequency sound in your TV's audio.

BALANCE – Adjust the level of sound between the TV's left and right speakers with the balance setting.

Adjust the Sound Settings

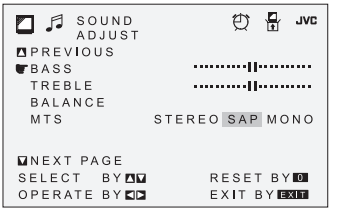
Press the MENU button

▲▼ To BASS, TREBLE or BALANCE

◀ ▶ To adjust the setting

▲▼ To move to the next setting

Press the EXIT button when finished



Notes:

- You can reset the sound adjustments (BASS TREBLE and BALANCE) you set at once as the default setting when you select reset.
- If you press the 0 button, you can reset the setting to the factory default setting.

MTS (Multi-Channel Television Sound)

MTS technology allows several audio signals to be broadcast at once, giving you a choice in what you wish to hear with a TV program. In addition to mono or stereo sound, an MTS broadcast may also include a second audio program (SAP).

Press the MENU button

▲▼ To MTS

◀▶ Select the mode

(The ON AIR arrow tells you if a broadcast is in stereo and/or contains an SAP).

Press the EXIT button when finished

Notes:

- Keep the TV in stereo mode to get the best sound quality. The sound will work in stereo mode even if a certain broadcast is in mono sound only.
- Choose the mono setting to reduce excessive noise on a certain channel or broadcast.
- Selecting SAP will allow you to hear an alternative soundtrack, if one is available.
- MTS is unavailable if your television's input source is in input 1, 2, or 3 mode, as described on page 45.

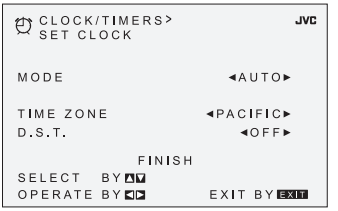
Set Clock

The set clock function is described on page 18 as the interactive plug-in menu. You can choose to set the clock automatically, or manually. If you need to set the clock again, follow the steps below.

- Press the MENU button
- ▲▼ To SET CLOCK
- ◀▶ To operate

When you set the clock automatically, choose AUTO by pressing the ◀ or ▶ arrows.

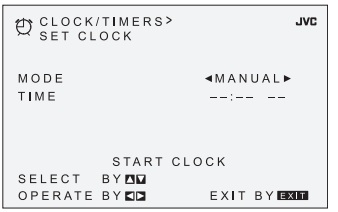
- ▲▼ To TIME ZONE
- ◀▶ To select your time zone
- ▲▼ To D.S.T. (daylight savings time)
- ◀▶ To turn D.S.T. ON or OFF
- ▼ To FINISH
- ◀▶ To save settings
- Press the EXIT button when finished



When you set the clock manually, choose MANUAL by pressing the ◀ or ▶ arrows.

- ▲▼ To move to the hour
- ◀▶ To set the hour
- ▲▼ To move to minutes
- ◀▶ To set the minutes
- ▼ To START CLOCK
- ◀▶ To operate

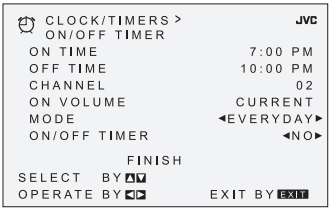
THANK YOU!!



Clock/Timers

On/Off Timer

The on/off timer lets you program your television to turn itself on or off. You can use it as an alarm to wake up, to help you remember important programs, or as a decoy when you're not home.



- Press the MENU button
- ▲▼ To ON/OFF TIMER
- ◀▶ To operate (begins with ON TIME)
- ◀▶ To set the hour (AM/PM) you want the TV to turn on
- ▼ To move to minutes
- ◀▶ To set the minutes
- ▼ To accept ON TIME and move to OFF TIME (the time the TV will turn off). Set the OFF TIME the same way as ON TIME
- ▼ To accept OFF TIME and move to CHANNEL
- ◀▶ To select channel
- ▼ To ON VOLUME
- ◀▶ To set the volume level
- ▼ To move to MODE
- ◀▶ Choose ONCE or EVERYDAY
- ▼ To ON/OFF TIMER
- ◀▶ Choose YES to accept the timer setting, choose NO if you don't wish to accept
- ▼ To FINISH
- ◀▶ To save settings
- Press the EXIT button when finished

Notes:

- The on/off time cannot be set to locked or guarded channels.
- In order for the on/off timer to work, the clock must be set.
- After a power interruption, the timer settings must be reset.

Button Functions

Power

Turns the TV on or off.



Press the POWER button

Number Buttons - 10Key Pad

Use the number buttons on the remote control to move directly to a specific channel. For example, to move to channel 7:



0 (Zero)



7 (Seven)

Channel +/–

Use these buttons to move up or down all the available channels your TV is able to recieve.

Volume +/–

Use these buttons to raise or lower the TV's volume level.

100+ Button

Use the 100+ button to directly access channels above channel 99. For example, to move to channel 124, press 100+, 2 (Two), 4 (Four).

Menu

The MENU button allows you to access JVC's onscreen menu system. Press MENU to activate the onscreen menu system.

- See individual topics like "Sound Adjust" for specific information on using menus.

Exit

Use this button to enter or exit the TV's onscreen menus.

Button Functions

Return +

The RETURN+ button has two functions:

Return - Returns to the channel viewed just before the channel currently onscreen.

Return+ - Lets you program a specific channel to return to while scanning through the channels using the CH+ and CH– buttons.



RETURN+ and hold for three seconds

RETURN CHANNEL
PROGRAMMED !

The channel currently active has been programmed as your return+ channel. Now scan through the channels using the CHANNEL+/– buttons.



RETURN+

You will return to your programmed channel.

- To cancel your Return+ channel, press and hold the RETURN+ button for three seconds. The message “RETURN CHANNEL CANCELLED!” will appear.
- Return+ works only with the CH+/– buttons. Pressing any number key will cancel Return+.

Sleep Timer

The Sleep Timer can turn the TV off for you after you fall asleep. Program it to work in intervals of 15 minutes, for a total time of up to 180 minutes.



Press the SLEEP TIMER button

→ 0 15 30 45 60 75 90 105 120 135 150 165 180 →

Sleep Timer Message

20 seconds before the automatic shutoff, this message will appear:

GOOD NIGHT!!
PUSH SLEEP TIMER BUTTON
TO EXTEND.

You then have 20 seconds to press the sleep timer button to delay the shut off for another 15 minutes.

Muting

The MUTING button instantly turns the volume down completely when you press it. Press MUTING and the volume level will instantly go to zero. To restore the volume to its previous level, press MUTING again.

Button Functions

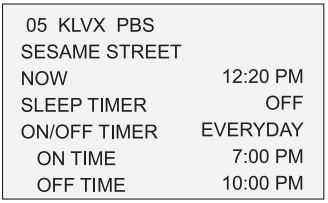
Display

The display screen shows the current status of timers, inputs, and XDS ID.

Press the DISPLAY button

The screen to the right shows the following information:

- The current channel or AV input (Channel 05)
- The current time (12:20 pm)
- Sleep timer status/minutes remaining (The Sleep Timer is off)
- On/off timer status (Set to turn on everyday at 7:00 PM, off at 10:00 PM)
- Each Press of the DISPLAY button changes the display mode:





Display - Full screen shown above

Time - Shows the current time only

Channel - Shows the current channel

Off - Turns display off

Notes:

- You may also turn off the display at any step by pressing MENU.
- If the clock, sleep timer or on/off timer are not set, the display screen will show: "CLOCK NOT SET", "SLEEP TIMER OFF", and "ON/OFF TIMER OFF" respectively.

Video Status

The VIDEO STATUS button gives you a choice of four TV picture display settings, including a display of your own preferences.

STANDARD - Resets the picture display to the factory settings.

DYNAMIC - Heightens contrast.

THEATER - Gives a rich, film-like look to video when viewing in a dimly lit room.
(AV-27D304, AV-20D304 and AV-27D104 only)

SPORTS - When you watch a sports program.
(AV-27430, AV-27432, AV-32430 and AV-32432 only)

GAME - Used for when you are playing video games connected to your TV.

Press the VIDEO STATUS button
By every press of the video status button, you change the mode.



Button Functions

Sound

RM-C1253G only

The SOUND button give you a choice of two sound effects.

Hyper Surround - Creates a deep, three-dimensional sound effect by channeling the audio through the TV's front-firing speakers.

BBE - BBE high definition audio adds natural, clear and extraordinary sound quality to any program.

Press the SOUND button

▲▼ To select HYPER SURROUND or BBE
◀▶ To choose the setting

Press the EXIT when finished



Note: BBE is a registered trademark of BBE Sound, Inc. For U.S., licensed from BBE Sound, Inc. under USP 4638258, 4482866 and 5510572. For Canada, licensed from BBE Sound, Inc. BBE is a registered trademark of BBE Sound, Inc.

Hyper Surround

RM-C1255G and RM-C1254G only

Creates a deep, three-dimensional sound effect by channeling the audio through the TV's front-firing speakers. Press the HYPER SURR. (Hyper Surround) button to turn the effect on or off.

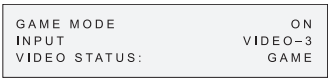


Game

RM-C1255G and RM-C203 only

Sets automatically the proper conditions for playing video game (previously connected in the front input).

Press the GAME button



Button Functions

TheaterPro D6500K

RM-C1253G and RM-C1254G only

The TheaterPro D6500K color temperature technology function makes sure that the video you watch is set to the standard color temperature, so that what you see is as true to what the film to video editors intended it to be.



Press the THEATER PRO button

Input

Selects the signal input source for the television: TV (for Antenna or Cable) or Video-1, 2, or V2-Component or Video-3 for video devices like VCR's, DVD players, or camcorders.



Press the INPUT button

→ TV → VIDEO–1 → VIDEO–2 → V2–COMPONENT → VIDEO–3 →

C.C. (Closed Caption)

Use the C.C. (Closed Caption) button to select the mode of closed caption.



Press the C.C. button

→ OFF → CAPTION → TEXT →

- See page 34 when you set the caption/text mode.

TV/CATV Slide Switch

RM-C1253G, RM-C1254G, RM-C1255G only

Use either the television's own tuner or a cable box to select channels. Set this switch to **TV** to operate the television's built-in tuner. Move the switch to **CATV** to operate a cable box.

Note:

- See page 20 for information on programming your remote for cable box operation.

Button Functions

VCR/DVD Slide Switch

RM-C1253G, RM-C1254G, RM-C1255G only

You can control a VCR or DVD player with the buttons on the lower part of the remote control. Move the slide switch to **VCR** or **DVD** to operate.

Notes:

- The remote is preset with the code 000 to control JVC-brand VCR's. For any other manufacturer's brand VCR, please see the code chart and instructions on page 21.
- The remote is preset with the code 000 to control JVC-brand DVD players. For any other manufacturer's brand DVD player, please see the code chart and instructions on page 22.

VCR Buttons

Note: The RM-C203 remote controls can only be used with JVC-brand VCRs

You can use this remote control to operate the basic functions of your VCR. These functions include: play, record, rewind, fast-forward, stop, pause, channel scan, TV/VCR, power on, and power off.

Move the selector switch to **VCR** to operate.

- The remote is preset with the code 000 to control JVC-brand VCR's. For any other manufacturer's brand VCR, please see the code chart and instructions on page 21.

DVD Buttons

RM-C1253G, RM-C1254G, RM-C1255G only

You can also use this remote control to operate the basic functions of your DVD player. These functions include: play, rewind, fast-forward, stop, still/pause, previous/next, tray open/close, power on, and power off.

Move the selector switch to **DVD** to operate.

- The remote is preset with the code 000 to control JVC-brand DVD players. For any other manufacturer's brand DVD player, please see the code chart and instructions on page 22.

Light

RM-C1253G only

Your remote control includes illuminated buttons for key features like channel +/– and Volume +/–. Press the LIGHT button to turn the illumination on for 4 seconds.

PROBLEMS	CHECK
There is no power	• See if the power cord became unplugged. • Check for a blown fuse or circuit breaker or a power outage.
There is no picture or sound	• The antenna could be disconnected. • The input mode could be set improperly. See page 45. • The tuner (Auto Tuner Setup) could be set improperly. See page 26. • The TV station may be having difficulties. Check to see if other stations are working.
Remote control is not operating properly or at all	• Check to see that the batteries are still working and properly installed. • Make sure the remote has a clear sight path to the TV. • Check that the TV/CATV switch is in the proper position. (Except for RM-C203). • You may be too far from the TV. You must be within 23 feet (7 meters).
You cannot select a certain channel	• Make sure the channels have been programmed. See "Channel Summary", page 26. • Check to see if the channel is locked. See "Channel Summary - Lock" page 26.
The power turns off by itself	• Make sure the set did not become unplugged. • Perhaps the On/Off Timer is set. See page 40. • Check to see if the Sleep Timer was set. See page 42.
The clock is wrong	• The power was interrupted and the clock was not reset. See page 39.
The On Timer is blinking	• There is a problem with the TV. Unplug the set and call for service.
The color quality is poor	• Tint and Color may be improperly adjusted. See page 36. • The Video Status mode may be turned to the wrong setting. See page 43.
There are lines across the picture	• There could be interference from another electrical appliance, such as a computer, another TV or VCR. Move any such appliances further away from the TV.
The picture is spotted	• There could be interference from a high-wattage appliance, like a hairdryer or vacuum, operating nearby. Move the antenna away from the appliance or change to a coaxial cable connection which is less prone to interference.
There are double pictures (ghosts)	• A building or passing airplane can reflect the original signal and produce a second, slightly delayed one. Adjust your antenna position.
Picture is snowy (image noise)	• Your antenna may be damaged, disconnected or turned. Check the antenna connection. If the antenna is damaged, replace it.
Screen is 40% black	• The Closed Caption Text mode is on. Turn it off in the Closed Caption Menu, page 45.
Stereo or bilingual programs can't be heard	• Make sure the MTS settings are correct. See "MTS" on page 38.
Static electricity	• It is normal to feel static electricity if you brush or touch the screen.
You hear occasional crackling sounds	• It is normal for the TV to make crackling sounds when first turned on or off. Unless the sound or picture become abnormal, this is fine.

Warranty

For Canadian model televisions, see the separate sheet for Canadian Warranty information.

JVC COMPANY OF AMERICA warrants this product and all parts thereof, except as set forth below ONLY TO THE ORIGINAL PURCHASER AT RETAIL to be FREE FROM DEFECTIVE MATERIALS AND WORKMANSHIP from the date of original retail purchase for the period shown below (the "Warranty Period") (PICTURE TUBE is covered for Two (2) years.)

Parts	Labor
1 YEAR	1 YEAR

THIS LIMITED WARRANTY IS VALID ONLY IN THE FIFTY (50) UNITED STATES, THE DISTRICT OF COLUMBIA AND COMMONWEALTH OF PUERTO RICO.

WHAT WE WILL DO:
If this product is found to be defective within the warranty period, JVC will repair or replace defective parts at no charge to the original owner. Such repair and replacement services shall be rendered by JVC during regular business hours at JVC authorized service centers. Parts used for replacement are warranted only for the remainder of this Warranty Period. All products and parts thereof may be brought to a JVC authorized service center on a carry-in basis. Televisions with a screen size of 25 inches and larger may be covered on an in-home basis where such service is available.

WHAT YOU MUST DO FOR WARRANTY SERVICE:
To determine if in-home service is available in your area, either contact the selling dealer (retailer) or call 1-800-537-5722 to locate the nearest JVC authorized service center. Service locations can also be obtained from our website http://www.jvcservice.com. In-home service, if available, will require clear access to the Television by the service representatives. If in-home service is not available, carry in service will be provided.

If service is not locally available, box the product carefully, preferably in its original carton, and ship, insured, with a copy of your bill of sale plus a letter of explanation of the problem to the nearest JVC Factory Service Center, the name and location which will be given to you by the toll free number.

If you have any questions concerning your JVC Product, please contact our Customer Relations Department.

WHAT IS NOT COVERED:
This limited warranty provided by JVC does not cover:

1) **Products which have been subject to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, or if repaired or serviced by anyone other than a service facility authorized by JVC to render such service, or if affixed to any attachment not provided with the products, or if the model or serial number has been altered, tampered with, defaced or removed;**
2) **Initial installation, installation and removal from "built-in" entertainment centers and other mounting systems;**
3) **Operational adjustments covered in the Owner's Manual, normal maintenance, video and audio head cleaning;**
4) **Damage that occurs in shipment, due to an act of God, and cosmetic damage;**
5) **Signal reception problems and failures due to line power surge;**
6) **Video Pick-up Tubes/CCD Image Sensor, Cartridge, Stylus (Needle) are covered for 90 days from the date of purchase;**

7) Accessories;
8) Batteries (except that Rechargeable Batteries are covered for 90 days from date of purchase.)

There are no express warranties except as listed above.

THE DURATION OF ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILTY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

JVC SHALL NOT BE LIABLE FOR THE LOSS OF USE OF THE PRODUCT, INCONVENIENCE, OR ANY OTHER DAMAGES, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTIAL (INCLUDING, WITHOUT LIMITATION, DAMAGE TO TAPES, RECORDS OR DISCS) RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE, ARE LIMITED TO THE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion of incidental or consequential damages or limitations on how long the warranty lasts, so these exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary state to state.

JVC COMPANY OF AMERICA
DIVISION OF JVC AMERICAS CORP.
1700 Valley Road
Wayne, New Jersey 07470
http://www.jvcservice.com

REFURBISHED PRODUCTS CARRY A SEPARATE WARRANTY. THIS WARRANTY DOES NOT APPLY FOR DETAILS OF REFURBISHED PRODUCT WARRANTY. PLEASE REFER TO THE REFURBISHED PRODUCT WARRANTY INFORMATION PACKAGED WITH EACH REFURBISHED PRODUCT.

For customer use:
Enter below the Model No. and Serial No. which is located either on the rear, bottom or side of the cabinet.
Retain this information for future reference.

Model No.: _____ **Serial No.:** _____
Purchase Date: _____ **Name Of Dealer:** _____

Authorized Service Centers

QUALITY JVC SERVICE

HOW TO LOCATE YOUR JVC SERVICE CENTER

TOLL FREE: 1 (800) 537-5722

http://www.jvc.com

Dear Customer,

In order to receive the most satisfaction from your purchase, please read the instruction booklet before operating the unit. In the event that repairs are necessary, please call 1 (800) 537-5722 for your nearest authorized servicer or visit our website at **www.JVC.com**

Remember to retain your Bill of Sale for Warranty Service.

Do not service the television yourself

Caution

To prevent electrical shock, do not open the cabinet. There are no user serviceable parts inside. Please refer to qualified service personnel for repairs.

Accessories

To purchase accessories for your JVC product, please call toll free:
1 (800) 882-2345 or on the web at **www.JVC.com**

Specifications

MODEL	AV-20D304	AV-27430 AV-27432	AV-27D304 AV-27D104	AV-32430 AV-32432
Reception Format	NTSC, BTSC System (Multi-Channel Sound)			
Reception Range	VHF 2 to 13, UHF 14 to 69 Sub Mid, Mid, Super, Hyper and Ultra bands (181 channel frequency synthesizer system)			
Power Source	AC 120V, 60Hz			
Power Consumption	75W	105W	105W	128W
Screen Size	20 inch / 51 cm measured diagonally full square	27 inch / 68 cm measured diagonally full square		32 inch / 80 cm measured diagonally full square
Audio Output	1.2W + 1.2W			3W + 3W
Speakers	2 x 3 1/2 / 5x9 cm oval x 2			
Antenna Terminal	75 ohms (VHF/UHF) (F-type connector)			
External Input Jacks	Video: 1 Vp-p, 75 ohms Audio: 500mVrms (-4dBs) high impediance			
S-Video Input Jack	Y: 1Vp-p positive, 75 ohms (negative sync provided) C: 0.286 Vp-p (burst signal), 75 ohms			
Component Input Jacks	Y: 1Vp-p positive, 75 ohms (negative sync provided) PB/PR: 0.7 Vp-p, 75 ohms			
Audio Output (FIX)	500mVrms (-4dBs) Low impedance (400 Hz when modulated 100%)			
Headphone Jack	Ø3.5 mm x 1	——		
Dimensions (In) WxHxD (cm)	23 3/8 x 18 x 19 1/4 59.2 x 45.6 x 48.7	25 3/4 x 23 3/8 x 19 1/2 65.4 x 59.3 x 49.4	29 5/8 x 23 1/4 x 23 75.2 x 59.0 x 53.1	30 1/4 x 26 1/4 x 21 1/2 76.8 x 66.7 x 54.7
Weight (lbs / kg)	45.0 / 20.4	68.5 x 31.1	70.8 / 32.2	112.2 / 51.0
Accessories	Remote control unit x 1, AA batteries x 2 or Lithium cell battery x 1			

Specifications subject to change without notice.

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