Self Diagnosis Supported model

SERVICE MANUAL

AE-5A CHASSIS

MODEL	COMMANDER	DEST	CHASSIS NO.	MODEL	COMMANDER	DEST	CHASSIS NO.
KV-36FS70	RM-892	Europe	SCC-Q41B-A	KV-36FS70K	RM-892	OIRT	SCC-Q42A-A

FD Trinitron





TRINITRON ® COLOR TV

SONY®

Self Diagnosis Supported model

SERVICE MANUAL

AE-5A CHASSIS

MODEL	COMMANDER	DEST	CHASSIS NO.	MODEL	COMMANDER	DEST	CHASSIS NO.
KV-EH36M31	RM-892	Aus	SCC-U61A-A				

FD Trinitron





TRINITRON ® COLOR TV

SONY®

TABLE OF CONTENTS

Section	Title	Page
	Specifications	3
	Connectors	4
	Self Diagnostic Software	5
1. GENERAL		
	Using the TV menu system	8
	Tuning your TV	9
	Finding your Video Channel	9
	NexT View	11
	Teletext	13
	Specifications	14
	Troubleshooting	14
2. DISASSEMBLY		
2-1.	Rear Cover Removal	15
2-2.	Speaker Connector	15
2-3.	Chassis Removal	15
2-4.	Service Position	16
2-5.	D1 Board Removal	16
2-6.	J Board Removal	16
2-7.	B3 Board Removal	16
2-8.	Picture Tube Removal	17
	Bottom Plates	18
3. SET-UP ADJUSTMENTS		
3-1.	Beam Landing	19
3-2.	Convergence	20
3-3.	Focus Adjustment	22
3-4.	Screen (G2), White Balance	22
4. CIRCUIT ADJUSTMENTS		
4-1.	Electrical Adjustments	23
4-2.	Vol Electrical Adjustments	27
4-3.	Test Mode 2	28

Section	Title	Page
5. DIAGRAMS		
5-1.	Block Diagram (1)	29
	Block Diagram (2)	33
	Block Diagram (3)	37
	Block Diagram (4)	41
5-2.	Circuit Board Location	44
5-3.	Schematic Diagrams and Printed Wiring Boards	44
	* F Board	45
	* H1 Board	45
	* F1 Board	45
	* E Board	47
	* M Board	51
	* D1 Board	54
	* D Board	61
	* A Board	64
	* J Board	73
	* C Board	79
	* U Board	81
	* BK Board	83
	* B3 Board	86
	* VM Board	104
5-4.	Semiconductors	104
5-5.	IC Blocks	104
6. EXPLODED VIEWS		
6-1.	Chassis	108
6-2.	Picture Tube	110
7. ELECTRICAL PARTS LIST		111

CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR THE CARBON PAINTED ON THE CRT, AFTER REMOVAL OF THE ANODE CAP.

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS, THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION

APRES AVOIR DECONNECTE LE CAP DE'LANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION !!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENTION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÈ LORS DE TOUT DÈPANNAGE LE CHÁSSIS DE CE RÈCEPTEUR EST DIRECTMENT RACCORDÈ Á L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS Á LA SECURITÈ!!

LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE ⚠ SUR LES SCHÈMAS DE PRINCIPE, LES VUES EXPLOSÈES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÈCURITÈ DU FONCTIONNEMENT, NE LES REMPLACER QUE PAR DES COMPSANTS SONY DONT LE NUMÈRO DE PIÈCE EST INDIQUÈ DANS LE PRÈSENT MANUEL OU DANS DES SUPPLÈMENTS PUBLIÈS PAR SONY.

ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
AEP	B/G/H, D/K, L, I	GERMAN / Nicam Stereo	B/G/H VHF : E2-E12 UHF : E21-E69 CABLE TV (1) : S1-S41 CABLE TV (2) : S01-S05, M1-M10, U1-U10 ITALIA VHF : A-H, H1, H2 DK : R01-R12, R21-R69, S01-S05 L VHF : F2-F10, UHF : F21-F69 I UHF : B21-B69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
OIRT	B/G/H, D/K	GERMAN / Nicam Stereo	B/G/H VHF : E2-E12 UHF : E21-E69 DK : R01-R12, R21-R69, S01-S05	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)

Model	KV-36FS70	KV-37FS70K
Power Consumption	170W	170W

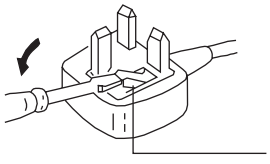
Picture Tube	FD Trinitron Wide Approx 91cm (36 inches) (Approx 88cm picture measured diagonally) 102 degree deflection	Sound output Centre speaker Surround	Right and Left speaker 2x30W (Music Power) 2x15W (RMS) 1x20W (Music Power) 1x10W (RMS) 2x10W (Music Power) 2x5W (RMS)
Input/Output Terminals [REAR]		Power Requirements	220 - 240V
1:21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals.	Dimensions	Approx 972x613x591mm
2:21-pin Euro connector	Inputs for Audio and Video signals. Inputs for S Video. Outputs of TV Video and Audio signals. (selectable)	Weight	Approx 90kg
3:21-pin Euro connector	Inputs for Audio and Video signals. Inputs for S Video. Outputs of TV Video and Audio signals. (monitor out)	Supplied Accessories	RM-892 Remote Commander (1) IEC designated R6 battery (2) Surround Speakers
Phono Jacks	Output Connectors variable for Audio Signals	Other Features	NexTView, Digital Comb Filter, Noise Reduction, Dolby Surround Sound, DRC 100Hz Picture, DRC 50Hz Picture, Graphic Equaliser
External speaker terminals	2 pin DIN (5)	**RM-892**	
Input/Output Terminals [FRONT]		Remote control system	Infrared control
Headphone jack	stereo mini jack	Power requirements	3V dc 2 batteries IEC designation R6 (size AA)
Audio inputs	phono jacks	Dimensions	Approx 210x55x23mm (w/h/d)
Video inputs	phono jacks	Weight	Approx 110g (not including battery)
S Video input	4 pin DIN		
Design and specifications are subject to change without notice.			

WARNING (UK Models only)

The flexible mains lead is supplied connected to a **B.S. 1363** fused plug having a fuse of **13 AMP** rating. Should the fuse need to be replaced, use a **13 AMP FUSE** approved by ASTA to **BS 1362**, ie one that carries the ASTA mark.

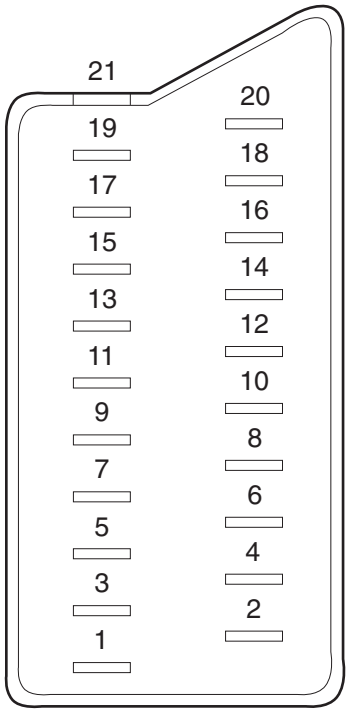
IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR THE OUTLET SOCKETS IN YOUR HOME, IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED. THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE SOCKET.

When an alternative type of plug is used, it should be fitted with a **13 AMP FUSE**, otherwise the circuit should be protected by a **13 AMP FUSE** at the distribution board.



How to replace the fuse.
Open the fuse compartment with a screwdriver blade and replace the fuse.

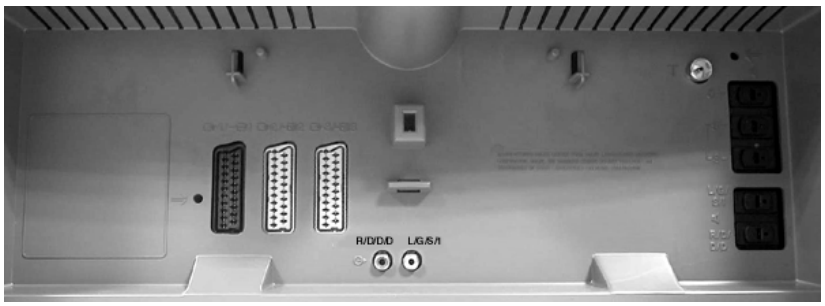
21 pin connector



Pin No	1	2	4	Signal	Signal level
1	○	○	○	Audio output B (right)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
2	○	○	○	Audio output B (right)	Standard level : 0.5V rms Output impedence : More than 10kohm*
3	○	○	○	Audio output A (left)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
4	○	○	○	Ground (audio)	
5	○	○	○	Ground (blue)	
6	○	○	○	Audio input A (left)	Standard level : 0.5V rms Output impedence : More than 10kohm*
7	○	●	●	Blue input	0.7 +/- 3dB, 75 ohms positive
8	○	○	○	Function select (AV control)	High state (9.5-12V) : Part mode Low state (0-2V) : TV mode Input impedence : More than 10K ohms Input capacitance : Less than 2nF
9	○	○	○	Ground (green)	
10	○	○	○	Open	
11	○	●	●	Green	Green signal : 0.7 +/- 3dB, 75 ohms, positive
12	○	○	○	Open	
13	○	○	○	Ground (red)	
14	○	○	○	Ground (blanking)	
15	○	–	–	Red input	0.7 +/- 3dB, 75 ohms, positive
	–	○	○	(S signal Chroma input)	0.3 +/- 3dB, 75 ohms, positive
16	○	●	●	Blanking input (Ys signal)	High state (1-3V) Low state (0-0.4V) Input impedence : 75 ohms
17	○	○	○	Ground (video output)	
18	○	○	○	Ground (video input)	
19	○	○	○	Video output	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
20	○	–	–	Video input	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
	–	○	○	Video input Y (S signal)	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
21	○	○	○	Common ground (plug, shield)	

○ Connected ● Not Connected (open) * at 20Hz - 20kHz

Rear Connection Panel



S Video socket pin configuration		
Pin No	Signal	Signal Level
1	Ground	-
2	Ground	-
3	Y (S signal) input	1V +/- 3dB 75ohm, positive Sync. 0.3V -3 +10dB
4	C (S signal) input	0.3V +/- 3dB 75ohm, positive Sync.



S-Video socket

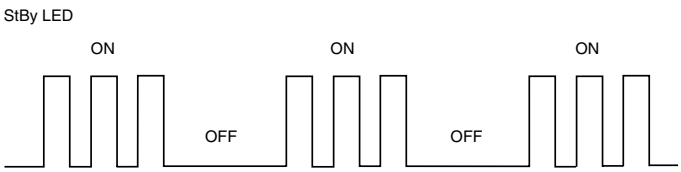
AE-5A SELF DIAGNOSTIC SOFTWARE

The identification of errors within the AE-5A chassis is triggered in one of two ways :- 1: Busy or 2: Device failure to respond to IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failure to do so will report with a continuous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED (Series of flashes which must be counted) See table 1., non fatal errors are reported using this method.

Diagnostic Item Description	No of times Standby LED Flashes	Probable cause Location	Detected Symptoms
Power does not turn on	Does not light	Power cord is not plugged in. Fuse is open circuit.	Power does not come on No power is supplied to the TV AC power supply is faulty
+B Overcurrent (OCP)	2 times	H.OUT (Q6803/6804) is shorted. (D Board) Linearity FET (Q6806) is shorted. (D Board) IC2601 Power IC is shorted. (D Board)	Power does not come on Load on power line has shorted
Vertical Deflection stopped	4 times	+15V is not supplied R6835 open (D Board) -15V is not supplied R6834 open (D Board) IC6700 is shorted (D Board)	Vertical deflection pulse has stopped Power line has shorted

Error Message	LED Code
No error	00
Reserved	01
OCP (Over Current Protection)	02
OVP (Over Voltage Protection)	03
Vertical Protection	04
Reserved for AKB	05
Horizontal Protection	06
Speaker Protection	07
I2C bus 0 error	08
M-B Tele-Text-Decoder	09
M-B ST24C32, NVM	10
J-B TDA9320, Main Colour Decoder	11
B1/B2-B Feature Box	12
B1-B D/A-Converter	13
E-B Backend	14
J-B MSP3410D, Sound Processor	15
J-B CXD2057, Auto Wide	16
External RAM	17

Flash Timing Example : e.g. error number 3



Error Detection Monitor

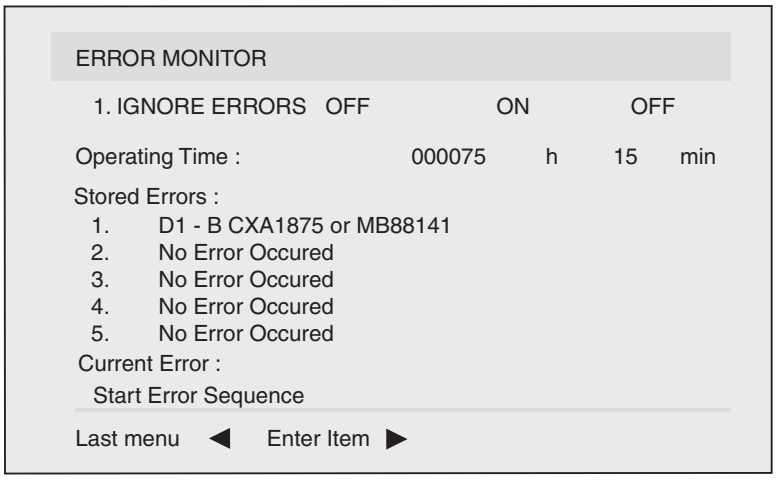
Device acknowledge is used to check IIC errors. Device acknowledge is checked by sending an IIC start sequence during CRT power on. Each device is checked three times, if there is no acknowledge after each attempt, it will be regarded as an error.
There are three steps to check for errors.

1. IIC line 0
   If all devices except the NVM have errors, IIC line 0 error is displayed.
2. Board check
   If all devices mounted on one board have errors, board error is displayed.
3. Each device check
   If IIC line error and board error are not detected then the device with the error is displayed.

The detected errors can be displayed as follows :

1. Error Monitor Menu.
2. Error Reader.

1. Error Monitor Menu



2. Error Reader Display

The error reader display is connected to the service connector to read actual error codes. The part number for the error reader display is S-188-900-10. Once an error has been detected it will then be displayed on the two digit error reader. The errors displayed refer to the following table.

Error Code	Error Message
000h	No error occured
001h	Bus error, IIC0
002h	Bus error, IIC1
100h	**A-Board**
101h	A-B. CXA1875, Port Expander
102h	A-B. TU1326, Main Tuner
103h	A-B. TU1350, Sub Tuner
200h	**B1-Board**
201h	B1-B. P83C654, Feature Box B1-B. SDA9280, D/A Converter
202h	B1-B. P83C654, Feature Box B1-B. SDA9280, D/A Converter
300h	**B2-Board**
301h	B2-B. SAA4977, BESIC
400h	**BP-Board**
401h	BP-B. CXD2069, MID
500h	**D1 Board**
501h	D1-B, CXA8070, Dynamic Converter
502h	D1-B. CXA1875, Port Expander
600h	**E-Board**
601h	E-B. CXD2100, Backend
700h	**J-Board**
701h	J-B. CXD2057, Auto Wide
702h	J-B. SDA9288, PIP
703h	J-B. Sub Colour Decoder TDA9320 or CXA2123
704h	J-B. Main Colour Decoder TDA9320 or CXA2123
705h	J-B. CXA1875, Sub-Sound
706h	J-B. TDA7309, HP-Amplifier
707h	J-B. TEA6422DT, Audio Switch
708h	J-B. MSP3410D, Sound Processor
709h	J-B. TC9337F, Sound DSP
70Ah	J-B. CXA21X9, AV Switch
800h	**M-Board**
801h	M-B. ST24C32, NVM

The operating instructions mentioned here are partial abstracts from the 'Operating Instruction Manual'. The page numbers of the 'Operating Instruction Manual' remain as in the manual.

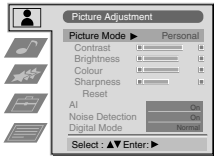
Using the TV menu system

The TV consists of a menu system which is based on a series of user friendly on-screen displays and menus. These displays will help you get the most from your TV, helping you to change picture and sound settings, to alter the size of the TV picture and to rearrange the TV channels etc.

Adjusting the picture and sound

The picture and sound are preset at the factory. You can however adjust them to suit your own taste.

1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the ▲ or ▼ buttons to select for picture settings or for sound settings then press ▶ to enter either the 'Picture Adjustment' menu or the 'Audio Adjustment' menu.
3. Press the ▲ or ▼ buttons to select the item on the screen you wish to adjust then press ▶ to confirm. For a description of the menu items and their effects, see the table below.
4. Press the ▲, ▼, ▶ or ◀ buttons to adjust your selected item.
5. As soon as you have adjusted the item, press the OK button to store the new setting.
6. Repeat steps 3-5 if you wish to adjust any of the other items.
7. Press the MENU button to remove the menu from the TV screen.



Picture Control

Item	Effect/Operation
Picture Mode	▼ Live (for live broadcasts) Personal(for individual settings) Movie (for movie broadcasts) ▲ Game (for sports programmes)
Contrast	Less ◀ ▶ More
Brightness	Darker ◀ ▶ Brighter
Colour	Less ◀ ▶ More
Hue	Reddish ◀ ▶ Greenish
Sharpness	Softer ◀ ▶ Sharper
Reset	Resets picture to the factory preset levels
AI (Artificial Intelligence)	▼ Off : Normal ▲ On : Automatic optimisation of contrast level according to the TV signal.
Noise Detection	▼ Off : Normal ▲ On : Reduces picture noise in case of a weak broadcasting signal
Digital Mode	▼ DRC 50 ▲ DRC 100





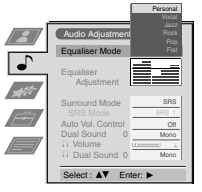


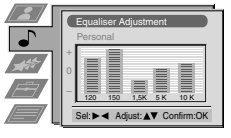


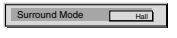


Sound Control

Item	Effect/Operation
Equaliser Mode	▼ Personal Vocal Jazz Rock Pop ▲ Flat (fixed setting, cannot be adjusted)
Equaliser adjustment	You can adjust the mode selected in Equaliser mode by cutting and boosting the 5 selected frequency bands. Press ◀ or ▶ to select the frequency band then ▼ or ▲ to adjust the frequency. Finally, press the OK button to store the new adjustment. If you want to store the new setting, you need to set the Equaliser mode to 'Personal'. Personal mode permanently stores the setting, all other modes (Vocal, Jazz, Rock, Pop) store only until the next mode change.
Surround Mode	▼ Off Dolby Sur SRS Hall Church Disco ▲ Stadium
SRS Mode* (*only if 'Surround Mode' is set to 'SRS')	▼ SRS 1 SRS 2 ▲ SRS 3
Auto Vol. Control	▼ On : volume level of the channels will stay the same independent of the broadcast signal (eg in the case of advertisements) ▲ Off : volume level changes according to the broadcast signal.
Dual Sound	For a bilingual broadcast: ▼ A for channel 1 ▲ B for channel 2 For a stereo broadcast: ▼ Mono ▲ Stereo When NICAM stereo is being broadcast, the indication NiCAM appears briefly on the screen.
Headphones 🎧 Volume 🎧 Dual Sound	Less ◀ ▶ More For a bilingual broadcast: ▼ A for channel 1 ▲ B for channel 2











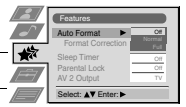




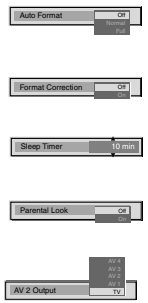


Using the Features menu

1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the ▲ or ▼ buttons to select for the 'Features' menu then press ► to enter the 'Features' menu.
3. Press the ▲ or ▼ buttons to select the desired menu item then press ► to confirm. For a description of the menu items and their effects, see the table below.
4. Press the ▲, ▼, ► or ◄ buttons to select the desired setting.
5. Press the OK button to confirm your choice of setting.
6. Repeat steps 3-5 if you wish to select any of the other items.
7. Press the MENU button to remove the menu from the TV screen.



Item	Effect/Operation
Auto Format* *only for aerial signal	▼ Off:Size of picture does not automatically adjust. Normal:Size of picture automatically adjusts according to information from the broadcaster. ▲ Full: The TV can automatically adjust the picture size to eliminate any dark areas on the TV picture (as shown below):
Format Correction* (*only if Auto Format is set to 'Normal' or 'Full')	▼ Off : 4:3/14:9 is selected ▲ On : Smart mode is selected automatically for 4:3/14:9 broadcasts
Sleep Timer	You can select a time after which the TV switches itself into standby mode. ▼ Off . ▲ 90 min
Parental Lock	▼ Off : Normal ▲ On : Press the buttons on the remote control to switch the TV out of standby mode. The buttons on the TV do not work.
AV2 Output	▼ TV audio/video signal from the aerial AV1 audio/video signal from scart 1 AV2 audio/video signal from scart 2 AV3 audio/video signal from scart 3 ▲ AV4 audio/video signal from connectors on front of TV



Changing the screen size

This feature allows you to change the size of the TV picture.

Press the button on the remote control repeatedly or use the ▲ or ▼ buttons to select one of the following formats then press the OK button to confirm your selection:

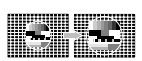
Smart	imitation of wide screen effect for 4:3 broadcasts.
4:3	conventional 4:3 picture size, full picture information.
14:9	compromise between 4:3 and 16:9 picture size.
Zoom	imitation of wide screen effect for letterbox movies.
Wide	for 16:9 broadcasts.

In Smart and 14:9 modes parts of the top and bottom of the screen are cut off. Press ▲ or ▼ to adjust the position of the image on screen (eg to read subtitles) then press the OK button to confirm.


Smart


Wide


Zoom


14:9

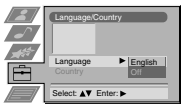

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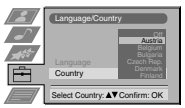
6. Tuning your TV

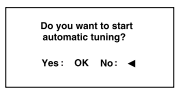
Before you tune your TV, you will be asked to set your language and country.

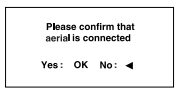
1. The Language/Country menu appears on the TV screen with the word 'English' highlighted.
2. Press the ▲ or ▼ buttons on the remote control to select your chosen language then press the OK button to confirm. The country menu appears on screen with the word 'OFF' highlighted. Select 'OFF' if you do not want your channels stored in a given channel sequence starting from programme position 1.
3. Press ▲ or ▼ to select the country in which you wish to operate the TV then press the OK button to confirm your choice.
4. The 'autotune' menu appears on the TV screen in your selected language. Press the OK button to confirm.
5. Ensure the aerial is connected as instructed, then press the OK button to confirm. The TV starts to auomatically search and store all available channels for you. This may take a few minutes - please be patient and do not press any buttons.
6. Once the TV has tuned all available channels the 'Programme Sorting' menu appears on the TV screen enabling you to change the order of the channels on your TV. If you wish to change the channel order, press the ▲ or ▼ buttons to select the channel you want to move then press ►. Press the ▲ or ▼ buttons to select the new programme number position for your selected channel then press the OK button to confirm. The selected channel now moves to its new programme positon and the other channels move accordingly. Repeat this procedure if you wish to sort the order of other channels on your TV.
7. Press the MENU button to remove the menu from the TV screen.
8. Press the PROGR+/- or the numbered buttons to view the TV channels.

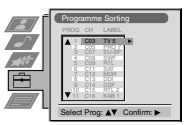
Note: If you would like to stop the autotune process at any stage, press the OK button.

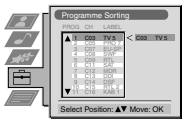














7. Finding your video channel

If you have connected a VCR to your TV, you now need to find your video channel.

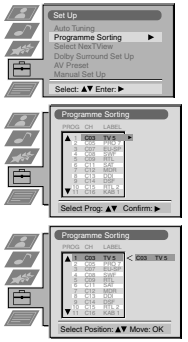
1. Press the PROGR+/- buttons on your remote control until your video picture appears on the TV screen.

Note: If you wish to move your video channel to a different programme position, refer to the 'Sorting TV channels' section of this instruction manual.

Re-arranging the TV channels

After tuning the TV, you can use this feature to change the order of the channels on the TV.

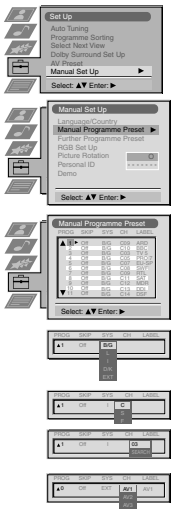
1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the ▼ button to select the symbol on the menu screen then press ▶ to enter the 'Set Up' menu.
3. Press the ▼ button to select 'Programme Sorting' then press ▶ to enter the 'Programme Sorting' menu.
4. Press the ▲ or ▼ buttons to select the channel you want to move then press ▶ to confirm.
5. Press the ▲ or ▼ buttons to select the new programme position (eg PROG 4) for your selected channel then press the OK button to confirm. The selected channel now moves to its new programme position and the other channels move accordingly.
6. Repeat steps 4 and 5 if you wish to sort the other channels.
7. Press the MENU button to remove the menu from the TV screen.



Manually tuning the TV

You have already tuned the TV automatically using the instructions at the start of this manual. You can however carry out this operation manually, adding channels to the TV, one at a time.

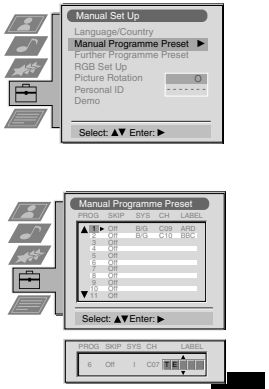
1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the ▼ button to select the symbol on the menu screen then press ▶ to enter the 'Set Up' menu.
3. Press the ▼ button to select 'Manual Set Up' on the menu screen then press ▶ to enter the 'Manual Set Up' menu.
4. Press the ▼ button to select 'Manual Programme Preset' on the menu screen then press ▶ to enter the 'Manual Programme Preset' menu.
5. Press the ▲ or ▼ buttons to select a programme number for your channel (eg PROGR 1 for BBC1) then press ▶ to highlight the 'SKIP' column.
6. Press ▲ to select 'OFF' then press ▶ to highlight the 'SYS' column.
7. Press the ▲ or ▼ buttons to select the TV broadcast system (B/G for western european countries or D/K for eastern european countries) or 'EXT' for a video input source (AV1, AV2, ...) then press ▶ to confirm.
8. Press the ▲ or ▼ buttons to select 'C' for terrestrial channels, 'S' for cable channels, or 'F' for direct frequency inputs then press ▶ to confirm.
9. Select the first number digit of 'CHAN' (channel) then the second number digit of 'CHAN' with the number buttons on the remote control or
   Press the ▲ or ▼ buttons to search for the next available channel.
10. If you do not wish to store this channel on the programme number you selected, press the ▲ or ▼ buttons to continue searching for the desired channel.
11. If this is the channel you wish to store, press the OK button.
12. Repeat steps 5-9 if you wish to store more channels then press the MENU button to remove the menu from the TV screen.



Naming a channel

Names for channels are usually taken automatically from Teletext if available. You can however name a channel or an input video source using up to five characters (letters or numbers).

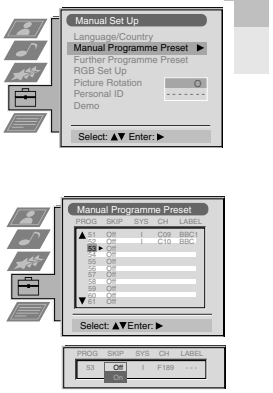
1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the ▼ button to select the symbol on the menu screen then press ▶ to enter the 'Set Up' menu.
3. Press the ▼ button to select 'Manual Set Up' then press ▶ to enter the 'Manual Set Up' menu.
4. Press the ▼ button to select 'Manual Programme Preset' then press ▶ to enter the 'Manual Programme Preset' menu.
5. Press the ▲ or ▼ buttons to select the channel you wish to name.
6. Press the ▶ button repeatedly until the first element of the 'LABEL' column is highlighted.
7. Press the ▲ or ▼ buttons to select a letter or number (select '-' for a blank) then press ▶ to confirm. Select the other four characters in the same way.
8. After selecting all the characters, press the OK button.
9. Repeat steps 5 to 8 if you wish to label other channels.
10. Press the MENU button to remove the menu from the TV screen.



Skipping programme positions

This function enables you to skip unused programme positions when selecting them with the PROGR+/- buttons. However, by using the number buttons you can still select the skipped programme position.

1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the ▼ button to select the symbol on the menu screen then press ▶ to enter the 'Set Up' menu.
3. Press the ▼ button to select 'Manual Set Up' then press ▶ to enter the 'Manual Set Up' menu.
4. Press the ▼ button to select 'Manual Programme Preset' then press ▶ to enter the 'Manual Programme Preset' menu.
5. Press the ▲ or ▼ buttons to select the programme position then press ▶ to highlight the 'SKIP' column.
6. Press the ▲ or ▼ buttons to select 'Off' or 'On' (if you wish to skip this programme position) then press the OK button to store.
7. Repeat steps 5 and 6 if you wish to skip or unskip further programme positions.
8. Press the MENU button to remove the menu from the TV screen.



NexTView*

*depending on availability of service.

NexTView is an electronic programme guide with up to 1 week* of programme information for all channels supporting EPG.
*If the data exceeds the memory of NexTView, you will receive less than 7 days' information.

Displaying NexTView

At first you need to select a channel providing a NexTView service. In this case the indication 'NexTView' is displayed as soon as all data is available.

1. Press the button repeatedly on the remote control to switch NexTView on and off.
2. Press the ▲, ▼, ◄ or ► buttons to move the cursor around the screen.
3. Press the OK button to confirm a selection.
   a. If you press the OK button in the date, time or icon (themes) columns, you change the programme list according to the selection.
   b. If you press the OK button in the programme list, you directly display the channel if the broadcast is currently running, or, you display the 'Long Info' menu if the broadcast is running at some future time.



Index

* full selection list
* personal selection
* news broadcasts
* movies
* sports
* entertainment
* children
* return to last menu

NexTView

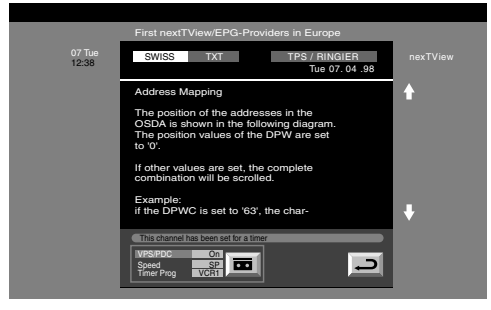
Using the 'Individual Setting' menu

When you select the icon, you can make your own individual selection of themes, limiting the search to the marked ones.

1. Press ▲ or ▼ to select the icon then press ► to display the 'Individual Setting' menu.
2. Press ▲ or ▼ to select your chosen item on the screen then press the OK button to confirm your choice.
3. Repeat step 2 for all the items you wish to have in your list.
4. When you have finished the list, press ► to select on the menu screen.
5. Press the OK button.

Using the 'Long Info' menu

1. Press ▲ or ▼ to select a future programme in the programme list column.
2. Press the OK button to display the 'Long Info' menu.



3. If you have a Smartlink VCR and wish to record the selected programme with your VCR, press ◄ to select then press the OK button to download the information to your VCR.
4. To set up the VCR:

VPS/PDC
Press ◄ repeatedly to select VPS/PDC then press the OK button to select 'On' or 'Off'. With this setting on you have the guaranteed recording of the whole broadcast should there be a change in the TV programme. This only works if the selected channel broadcasts a VPS/PDC signal

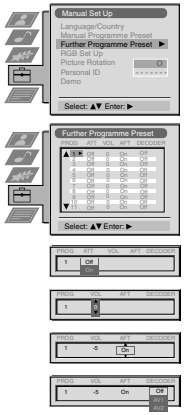
Speed
Press ▼ to select 'Speed' then press the OK button to select 'SP' for standardplay or 'LP' for longplay. With longplay you can record twice as much on a videotape. The picture quality however may suffer.

VCR Setup
Press ▼ to select 'VCR Setup' then press the OK button to select which VCR you wish to programme, namely 'VCR1' or 'VCR2'.

5. Finally, press ► to select the icon then press the OK button to remove the menu from the TV screen.

Using the Further Programme Preset feature

With this feature you can a) individually adjust the volume level of each channel, b) manually fine-tune the TV to obtain a better picture reception if the picture is distorted or c) preset the AV output for the programme positions of channels with scrambled signals (eg from a pay TV decoder). In this way a connected VCR records the unscrambled signal.



1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the ▼ button to select the symbol on the menu screen then press ▶ to enter the 'Set Up' menu
3. Press the ▼ button to select 'Manual Set Up' then press ▶ to enter the 'Manual Set Up' menu.
4. Press the ▼ button to select 'Further Programme Preset' then press ▶ to enter the 'Further Programme Preset' menu.
5. Press the ▲ or ▼ buttons to select the relevant programme number then press the ▶ button repeatedly to select a) VOL b) AFT or c) DECODER. The selected item changes colour.
6. a)**ATT - RF Attenuator**
   Press the ▲ or ▼ buttons to switch attenuator 'on' or 'off'. Press the OK button to confirm the selection. Repeat steps 5 and 6a if you wish to adjust the attenuation of the other channels.

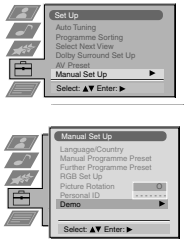
   b)**VOL - Volume Offset**
   Press the ▲ or ▼ buttons to adjust the volume level (range -7 to +7) of the channel. Store by pressing the OK button. Repeat steps 5 and 6b if you wish to adjust the volume level of the other channels.

   c) **AFT - Automatic Fine Tuning**
   Press the ▲ or ▼ buttons to fine tune the channel frequency over a range of -15 to +15. Press the OK button to confirm. Repeat steps 5 and 6c if you wish to fine tune other channels.

   d)**DECODER**
   Press the ▲ or ▼ buttons to select AV1 or AV2 for the programme position then press the OK button to confirm. You can now attach a decoder to the AV1 or the AV2 socket on the back of the TV and the picture from that decoder will appear on this programme number. Repeat steps 5 and 6d to preset the AV output for other programme positions.
7. Press the MENU button to remove the menu from the TV screen.

Selecting the 'Demo' feature

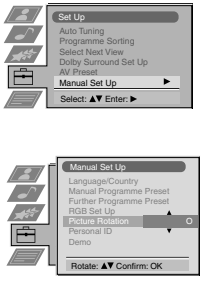
This function provides an overview of some of the features available on the TV.



1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the ▼ button to select the symbol on the menu screen then press ▶ to enter the 'Set Up' menu
3. Press the ▼ button to select 'Manual Set Up' then press ▶ to enter the 'Manual Set Up' menu.
4. Press the ▼ button to select 'Demo' then press ▶ to start the demonstration (which lasts for approximately 5 minutes).
5. Press the button to remove the demonstration from the TV screen.

Adjusting the picture rotation

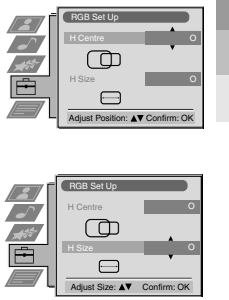
Because of the earth's magnetism the picture might slant. In this case you can readjust the picture.



1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press the ▼ button to select the symbol on the menu screen then press ▶ to enter the 'Set Up' menu
3. Press the ▼ button to select 'Manual Set Up' then press ▶ to enter the 'Manual Set Up' menu.
4. Press the ▼ button to select 'Picture Rotation' then press ▶ to enter the 'Picture Rotation' sub menu.
5. Press the ▲ or ▼ buttons to rotate the picture over a range of -5 to +5 then press the OK button to store.
6. Press the MENU button to remove the menu from the TV screen.

Adjusting the picture geometry for an RGB source

When connecting an RGB source such as a Sony playstation you may need to readjust the geometry of the picture.



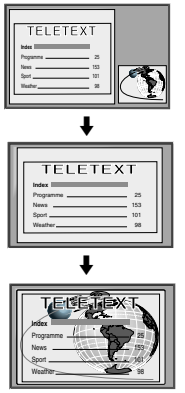
1. Press the button on the remote control to select the connected RGB source 1.
2. Press the MENU button to display the menu on the TV screen.
3. Press the ▼ button to select the symbol on the menu screen then press ▶ to enter the 'Set Up' menu
4. Press the ▼ button to select 'Manual Set Up' on the menu screen then press ▶ to enter the 'Manual Set Up' menu
5. Press the ▼ button to select 'RGB Set Up' on the menu screen then press ▶ to enter the 'RGB Set Up' sub menu.
6. Press ▶ to select H Centre then press ▲ or ▼ to adjust the centre of the picture over a range of -10 to +10. Store the new range by pressing the OK button.
7. Press ▶ to select H Size then press ▲ or ▼ to adjust the horizontal coordinates over a range of -10 to +10. Store the new range by pressing the OK button.
8. Press the MENU button to remove the menu from the TV screen.

Teletext

Most TV channels broadcast information via Teletext. The index page of the teletext service (usually page 100) gives you information on how to use the service. Please use a TV channel with a strong signal, otherwise there may be Teletext errors.

Switching Teletext on and off

1. Press a number button on the remote control to select the TV channel which carries the teletext service you wish to view.
2. Press the button repeatedly on the remote control to switch Teletext on and off.



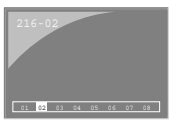
Selecting a Teletext page

Input three digits for the page number using the numbered buttons on the control. If you make a mistake, type in any three digits then re-enter the correct page number.

Using Other Teletext Functions

Selecting the next or preceding page
Press the or buttons on the remote control to select the previous or next page.

Selecting a sub page
A teletext page may consist of several sub pages. In this case an information line is displayed, showing the number of subpages.
Select the mode by pushing to ▲. Select the sub page by pressing ▲ or ▼.



To freeze a Teletext page
Press the button to freeze the page. Press again to cancel the freeze.

Revealing concealed information (eg:answers to a quiz).
Press the button to reveal information. Press again to conceal the information.

Using colour buttons to access pages (Fastext)
(only available if the TV station broadcasts Fastext signals)
When the colour coded menu appears at the bottom of a page, press a coloured button on the remote control (green, red, yellow or blue) to access the corresponding page.



Using the feature 'Page Catching'
1. Press the numbered buttons on the remote control to select a teletext page which has several page numbers on it (eg the index page).
2. Press the OK button.
3. Press ▲ or ▼ to select the desired page number then press the OK button. The requested page is displayed after some seconds.

Teletext

Teletext is an information service transmitted by most TV stations.

Using the Teletext menu

1. Press the MENU button on the remote control to display the menu on the TV screen.
2. Press ▲ or ▼ to select your chosen item on the screen then press ▶ to display the relevant sub menu.
3. To remove the Teletext menu from the screen, press the MENU button.



Top/Bottom/Full

The Top/Bottom/Full sub menu allows you to enlarge different sections of the Teletext page. Press ▲ to enlarge the upper half of the screen, Press ▼ to enlarge the lower half. Press the OK button to restore the page to normal size. Press ◀ to return to the Teletext menu screen.



Text Clear

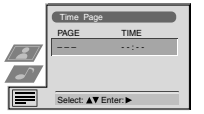
After having selected this function, you can watch a TV channel while waiting for a requested Teletext page. As soon as the page is available, the symbol changes colour. To view the page, press .

Reveal

Some teletext pages contain hidden information (eg for a quiz), which you can reveal. After having selected the function, the hidden information appears on screen. After having selected the function, press ▶. The hidden information appears on screen.

Time Page

You can call up a time-coded page such as an alarm page at a time specified by you. After you have displayed the Time Page sub menu:
Press ▲ or ▼ to select 'On' then press the OK button to confirm.
Press the numbered buttons on the remote control to enter the three digits of the desired page.
Press the numbered buttons again to enter the four digits of the desired time.
Press the OK button to store the desired time. The time is displayed in the top left corner of the screen. At the requested time the page is displayed.



Page Overview

In the Page Overview menu the block and group pages of TOP-Text are sorted into two columns, so that the customer can easily select his page. For each block page in the first column, the corresponding group pages are shown in the second column. Press ◀ or ▶ to select the block pages or group pages column then press ▲ or ▼ to select the desired group or block page. Finally, press the OK button to display the page.

Specifications

TV system
B/G/H, D/K, I, L

Colour system
PAL, SECAM
NTSC 3.58, 4.43 (only Video In)

Channel coverage
See the 'Channel Display Table' below.

Picture tube
FD Trinitron WIDE
Approx 91cm (36 inches), 102° deflection

Rear Terminals

1 / 1	21-pin Euro connector (CENELEC standard) including audio/video input, RGB input, TV audio/video output.
2 / 2	21-pin Euro connector (CENELEC standard) including audio/video input, S-video input, Monitor audio/video output.
3 / 3	21-pin Euro connector (CENELEC standard) including audio/video input, S-video input, Monitor audio/video output.
L/G/S/I R/D/D/D	RCA connectors, variable output for audio signals

External speaker terminals : 2-pin DIN (5)

RF In

Front Terminals

4	Video input -phono jacks
4	Audio inputs - phono jacks
4	S video input - 4 pin DIN
	Headphones jack - minijack stereo

Sound output

Left and Right speaker:	2x30W (music power) 2x15W (RMS)
Centre speaker:	1x20W (music power) 1x10W (RMS)
Surround speakers:	2x10W (music power) 2x5W (RMS)

Power consumption
170W

Dimensions (wxhxd)
Approx. 972 x 613.5 x 591 mm

Weight
Approx. 90.0kg

Accessories supplied
RM-892 remote control (1)
IEC designated size AA batteries (2)
Surround speakers

Other features
Flat display Trinitron tube, noise detection, DRC 50Hz picture, DRC 100Hz picture, PAP, PAT, graphic equaliser, personal ID, sleep timer, NexTView, Dolby Surround, Digital Comb Filter, second tuner.

Design and specifications are subject to change without notice.

Channel Display Table

	Receivable Channels	Channel Displays
B/G/H	E2..12, 21..69	C02..C12, C21..69
CABLE TV (1)	S1..S41	S01..S41
CABLE TV (2)	S01..S05	S42..S46
	M1..M10	S01..S10
	U1..U10	S11..S20
ITALIA	A..H, H1, H2	C13..C20
D/K	R01..R12, R21..R69	C01..C12, C21..C69
	S01..S05	S42..S46
L	F2..F10, F21..F69	C01..C12, C21..C69
I	B21..B69	C21..C69

Troubleshooting

Here are some simple solutions to problems which may affect the picture and sound.

Problem	Suggested remedy
No picture (screen is dark), no sound	• Plug the TV in. • Press the button on the front of the TV. • If the indicator is on press the I/ button or a numbered button on the remote control. • Check the aerial connection. • Turn the TV off for 3 or 4 seconds and then turn it on again using the button on the front of the TV.
Poor or no picture (screen is dark), but good sound.	• Using the MENU system, select the Picture Adjustment display. Adjust the brightness, picture and colour balance levels. • From the Picture Adjustment display select RESET to return to the factory settings.
Poor picture quality when watching an RGB video source.	• Press the button repeatedly on the remote control until the RGB symbol is displayed on the screen.
Good picture, no sound	• Press the button on the remote control. • If is displayed on the screen, press the button on the remote control.
No colour on colour programmes	• Using the MENU system, select the Picture Adjustment display and adjust the colour setting. • From the Picture Adjustment display select RESET to return to the factory settings.
distorted picture when changing programmes or selecting Teletext	• Turn off any equipment connected to the scart connectors on the rear of the TV.
Remote control does not function	• Replace the batteries.
The standby indicator on the TV flashes	• Contact your nearest Sony service centre.

- **If you continue to have these problems, have your TV serviced by qualified personnel.**
- **NEVER open the casing yourself.**

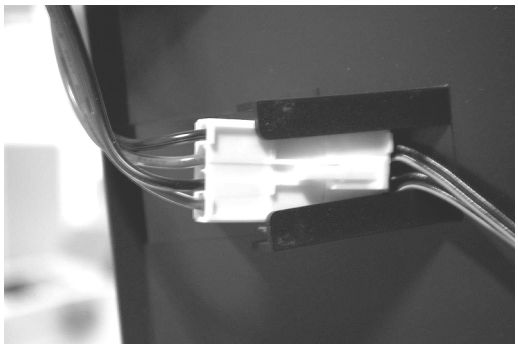
SECTION 2 DISASSEMBLY

2-1. Rear Cover Removal



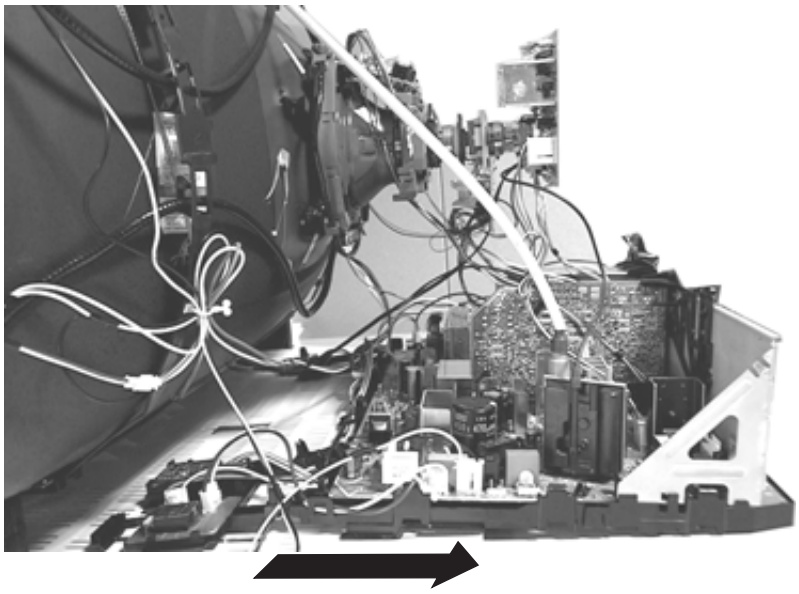
Remove the rear cover fixing screws indicated. Take care when removing the rear cover not to damage the speaker cables [Disconnect the speaker connector] as speakers are fitted inside the rear cover.

2-2. Speaker Connector Disconnection

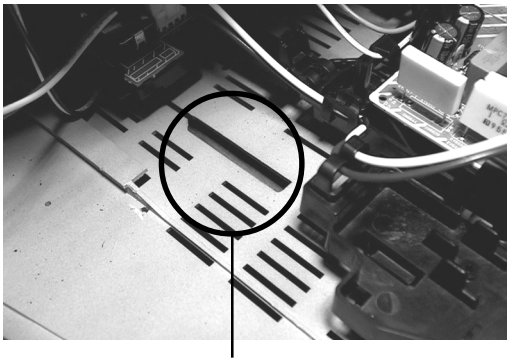


Before completely removing the rear cover disconnect the speaker connector which is located on the inside.

2-3. Chassis Removal and Refitting

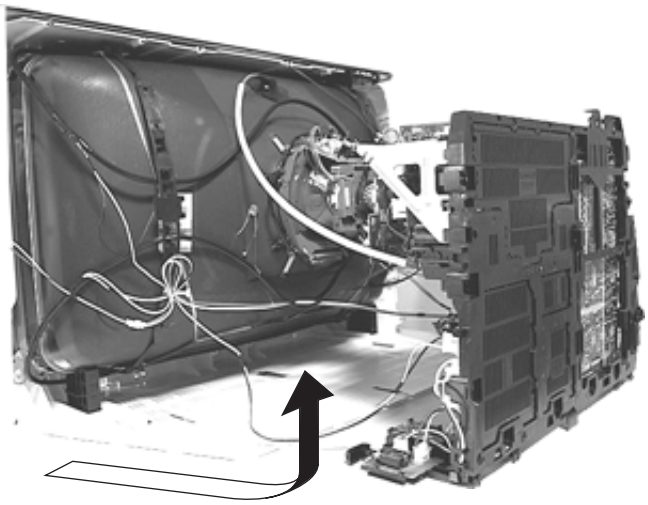


To remove lift the main bracket rear slightly and slide the chassis away from the beznet. Ensure that the interconnecting leads are released from their purse locks to prevent damage being caused.



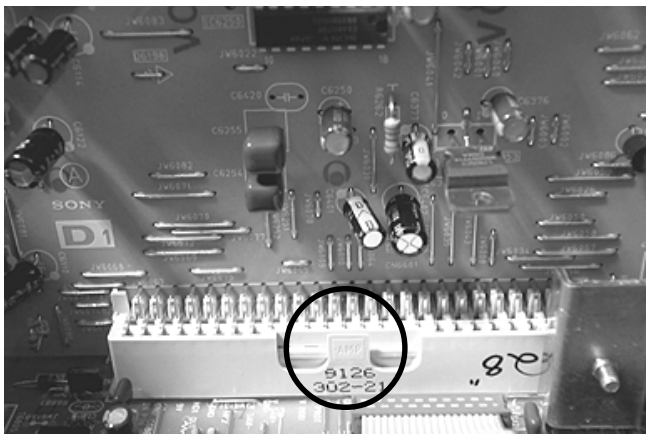
When refitting the chassis ensure that the main bracket is located in the beznet guide slots before sliding the chassis forwards. Refit the interconnecting leads in their respective purse locks.

2-4. Service Position



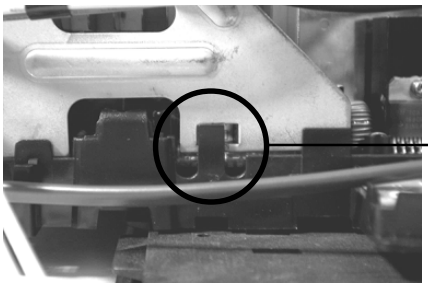
Position the PWB as indicated to access the solder side.
To gain access to the D Board follow the instructions on page 18. [Removal and Replacement of the main bracket bottom plates].

2-5. D1 Board Removal



To remove the D1 Board release the clip circled and gently remove the board in a vertical direction.

2-6. J Board Removal

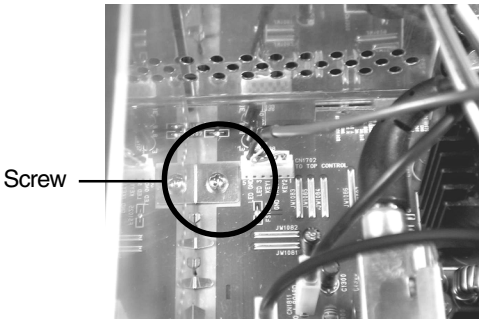


Release the two metal bracket support clips located on either side of the chassis. Tilt the bracket very slightly away from the shield case indicated. Release the J board and U board socket retaining clips and carefully lift the complete assembly vertically.



2-7. B3 Board Removal

Follow the steps indicated in removal of the J and U boards. With the assembly removed access to the B3 board shield is possible. To remove the shield locate and remove the two screws positioned on either side and at opposite ends of the shield. Release the B3 board clip and remove in a vertical direction. Please ensure that the screws are refitted after service.

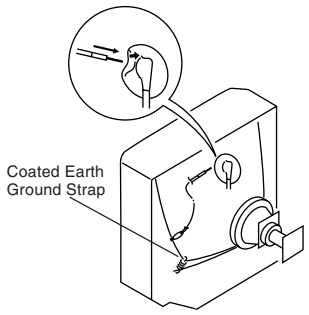


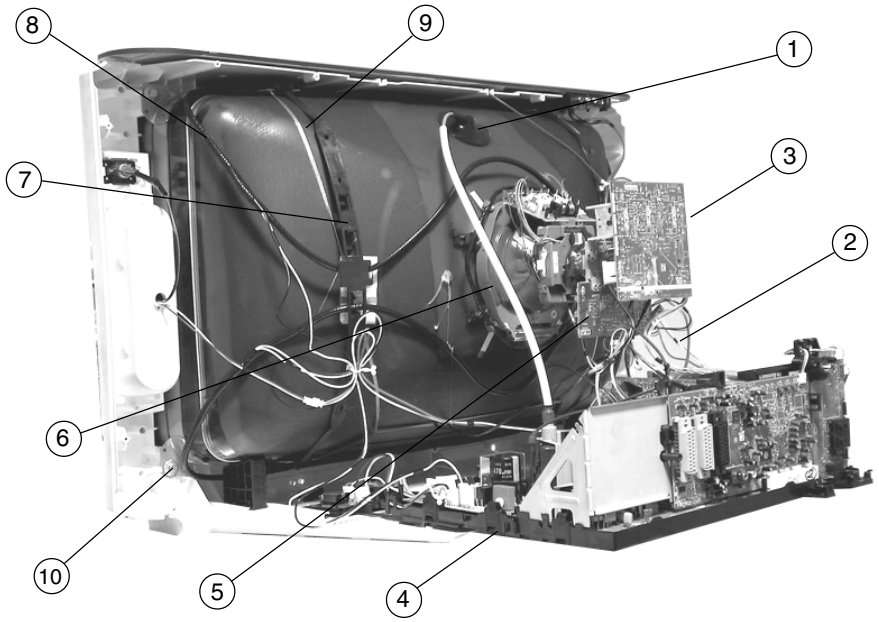
Note :
Removal of the B3, E, M, and U printed circuit boards follows the same procedure of releasing the securing clips as indicated in the fig for D1 board removal.
Take care not to apply to great a pressure to the clips as this may cause damage.

2-8. Picture Tube Removal

WARNING:
BEFORE REMOVING
THE ANODE CAP

High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT ***before*** attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.

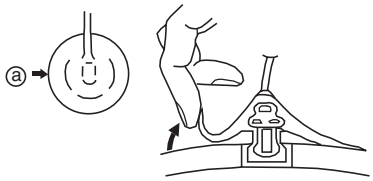




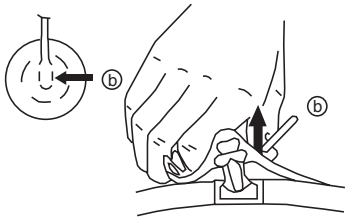
1. Discharge the anode of the CRT and remove the anode cap.
2. Unplug all interconnecting leads from the Deflection yoke, neck assy, degaussing coils and CRT grounding strap.
3. Remove the C Board from the CRT.
4. Remove the chassis assembly.
5. Loosen the Neck assembly fixing screw and remove.
6. Loosen the Deflection yoke fixing screw and remove.
7. Place the set with the CRT face down on a cushion and remove the Degaussing Coil holders.
8. Remove the Degaussing Coils.
9. Remove the CRT grounding strap and spring tentioners.
10. Unscrew the four CRT fixing screws [located on each CRT corner] and remove the CRT.
    [Take care not to handle the CRT by the neck.]

Removal of the Anode-Cap

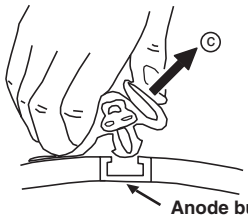
*** REMOVING PROCEDURES.**



① Turn up one side of the rubber cap in the direction indicated by the arrow ⓐ



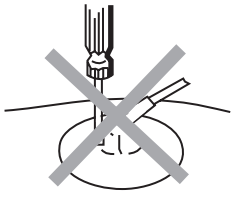
② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ⓑ



③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ⓒ

How to handle the Anode-Cap

1. To prevent damaging the surface of the anode-cap do not use sharp materials.
2. Do not apply too great a pressure on the rubber, as this may cause damage to the anode connector.
3. A metal fitting called a shatter hook terminal is fitted inside the rubber cap.
4. Do not turn the rubber foot over excessively, this may cause damage if the shatter hook sticks out.



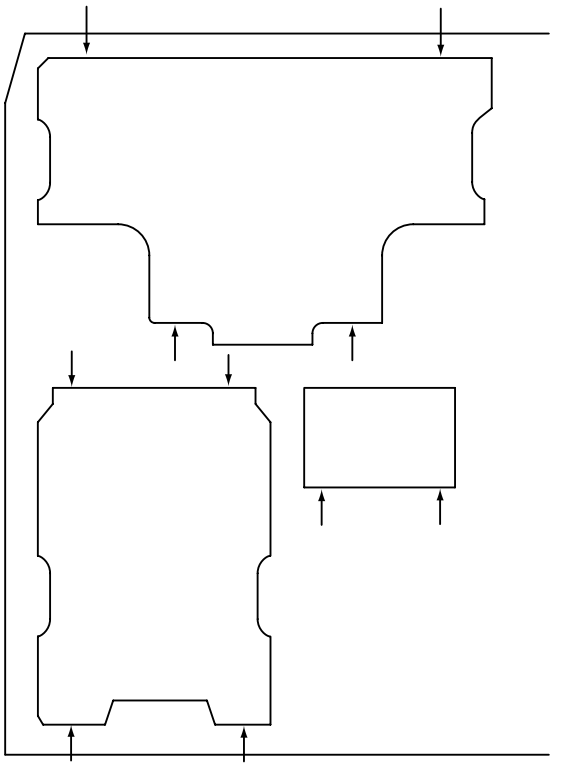


REMOVAL AND REPLACEMENT OF THE MAIN-BRACKET BOTTOM PLATES.

(1) REMOVING THE PLATES

In the event of servicing being required to the solder side of the D Board printed wiring board, the bottom plates fitted to the main chassis bracket require to be removed.
This is performed by cutting the gates with a sharp wire cutter at the locations indicated by the arrows.

Note : There are 3 plates fitted to the main bracket and secured by3 gates.
Only remove the necessary plate to gain access to the printed wiring board.

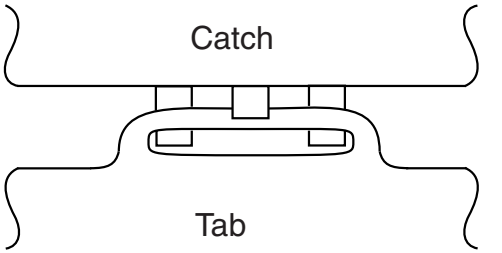


⚠ For safety reasons, on no account should the plates be removed and not refitted after servicing.

(2) REFITTING THE PLATES

Because the plates differ in size it is important that the correct plates are refitted in their original location.

Please note that the plates need to be rotated 180 degrees from their cut position to allow the tabs to be fitted into their catch positions.



SECTION 3 SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there are specific instructions to the contrary, carry out these adjustments with the rated power supply.
- Unless there are specific instructions to the contrary, set the controls and switches to the following settings :

  Contrast ..... normal

  Brightness ..... normal

Carry out the adjustments in the following order :

3-1. Beam Landing.
3-2. Convergence.
3-3. Focus.
3-4. White Balance.

Note : Test equipment required.
1. Color bar/pattern generator.
2. Degausser.
3. Oscilloscope.
4. Digital multimeter.

3-1. Beam Landing

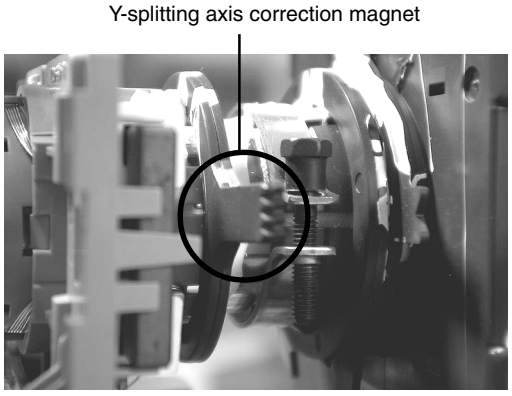
Preparation :

1. In order to reduce the influence of geomagnetism on the set's picture tube, face it in an easterly or westerly direction.
2. Switch on the TV set's power and degauss with a degausser.

(1) Adjustment of Correction Magnet for Y-Splitting Axis.

1. Input a crosshatch signal from the pattern generator.
2. Set the Picture control to minimum and confirm that the Brightness control is set to normal.
3. Position the neck assembly as indicated in Fig.3-2.
4. Loosen the deflection yoke fixing screw.
5. Move the deflection yoke as far forward as is possible.
6. Adjust the upper and lower pin symmetrically by opening or closing the Y-splitting axis correction magnets located on the neck assembly. [See Fig 3-3]
7. Return the deflection yoke to its original position and re-tighten its fixing screw.

Fig.3-1



Caution :

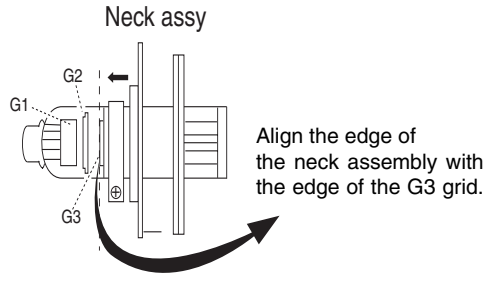
High voltages are present on the Deflection yoke terminals - take care when handling the Deflection yoke whilst carrying out adjustments.

(2) Landing

Note : Before carrying out the following adjustments adjust the magnets as indicated below [See Fig.3-4].

1. Input a crosshatch signal from the signal generator.
2. Rough-adjust the focus and horizontal convergence.
3. Switch from the crosshatch pattern to an all-red pattern.
4. Move the deflection yoke backwards and adjust with the purity magnet so that the red is at the centre and it aligns symmetrically [See Fig.3-5].
5. Move the deflection yoke forward to the point where the entire screen just becomes red [Mark its position].
6. Move the deflection yoke further forward until the screen just changes colour at the edges. [Mark its position]
7. Position the deflection yoke between the two marks indicated above.
8. Input a crosshatch pattern from the pattern generator and rotate the deflection yoke so that the horizontal lines are parallel with the top and bottom of the screen.
9. When the position of the deflection yoke has been determined, fasten it with its fixing screw.
10. Switch the pattern generator to green then blue and confirm the purity.
11. If the beam does not land correctly in all the corners of the screen, use disk magnets to correct it. [Confirm the corner landing for green and blue]

Fig.3-2



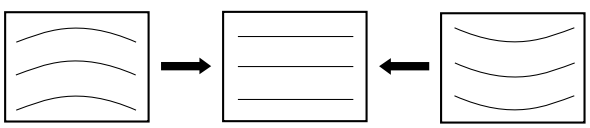
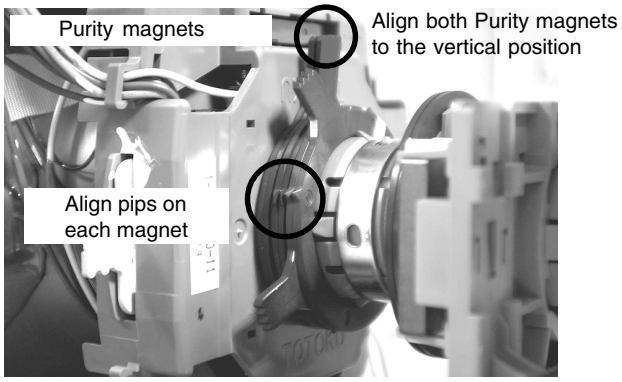
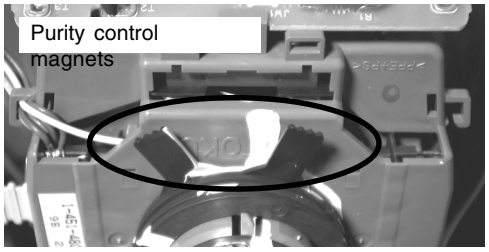
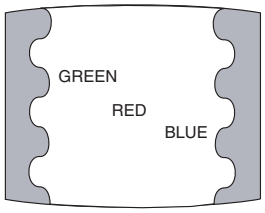


Fig.3-3

Fig.3-4







3-2. Convergence

(1) Screen centre convergence [Static convergence]

1. Input a dot pattern signal from the pattern generator.
2. Normalize the picture setting.
3. [Moving vertically], adjust the V.STAT magnet so that the vertical red, green and blue dots coincide at the centre of the screen.

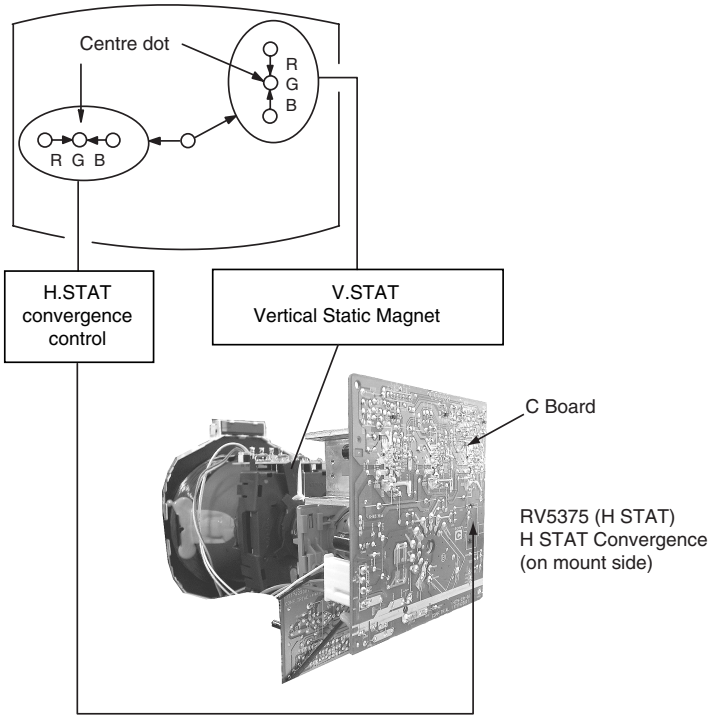
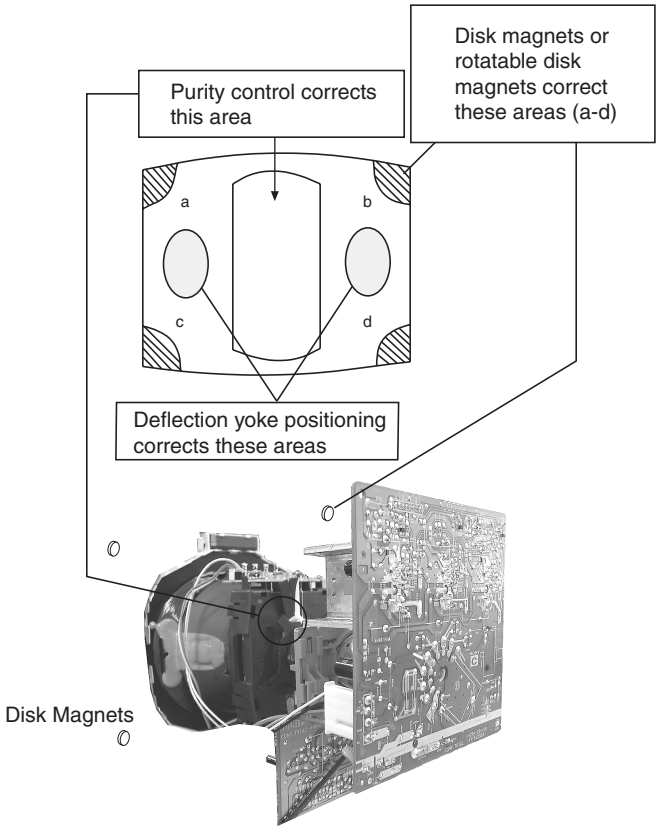
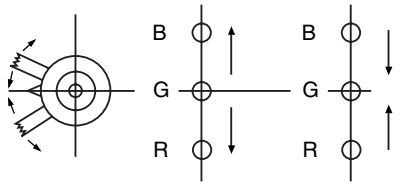


Fig.3-5



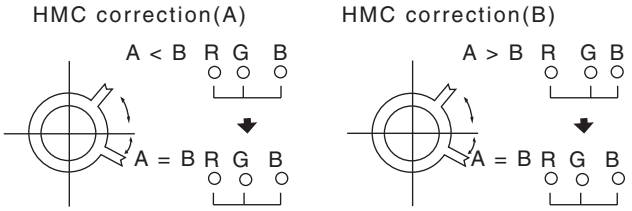
By opening or closing the V.STAT magnet, the red green and blue dots move in the direction indicated below.



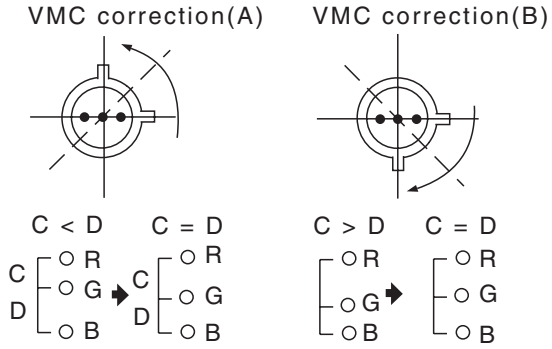
Note: Do not adjust the H.STAT by rotating the V.STAT magnets as this can affect the focus setting.

4. Correction for HMC [Horizontal mis-convergence] and VMC [Vertical mis-convergence] by using the BMC [Hexapole] magnet.

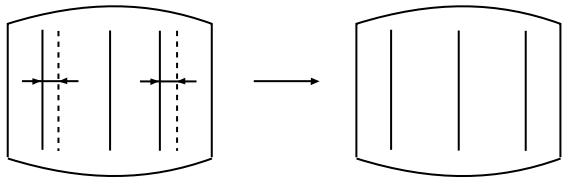
a). HMC correction by BMC [Hexapole] magnet and movement of the electron beam.



b). VMC correction by BMC [Hexapole] magnet and movement of the electron beam.

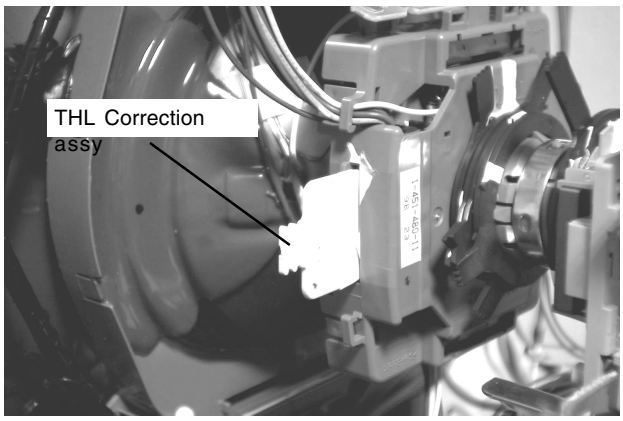


HAMP Adjustment

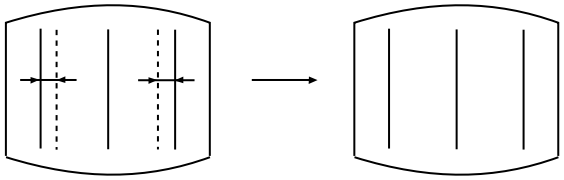


Adjust the HAMP using HAMPL and HAMPR registers in the Dynamic Convergence section of the service menu.

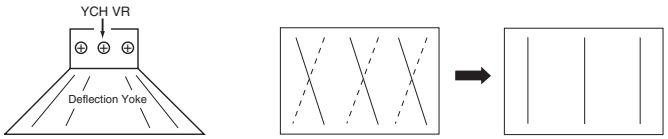
HTIL Adjustment



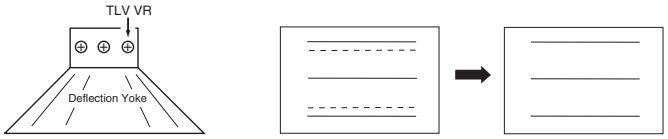
HTIL correction can be performed by adding a THL correction assembly to the Deflection yoke.



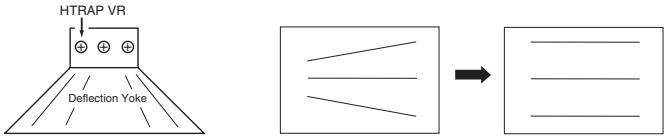
YCH Adjustment



TLV Adjustment

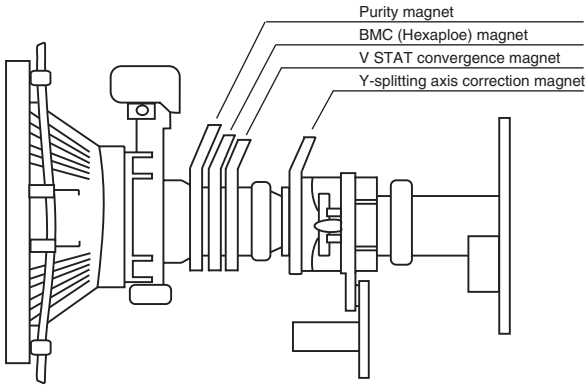


H-TRAP Adjustment

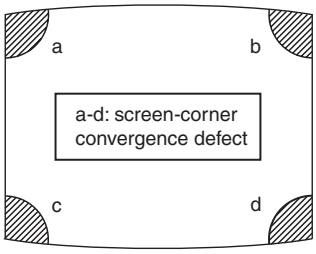


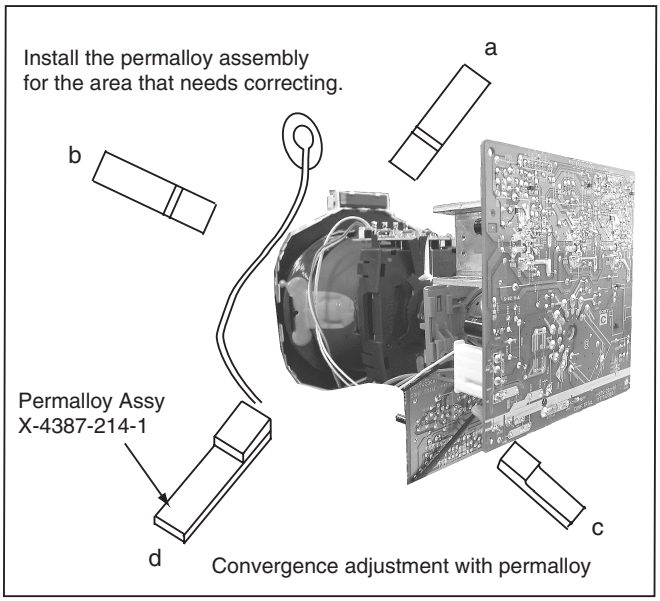
The H-TRAP should not be adjusted unless absolutely necessary as it affects the TLV settings.

Layout of each control



Note : If you are unable to adjust the corner convergence properly, this can be corrected with the use of permalloy magnets.

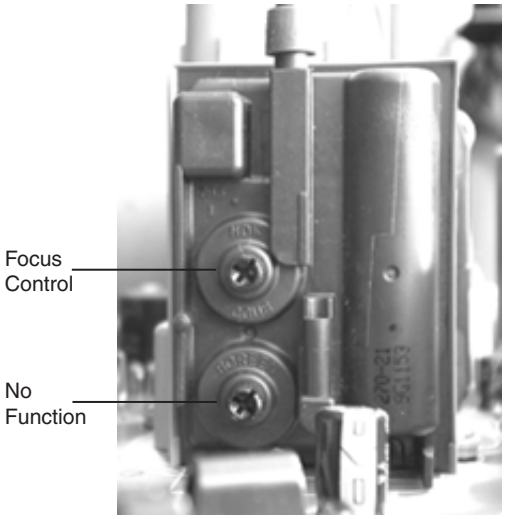




Convergence adjustment with permalloy

3-3. Focus Adjustment

1. Receive a television broadcast signal.
2. Normalize the picture setting.
3. Adjust the focus control located on the flyback transformer to obtain the best focus at the centre of the screen.
   Bring only the centre area of the screen into focus, the magenta-ring appears on the screen. In this case, adjust the focus to optimize the screen uniformly.



3-4. Screen (G2), White Balance

[Adjustment in the service mode using the remote commander]

G2 adjustment [RV5376]

1. Input a dot signal from the pattern generator.
2. Set the Picture, Brightness and Colour to minimum.
3. Apply 175V DC from an external power supply to the R, G and B cathodes of the CRT.
4. Whilst watching the picture, adjust the G2 control RV5376 [SCREEN] located on the C Board to the point just before the flyback return lines disappear.

White balance adjustment for TV mode

1. Input an all-white signal from the pattern generator.
2. Enter into the 'Service Mode' by pressing 'TEST', 'TEST' and 'MENU' 'MENU' on the Service Commander.
3. Select 'Backend' from the on screen menu display and press 'OK'.
4. The 'Backend' menu will appear on the screen.[See Page 26]
5. Set the 'Contrast' to MAX.
6. Set the 'R-Drive' to 41.
7. Adjust the 'G-Drive' and the 'B-Drive' so that the white balance becomes optimum.
8. Press the 'OK' button to write the data for each item.
9. Set the 'Contrast' to MIN.
10. Set the 'R-Cutoff' to 31.
11. Adjust the 'G-Cutoff', and the 'B-Cutoff' with the left and right buttons on the remote commander so that the white balance becomes optimum.
12. Press the 'OK' button to write the data for each item.

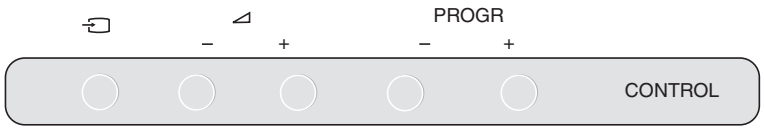
SECTION 4 CIRCUIT ADJUSTMENTS

4-1. Electrical Adjustments

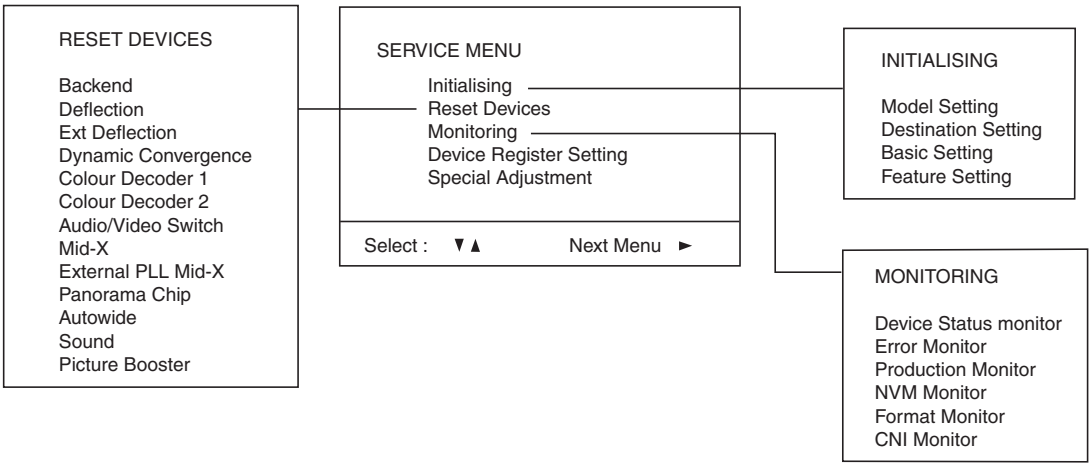
Service adjustments to this model can be performed using the supplied Remote Commander RM-892.

How to enter into the Service Mode

1. Turn on the main power switch of the set while pressing PROG + (plus) and PROG - (minus) buttons on the top control panel.



2. 'TT' will appear in the upper right corner of the screen.
3. Press the 'MENU' button twice on the remote commander to obtain the service menu on the screen.



4. Push the joystick up or down on the remote commander to select the adjustment item.
5. Push the right button to proceed to the next menu.
6. If the required adjustment item is 'Deflection', push the down button to move to 'Deflection'.
7. Push the joystick to the right to enter into 'Deflection'.
8. Change the data in order to comply with each standard.

Note :

- Before performing any adjustments ensure that the correct model has been selected in the 'Model Setting' menu.
- After carrying out the service adjustments, to prevent the customer accessing the 'Service Menu' switch the TV set OFF and then ON.

Initialising Menu

```
Initialising

          Model Setting
          Destination Setting
          Basic Setting
          Feature Setting
Select :        Next menu:
```

Model Setting

The menu contains a list with all the available models of this software to set up the TV set in an easy way. The selection of a model is setting data for its features and hardware resources which cannot be detected by the automatic power on H/W detection as well as a special *model byte* to get an unique model identification for models which cannot be differed by features and hardware resources (e.g. KV-28FC60 and KV-28FC60Z)

Before data is set, the user will be asked if he really wants to set a new model. If the user agrees, automatically the destination setting menu is shown.

```
Model Setting

1          KV-29FX60          Reset
2          KV-29FC60
3          KV-29FS60
4          KV-28FX60
5          KV-32FX60
6          KV-32FS60
7          KV-28FC60
8          KV-32FC60
9          KV-28FC60Z
10         KV-32FC60Z
11         KV-28FS70
12         KV-32FS70
13         KV-36FS70

BLACK      = No Conformity
GREEN      = Compatible Model
RED        = Conformity for all data
```

Table.4-1

Indication of Model Compatibility.

Black:
If any data does not match to specific model, the model name is displayed in black.
Green:
All data which is checked by model setting menu concurs to model except model byte.
Red:
All data which is checked by model setting menu concurs to model including model byte.

Note:
After selecting a model, it may be necessary to reset some devices to get the correct data. (Treble/Bass Offset of Sound, deflection adjustments, ...)

Basic Setting

Basic setting

No	Descr	Min	Max	Data
1	Sys.B/G	OFF	ON	ON
2	Sys.D/K	OFF	ON	On
3	Sys.L	OFF	ON	ON
4	Sys.I (UK)	OFF	ON	OFF
5	Sys.I (IRL)	OFF	ON	OFF
6	TXTNat.option	1	4	3
7	Simple PAT	OFF	ON	OFF
8	16:9 CRT	OFF	ON	OFF
9	Sub-woofer	OFF	ON	OFF
10	Auto stand-by	OFF	ON	ON
11	Comb-filter	OFF	ON	OFF
12	Auto YC det	OFF	ON	ON
13	Auto comb det	OFF	ON	OFF
14	AV2 Available	OFF	ON	ON
15	AV3 Available	OFF	ON	ON
16	AV4 Available	OFF	ON	ON
17	AV3 Fr & rear	OFF	ON	OFF
18	SECAM Tape	OFF	ON	ON
19	AV1 Sound Mute	OFF	ON	OFF

Table.4-2

Feature Setting

Feature setting

No	Descr	Min	Max	Data
1	PAP	OFF	ON	ON
2	PAT	OFF	ON	ON
3	INDEX	OFF	ON	ON
4	EPG	OFF	ON	ON
5	FULL EPG	OFF	ON	ON
6	PICT BOOST BYPASS	OFF	ON	ON

Table.4-3

Device Register Setting

```
          Backend
          Deflection
          Ext Deflection
          Dynamic Convergence
          Colour Decoder 1
          Colour Decoder 2
          Audio / Video Switch
          Mid - X
          External PLL Mid - X
          Panorama Chip
          Autowide
          Sound
          Picture Booster
```

Table.4-4

Audio / Video Switch

No	Descr	Def	Min	Max	Data
1	CVOUT1	0	0	9	0
2	CVOUT2	2	0	9	2
3	GD1 SW	ON	OFF	ON	OFF
4	GD2 SW	ON	OFF	ON	OFF
5	YCOUT 1	0	0	7	0
6	YCOUT 2	1	0	7	1
7	LO0CTRL	OFF	OFF	ON	OFF
8	LO1CTRL	OFF	OFF	ON	OFF
9	AOUT 1	3	0	7	3
10	AOUT 2	3	0	7	3
11	AOUT 3MUTE	OFF	OFF	ON	OFF
12	ZCD SW	ON	OFF	ON	ON
13	AOUT 3	1	0	7	3
14	GROUP DEL	15	0	31	15
15	AOUT3 L/R	0	0	3	0
16	AOUT3VOLF	0	0	7	0
17	AOUT3VOLC	3	0	7	3
18	SYNC1	1	0	1	0
19	SYNC2	1	0	1	0

Table.4-5

Special Adjustment

No	Descr	Min	Max	Data
1	RGB level	0	7	0
2	RGB Gain	0	31	9
3	RGB PatLevel	0	7	0
4	RGB Patgain	0	31	9
5	RGB H-Position	-10	+10	0
6	Extra Fw	0	255	255
7	EPG Chks Check	OFF	ON	ON
8	Slicer High	OFF	ON	ON
9	FCW Wide	OFF	ON	OFF
10	High PLL	OFF	ON	OFF
11	Panic offset	0	2	2
12	Wide Mute	OFF	ON	ON
13	Mpeg Trap	OFF	ON	OFF
14	NLD Step	-7	0	-1
15	PKD Step	-15	0	-3
16	CRD Step	0	15	5
17	SHP Step	-7	0	-2
18	COL Step	-7	0	-1
19	NTSC Auto YC	OFF	ON	ON
20	Cb Offset2main	-7	8	5
21	Cr Offset2main	-7	8	3
22	Cb Offset1sub	-7	8	8
23	Cr Offset1sub	-7	8	8

Table.4-6

Backend

No	Descr	Def	Min	Max	Data
1	R-On	ON	OFF	ON	ON
2	G-On	ON	OFF	ON	ON
3	B-On	ON	OFF	ON	ON
4	D-Col	OFF	OFF	ON	OFF
5	Color-Axis	2	0	3	2
6	Contrast	44	0	63	44
7	Limit-Lvl	3	0	3	3
8	Hue	32	0	63	32
9	Colour	31	0	63	31
10	CTI-Level	2	0	3	2
11	Brightness	31	0	63	31
12	Gamma	3	0	3	3
13	Sharpness	44	0	63	44
14	R-Drive	41	0	63	41
15	G-Drive	41	0	63	41
16	B-Drive	41	0	63	41
17	ABL-Mode	0	0	3	0
18	Sub Bright	31	0	63	31
19	VM-Level	2	0	3	2
20	R-Cutoff	31	0	63	31
21	Pre/Over	2	0	3	2
22	G-Cutoff	31	0	63	31
23	DPIC-Level	1	0	3	1
24	B-Cutoff	31	0	63	31
25	DC-Tran	0	0	3	0
26	Sub-Cont	7	0	15	7
27	LRGB2-Lvl	8	0	15	8
28	P-Abl	15	0	15	15
29	Sharp FO	ON	OFF	ON	ON
30	Aging-W	OFF	OFF	ON	OFF
31	Aging-B	OFF	OFF	ON	OFF
32	CB-Offset1	7	0	15	7
33	CR-Offset1	7	0	15	7
34	CB-Offset2	7	0	15	7
35	CR-Offset2	7	0	15	7
36	Sub Colour	0	-8	8	0

Table.4-7

Colour Decoder 1

No	Descr	Def	Min	Max	Data
1	Tint	31	0	63	31
2	P/N Gw	OFF	OFF	ON	OFF
3	P/N ID	OFF	OFF	ON	OFF
4	Sub Colour	7	0	15	7
5	Sub Contr	7	0	15	7
6	Sharp FO	1	0	3	1
7	Sharp EQ	2	0	3	2
8	Sharp Gain	8	0	15	8
9	Y-Out Gain	35	0	63	35
10	BS Point	0	0	3	0
11	C-Out Lev	45	0	63	45
12	DC Rest	0	0	3	0
13	BPF FO	2	0	3	2
14	BPF Q	1	0	3	1
15	Filter Sw	OFF	OFF	ON	OFF

Table.4-8

Colour Decoder 1 (cont)

No	Descr	Def	Min	Max	Data
16	C-Trap Sw	0	0	1	0
17	S-D Trap	ON	OFF	ON	ON
18	LPF	ON	OFF	ON	ON
19	Y-DL	8	0	10	8
20	N-Comb	ON	OFF	ON	ON
21	Video Sel	0	0	15	0
22	RGB Sel	0	0	3	0
23	Halftone	OFF	OFF	ON	OFF
24	CrOFF.1	7	0	15	7
25	CbOFF.1	7	0	15	7
26	CrOFF.2	7	0	15	7
27	CbOFF.2	7	0	15	7
28	VCD Freq	3	0	7	3
29	VCD Mode	0	0	3	0
30	AFC SENS	OFF	0	3	1
31	MVM	OFF	OFF	ON	OFF
32	S-R-Y Adj	7	0	15	7
33	S-B-Y Adj	2	0	15	2
34	BELL/HPF	2	0	3	2
35	BELL FO	OFF	OFF	ON	OFF
36	S-GP	0	0	3	0
37	S ID	OFF	OFF	ON	OFF
38	RGB1 ENB	OFF	OFF	ON	OFF
39	HS-PH	1	0	1	1
40	S/N RATIO	3	0	3	3

Table.4-9

Dynamic Convergence

No	Descr	Def	Min	Max	Data
1	Range	63	0	63	63
2	H Stat	33	0	63	33
3	H amp L	37	0	63	37
4	H amp R	36	0	63	0
5	Up Y	31	0	63	31
6	Low Y	33	0	63	33
7	Y up L	30	0	63	30
8	Y up R	30	0	63	30
9	Y low L	31	0	63	31
10	Y low R	30	0	63	30
11	Mbow Up L	31	0	63	31
12	Mbow Up R	32	0	63	32
13	Mbow Low L	32	0	63	32
14	Mbow Low R	32	0	63	32
15	V Stat	32	0	63	32
16	T Cor PCtrl	OFF	OFF	ON	OFF
17	Top Cor Pin	31	0	63	31
18	B Cor PCtrl	OFF	OFF	ON	OFF
19	Bot Cor Pin	31	0	63	43

Table.4-10

Sound

No	Descr	Def	Min	Max	Data
1	Ref.Level	40	0	20	40
2	Auto-gain	ON	OFF	ON	ON
3	Ana-in	0	0	1	0
4	Carr-mute	ON	OFF	ON	ON
5	Clock out	ON	OFF	ON	ON
6	AM-gain	ON	OFF	ON	ON
7	Clip mode	0	0	2	0
8	SCART1 Vol	79	0	127	79
9	SCART2 Vol	79	0	127	79
10	SCART Pr	27	0	127	27
11	I2S1-pr	16	0	127	16
12	I2S2-pr	16	0	127	16
13	FM pr	27	0	127	27
14	BG Nic-pr	53	0	127	53
15	L Nic-pr	59	0	127	59
16	DK Nic-pr	53	0	127	53
17	I Nic-pr	97	0	127	97
18	Irl Nic-pr	97	0	127	97
19	AVC-Decay	2	0	8	2
20	SubW-vol	0	-127	0	0
21	SubW-freq	20	5	40	20
22	SubW-HPass	OFF	OFF	ON	OFF
23	Spat-stre	+127	0	-1	127
24	Spat-Coeff	0	0	8	0
25	Bass offs	0	-3	+3	0
26	Treble offs	2	-3	+3	0
27	Loudn offs	0	0	9	0
28	Hp-Voloffs	-2	-5	+5	-2
29	M-S Limit	+30	-128	+127	30
30	M-B Limit	-30	-128	+127	-30
31	S-M Limit	+12	-128	+127	12
32	S-B Limit	-20	-128	+127	-20
33	B-M Limit	-12	-128	+127	-12
34	B-S Limit	+20	-128	+127	20
35	Err.Max	40	0	255	40
36	Err.Min	14	0	255	18
37	Vol.Offs	-3	-6	0	0

Table.4-11

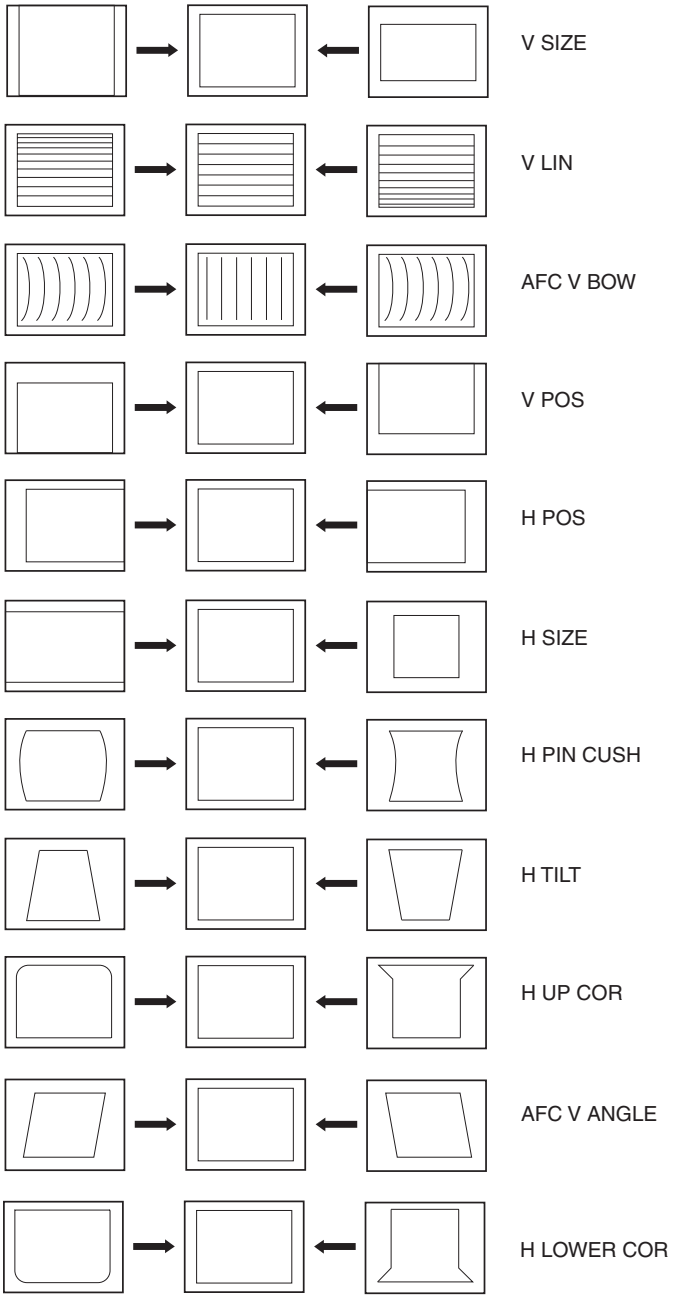
Ext. Deflection

No	Descr	Def	Min	Max	Data
1	Corner Pin	127	0	255	127
2	Rotation	0	0	255	0
3	FocusPhase	127	0	255	196
4	H Linear	127	0	255	95
5	DC Mod	127	0	255	170
6	H Trapez	127	0	255	130
7	DQP Phase	127	0	255	160
8	AC Amp	127	0	255	160
9	Mid Linear	127	0	255	147
10	H Centre	63	0	255	90
11	AC Mod	127	0	255	127
12	DC Level	127	0	255	90

Table.4-12

Deflection					
No	Descr	Def	Min	Max	Data
1	V-Size	31	0	63	22
2	V-Position	31	0	63	33
3	V-Comp	1	0	3	1
4	V-Linear	7	0	15	7
5	S-Corr	7	0	15	7
6	H-Size	31	0	63	37
7	EW-DC	OFF	OFF	ON	OFF
8	Akb Tim2	OFF	OFF	ON	OFF
9	Pin-Amp	31	0	63	40
10	H-Comp	0	0	3	0
11	Up-Cpin	31	0	63	33
12	M-Pin	2	0	3	2
13	Lo-CPin	31	0	63	32
14	Trapezium	7	0	15	7
15	H-Position	31	0	63	28
16	VblKw	0	0	3	0
17	AFC-Bow	7	0	15	7
18	AFC-Angle	7	0	15	7
19	Left-Blk	52	0	63	52
20	Right-Blk	11	0	63	11
21	V-Freerun	0	0	3	0
22	V-Aspect	0	0	63	0
23	Zoom-Sw	OFF	OFF	ON	OFF
24	U-Scan	OFF	OFF	ON	OFF
25	V-Scroll	31	0	63	31
26	Akb-Tim	2	0	3	2
27	Up-Vlin	0	0	15	0
28	Lo-Vlin	0	0	15	0
29	MPIP PAmp	-5	-10	+10	-5
30	MPIPUCPin	0	-10	+10	0
31	MPIPLCPin	0	-10	+10	0
32	MPIP Trap	0	-10	+10	0
33	EPG PAmp	-3	-10	+10	-3
34	EPG UCPin	0	-10	+10	0
35	EPG LCPin	1	-10	+10	1
36	EPG Trap	0	-10	+10	0

Table.4-13



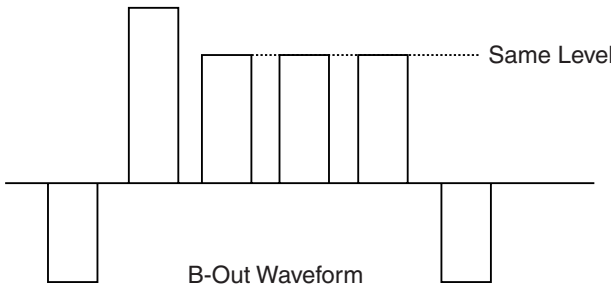
Deflection System Adjustment

1. Enter into the service mode and select 'Deflection' from the menu. The 'Deflection' adjustment menu will be displayed.
2. Select and adjust each item to obtain the optimum image.

4-2. Volume Electrical Adjustments

Sub Colour Adjustment

1. Input a PAL colour bar signal.
2. Connect an oscilloscope to CN5400 pin 5 located on the C Board.
3. Enter into the 'Service Mode'.
4. Choose 'Backend' from the menu.
5. Adjust 'Sub Colour' data so that the right sides of the waveform are of equal height.



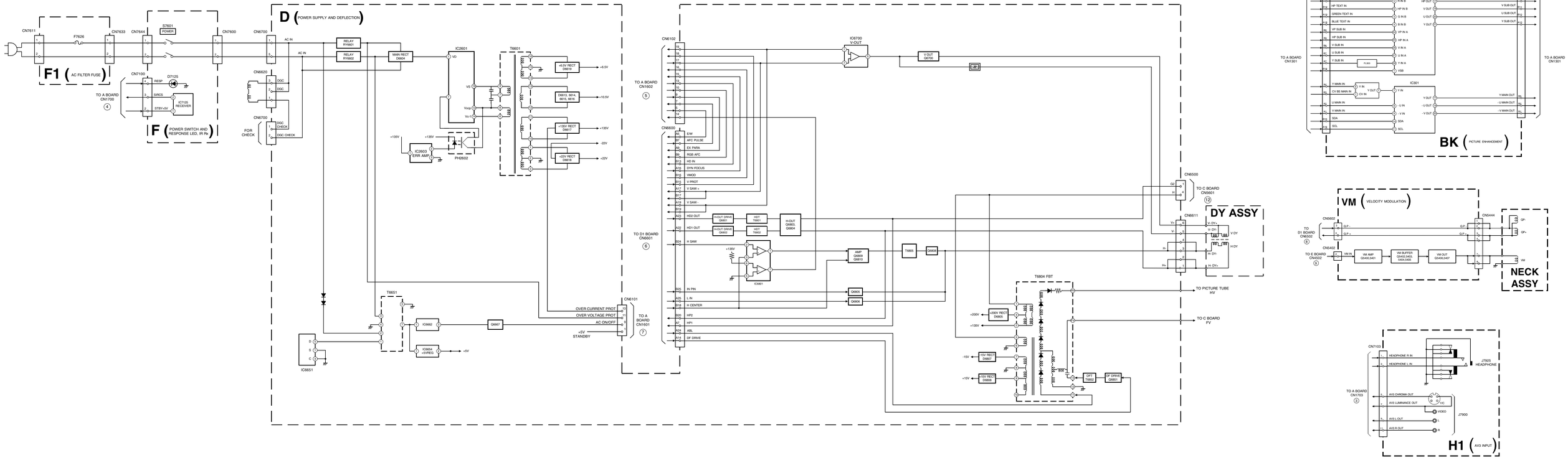
4-3. TEST MODE 2:

Is available by pressing the 'TEST' button twice, OSD 'TT' appears. The functions described below are available by selecting the two numbers. To release the 'Test mode 2', press 0, 10, 20 ... twice or switch the TV set into Stand-by mode. Pressing the two Local Control buttons (+ and -) during power ON will also switch into 'TT' mode.
In 'TT' mode, it is possible to remove the Menu from the screen by pressing the Speaker Off button once. Pressing the Speaker OFF button a second time will cause the Menu to reappear. The function is kept even when the menu is not displayed on screen !!.

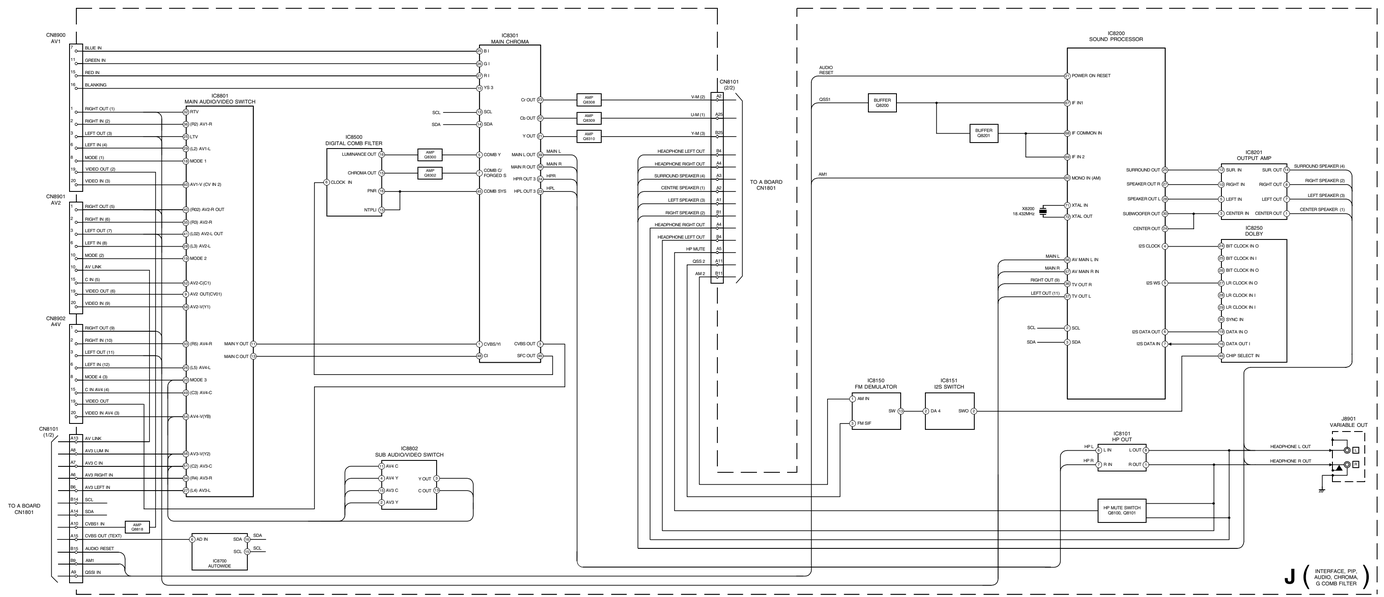
00	'TT' mode off
01	Picture maximum
02	Picture minimum
03	Set speaker/headphone Volume to 30%
04	Set speaker/headphone Volume to 50%
05	Set speaker/headphone Volume to 65%
06	Set speaker/headphone Volume to 80%
07	Ageing mode
08	Shipping Condition
10	No function
11	Sub picture adjustment
12	Sub colour adjustment
13	Display software version and TV set configeration
14	Production Info Display
15	Picture Rotation
16	Picture level 50%
17	Audio mute on
18	No function
19	Sub brightness adjustment
20	No function
21	Destination A includes text settings, display TV status
22	Destination L includes text settings, display TV status
23	Destination E includes text settings, display TV status
24	Destination U includes text settings, display TV status
25	Destination D includes text settings, display TV status
26	Destination B includes text settings, display TV status
27	Destination K includes text settings, display TV status
28	Destination R includes text settings, display TV status
30	No function
31	Geometry Adjustment 1
32	Geometry Adjustment 2
33	Error monitor
34	No function
35	CRT 4:3 <> 16:9 ; Display TV status
36	Line 23 detection switch
37	Velocity Modulation (VM) test
38	No function
39	No function
40	No function
41	Screen mode check
42	Re-initialise geometry
43	No function
44	No function
45	No function
46	Reserved for dealer commander
47	Re-initialise NVM
48	Set NVM as non virgin
49	Set NVM as virgin
50	No function
51	Set Dolby volume to 90%
52	Dolby on left speaker only
53	Dolby on right speaker only

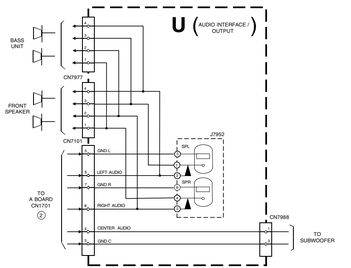
54	Dolby on left centre only
55	Dolby on surround speaker only
56 - 59	No function
60	No function
61	Service mode
62	Production mode
63	Copy the picture reset data from ROM into the picture reset location of NVM
65	Copy the actual adj picture data from NVM to reset location of NVM
65	Reset error codes
68	Ignore error on
69	Ignore errors off
70	No function
71	Copy default dates of PANORAMA chip and external PLL from ROM into NVM
72	No function
73	Clear all programmes except 1-5 and all station labels
74	Adjustment for PIN Amp/Upper Corner Pin for MID, EPG and 12501 mode
75	Adjustment for Lower Corner Pin/ Trapezoid for MID, EPG and 12501 mode
76	Adjustment for M Pin for 12501 mode
77 - 79	No function
80	No function
81	Horizontal adjustment for left picture in PAP mode, text picture in PAT mode and centre picture in INDEX mode. Adjustment is done with left and right joystick button, released by "TV" or "OK" buttons. The corresponding mode must be set before adjustment.
82	Horizontal adjustment for right picture in PAP mode and live picture in PAT mode. Adjustment is done with left and right joystick button, released by "TV" or "OK" buttons. The corresponding mode must be set before adjustment.
83 - 86	No function
87	Personal ID reset
88	Parental Lock off
89	No function
90	No function
91	Vertical MID adjustment. Adjustment is done with up and down joystick button, released by "TV" or "OK" buttons.
92	Horizontal MID adjustment. Adjustment is done with left and right joystick button, released by "TV" or "OK" buttons.
93	Reserved
94	No function
95	Dolby Low Pass Filter ON in surround channel
96	Dolby Low Pass Filter OFF in surround channel

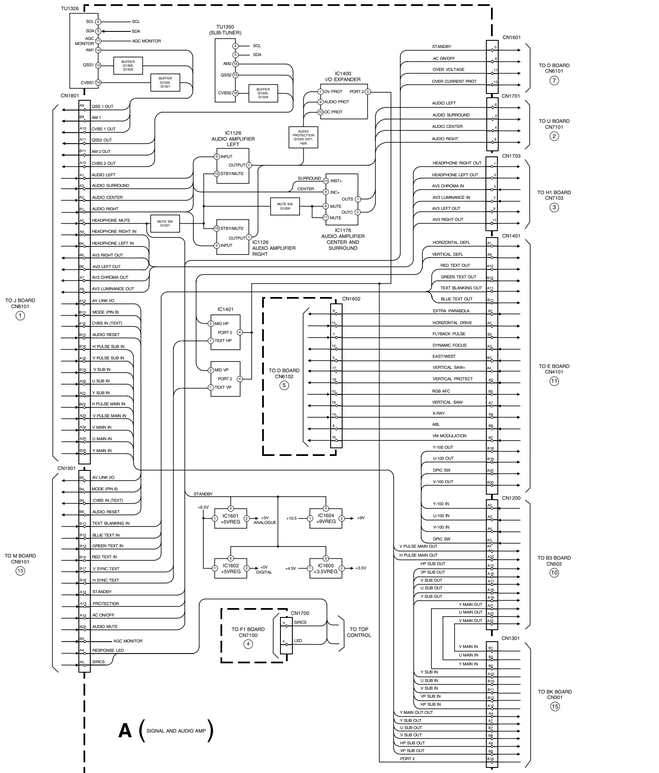
5-1. BLOCK DIAGRAMS (1)



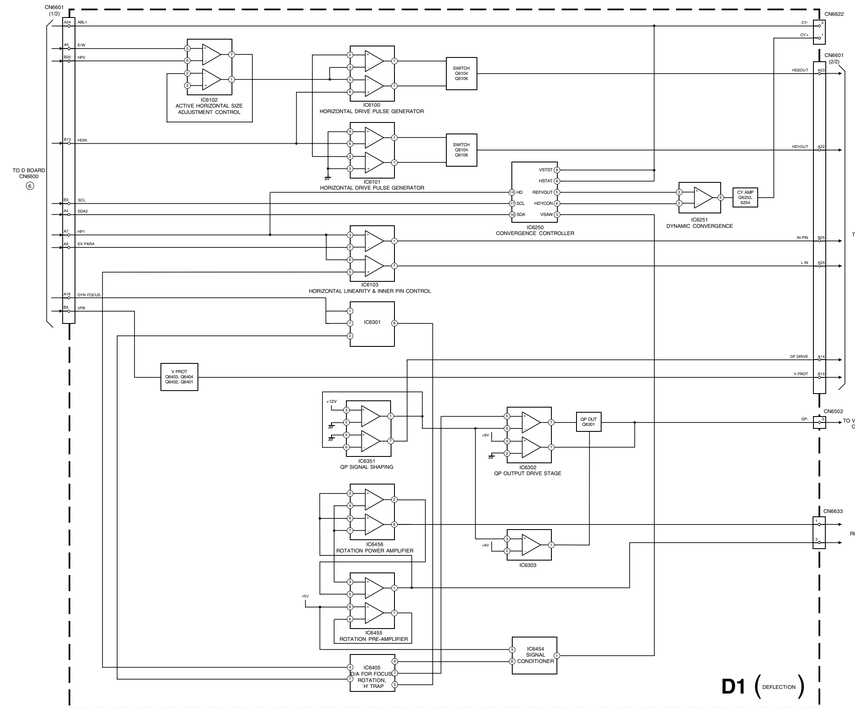
5-1. BLOCK DIAGRAMS (2)

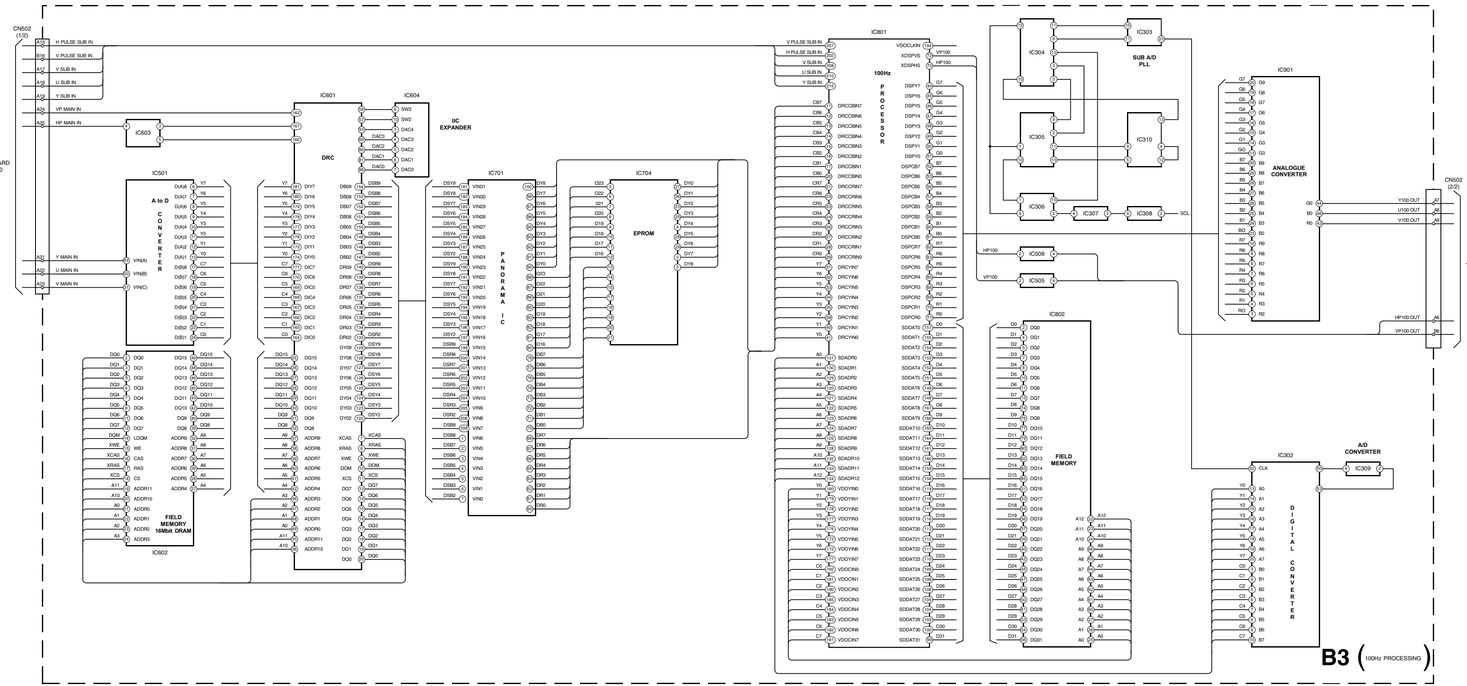




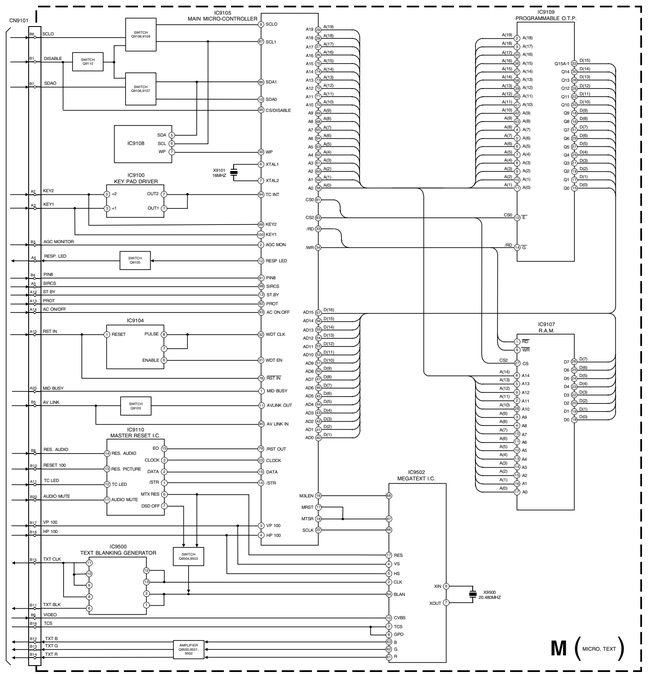


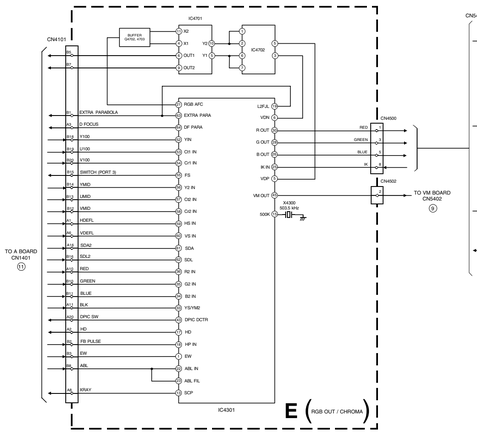
5-1. BLOCK DIAGRAMS (3)

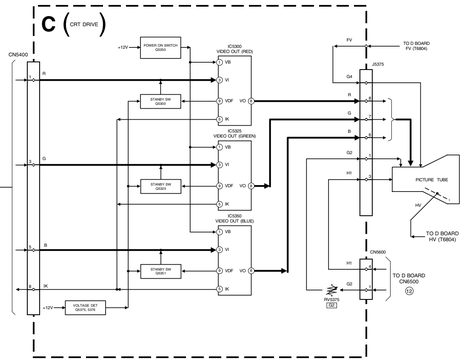




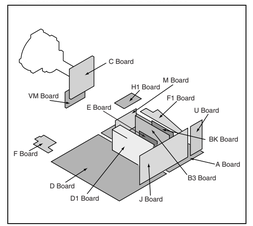
5-1. BLOCK DIAGRAMS (4)







5-2. CIRCUIT BOARD LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note :

- All capacitors are in µF unless otherwise noted.
- pF : µµF 50WV or less are not indicated except for electrolytic types.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm
Electrical power rating : 1/4W

- Chip resistors are 1/10W
- All resistors are in ohms.
  k = 1000 ohms, M = 1000,000 ohms
- : nonflammable resistor.
- : fusible resistor.
- : internal component.
- : panel designation or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in Volts.
- Readings are taken with a 10Mohm digital mutimeter.
- Readings are taken with a color bar input signal.
- Voltage variations may be noted due to normal production tolerences.
- : B + bus.
- : B - bus.
- : RF signal path.
- : earth - ground.
- : earth - chassis.

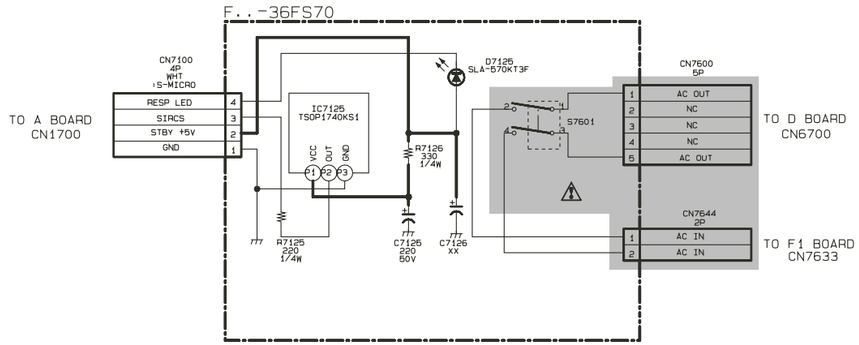
Reference Information

RESISTOR	**RN**	: METAL FILM
	RC	: SOLID
	FPRD	: NON FLAMMABLE CARBON
	FUSE	: NON FLAMMABLE FUSIBLE
	RS	: NON FLAMMABLE METAL OXIDE
	RB	: NON FLAMMABLE CEMENT
	RW	: NON FLAMMABLE WIREWOUND
		: ADJUSTMENT RESISTOR
COIL	**LF-8L**	: MICRO INDUCTOR
CAPACITOR	**TA**	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

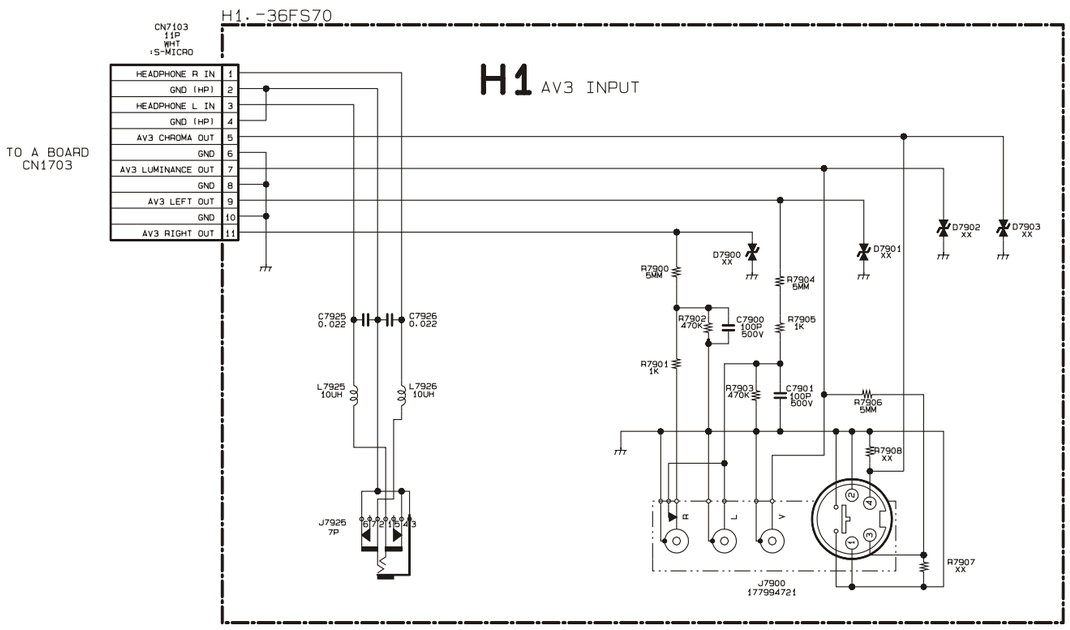
Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

Note : Les composants identifiés par une trame et par une marque ⚠ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié. specified.

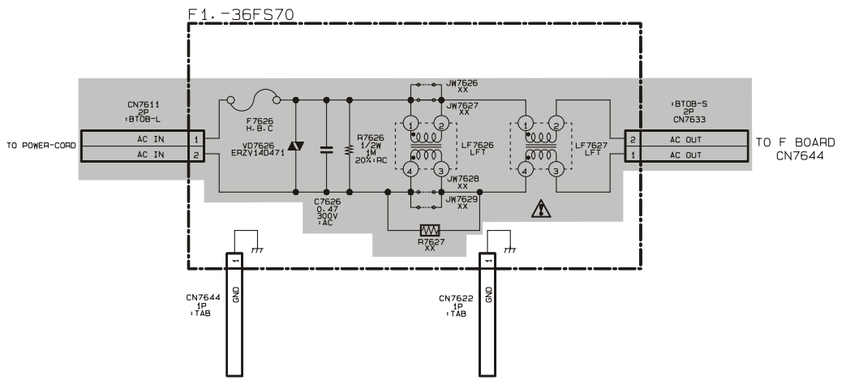
F [POWER SWITCH, RESPONSE LED IR, RX]



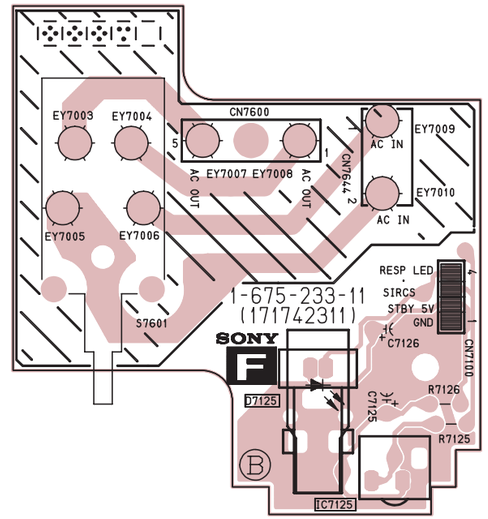
H1 [AV3 INPUT]



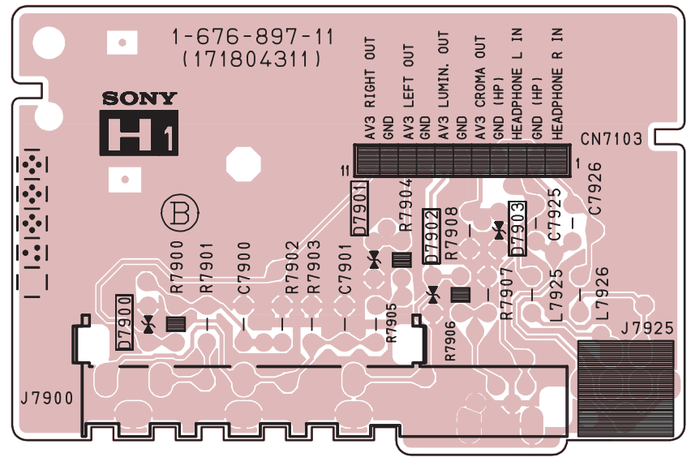
F1 [AC FILTER, FUSE]



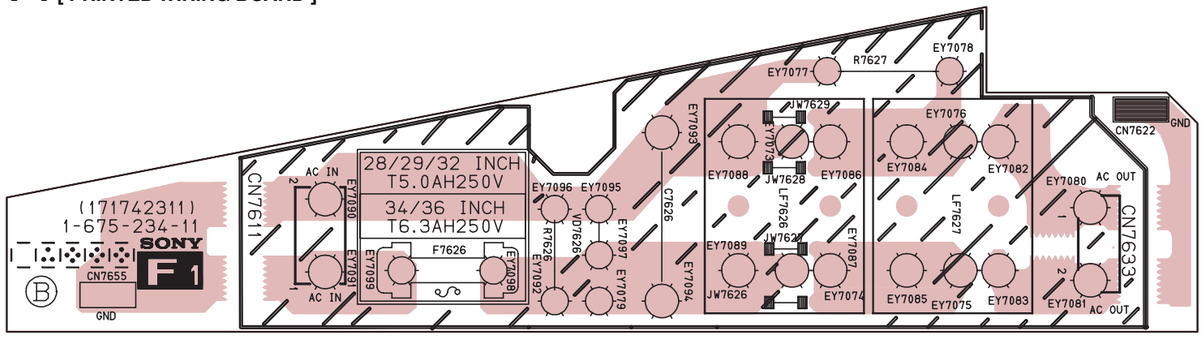
F [PRINTED WIRING BOARD]

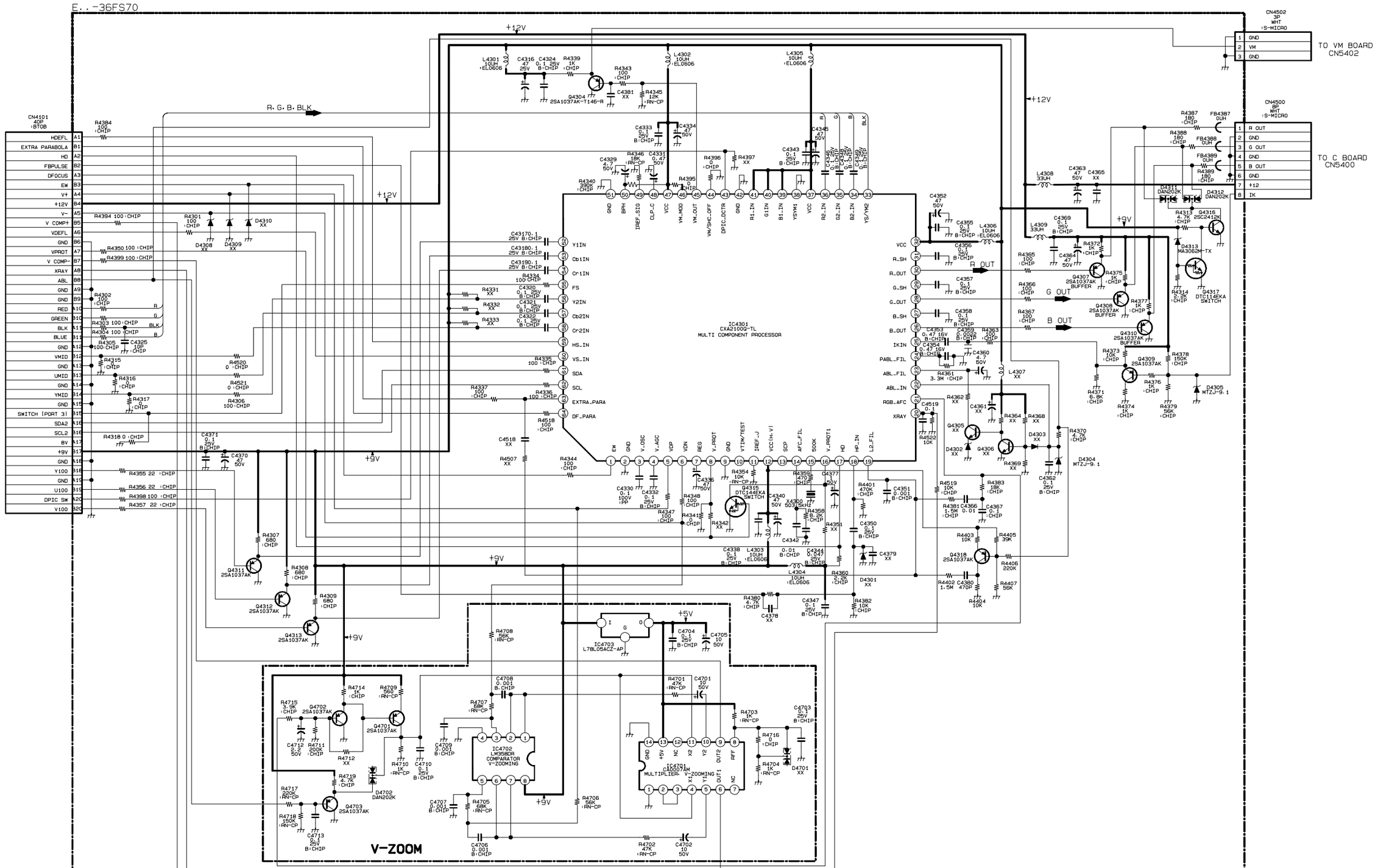


H1 [PRINTED WIRING BOARD]



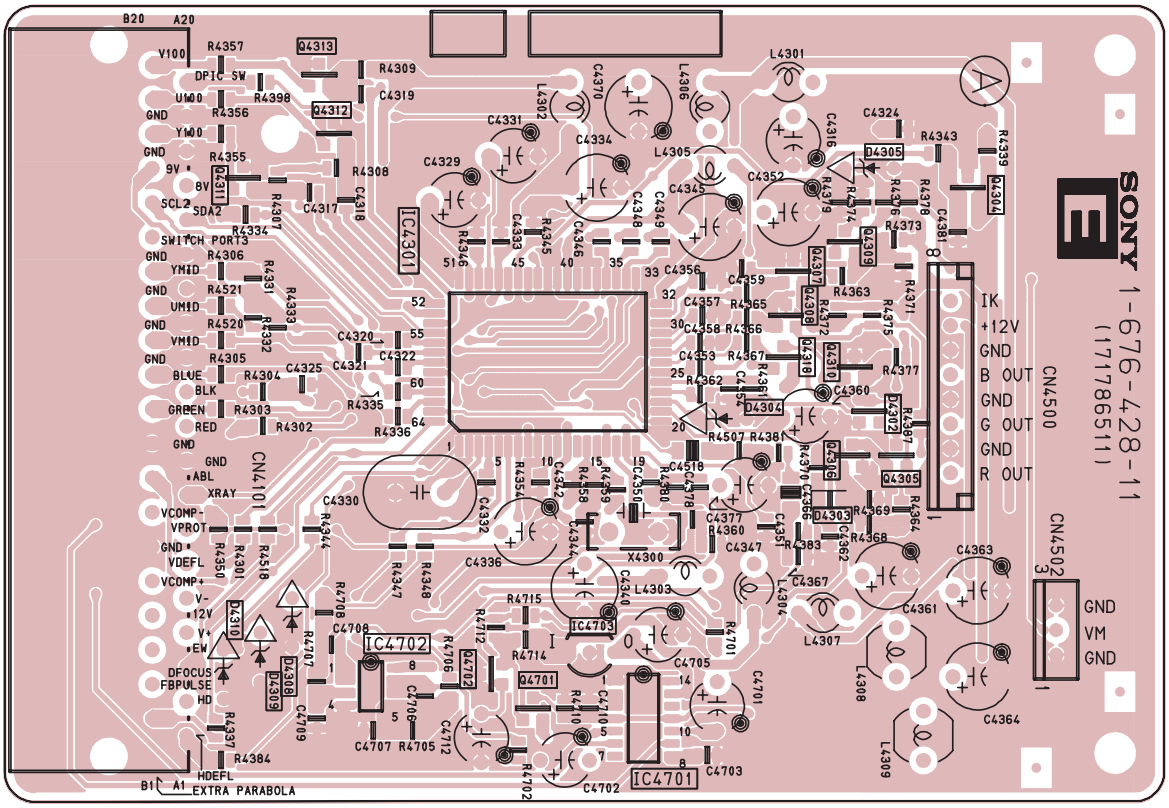
F1 [PRINTED WIRING BOARD]



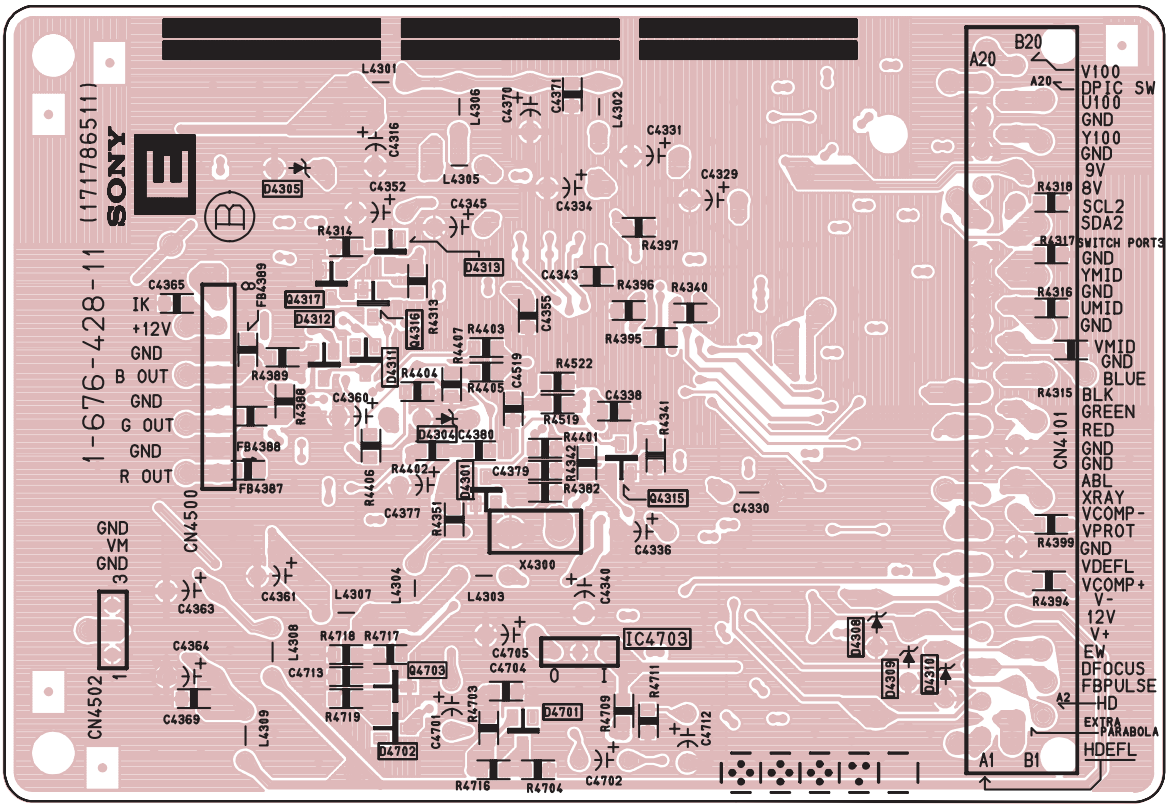


E [R, G, B OUT CHROMA]

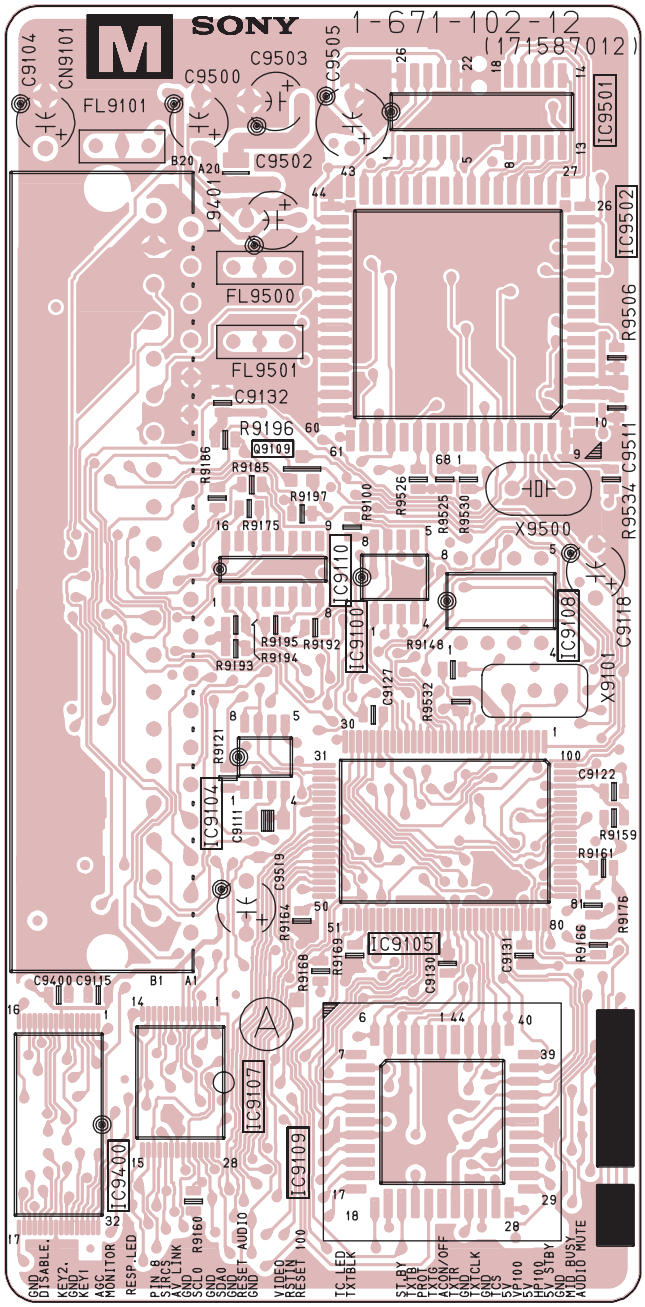
E [PRINTED WIRING BOARD (A side)]



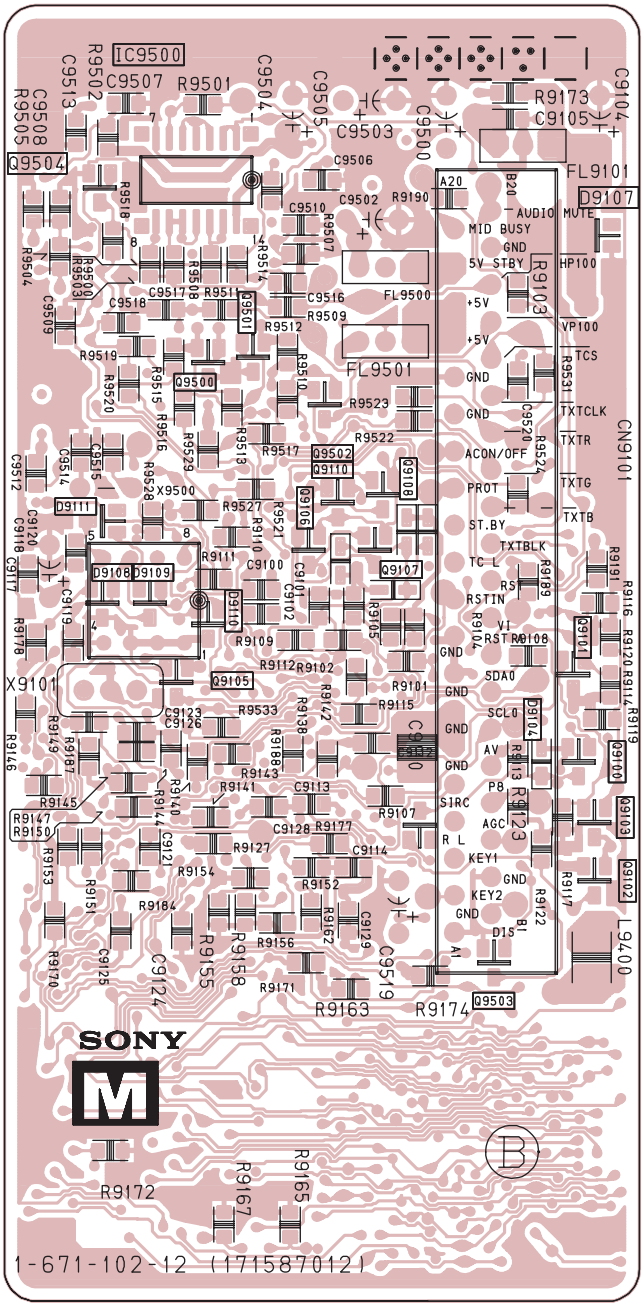
E [PRINTED WIRING BOARD (B side)]

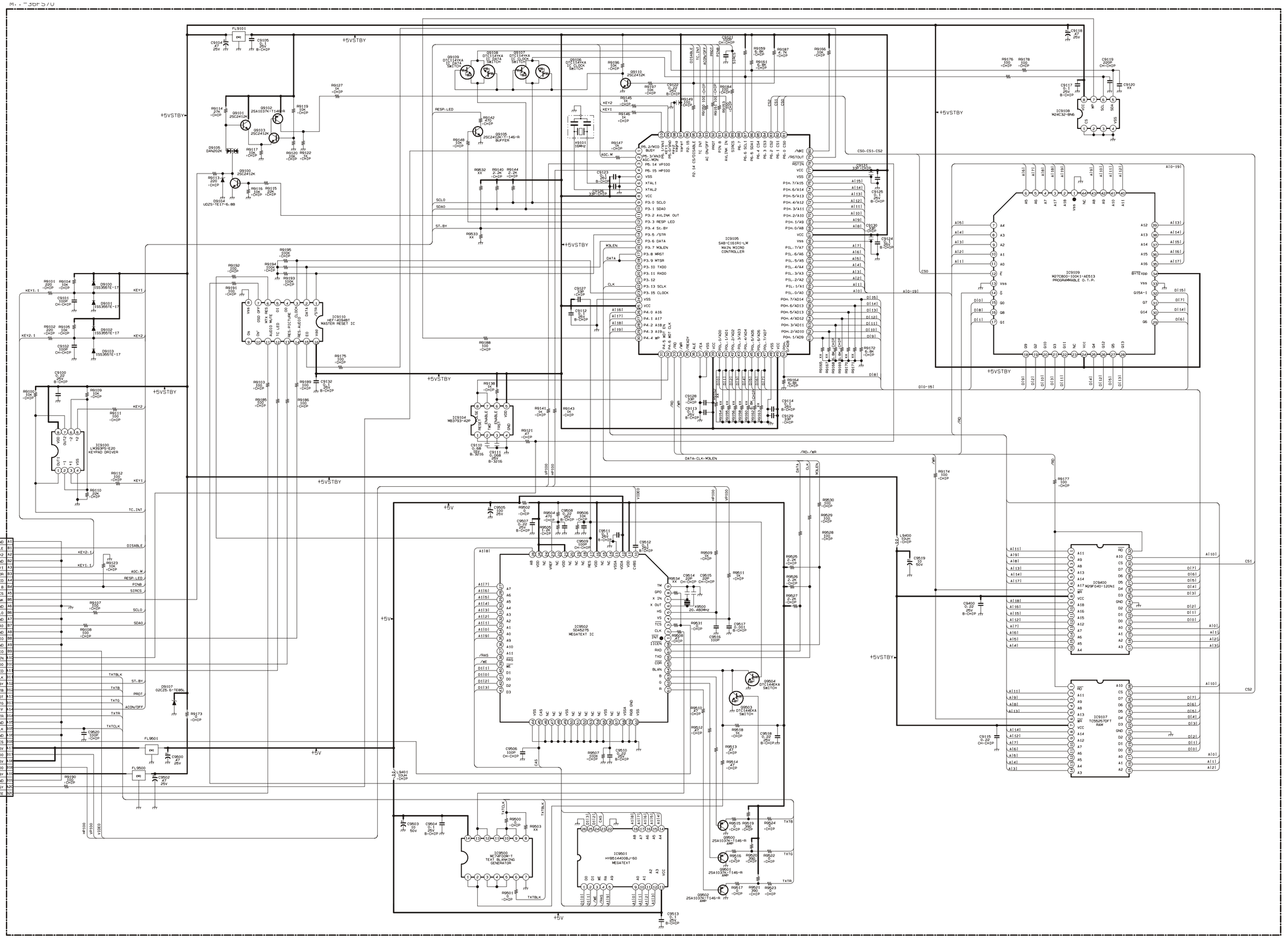


M [PRINTED WIRING BOARD (A side)]

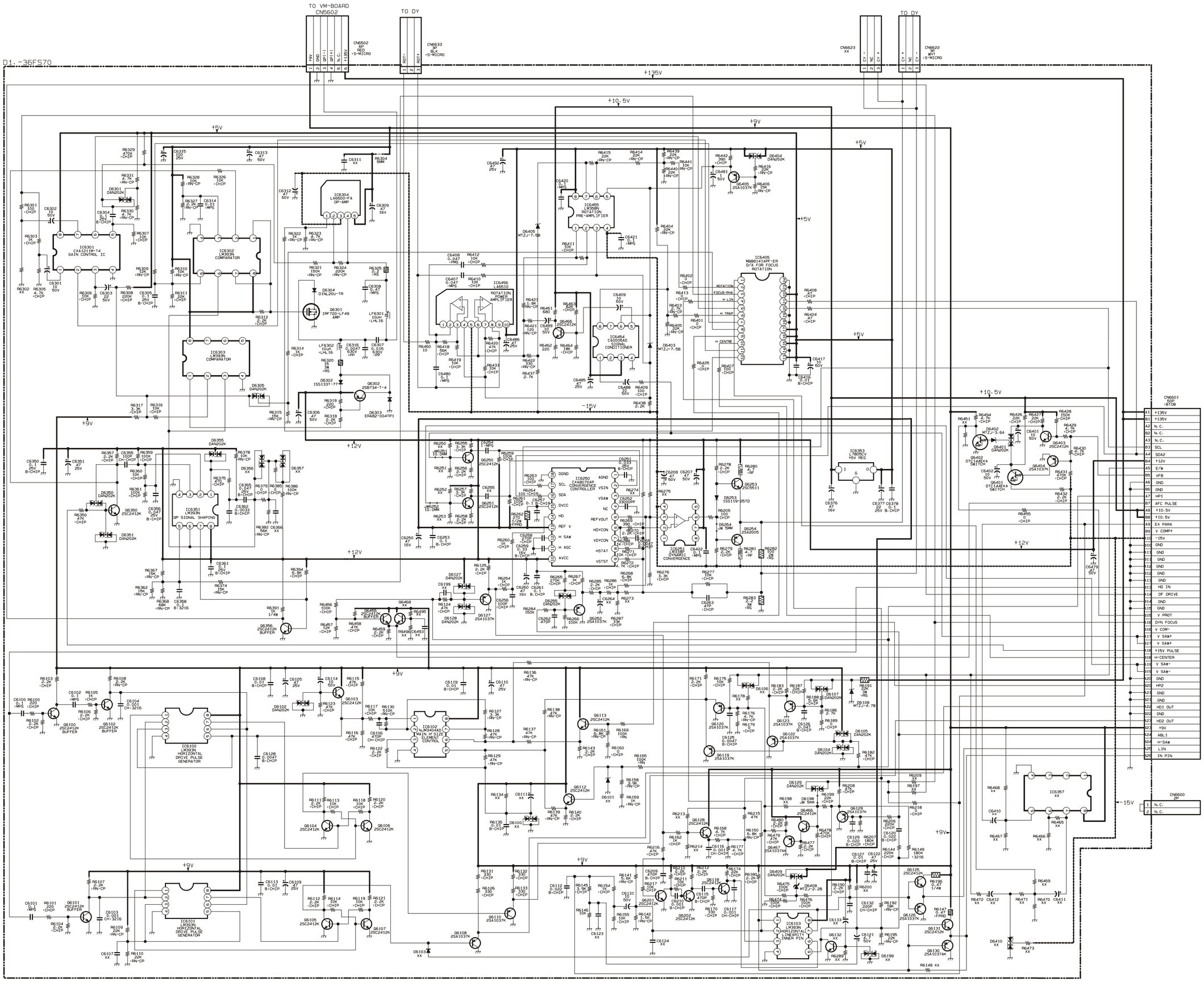


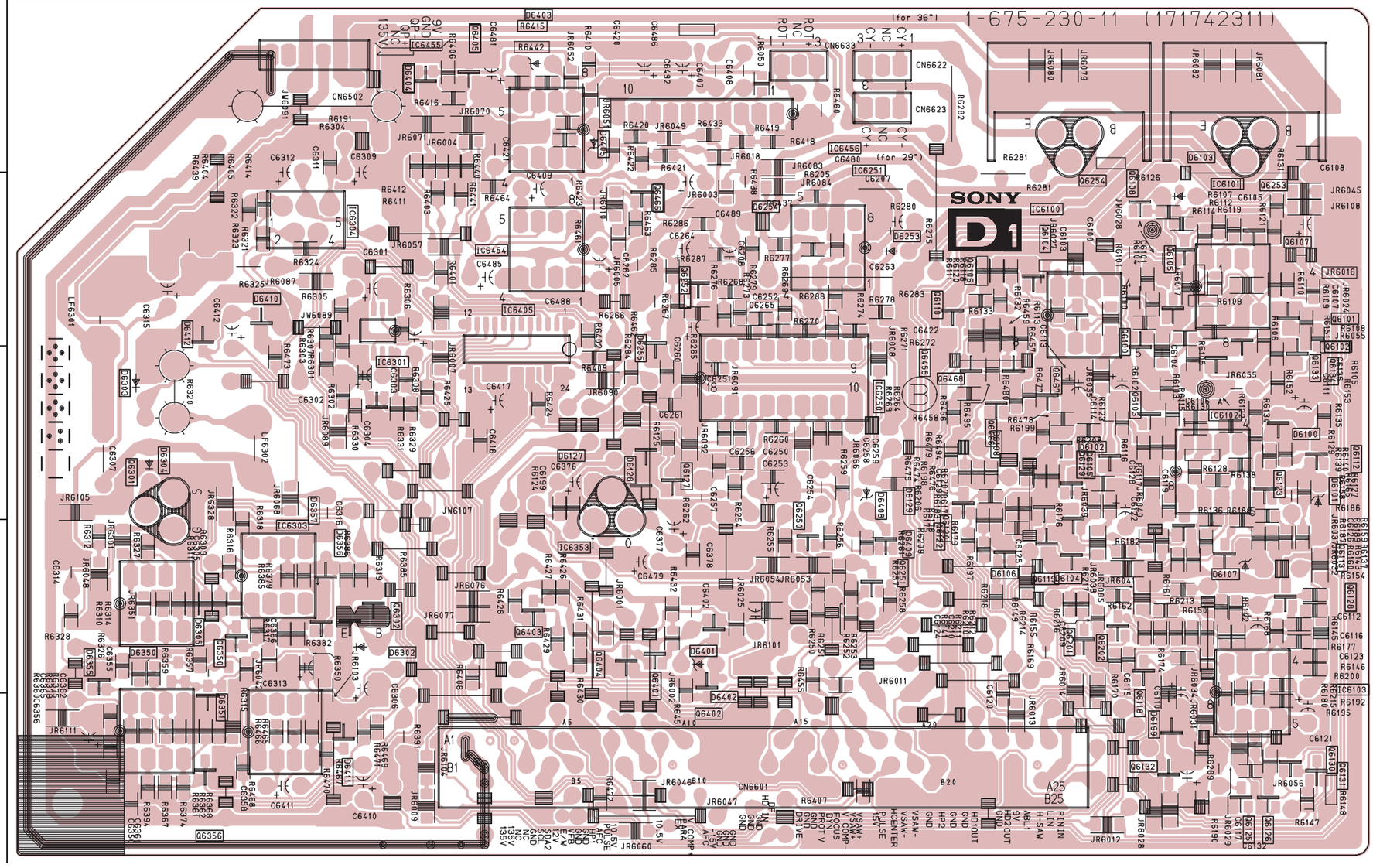
M [PRINTED WIRING BOARD (B side)]



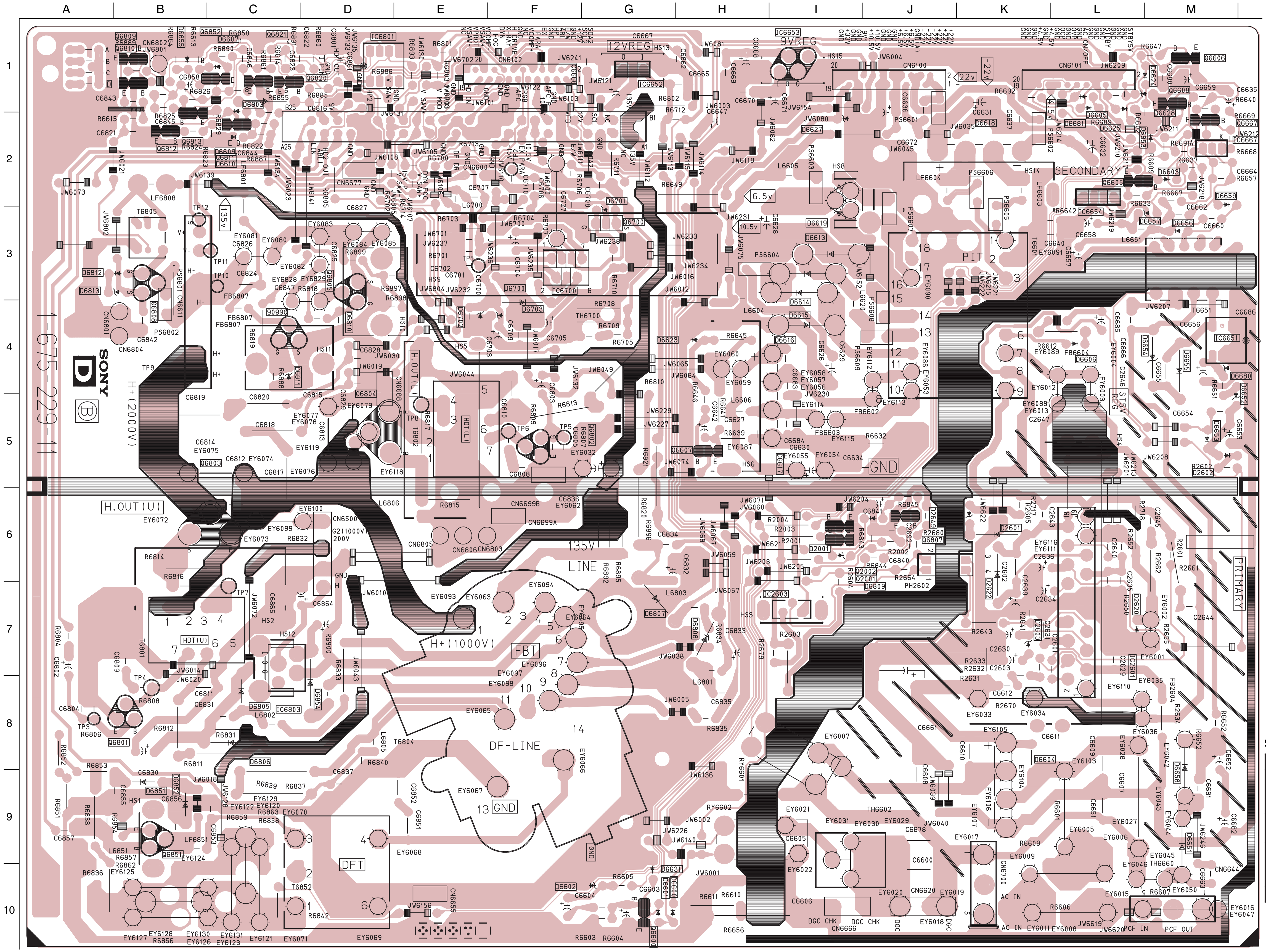

IC9105
SAB-C161R1-LM
MAIN MICRO
CONTROLLER
IC9109
M27C800-100K1-AE513
PROGRAMMABLE O.T.P.
IC9107
TC55257DFT
RAM
IC9400
W29F040-120N1
IC9502
SDA5275
MEGATEXT IC
IC9501
HYB514400BJ-60
MEGATEXT
IC9500
MC74F02M-T
TEXT BLANKING
GENERATOR
IC9110
MEP-4094BT
MASTER RESET IC
IC9100
LM2902PS-E20
KEYPAD DRIVER
IC9104
M63793-42P
IC9108
M24C32-BW6
IC9131
TDA8444N
IC9401
10uH
IC9402
10uH
FL9101
FL9501
FL9500
CN9101
40P
TO A BOARD
CN1901
+5VSTBY
+5V
VP100
VP150
VIDEO
DATA
CLK
M3LEN
KEY1
KEY2
DISABLE
AGC MONITOR
RESP-LED
PIN 8
SIRCS
AV LINK
SCLO
SDAO
RESET AUDIO
RSTIN
TC LED
TXTBLK
ST.BY
TXTB
PROT
TXTG
ACON/OFF
TXTR
TXTCLK
TCS
MID BUSY
AUDIO MUTE
TC.INT
SCL
SDA
CS0
CS1
CS2
A[0-19]
D[0-15]
D[16]
D[17]
D[18]
RD/WR
RESET
XTAL1
XTAL2
SCLO
SDAO
ST.BY
RESP.LED
AGC.M
KEY1
KEY2
ACON/OFF
PROT
PIN 8
SIRCS
AV LINK
TC.INT
M3LEN
DATA
CLK
VIDEO
HP100
VP100
VP150
+5V
+5VSTBY

M [MICRO, TEXT]

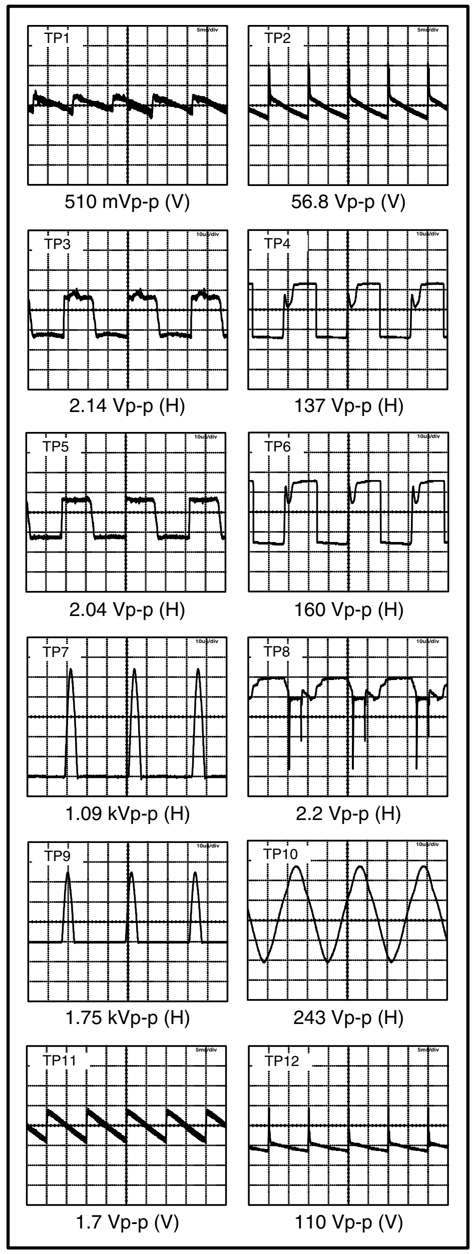

D1.-36FS70
TO VM-BOARD CN5602
TO DY
TO DY
CN5602 6P RED S-MICRO
CN6633 3P BLK S-MICRO
CN5623 XX
CN6622 3P WHT S-MICRO
+135V
+10.5V
+9V
+5V
+12V
-15V
IC6304 LA6550-FA OP-AMP
IC6455 LM358N ROTATION PRE-AMPLIFIER
IC6405 M88814APF-ER D/A FOR FOCUS ROTATION
IC6456 LA6510 ROTATION POWER AMPLIFIER
IC6454 CA00054D SIGNAL CONDITIONER
IC6301 CXA1211M-T4 GAIN CONTROL IC
IC6302 LM393N COMPARATOR
IC6303 LM393N COMPARATOR
IC6351 LM393N GP SIGNAL SHAPING
IC6250 CXA9070AP CONVERGENCE CONTROLLER
IC6281 LM1881 DYNAMIC CONVERGENCE
IC6353 L7805CV +5V REG
IC6100 LM393N HORIZONTAL DRIVE PULSE GENERATOR
IC6102 XLM340440 MAIN H.F.I.T. ELEMENT CONTROL
IC6101 LM393N HORIZONTAL DRIVE PULSE GENERATOR
IC6103 LM393N HORIZONTAL LINEARITY INNER PIN
IC6357 XX
CN6601 50P BTOB
TO D BOARD CN6600
CN6600 2P
A1 +135V
B1 +135V
A2 N.C.
B2 N.C.
A3 N.C.
B3 SCL
A4 SDA2
B4 +12V
A5 E/W
B5 VFB
A6 GND
B6 GND
A7 HP1
B7 AFC PULSE
A8 +10.5V
B8 +10.5V
A9 EX PARA
B9 V COMP+
A10 -15V
B10 GND
A11 GND
B11 GND
A12 GND
B12 GND
A13 GND
B13 HD IN
A14 DF DRIVE
B14 GND
A15 GND
B15 V PROT
A16 DYN FOCUS
B16 V COM-
A17 V SAW+
B17 V SAW+
A18 +15V PULSE
B18 H-CENTER
A19 V SAW-
B19 V SAW-
A20 GND
B20 HP2
A21 GND
B21 GND
A22 HD1 OUT
B22 GND
A23 HD2 OUT
B23 +5V
A24 ABL1
B24 H-SAW
A25 LIN
B25 IN PIN
1 N.C.
2 N.C.



IC		IC6304	B - 2	Q6101	H - 2	Q6112	H - 3	Q6127	D - 3	Q6252	D - 2	Q6403	D - 4	D6104	G - 4	D6302	C - 4	D6355	A - 4
IC6100	F - 2	IC6351	A - 5	Q6102	H - 3	Q6113	H - 4	Q6128	H - 4	Q6253	H - 2	Q6404	D - 4	D6105	G - 3	D6303	A - 3	D6401	D - 4
IC6101	H - 2	IC6353	D - 4	Q6103	G - 3	Q6118	G - 5	Q6129	F - 3	Q6254	G - 2	Q6405	C - 1	D6107	H - 4	D6304	A - 3	D6402	E - 5
IC6102	H - 3	IC6405	C - 2	Q6104	F - 2	Q6119	F - 4	Q6130	H - 5	Q6301	A - 3	Q6455	F - 3	D6108	H - 4	D6305	B - 4	D6403	D - 1
IC6103	H - 5	IC6454	C - 2	Q6105	G - 2	Q6120	F - 4	Q6131	H - 5	Q6302	C - 4	Q6465	D - 2	D6127	D - 3	D6253	F - 2	D6404	C - 1
IC6250	E - 3	IC6455	C - 1	Q6106	F - 2	Q6122	F - 4	Q6201	G - 4	Q6350	B - 4	Q6466	F - 3	D6128	D - 3	D6254	E - 2	D6405	D - 1
IC6301	C - 3	IC6456	E - 1	Q6107	H - 2	Q6123	H - 3	Q6202	G - 4	Q6356	B - 5	Q6467	G - 3	D6129	F - 3	D6255	D - 3	D6408	E - 3
IC6302	A - 4	**TRANSISTOR**		Q6108	G - 2	Q6125	H - 5	Q6250	E - 4	Q6401	D - 5	**DIODE**		D6198	F - 3	D6350	A - 4	D6409	F - 4
IC6303	B - 2	Q6100	G - 3	Q6110	F - 2	Q6126	H - 5	Q6251	F - 4	Q6402	E - 5	D6102	G - 3	D6301	C - 3	D6351	B - 5		



D board Waveforms



IC Voltage Table

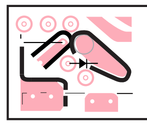
Ref No	Pin No	Voltage (V)
IC2603	1	135.7
	2	118.0
IC6700	1	1.5
	3	-12.0
	5	-0.5
	6	14.0
	7	1.5
IC6801	1	6.8
	2	1.4
	3	2.2
	5	2.6
	6	6.7
	7	0.1

Semiconductor Voltage Table

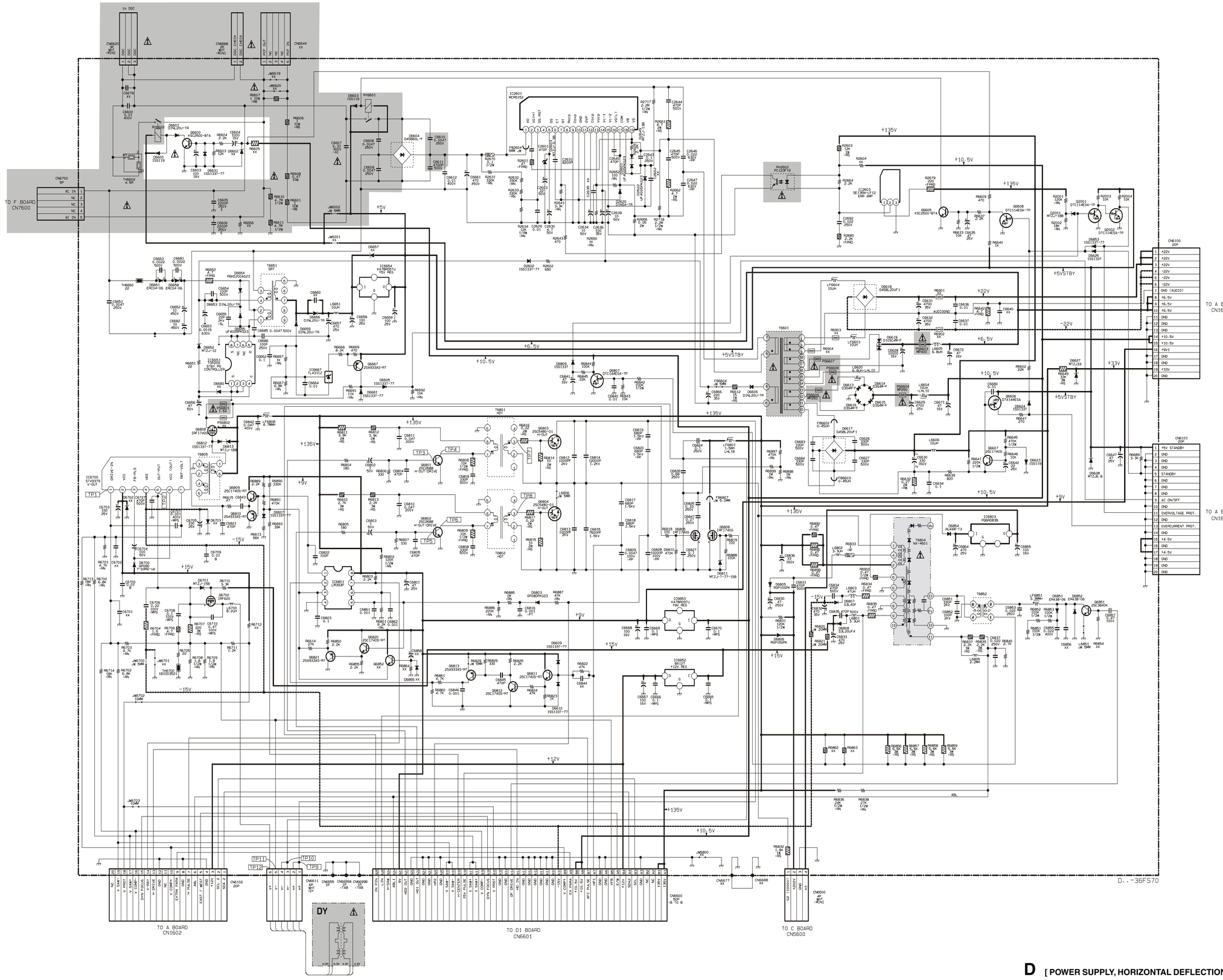
Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)
Q2001	0	0	2.8	Q6808	136.3	136.3	209.9
Q2002	0	2.8	0	Q6809	6.7	6.78	0
Q6801	0	0	63.7	Q6810	6.7	6.78	0
Q6802	0	0	79.1	Q6811	1.5	1.3	0
Q6803	136.3	136.0	0	Q6812	0	0.6	6.4
Q6804	0	0	136.3	Q6813	9.0	9.0	2.9
Q6805	0	3.6	14.4	Q6820	2.0	2.6	0
Q6806	0	1.3	136.2	Q6821	2.7	2.1	0
Q6807	0	7.8	0	Q6851	0	-1.0	104.4

D [PRINTED WIRING BOARD]

IC		IC6654	L - 2	**TRANSISTORS**		Q6607	H - 5	Q6803	B - 5	Q6810	B - 1	Q6851	B - 0	D2620	L - 7	D6603	M - 2	D6610	C - 2	D6618	K - 2	D6628	M - 1	D6655	M - 4	D6701	G - 2	D6809	J - 7	D6853	L - 2
IC2601	L - 7	IC6667	M - 2	Q2001	I - 6	Q6608	M - 1	Q6804	D - 4	Q6811	C - 2	**DIODE**		D2622	K - 6	D6604	K - 8	D6613	I - 3	D6619	I - 3	D6631	G - 10	D6656	M - 3	D6803	C - 1	D6811	C - 4	D6854	D - 8
IC2603	I - 7	IC6700	F - 3	Q2002	I - 6	Q6667	M - 2	Q6805	D - 3	Q6812	B - 2	D2001	I - 6	D2649	J - 6	D6605	L - 1	D6614	I - 3	D6623	H - 4	D6651	M - 9	D6658	M - 8	D6805	C - 8	D6812	A - 3		
IC6651	M - 4	IC6801	D - 1	Q6600	G - 10	Q6700	G - 3	Q6806	C - 4	Q6813	B - 2	D2601	K - 6	D6600	G - 10	D6606	L - 4	D6615	I - 4	D6624	M - 1	D6652	M - 5	D6659	M - 2	D6806	C - 8	D6813	A - 3		
IC6652	G - 1	IC6803	C - 8	Q6605	L - 2	Q6801	B - 8	Q6807	J - 6	Q6820	D - 1	D2602	M - 5	D6601	G - 10	D6607	C - 1	D6616	I - 4	D6625	L - 2	D6653	M - 5	D6681	L - 2	D6807	G - 7	D6851	B - 9		
IC6653	I - 1			Q6606	M - 1	Q6802	G - 5	Q6809	B - 1	Q6821	C - 1	D2603	K - 7	D6602	F - 10	D6609	C - 2	D6617	I - 5	D6627	I - 2	D6654	M - 4	D6700	F - 3	D6808	H - 7	D6852	B - 9		



NOTE:
Portions of the circuit marked as shown are high voltage areas. Use care to prevent electric shock during inspection or repair.



D [POWER SUPPLY, HORIZONTAL DEFLECTION, VERTICAL DEFLECTION]

A...-36FS70

TO D BOARD CN5100

TO D BOARD CN5101

TO D BOARD CN5102

TUNER

TUNER

AUDIO PROTECTION

Picture Booster

Picture Booster

TO B3 BOARD(1/6) CN502

TO BK BOARD CN301

TO E BOARD CN4101

TO J BOARD CN8101

TO U BOARD CN7101

TO M BOARD CN9101

TO TOP CONTROL

TO F BOARD CN7100

TO H1 BOARD CN7103

SERVICE

AUDIO

A [SIGNAL & AUDIO AMPLIFIER]

IC Voltage Table

IC Voltage Table		
	Pin No	Voltage (V)
IC1126	1	0
	2	-11
	3	10
	6	-19
	9	0
	10	4.1
	12	-11
IC1151	1	0
	2	-11
	3	10
	6	-18
	9	0
	10	4.1
	12	-11
IC1400	1	0
	3	4.6
	5	4.6
	6	4.0
	9	0
	10	0
	14	4.5
	15	4.5

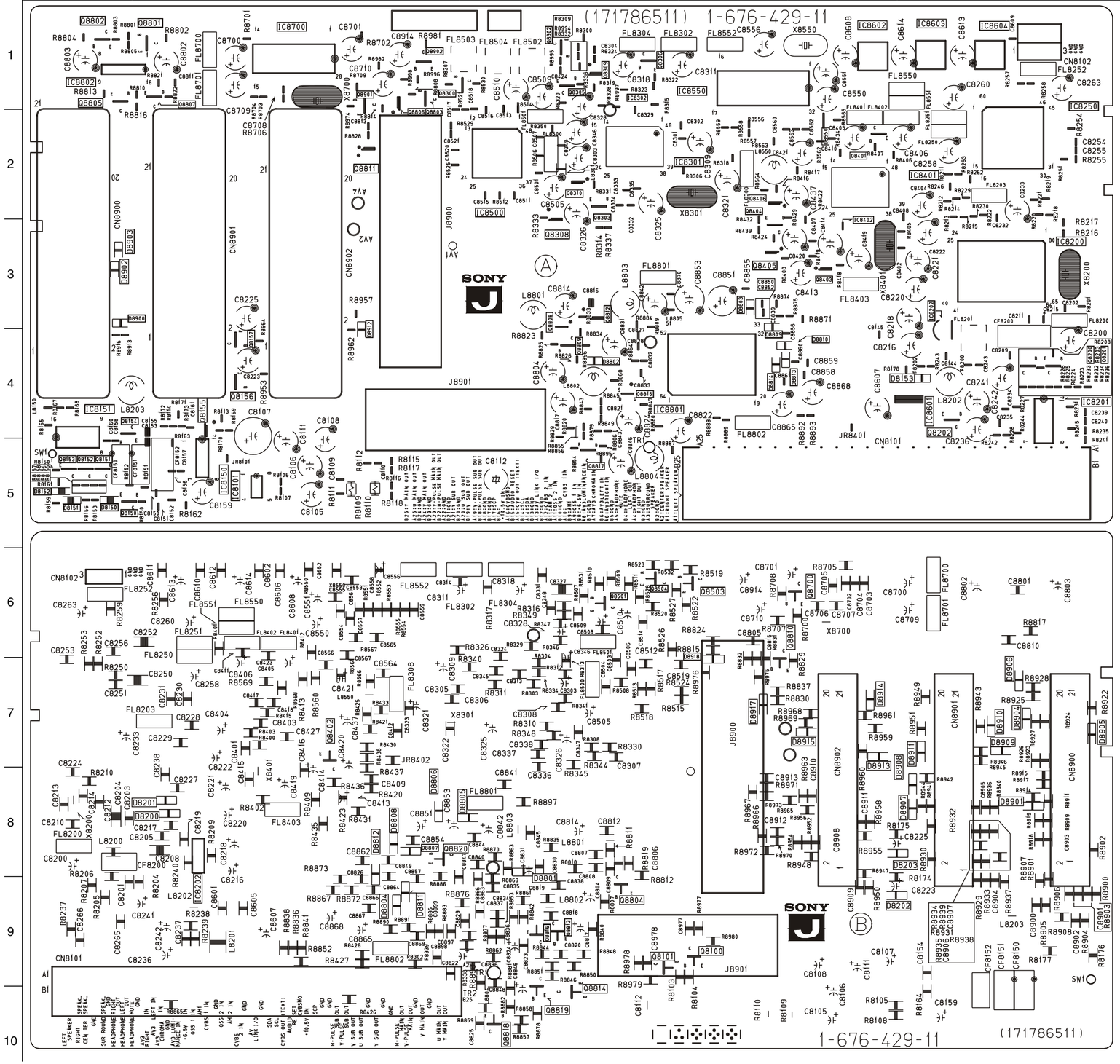
Semiconductor Voltage Table

Ref	(e)	(b)	(c)
Q1100	11.6	11.8	0
Q1101	0	0	4.2
Q1201	0	0	4.1
Q1204	0	0.6	0
Q1226	0	0	4.9
Q1227	0	0	4.9
Q1229	0	4.9	0
Q1300	0	4.6	0
Q1326	1.2	1.8	4.3
Q1327	0	4.3	1.8
Q1328	2.6	3.2	8.4
Q1329	9.0	8.4	4.6
Q1350	1.1	1.7	4.3
Q1351	0	4.3	1.6
Q1400	0	0	4.0
Q1601	0	0	5.0
Q1601	4.4	4.5	0
Q1626	0	0	5.0

Semiconductor Location Table

IC		Q1201	F - 12	Q1400	D - 12	D1404	E - 12
IC1126	F - 7	Q1202	F - 12	Q1601	B - 10	D1405	L - 11
IC1151	H - 7	Q1204	J - 14	Q1626	F - 9	D1406	L - 11
IC1176	C - 7	Q1226	J - 14	DIODE		D1407	L - 11
IC1400	E - 10	Q1227	J - 14	D1100	B - 9	D1408	L - 11
IC1601	L - 4	Q1229	I - 14	D1101	B - 9	D1601	C - 9
IC1604	L - 5	Q1300	G - 13	D1102	B - 9	D1602	C - 9
IC1605	K - 7	Q1326	L - 12	D1103	D - 9	D1626	E - 9
IC1630	H - 2	Q1327	L - 12	D1104	E - 13	D1627	F - 10
IC1631	L - 2	Q1328	K - 13	D1201	J - 13	D1629	B - 12
TRANSISTORS		Q1329	J - 13	D1401	E - 12	D1630	F - 9
Q1100	B - 9	Q1350	K - 12	D1402	E - 12	D1631	B - 10
Q1101	C - 8	Q1351	K - 11	D1403	E - 11		

A [PRINTED WIRING BOARD]



Semiconductor Location Table

IC		Q8150	A - 5	Q8405	G - 3	D8810	G - 4
IC8101	B - 5	Q8151	A - 5	Q8406	G - 2	D8811	D - 9
IC8150	B - 5	Q8152	A - 5	Q8501	F - 6	D8812	D - 8
IC8151	A - 4	Q8153	A - 5	Q8901	D - 1	D8813	G - 4
IC8200	J - 3	Q8154	A - 4	**DIODE**		D8814	G - 4
IC8201	J - 4	Q8156	B - 4	D8150	A - 5	D8900	A - 3
IC8202	I - 3	Q8157	C - 4	D8151	A - 5	D8901	J - 8
IC8301	F - 2	Q8200	J - 3	D8152	A - 5	D8902	A - 3
IC8302	F - 1	Q8201	J - 4	D8153	I - 4	D8903	A - 3
IC8401	I - 2	Q8202	I - 4	D8200	B - 8	D8904	J - 7
IC8402	H - 2	Q8300	D - 1	D8201	B - 8	D8905	J - 7
IC8500	E - 2	Q8302	E - 1	D8202	H - 9	D8906	I - 7
IC8550	G - 1	Q8303	F - 2	D8203	H - 8	D8907	I - 8
IC8601	I - 4	Q8305	E - 1	D8801	E - 8	D8908	I - 8
IC8602	H - 1	Q8306	F - 1	D8802	F - 4	D8909	I - 7
IC8603	I - 1	Q8308	E - 3	D8803	G - 3	D8910	I - 7
IC8604	I - 1	Q8309	F - 1	D8804	D - 9	D8911	I - 7
IC8700	C - 1	Q8310	E - 2	D8805	D - 8	D8912	D - 3
IC8801	F - 4	Q8401	H - 2	D8806	D - 8	D8913	H - 7
TRANSISTOR		Q8402	C - 7	D8807	D - 8	D8914	H - 7
Q8100	G - 9	Q8403	H - 3	D8808	D - 8	D8915	H - 7
Q8101	F - 9	Q8404	G - 2	D8809	G - 3		

IC Voltage Table

IC Voltage Table					
	Pin No	Voltage (V)		Pin No	Voltage (V)
IC8101	1	4.0	IC8500	9	1.0
	3	4.0		11	2.8
	5	0.5		12-13	1.8
	8	0.5		14	1.0
IC8150	1	3.0		22-23	5.0
	2	2.5		26	4.9
	3	1.7		30	5.0
	6	4.2		37	2.4
	12	2.4		40-42	1.9
	13	4.6		44	1.9
	14	2.4	IC8700	5	0.5
IC8151	2	5.0		6	1.6
	3	4.6		9	2.6
	4	4.6		11	1.5
	5	0.4		13	3.8
	6	4.6		15-16	4.5
	7	0.4		18	5.0
	12	4.8		25	2.7
	13	4.8		26	2.6
	14	4.5	IC8801	1	1.9
	15	4.5		2	4.6
IC8200	2-3	4.7		3-4	4.5
	4-5	2.5		5	5.0
	6	2.4		6-7	4.5
	21	5.0		8	5.0
	36	3.7		9	4.6
	37	3.7		10	3.5
	38	7.0		11	3.9
	40	7.0		13-15	4.5
	45	3.6		22-30	4.5
	56-57	3.7		32-41	4.5
	58	2.6		43	4.6
	60	3.7		45	3.9
	68-69	1.5		46	3.5
	71	2.3		47	4.5
	72	2.1		49	4.5
IC8201	1-3	5.0		51-80	4.5
	5-10	5.0			
	12-14	5.0			
IC8250	15-16	2.5			
	19	2.4			
	24-30	2.5			
	35	5.0			
	37	1.1			
	39	2.4			
IC8301	1	2.4			
	2	1.9			
	3	1.5			
	4	0.1			
	5	2.4			
	7	2.6			
	9	0.3			
	10	0.8			
	11	2.5			
	13-14	4.5			
	20	2.4			
	21	1.8			
	22-23	1.9			
	24	0.1			
	25-27	2.5			
	29	2.8			
	37	1.1			
	38	4.0			
IC8500	1-2	1.5			
	3	0.5			
	6	2.6			
	7	1.0			

Semiconductor Voltage Table

Ref	(e)(s)	(b)(g)	(c)(d)	Ref	(e)(s)	(b)(g)	(c)(d)
Q8150	2.9	3.6	0	Q8401	0.1	0.1	0
Q8151	0	0.4	4.8	Q8403	Pin 1-2		8.5
Q8152	0	4.6	0		Pin 4		2.6
Q8153	0	0.4	4.8		Pin 5		2.2
Q8154	0	4.6	0		Pin 6		1.6
Q8156	3.9	4.5	0	Q8404	1.3	1.9	7.2
Q8157	3.9	4.5	0	Q8405	Pin 1-2		8.5
Q8200	1.9	2.5	0		Pin 4		2.5
Q8201	1.2	1.9	0	Q8406	Pin 5		2.2
Q8202	5.0	5.7	0		Pin 6		1.6
Q8300	1.6	1.0	0	Q8812	Pin 1-2		8.4
Q8302	1.0	1.6	0		Pin 4		2.2
Q8303	1.3	1.9	7.6		Pin 5		2.0
Q8305	1.3	1.9	7.3		Pin 6		1.4
Q8306	0.1	0.1	0	Q8815	1.5	0.1	0.2
Q8308	Pin 1-2		8.4	Q8817	3.9	4.6	0
	Pin 4		2.5	Q8901	1.9	2.5	0
	Pin 5		2.1	Q8902	2.1	1.5	0
	Pin 6		1.5				

J-36FS70

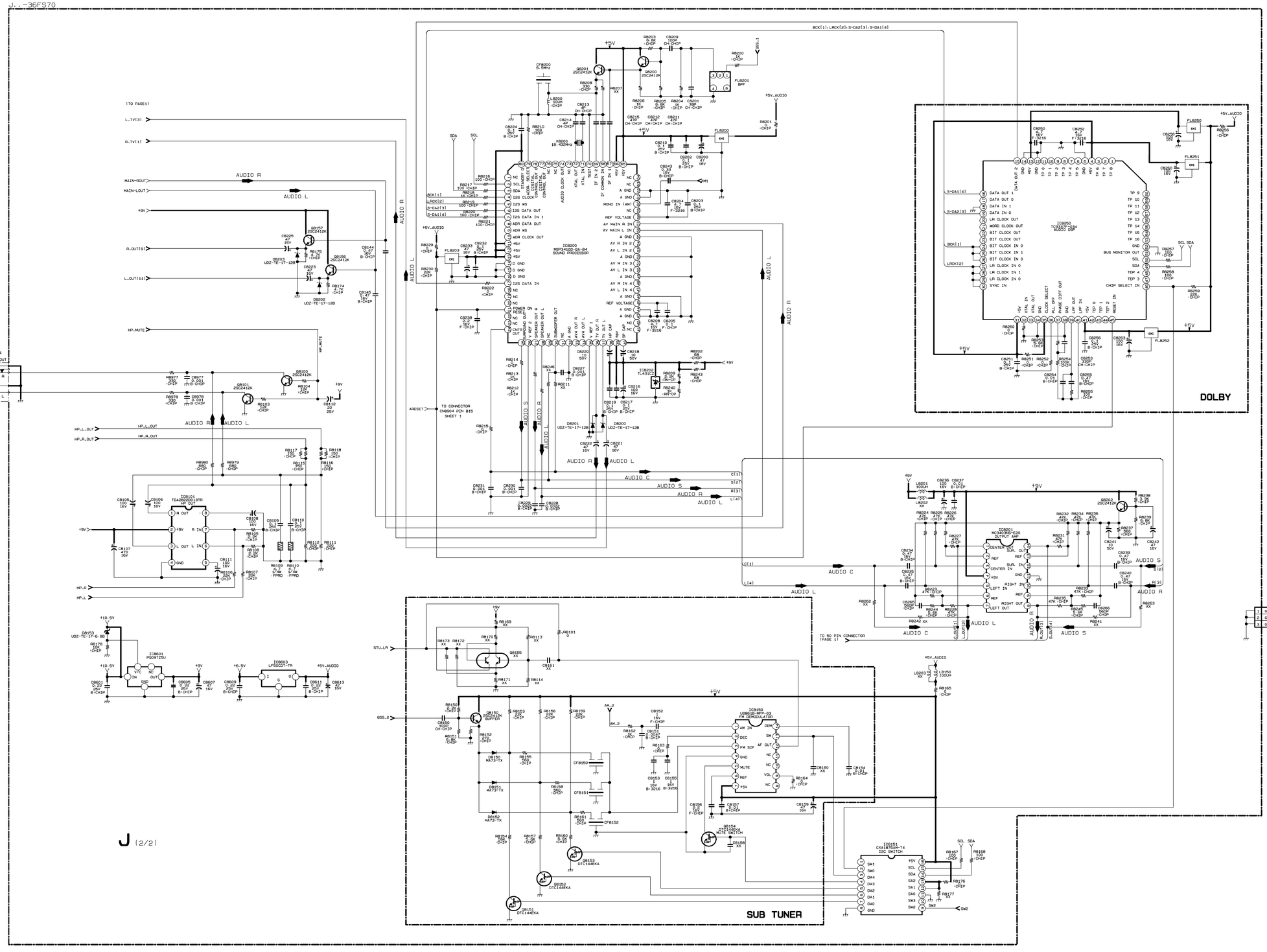
Digital Comb Filter

AUTO WIDE

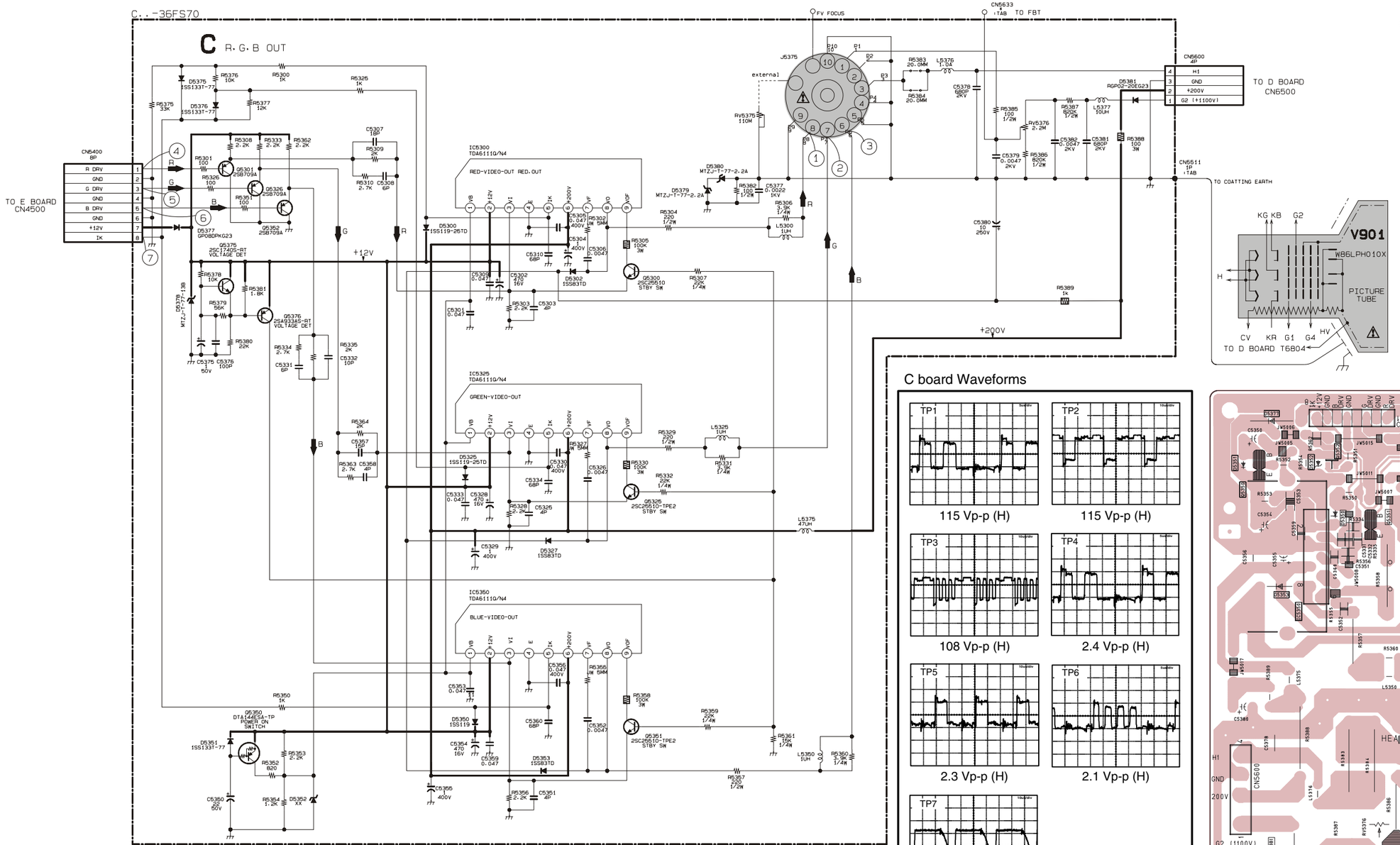
SUB & B

PIP

J (1/2) [INTERFACE, AUDIO, CHROMA, COMB FILTER]



J (2/2) [INTERFACE, AUDIO, CHROMA, COMB FILTER]



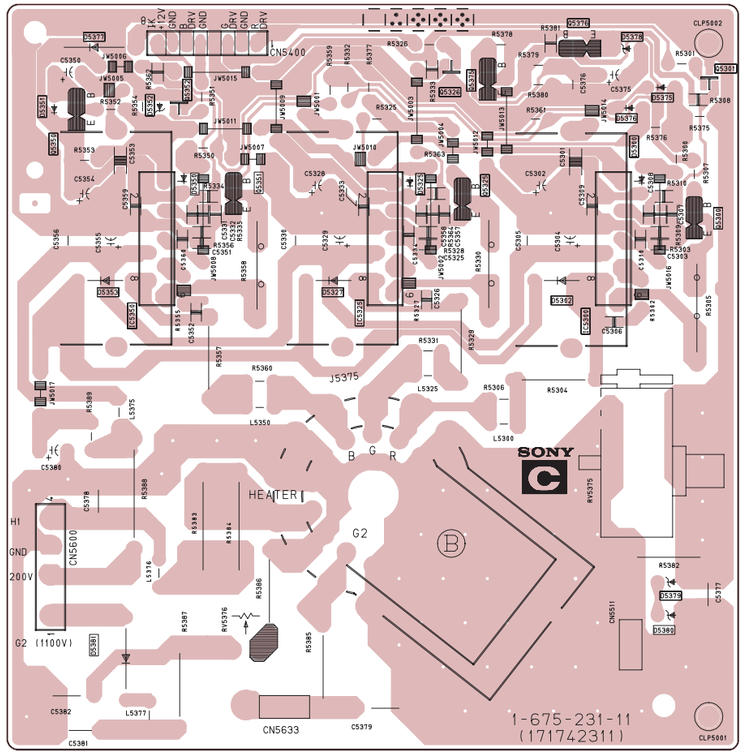
Semiconductor Voltages

Ref	(e)	(b)	(c)
Q5300	3.8	4.5	3.9
Q5301	3.7	3.1	0
Q5325	3.8	4.5	3.9
Q5326	4.0	3.3	0
Q5350	11.2	11.1	4.0
Q5351	3.8	4.5	3.9
Q5352	3.9	3.2	0
Q5375	10.6	11.1	11.2
Q5376	11.2	10.6	11.1

IC Voltages

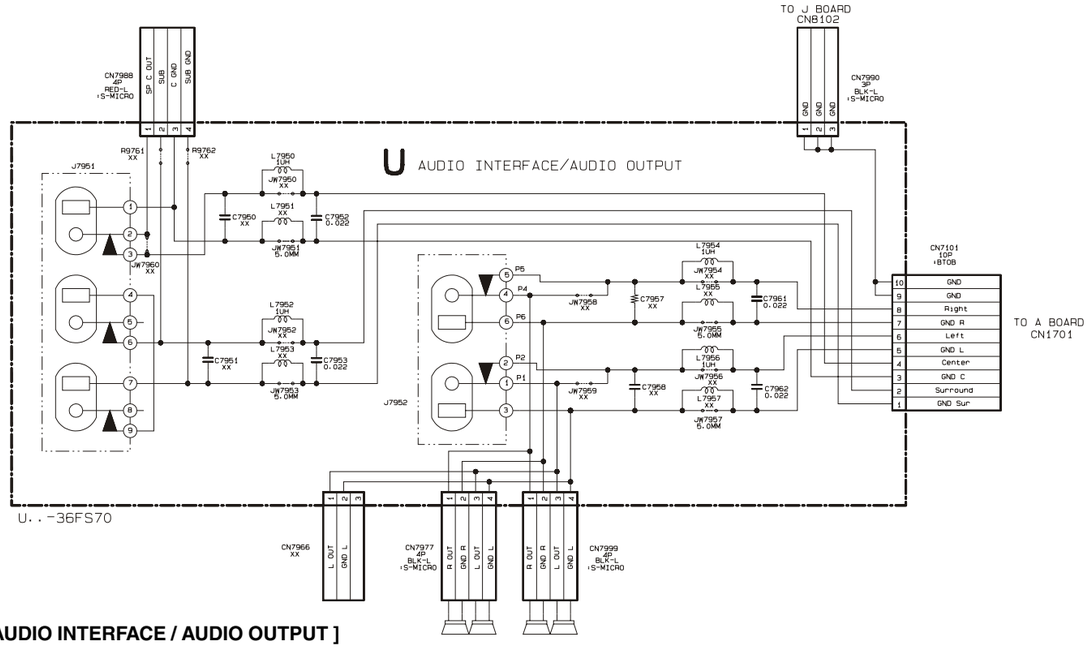
IC Voltage Table		
Ref No	Pin No	Voltage (V)
IC5300	1	4.0
	3	3.8
	5	8.2
	7	155.0
	8	158.0
	9	154.0
IC5325	1	4.0
	3	3.9
	5	8.5
	7	145.0
	8	157.0
	9	144.0
IC5350	1	4.0
	3	3.9
	5	8.2
	7	150.0
	8	158.0
	9	149.0

C board Waveforms

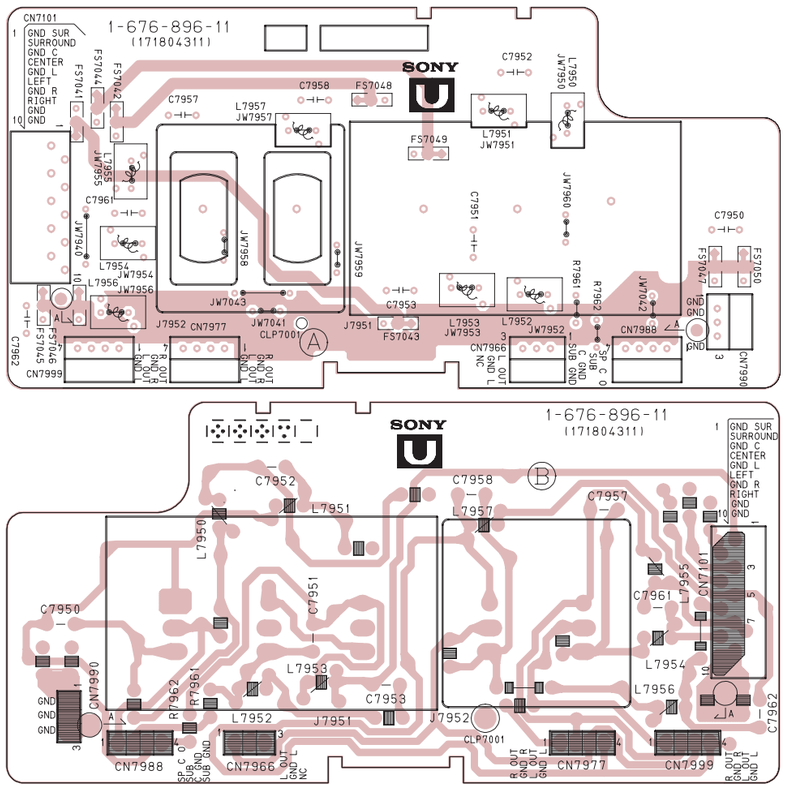


C [R, G, B OUT]

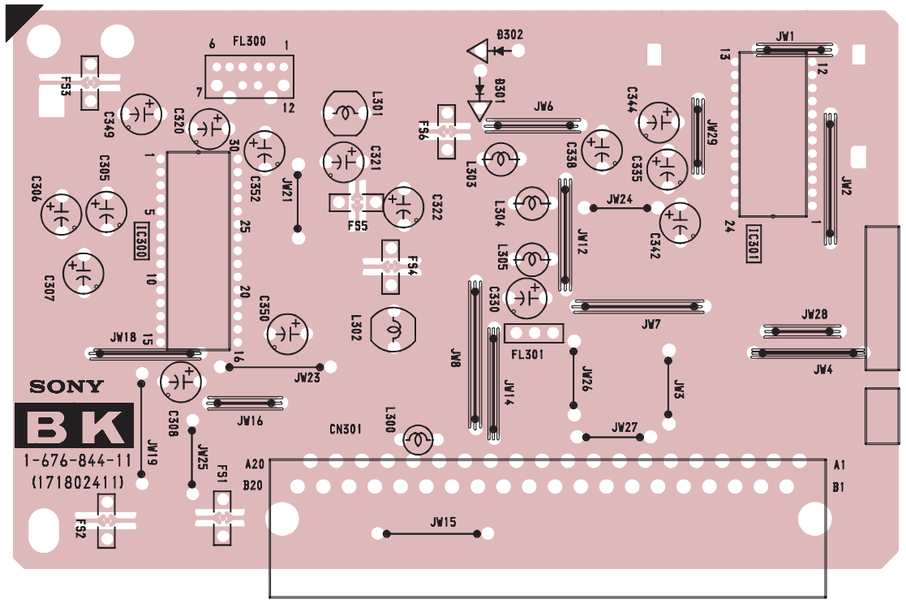
C [PRINTED WIRING BOARD]



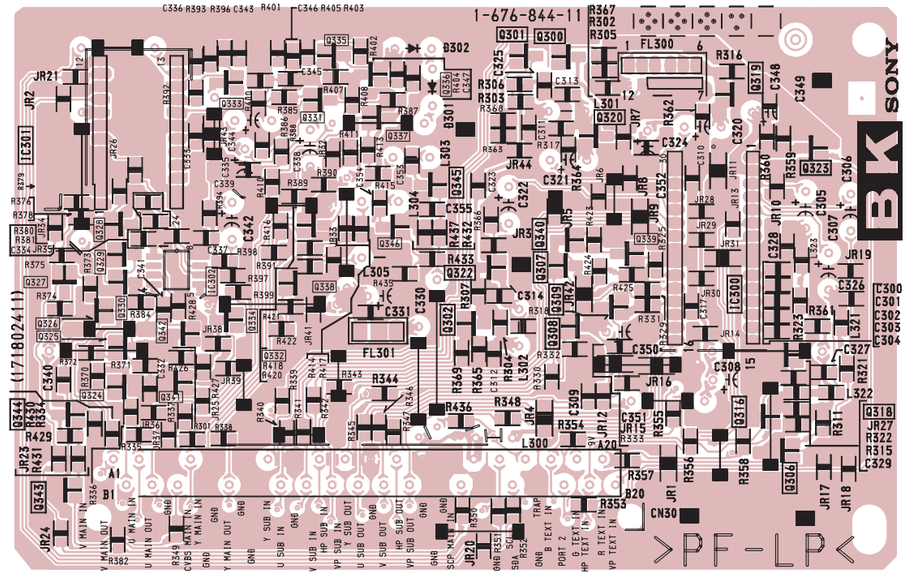
U [AUDIO INTERFACE / AUDIO OUTPUT]



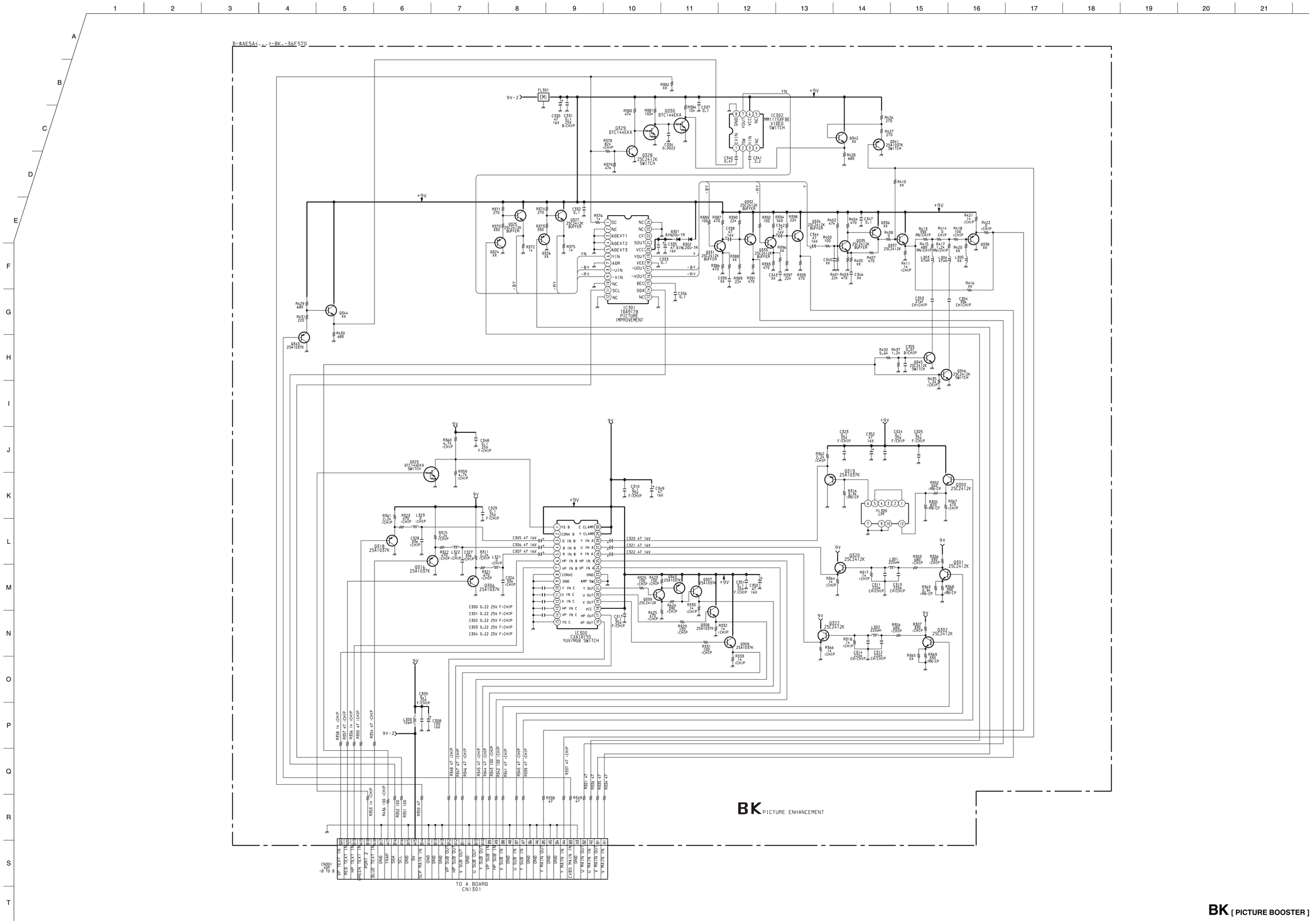
U [PRINTED WIRING BOARD]

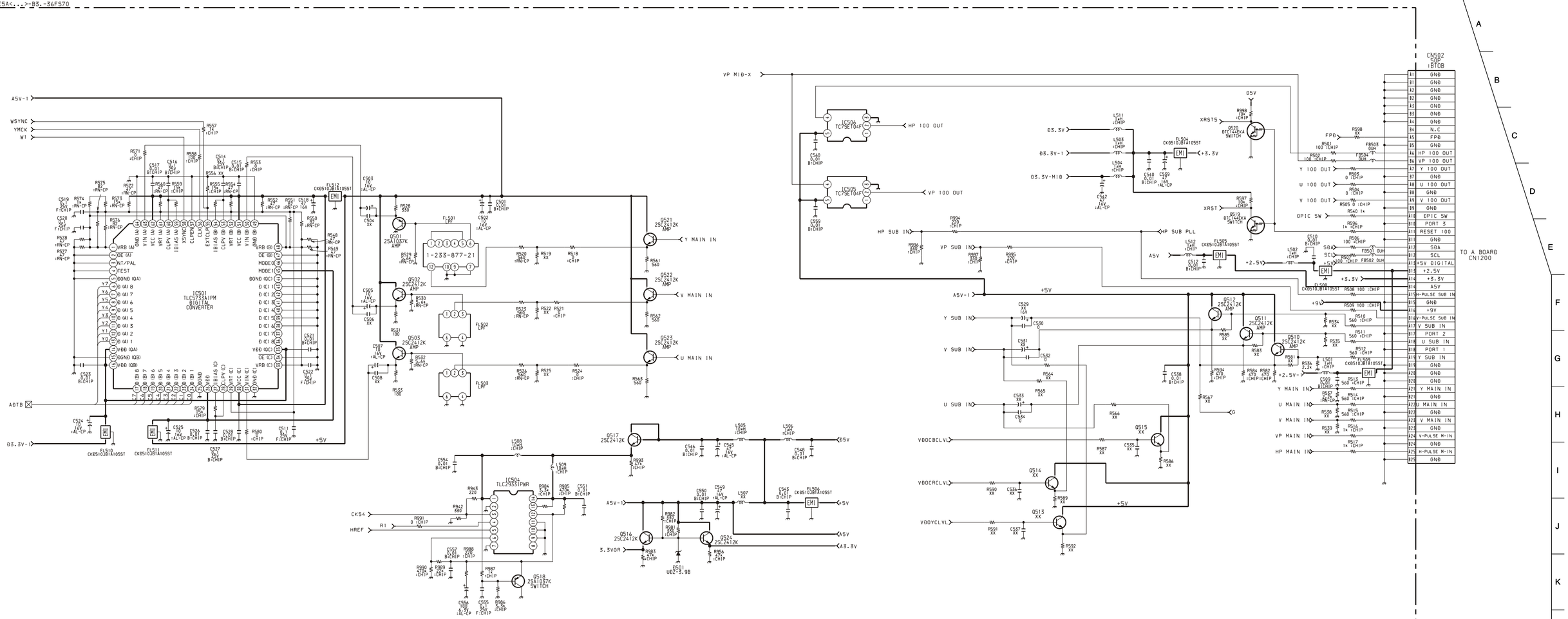


BK [PRINTED WIRING BOARD [A] SIDE]

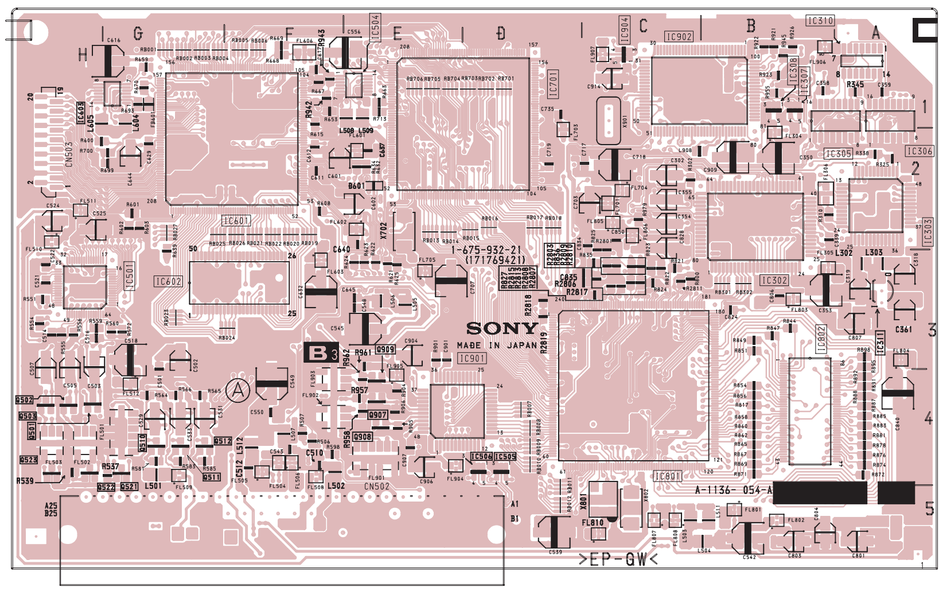


BK [PRINTED WIRING BOARD [B] SIDE]

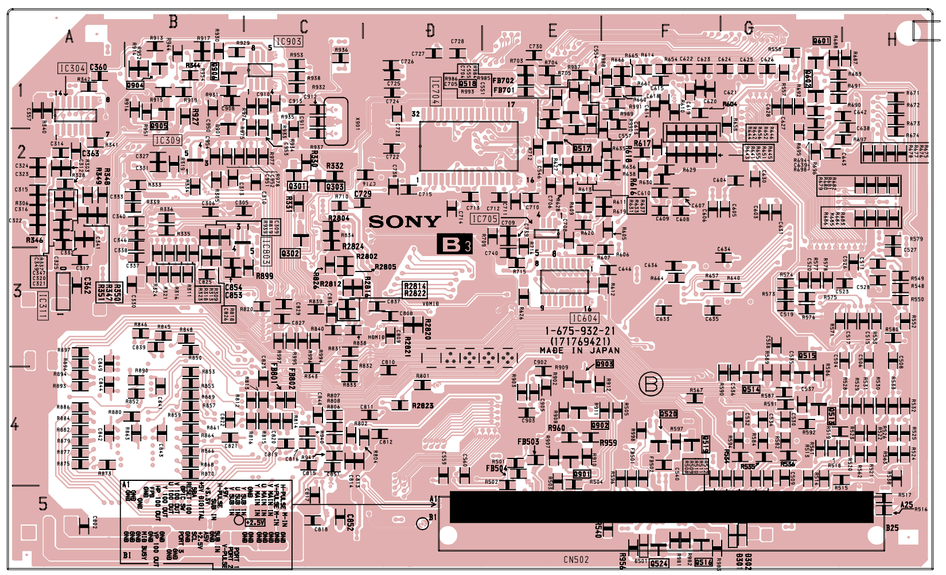

B-#AE5A<..>-BK.-36E570
IC301 TDA9178 PICTURE IMPROVEMENT
IC302 MM1115XFBE VIDEO SWITCH
IC300 CXA1815S YUV/RGB SWITCH
BK PICTURE ENHANCEMENT
TO A BOARD CN1301
BK [PICTURE BOOSTER]



B3[100Hz PROCESSING (Page 1/6)]



B3[PRINTED WIRING BOARD (A) SIDE]



B3[PRINTED WIRING BOARD (B) SIDE]

B-#AE5A<...>-B3.-36FS70

CN503 XX

IVDD 1
IHDD 2
W13ID 3
GND 4
DIYD7 5
DIYD6 6
DIYD5 7
DIYD4 8
DIYD3 9
DIYD2 10
DIYD1 11
DIYD0 12
DICD7 13
DICD6 14
DICD5 15
DICD4 16
DICD3 17
DICD2 18
DICD1 19
DICD0 20

+2.5V-1
D3.3V-1
FL601 CKD510JBTA105ST
FL602 CKD510JBTA105ST
FL603 CKD510JBTA105ST
EMI

IC601 CX020900Q BRC

IC602 MB81F161622B FIELD MEMORY

IC604 CXA1875AM I2C EXPANDER

PLL ENABLE IN

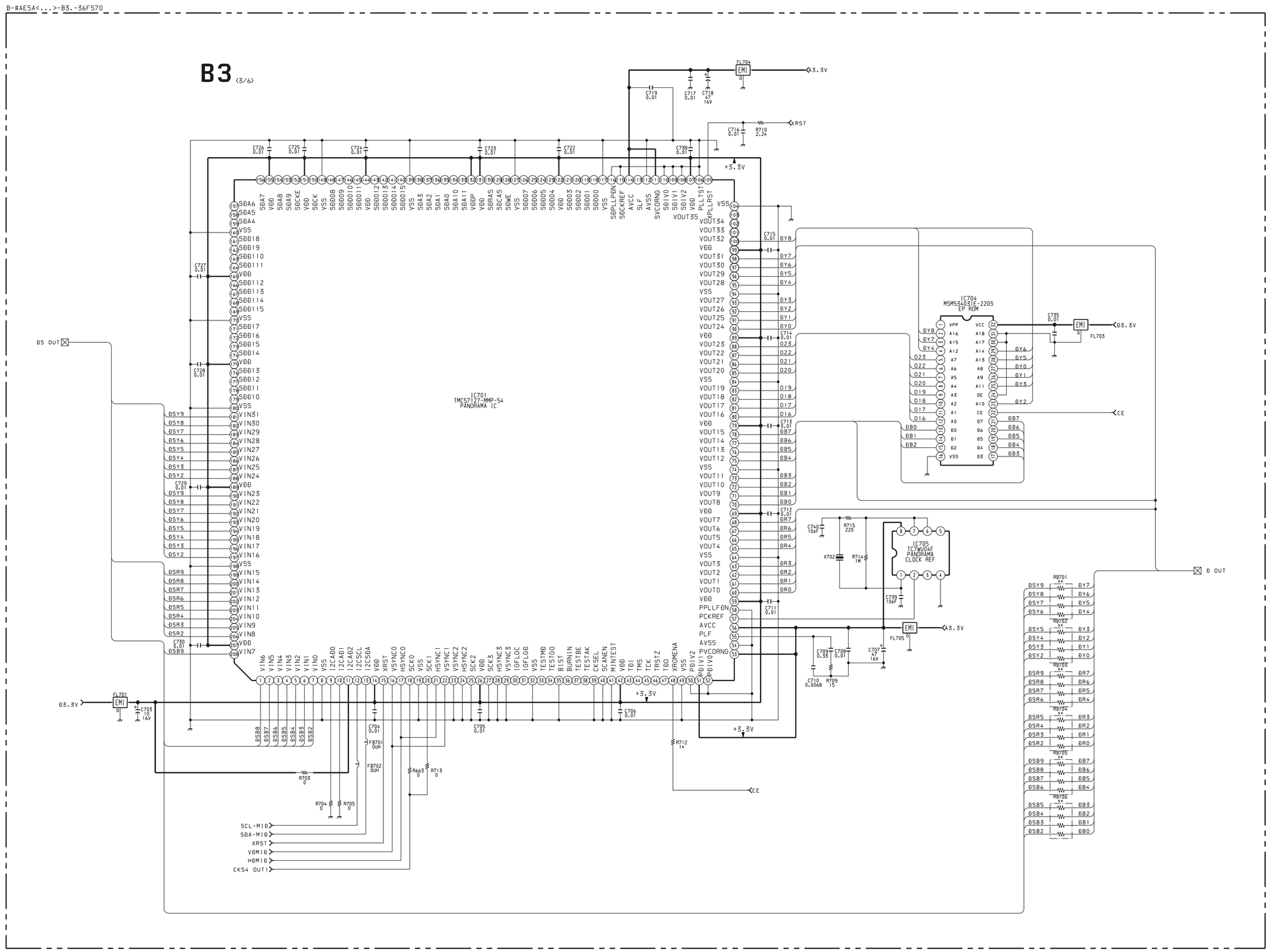
ADTB
YMCK
W1
D5V
VP MAIN IN
HP MAIN IN
Q601 2SC2412K
Q602 2SC2412K
FB601 0UH
IC603 TLC29521PW PLL
3.3VGR
+3.3V
+2.5V
WSYNC

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VDMID
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R1
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FPD
D5 OUT
DRCDCLK
CK54 OUT1
C540

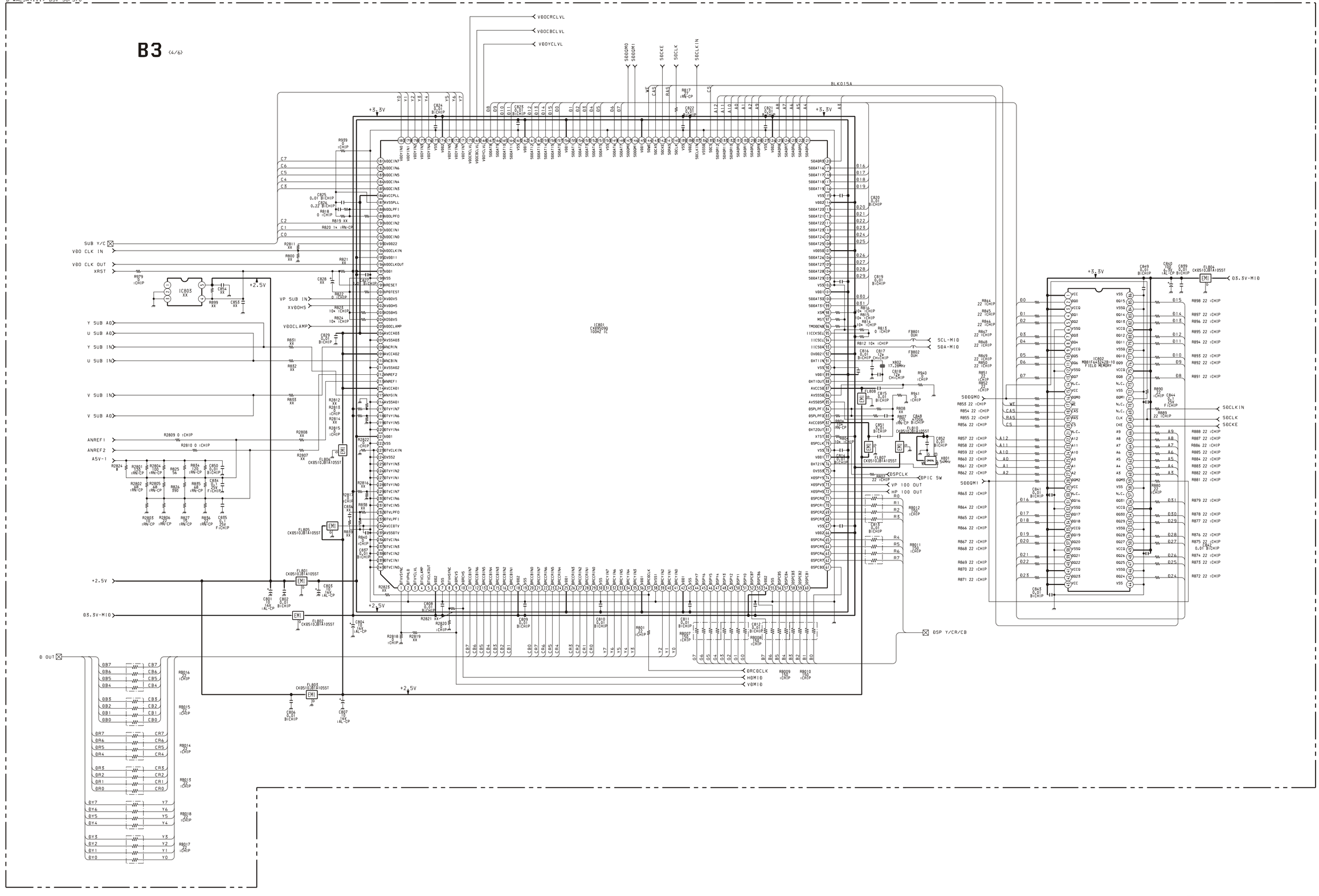
B3 (2/6)

B3[100Hz Processing (Page 2/6)]

B3 (3/6)


IC701
TMC57127-WWP-54
PANORAMA IC
IC704
M5M534051E-22GS
EP ROM
IC705
TC7WU04F
PANORAMA
CLOCK REF
FL704
FL705
FL701
+3.3V
D3.3V
A3.3V
XRST
CE
D5 OUT
D OUT
SCL-MID
SDA-MID
XRST
VDMID
HDMID
CK54 OUT1

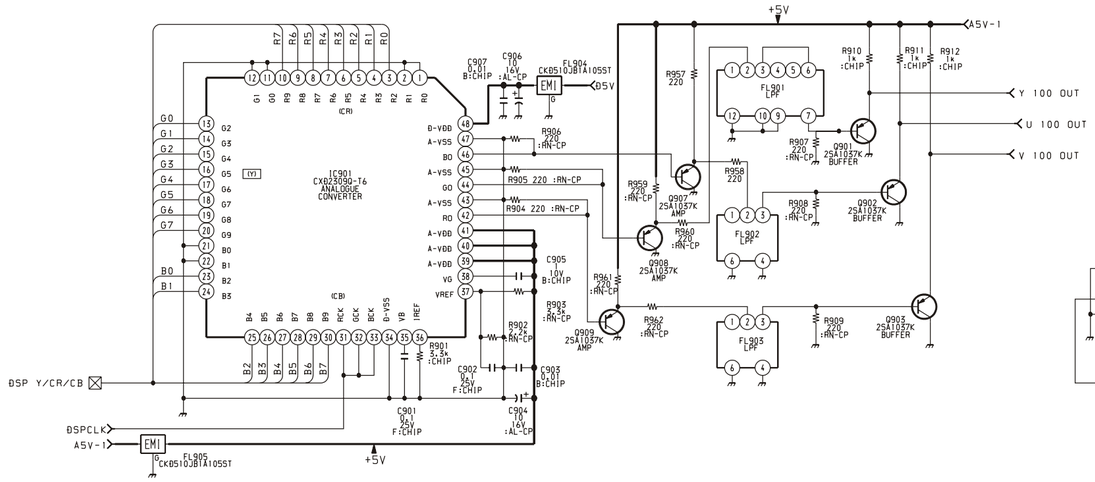
B3 (4/6)

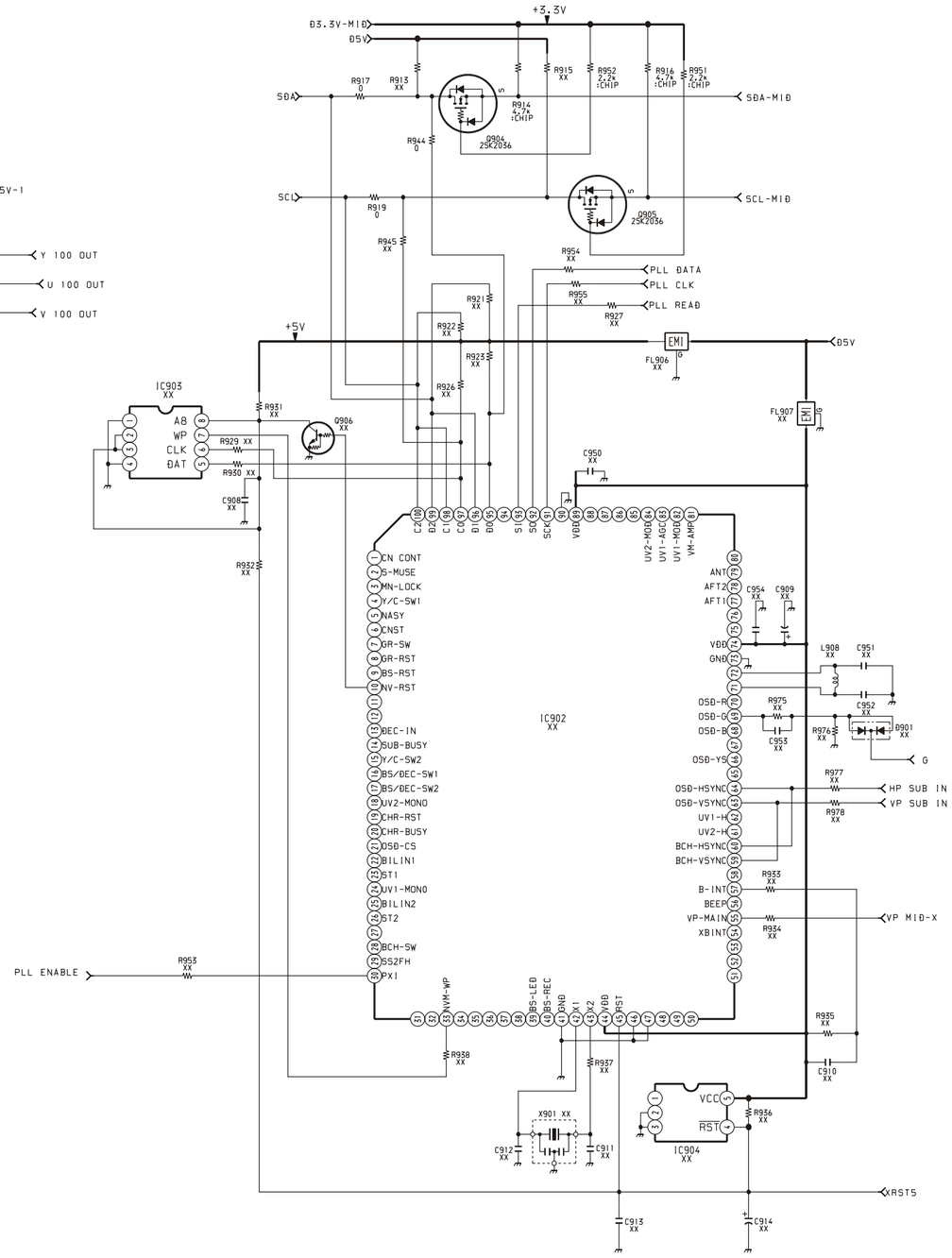


B3 [100Hz Processing (Page 4/6)]

B-#AE5A<...>-B3.-36FS70

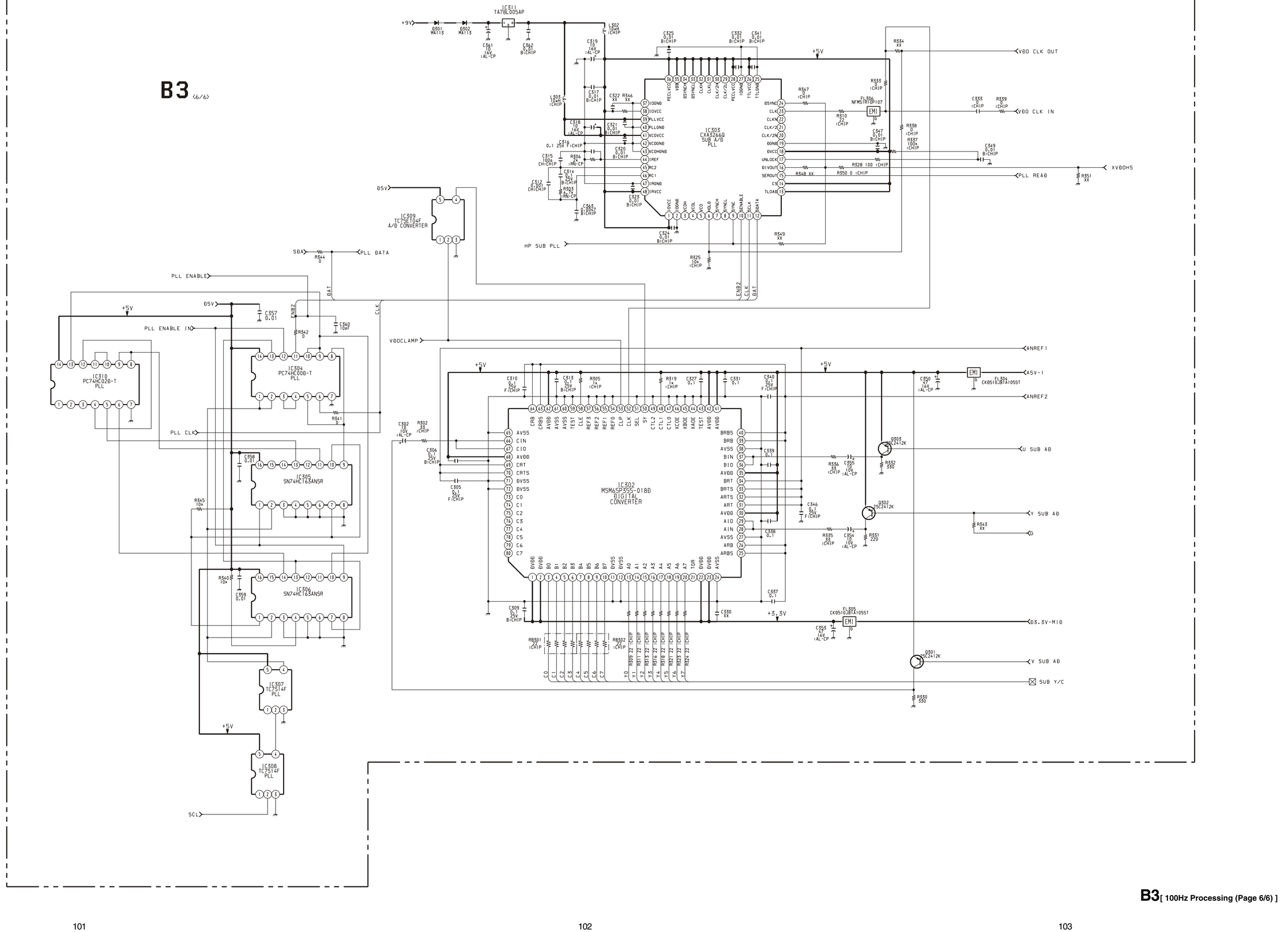
B3 (5/6)





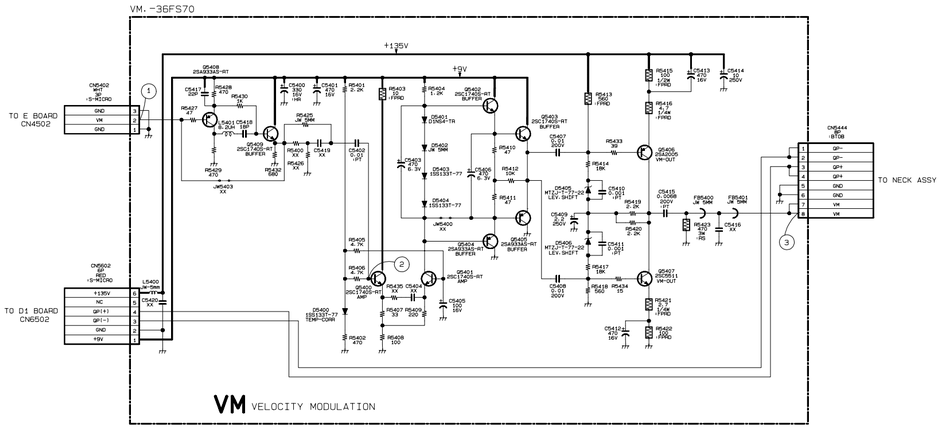
B-#AE5A<...>-B3.-36FS70

B3 (6/6)

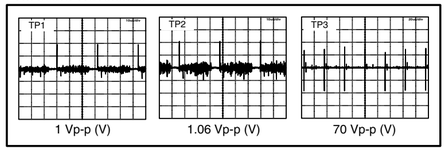


B3 [100Hz Processing (Page 6/6)]

VM [VELOCITY MODULATION]



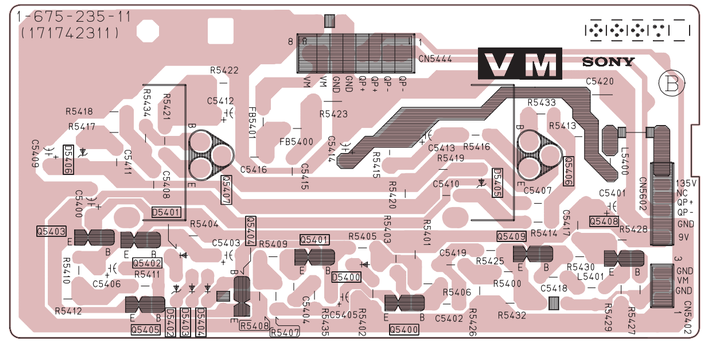
VM board Waveforms



Semiconductor Voltage Table

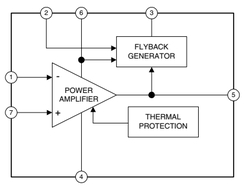
Ref	(e)	(b)	(c)
Q5400	1.3	1.9	8.9
Q5401	1.4	2.1	5.3
Q5402	6.1	6.7	9.0
Q5403	6.0	6.1	9.0
Q5404	0	5.3	5.9
Q5405	0	5.9	6.0
Q5406	135.4	134.8	67.9
Q5407	0.8	1.4	67.9
Q5408	7.6	7.0	1.3
Q5409	6.9	7.6	9.0

VM [PRINTED WIRING BOARD]

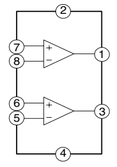


5-5. IC BLOCK DIAGRAMS

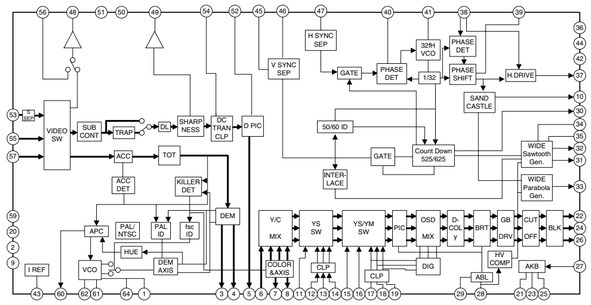
D BOARD IC6700 STV 9379



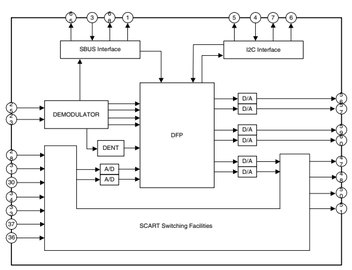
J BOARD IC8101 TDA2822D



E BOARD IC4301 CXA2100Q-TL



J BOARD IC8200 MSP3410D-QA-B4



5-4 SEMICONDUCTORS

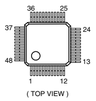
BA7046F
BA7046F-T1
LM393PS-E20
MB3793-42NF
MB3793-42NF-ER
NJM2240M
NJM2240M(TE2)
NJM3404AD

KA78R05TU
KA78R09TU
KA78R33TU

MSP3410D-QA-B4
SAA7185WP
SDA5273P-C134-GEG
SDA5275

STV9379

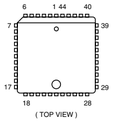
CXA1855Q-T6



CAD005AD
LM358
LM393N
M5216P
M24C32-BN6
ST24C16FB6
TDA2822M
UPC393C



M27C800-100K1



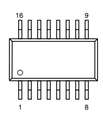
TC4S69F



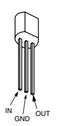
TC55257DFTL-70V-EL



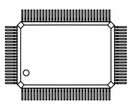
CXA1875AM-T4
HE4094BT
MC14052BDR2
MC74F157ADR2
SN74LS221D
74HCT4046AD/S470



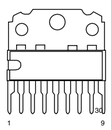
LM78L05ACZ
LM78L12ACZ
L78L05ACZ-AP
L78L12ACZ-AP



MSM65355GS
SAB-C161R1-LM



TDA6111Q/N4



CXD2053S
TDA4780/V3



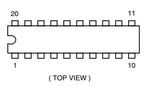
MB3793-42PNF-ER



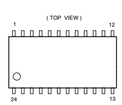
SBX1981-51



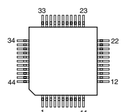
TDA7309D013TR



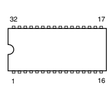
MB88141PF-ER



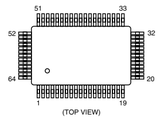
SDA9361



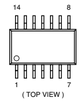
SDA9288X-B121
TDA9143/N2
TDA9144/N2
TDA9170T
MSM534031E3Y-Z



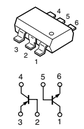
TDA9320H-N1-518



U2860B-BFPG3
74LVC08D



IMZ1A-T109



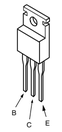
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2SC2551-O
2SC2551O-TPE2



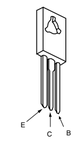
BC546B
BC556B



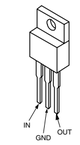
IRF614
IRF620



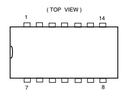
2SC2688-LK
2SC3840K



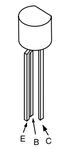
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TLC2933



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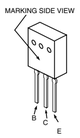


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DTC114EK
DTC114YKA-T146
DTC123EK
DTC123EK-T146
DTC124EKA-T146

DTC144EK
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2SA1162-G
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2SC2412K-T-146-R



2SC3997CA

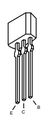


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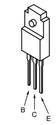


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DTC144ESA-TP
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2SA733-K

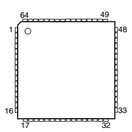
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2SA933AS-QRT
2SA933S-RT
2SC1740S-RT
2SC2785-HFE



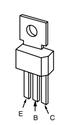
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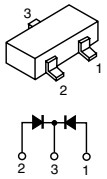


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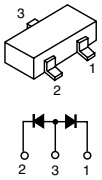
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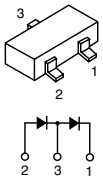
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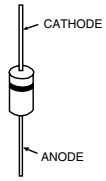
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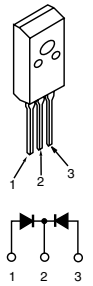
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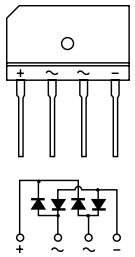
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EL1Z
GP08D
GP08DPKG23
R2K-V1
RGP02-20EG23
RGP10GPKG23
RGP15GPKG23
S2LA20F
1SS133T-77
1SS83
1SS83TD



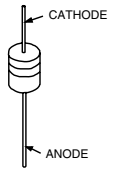
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D10SC6M



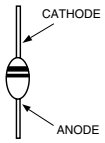
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D4SB60L-F
RBA-402L



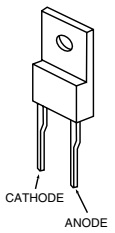
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ERA82-004TP1
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MTZJ-T-77-15
MTZJ-T-77-2.2A
MTZJ-T-77-3-3B
MTZJ-T-77-3.6A
MTZJ-T-77-4.7B
MTZJ-T-77-5.6B
MTZJ-T-77-6.8
MTZJ-T-77-7.5B
MTZJ-T-77-9.1
MTZJ-T-77-12
MTZJ-T-77-22
MTZJ-T-77-18B
MTZJ-33C
RD5.6ESB2
RD9.1ESB2
PGKE200AG23
1SS119-25
1SS119-25TD



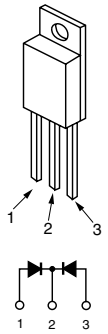
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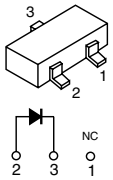
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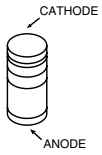
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ESAC39M-06CF38



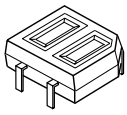
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MA3033L-TX
MA3056M-TX
MA3062M-TX
MA3030-H-(TX)



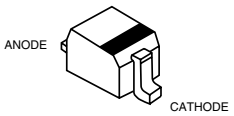
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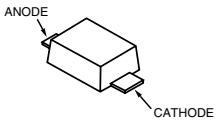
MA73-TX



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RD12SB2
UDZ-TE-17-3.9B
UDZ-TE-17-4.7B
UDZ-TE-17-6.2B
UDZ-TE-17-6.8B
UDZ-TE-12B



UF4005PKG23



SECTION 6
EXPLODED VIEWS

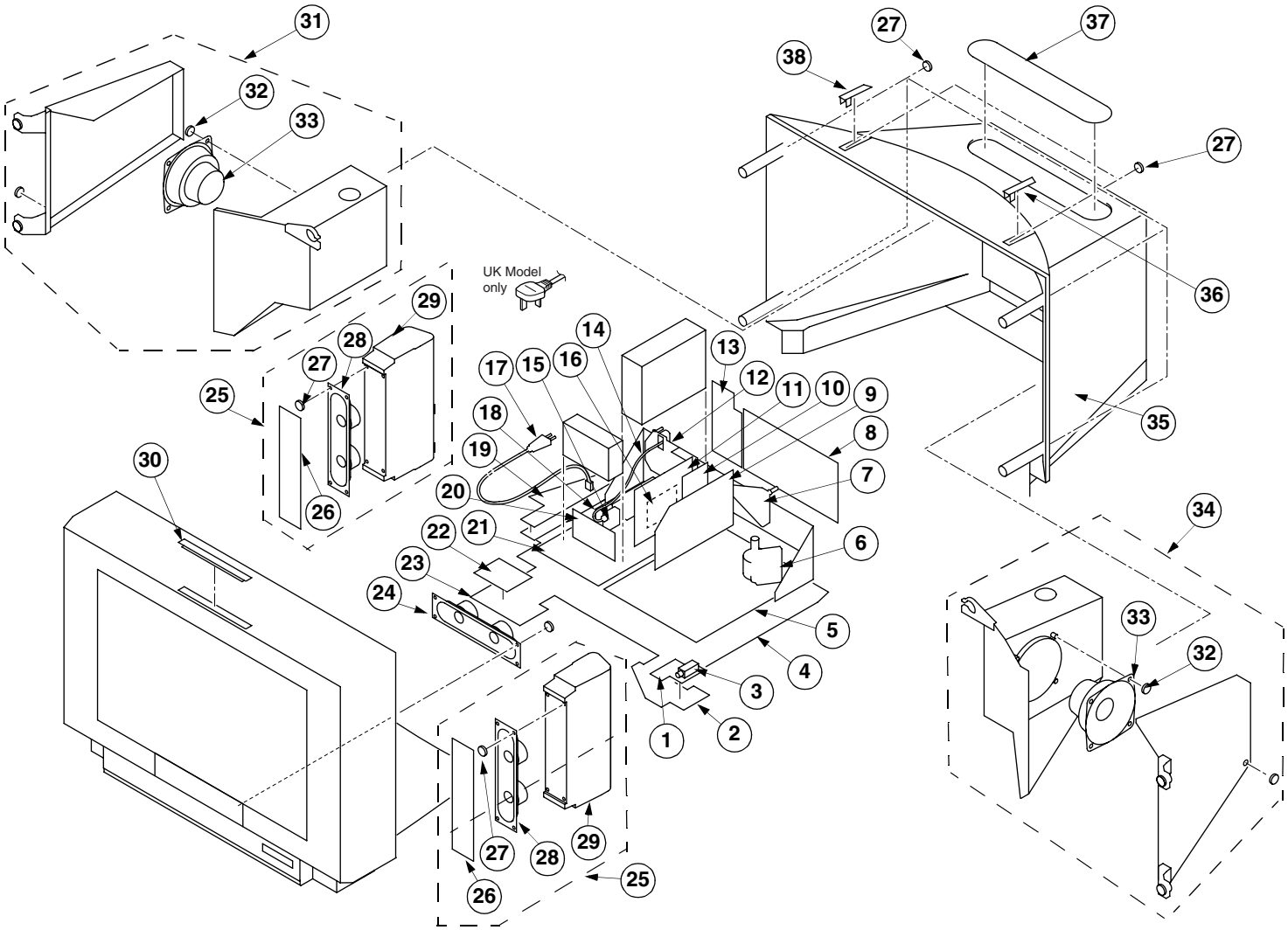
Note : Les composants indentifies par une trame et par une marque ⚠ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

NOTE :

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

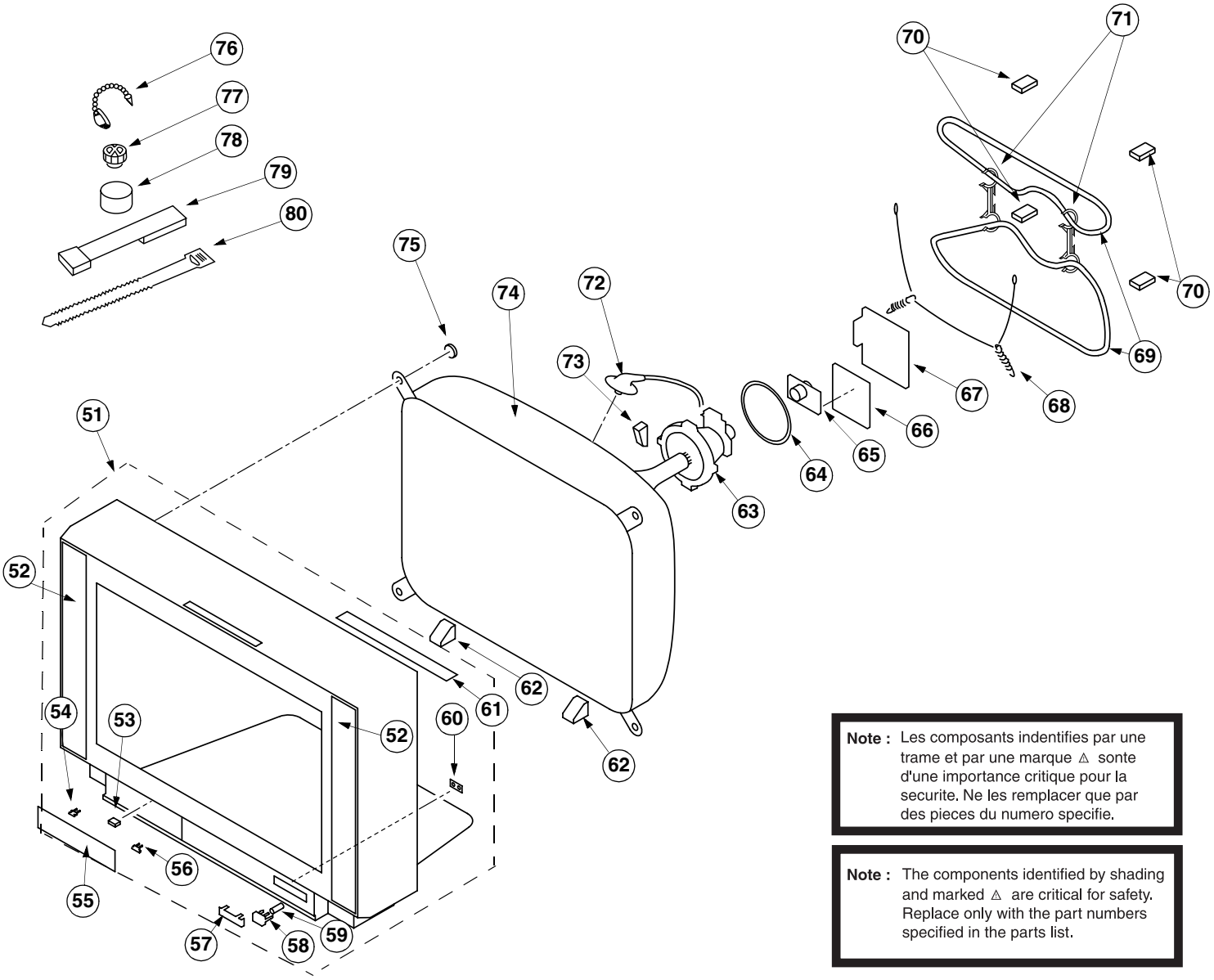
6-1. CHASSIS



REF. NO.		PART.NO	DESCRIPTION	REMARK
1		*A-1624-081-A	F BOARD, COMPLETE	
2		*4-204-551-12	BRACKET, F	
3	⚠	1-571-433-31	SWITCH, PUSH (AC POWER)	
4		*4-205-196-01	MAIN BRACKET (AE-5A)	
5		*A-1640-363-A	D BOARD, COMPLETE	
6	⚠	1-453-332-11	TRANSFORMER ASSY, FLYBACK (NX-4601//J1B4)	
7		*4-204-476-03	BRACKET, J1	
8		*A-1651-129-A	J BOARD, COMPLETE	
9		*A-1640-362-A	D1 BOARD, COMPLETE	
10		*A-1640-364-A	E BOARD, COMPLETE	
11		*A-1620-124-A	B3 BOARD, COMPLETE	
12		*4-204-477-03	BRACKET, J2	
13		*A-1648-030-A	U BOARD, COMPLETE	
14		1-790-082-11	CABLE, RF	
15		1-693-340-21	MAIN TUNER/VIF	
16		*A-1620-125-A	BK BOARD, COMPLETE	
17	⚠	1-792-389-11	CORD, POWER (AEP/K)	
	⚠	1-792-592-11	CORD, POWER WITH PLUG (UK)	
18		1-693-340-21	SUB TUNER/VIF	
19		*A-1624-082-A	F1 BOARD, COMPLETE	
20		*A-1634-050-A	M BOARD, COMPLETE	

REF. NO.	PART.NO	DESCRIPTION	REMARK
21	*A-1631-053-A	A BOARD, COMPLETE	
22	*A-1646-205-A	H1 BOARD, COMPLETE	
23	*4-204-550-13	BRACKET, H	
24	1-529-143-11	SPEAKER (4.2X20CM)	
25	*A-1678-152-A	SIDE BOX ASSY	26-29
26	*4-204-509-01	BOX, BAFFLE SPEAKER	
27	4-039-358-01	SCREW (4X16), (+) BV TAPPING	
28	1-529-153-11	SPEAKER (4.8X20CM)	
29	*4-204-510-01	BOX, REAR SPEAKER	
30	1-771-778-11	SWITCH, ARRAY	
31	*A-1678-150-A	WOOFER (L) ASSY (SP)	32,33
32	4-039-355-11	SCREW (4X12), (+) BV TAPPING	
33	1-529-144-11	SPEAKER (13CM)	
34	*A-1678-151-A	WOOFER (R) ASSY, (SP)	32,33
35	4-204-924-01	COVER, REAR	
36	4-204-991-01	COVER, SCREW (R)	
37	*4-204-458-01	COVER, PORT	
38	4-204-990-01	COVER, SCREW (L)	

6-2. PICTURE TUBE



Note : Les composants indentifies par une trame et par une marque ⚠ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

REF. NO.		PART.NO	DESCRIPTION	REMARK
51		X-4200-507-1	BEZNET ASSY	52-61
52		4-204-993-01	GRILLE, SPEAKER	
53		4-042-192-11	CATCHER, PUSH	
54		4-202-555-01	SHAFT, DOOR	
55		4-205-106-01	DOOR, CONTROL	
56		4-045-250-01	DAMPER	
57		4-204-492-02	WINDOW, ORNAMENTAL	
58		4-204-438-01	BUTTON, POWER	
59		4-202-964-11	SPRING	
60		4-204-439-02	GUIDE, LIGHT	
61		4-204-058-41	SHEET, BLOTTING	
62		*4-203-098-01	SUPPORTER, CRT	
63	⚠	8-451-507-31	DEFLECTION YOKE (Y36RVC2-M3)	
64		1-452-896-11	COIL, NA ROTATION (RT200)	
65	⚠	8-453-007-31	NECK ASSY, NA324-M3	

REF. NO.		PART.NO	DESCRIPTION	REMARK
66		*A-1644-102-A	VM BOARD, COMPLETE	
67		*A-1638-131-A	C BOARD, COMPLETE	
68		4-065-852-01	SPRING, EXTENSION	
69	⚠	1-419-264-11	COIL, DEGAUSSING	
70		*4-202-988-01	CUSHION, BOX	
71		4-064-945-03	HOLDER, DGC	
72	⚠	1-251-715-92	CAP ASSY, HIGH-VOLTAGE	
73		4-203-658-01	SPACER, DY	
74	⚠	8-735-061-05	PICTURE TUBE (W86LPH010X) (SD-307)	
75		4-204-225-01	PT-SCREW	
76		4-308-870-00	CLIP, LEAD WIRE	
77		1-452-094-00	MAGNET, ROTATABLE DISK; 15MM	
78		1-452-032-11	MAGNET, DISK; 10MM	
79		X-4387-214-1	PERMALLOY ASSY, CORRECTION	
80		3-701-007-00	BAND, BINDING	

SECTION 7
ELECTRICAL PARTS LIST

PARTS LISTING TABLE OF CONTENTS

	Page
B3 BOARD COMPLETE Parts List :	112
BK BOARD COMPLETE Parts List :	119
F BOARD COMPLETE Parts List :	121
F1 BOARD COMPLETE Parts List :	122
A BOARD COMPLETE Parts List :	122
M BOARD COMPLETE Parts List :	125
C BOARD COMPLETE Parts List :	127
D1 BOARD COMPLETE Parts List :	129
D BOARD COMPLETE Parts List :	133
E BOARD COMPLETE Parts List :	138
VM BOARD COMPLETE Parts List :	140
H1 BOARD COMPLETE Parts List :	141
U BOARD COMPLETE Parts List :	142
J BOARD COMPLETE Parts List :	142
MISCELLANEOUS :	150
ACCESSORIES AND PACKAGING MATERIALS :	150

Note : Refer to the designated variant parts list when seeking a part indicated by an asterisk (*)

Parts indicated (**#**) on the Schematic Diagram are not used in this model and therefore do not appear in the Parts List.

B3

REF. NO.	PART.NO	DESCRIPTION	REMARK

***A-1620-124-A B3 Board, Complete**

< CAPACITOR >

C302	1-104-601-11	ELECT CHIP 10MF 20%	10V
C305	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C306	1-164-004-91	CERAMIC CHIP 0.1MF 10%	25V
C309	1-164-004-91	CERAMIC CHIP 0.1MF 10%	25V
C310	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C312	1-163-275-11	CERAMIC CHIP 0.001MF 5%	50V
C313	1-164-004-91	CERAMIC CHIP 0.1MF 10%	25V
C314	1-164-004-91	CERAMIC CHIP 0.1MF 10%	25V
C315	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C316	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C317	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C318	1-124-779-00	ELECT CHIP 10MF 20%	16V
C319	1-124-779-00	ELECT CHIP 10MF 20%	16V
C320	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C321	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C323	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C324	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C325	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C327	1-164-004-91	CERAMIC CHIP 0.1MF 10%	50V
C331	1-163-021-91	CERAMIC CHIP 0.1MF 10%	50V
C332	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C333	1-216-295-91	SHORT 0	
C337	1-163-021-91	CERAMIC CHIP 0.1MF 10%	50V
C338	1-163-021-91	CERAMIC CHIP 0.1MF 10%	50V
C339	1-163-021-91	CERAMIC CHIP 0.1MF 10%	50V
C340	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C341	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C346	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C347	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C349	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C350	1-126-204-11	ELECT CHIP 47MF 20%	16V
C353	1-126-204-11	ELECT CHIP 47MF 20%	16V
C354	1-104-601-11	ELECT CHIP 10MF 20%	10V
C355	1-104-601-11	ELECT CHIP 10MF 20%	10V
C357	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C358	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C359	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C360	1-163-227-11	CERAMIC CHIP 10PF 0.5PF	50V
C361	1-124-779-00	ELECT CHIP 10MF 20%	16V
C362	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C363	1-163-017-00	CERAMIC CHIP 0.0047MF 10%	50V
C501	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C502	1-124-779-00	ELECT CHIP 10MF 20%	16V
C503	1-124-779-00	ELECT CHIP 10MF 20%	16V
C505	1-124-779-00	ELECT CHIP 10MF 20%	16V
C507	1-124-779-00	ELECT CHIP 10MF 20%	16V
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C521	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C522	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C523	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C524	1-124-779-00	ELECT CHIP 10MF 20%	16V
C525	1-124-779-00	ELECT CHIP 10MF 20%	16V
C526	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C527	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C528	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C530	1-216-295-91	SHORT 0	
C532	1-216-295-91	SHORT 0	
C534	1-216-295-91	SHORT 0	
C538	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C539	1-126-204-11	ELECT CHIP 47MF 20%	16V
C540	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C542	1-126-204-11	ELECT CHIP 47MF 20%	16V
C543	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C545	1-126-396-11	ELECT CHIP 47MF 20%	16V
C546	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C548	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C549	1-126-204-11	ELECT CHIP 47MF 20%	16V
C550	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C551	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C554	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C555	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C556	1-126-392-11	ELECT CHIP 100MF 20%	6.3V
C557	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C559	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C560	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C601	1-124-779-00	ELECT CHIP 10MF 20%	16V
C602	1-126-394-11	ELECT CHIP 10MF 20%	16V
C603	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C604	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C605	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C606	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V

REF. NO.	PART.NO	DESCRIPTION	REMARK
C607	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C608	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C609	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C610	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C611	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C612	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C613	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C614	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C615	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C616	1-126-396-11	ELECT CHIP 47MF	20% 16V
C617	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C618	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C619	1-163-038-91	CERAMIC CHIP 0.1MF	25V
C620	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C621	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C622	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C623	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C624	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C625	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C626	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C627	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C628	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C629	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C630	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C631	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C632	1-126-206-11	ELECT CHIP 100MF	20% 6.3V
C633	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C634	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C635	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C636	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C637	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C638	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C640	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C642	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C643	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C644	1-126-603-11	ELECT CHIP 4.7MF	20% 35V
C645	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C646	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
C703	1-126-394-11	ELECT CHIP 10MF	20% 16V
C704	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C705	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C706	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C707	1-126-204-11	ELECT CHIP 47MF	20% 16V
C708	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C709	1-110-501-11	CERAMIC CHIP 0.33MF	10% 16V
C710	1-163-019-00	CERAMIC CHIP 0.0068MF	10% 50V
C711	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C712	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C713	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C714	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C715	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C716	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C717	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C718	1-126-204-11	ELECT CHIP 47MF	20% 16V
C719	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C722	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C723	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C724	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C725	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C726	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C727	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C728	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C729	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C730	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C735	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C738	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C739	1-163-227-11	CERAMIC CHIP 10PF	0.5PF 50V
C740	1-163-227-11	CERAMIC CHIP 10PF	0.5PF 50V
C801	1-124-779-00	ELECT CHIP 10MF	20% 16V
C802	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C803	1-124-779-00	ELECT CHIP 10MF	20% 16V
C804	1-124-779-00	ELECT CHIP 10MF	20% 16V
C806	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C807	1-124-779-00	ELECT CHIP 10MF	20% 16V
C808	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C809	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C810	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C811	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C812	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C813	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C814	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C815	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C816	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C817	1-163-229-11	CERAMIC CHIP 12PF	5% 50V
C818	1-163-229-11	CERAMIC CHIP 12PF	5% 50V
C819	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C820	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C821	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C822	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C823	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C824	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C825	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C826	1-164-489-11	CERAMIC CHIP 0.22MF	10% 16V
C827	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V

B3

REF. NO.	PART.NO	DESCRIPTION	REMARK
C829	1-163-021-91	CERAMIC CHIP 0.01MF 10% 50V	
C834	1-163-038-91	CERAMIC CHIP 0.1MF 25V	
C835	1-163-038-91	CERAMIC CHIP 0.1MF 25V	
C837	1-163-021-91	CERAMIC CHIP 0.01MF 10% 50V	
C839	1-163-021-91	CERAMIC CHIP 0.01MF 10% 50V	
C840	1-126-206-11	ELECT CHIP 100MF 20% 6.3V	
C841	1-163-021-91	CERAMIC CHIP 0.01MF 10% 50V	
C842	1-163-021-91	CERAMIC CHIP 0.01MF 10% 50V	
C843	1-163-021-91	CERAMIC CHIP 0.01MF 10% 50V	
C844	1-163-038-91	CERAMIC CHIP 0.1MF 25V	
C848	1-163-017-00	CERAMIC CHIP 0.0047MF 10% 50V	
C849	1-163-021-91	CERAMIC CHIP 0.01MF 10% 50V	
C850	1-163-021-91	CERAMIC CHIP 0.01MF 10% 50V	
C851	1-163-021-91	CERAMIC CHIP 0.01MF 10% 50V	
C852	1-163-021-91	CERAMIC CHIP 0.01MF 10% 50V	
C901	1-163-038-91	CERAMIC CHIP 0.1MF 25V	
C902	1-163-038-91	CERAMIC CHIP 0.1MF 25V	
C903	1-163-021-91	CERAMIC CHIP 0.01MF 10% 50V	
C904	1-124-779-00	ELECT CHIP 10MF 20% 16V	
C905	1-109-982-11	CERAMIC CHIP 1MF 10% 10V	
C906	1-124-779-00	ELECT CHIP 10MF 20% 16V	
C907	1-163-021-91	CERAMIC CHIP 0.01MF 10% 50V	
		< CONNECTOR >	
CN502	1-695-302-11	CONNECTOR, BOARD TO BOARD 50P	
		< DIODE >	
D301	8-719-041-97	DIODE MA113-(TX)	
D302	8-719-041-97	DIODE MA113-(TX)	
D501	8-719-422-12	DIODE MA8039	
		< FERRITE BEAD >	
FB501	1-414-813-11	FERRITE 0UH	
FB502	1-414-813-11	FERRITE 0UH	
FB503	1-414-813-11	FERRITE 0UH	
FB504	1-414-813-11	FERRITE 0UH	
FB601	1-414-553-11	FERRITE 0UH	
FB701	1-414-553-11	FERRITE 0UH	
FB702	1-414-553-11	FERRITE 0UH	
FB801	1-414-553-11	FERRITE 0UH	
FB802	1-414-553-11	FERRITE 0UH	
		< FILTER >	
FL304	1-234-177-21	FILTER, CHIP EMI	
FL305	1-234-177-21	FILTER, CHIP EMI	
FL306	1-239-558-11	FILTER, CHIP EMI	
FL501	1-233-877-11	FILTER, LOW PASS	
FL502	1-233-504-21	FILTER, LOW PASS	
FL503	1-233-504-21	FILTER, LOW PASS	
FL504	1-234-177-21	FILTER, CHIP EMI	
FL505	1-234-177-21	FILTER, CHIP EMI	
FL506	1-234-177-21	FILTER, CHIP EMI	
FL508	1-234-177-21	FILTER, CHIP EMI	
FL509	1-234-177-21	FILTER, CHIP EMI	
FL510	1-234-177-21	FILTER, CHIP EMI	
FL511	1-234-177-21	FILTER, CHIP EMI	
FL512	1-234-177-21	FILTER, CHIP EMI	
FL601	1-234-177-21	FILTER, CHIP EMI	
FL602	1-234-177-21	FILTER, CHIP EMI	
FL603	1-234-177-21	FILTER, CHIP EMI	
FL606	1-239-560-11	FILTER, CHIP EMI	
FL701	1-234-177-21	FILTER, CHIP EMI	
FL703	1-234-177-21	FILTER, CHIP EMI	
FL704	1-234-177-21	FILTER, CHIP EMI	
FL705	1-234-177-21	FILTER, CHIP EMI	
FL801	1-234-177-21	FILTER, CHIP EMI	
FL802	1-234-177-21	FILTER, CHIP EMI	
FL803	1-234-177-21	FILTER, CHIP EMI	
FL804	1-234-177-21	FILTER, CHIP EMI	
FL805	1-234-177-21	FILTER, CHIP EMI	
FL806	1-234-177-21	FILTER, CHIP EMI	
FL807	1-234-177-21	FILTER, CHIP EMI	
FL808	1-234-177-21	FILTER, CHIP EMI	
FL810	1-234-177-21	FILTER, CHIP EMI	
FL901	1-233-878-11	FILTER, LOW PASS	
FL902	1-233-876-11	FILTER, LOW PASS	
FL903	1-233-876-11	FILTER, LOW PASS	
FL904	1-234-177-21	FILTER, CHIP EMI	
FL905	1-234-177-21	FILTER, CHIP EMI	
		< IC >	
IC302	8-759-388-99	IC MSM65P355-018D-GS-BK	
IC303	8-752-088-27	IC CXA3266Q-T6	
IC304	8-759-285-51	IC PC74HC00D-T	
IC305	8-759-269-96	IC SN74HC163ANSR	
IC306	8-759-296-96	IC SN74HC163ANSR	
IC307	8-759-084-79	IC TC7S14F	
IC308	8-759-084-79	IC TC7S14F	
IC309	8-759-640-16	IC TC7SET04F(TE85R)	
IC310	8-759-285-52	IC PC74HC02D-T	
IC311	8-759-230-55	IC TA78L005AP-TPE6	
IC501	8-759-447-90	IC TLC5733AIPM	
IC504	8-759-430-32	IC TLC2933IPWR	
IC505	8-759-640-16	IC TC7SET04F(TE85R)	

REF. NO.	PART.NO	DESCRIPTION	REMARK
IC506	8-759-640-16	IC TC7SET04F(TE85R)	
IC601	8-759-398-47	IC CXD2090Q	
IC602	8-759-567-37	IC MB81F161622B-80FN	
IC603	8-759-295-09	IC TLC2932IPW	
IC604	8-752-072-94	IC CXA1875AM-T4	
IC701	8-759-640-18	IC TMC57127-MMP-54	
IC704	8-759-640-17	IC MSM534031E-22GS-KR1	
IC705	8-759-242-70	IC TC7WU04F	
IC801	8-759-592-40	IC CXD950Q	
IC802	8-759-595-53	IC MB81F643242B-10FN	
IC901	8-752-369-84	IC CXD2309Q-T6	
		< COIL >	
L302	1-412-029-11	INDUCTOR CHIP 10UH	
L303	1-412-029-11	INDUCTOR CHIP 10UH	
L501	1-412-026-11	INDUCTOR CHIP 1UH	
L502	1-412-026-11	INDUCTOR CHIP 1UH	
L503	1-412-026-11	INDUCTOR CHIP 1UH	
L504	1-412-026-11	INDUCTOR CHIP 1UH	
L505	1-412-029-11	INDUCTOR CHIP 10UH	
L506	1-412-026-11	INDUCTOR CHIP 1UH	
L508	1-412-029-11	INDUCTOR CHIP 10UH	
L509	1-412-029-11	INDUCTOR CHIP 10UH	
L511	1-412-026-11	INDUCTOR CHIP 1UH	
L512	1-412-026-11	INDUCTOR CHIP 1UH	
L604	1-412-029-11	INDUCTOR CHIP 10UH	
L605	1-412-029-11	INDUCTOR CHIP 10UH	
		< TRANSISTOR >	
Q301	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q302	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q303	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q501	8-729-902-21	TRANSISTOR 2SA1037K	
Q502	8-729-901-82	TRANSISTOR 2SC2412K-T-146-S	
Q503	8-729-901-82	TRANSISTOR 2SC2412K-T-146-S	
Q510	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q511	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q512	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q516	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q517	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q518	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q519	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q520	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q521	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q522	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q523	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q524	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q601	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q602	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q901	8-729-902-21	TRANSISTOR 2SA1037K	
Q902	8-729-902-21	TRANSISTOR 2SA1037K	
Q903	8-729-902-21	TRANSISTOR 2SA1037K	
Q904	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q905	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q907	8-729-902-21	TRANSISTOR 2SA1037K	
Q908	8-729-902-21	TRANSISTOR 2SA1037K	
Q909	8-729-902-21	TRANSISTOR 2SA1037K	
		< RESISTOR >	
R302	1-216-013-00	RES,CHIP 33 5% 1/10W	
R303	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R305	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R306	1-216-658-11	METAL CHIP 2K 0.50% 1/10W	
R309	1-216-009-91	RES,CHIP 22 5% 1/10W	
R310	1-216-009-91	RES,CHIP 22 5% 1/10W	
R311	1-216-009-91	RES,CHIP 22 5% 1/10W	
R313	1-216-009-91	RES,CHIP 22 5% 1/10W	
R316	1-216-009-91	RES,CHIP 22 5% 1/10W	
R318	1-216-009-91	RES,CHIP 22 5% 1/10W	
R319	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R321	1-216-009-91	RES,CHIP 22 5% 1/10W	
R323	1-216-009-91	RES,CHIP 22 5% 1/10W	
R324	1-216-009-91	RES,CHIP 22 5% 1/10W	
R325	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R328	1-216-025-91	RES,CHIP 100 5% 1/10W	
R330	1-216-037-91	RES,CHIP 330 5% 1/10W	
R331	1-216-033-91	RES,CHIP 220 5% 1/10W	
R332	1-216-037-91	RES,CHIP 330 5% 1/10W	
R333	1-216-295-91	SHORT 0	
R335	1-216-013-00	RES,CHIP 33 5% 1/10W	
R336	1-216-013-00	RES,CHIP 33 5% 1/10W	
R337	1-216-097-91	RES,CHIP 100K 5% 1/10W	
R338	1-216-295-91	SHORT 0	
R339	1-216-295-91	SHORT 0	
R340	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R341	1-216-295-91	SHORT 0	
R342	1-216-295-91	SHORT 0	
R344	1-216-295-91	SHORT 0	
R345	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R347	1-216-295-91	SHORT 0	
R350	1-216-295-91	SHORT 0	
R501	1-216-025-00	RES,CHIP 100 5% 1/10W	
R502	1-216-025-00	RES,CHIP 100 5% 1/10W	
R503	1-216-295-91	SHORT 0	

B3

REF. NO.	PART.NO	DESCRIPTION			REMARK
R504	1-216-295-91	SHORT	0		
R505	1-216-295-91	SHORT	0		
R506	1-216-025-91	RES,CHIP	100	5%	1/10W
R507	1-216-025-91	RES,CHIP	100	5%	1/10W
R508	1-216-025-00	RES,CHIP	100	5%	1/10W
R509	1-216-025-00	RES,CHIP	100	5%	1/10W
R510	1-216-043-91	RES,CHIP	560	5%	1/10W
R511	1-216-043-91	RES,CHIP	560	5%	1/10W
R512	1-216-043-91	RES,CHIP	560	5%	1/10W
R513	1-216-043-91	RES,CHIP	560	5%	1/10W
R514	1-216-043-91	RES,CHIP	560	5%	1/10W
R515	1-216-043-91	RES,CHIP	560	5%	1/10W
R516	1-216-049-91	RES,CHIP	1K	5%	1/10W
R517	1-216-049-91	RES,CHIP	1K	5%	1/10W
R518	1-216-295-91	SHORT	0		
R520	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R521	1-216-295-91	SHORT	0		
R523	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R524	1-216-295-91	SHORT	0		
R526	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R528	1-216-037-91	RES,CHIP	330	5%	1/10W
R529	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R530	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R531	1-216-031-91	RES,CHIP	180	5%	1/10W
R532	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R533	1-216-031-91	RES,CHIP	180	5%	1/10W
R536	1-216-059-91	METAL CHIP	2.2K	5%	1/10W
R537	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R540	1-216-049-91	RES,CHIP	1K	5%	1/10W
R548	1-216-619-11	METAL CHIP	47	0.50%	1/10W
R549	1-216-619-11	METAL CHIP	47	0.50%	1/10W
R550	1-216-625-11	METAL CHIP	82	0.50%	1/10W
R551	1-216-625-11	METAL CHIP	82	0.50%	1/10W
R552	1-216-619-11	METAL CHIP	47	0.50%	1/10W
R553	1-216-295-91	SHORT	0		
R554	1-216-619-11	METAL CHIP	47	0.50%	1/10W
R555	1-216-077-91	RES,CHIP	15K	5%	1/10W
R557	1-216-049-91	RES,CHIP	1K	5%	1/10W
R558	1-216-025-91	RES,CHIP	100	5%	1/10W
R559	1-216-077-91	RES,CHIP	15K	5%	1/10W
R560	1-216-619-11	METAL CHIP	47	0.50%	1/10W
R561	1-216-043-91	RES,CHIP	560	5%	1/10W
R562	1-216-043-91	RES,CHIP	560	5%	1/10W
R563	1-216-043-91	RES,CHIP	560	5%	1/10W
R571	1-216-295-91	SHORT	0		
R572	1-216-619-11	METAL CHIP	47	0.50%	1/10W
R573	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R574	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R575	1-216-625-11	METAL CHIP	82	0.50%	1/10W
R576	1-216-625-11	METAL CHIP	82	0.50%	1/10W
R577	1-216-619-11	METAL CHIP	47	0.50%	1/10W
R578	1-216-619-11	METAL CHIP	47	0.50%	1/10W
R579	1-216-077-91	RES,CHIP	15K	5%	1/10W
R580	1-216-295-91	SHORT	0		
R582	1-216-041-00	RES,CHIP	470	5%	1/10W
R584	1-216-041-00	RES,CHIP	470	5%	1/10W
R594	1-216-041-00	RES,CHIP	470	5%	1/10W
R596	1-216-049-91	RES,CHIP	1K	5%	1/10W
R597	1-216-073-00	RES,CHIP	10K	5%	1/10W
R600	1-216-066-00	RES,CHIP	5.1K	5%	1/10W
R601	1-216-073-00	RES,CHIP	10K	5%	1/10W
R602	1-216-073-00	RES,CHIP	10K	5%	1/10W
R603	1-216-073-00	RES,CHIP	10K	5%	1/10W
R604	1-216-033-00	RES,CHIP	220	5%	1/10W
R605	1-216-295-91	SHORT	0		
R608	1-216-295-91	SHORT	0		
R609	1-216-073-00	RES,CHIP	10K	5%	1/10W
R610	1-216-033-00	RES,CHIP	220	5%	1/10W
R611	1-216-073-00	RES,CHIP	10K	5%	1/10W
R612	1-216-073-00	RES,CHIP	10K	5%	1/10W
R613	1-216-073-00	RES,CHIP	10K	5%	1/10W
R616	1-216-073-91	RES,CHIP	10K	5%	1/10W
R619	1-216-073-00	RES,CHIP	10K	5%	1/10W
R621	1-216-295-91	SHORT	0		
R622	1-216-295-91	SHORT	0		
R623	1-216-295-91	SHORT	0		
R625	1-216-295-91	SHORT	0		
R626	1-216-073-00	RES,CHIP	10K	5%	1/10W
R628	1-216-295-91	SHORT	0		
R629	1-216-073-91	RES,CHIP	10K	5%	1/10W
R631	1-216-295-91	SHORT	0		
R634	1-216-295-91	SHORT	0		
R635	1-216-295-91	SHORT	0		
R638	1-216-295-91	SHORT	0		
R639	1-216-017-91	RES,CHIP	47	5%	1/10W
R640	1-216-009-91	RES,CHIP	22	5%	1/10W
R642	1-216-295-91	SHORT	0		
R643	1-216-295-91	SHORT	0		
R645	1-216-295-91	SHORT	0		
R651	1-216-295-91	SHORT	0		
R653	1-216-025-91	RES,CHIP	100	5%	1/10W
R654	1-216-033-00	RES,CHIP	220	5%	1/10W
R655	1-216-295-91	SHORT	0		
R657	1-216-009-91	RES,CHIP	22	5%	1/10W

REF. NO.	PART.NO	DESCRIPTION			REMARK
R658	1-216-049-91	RES,CHIP	1K	5%	1/10W
R659	1-216-025-91	RES,CHIP	100	5%	1/10W
R660	1-216-025-91	RES,CHIP	100	5%	1/10W
R661	1-216-025-91	RES,CHIP	100	5%	1/10W
R663	1-216-295-91	SHORT	0		
R664	1-216-009-91	RES,CHIP	22	5%	1/10W
R665	1-216-035-00	RES,CHIP	270	5%	1/10W
R666	1-216-646-11	METAL CHIP	620	0.50%	1/10W
R667	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R668	1-216-009-91	RES,CHIP	22	5%	1/10W
R669	1-216-295-91	SHORT	0		
R670	1-216-295-91	SHORT	0		
R671	1-216-073-00	RES,CHIP	10K	5%	1/10W
R672	1-216-073-00	RES,CHIP	10K	5%	1/10W
R673	1-216-073-00	RES,CHIP	10K	5%	1/10W
R674	1-216-073-00	RES,CHIP	10K	5%	1/10W
R675	1-216-073-00	RES,CHIP	10K	5%	1/10W
R676	1-216-073-00	RES,CHIP	10K	5%	1/10W
R677	1-216-073-00	RES,CHIP	10K	5%	1/10W
R678	1-216-073-00	RES,CHIP	10K	5%	1/10W
R679	1-216-073-00	RES,CHIP	10K	5%	1/10W
R680	1-216-073-00	RES,CHIP	10K	5%	1/10W
R681	1-216-073-00	RES,CHIP	10K	5%	1/10W
R682	1-216-073-00	RES,CHIP	10K	5%	1/10W
R683	1-216-073-00	RES,CHIP	10K	5%	1/10W
R684	1-216-073-00	RES,CHIP	10K	5%	1/10W
R685	1-216-073-00	RES,CHIP	10K	5%	1/10W
R686	1-216-073-00	RES,CHIP	10K	5%	1/10W
R687	1-216-295-91	SHORT	0		
R688	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R689	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R690	1-216-295-91	SHORT	0		
R691	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R692	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R693	1-216-009-91	RES,CHIP	22	5%	1/10W
R694	1-216-295-91	SHORT	0		
R695	1-216-047-91	RES,CHIP	820	5%	1/10W
R696	1-216-049-91	RES,CHIP	1K	5%	1/10W
R697	1-216-117-00	RES,CHIP	680K	5%	1/10W
R698	1-216-117-00	RES,CHIP	680K	5%	1/10W
R699	1-216-295-91	SHORT	0		
R703	1-216-295-91	SHORT	0		
R704	1-216-295-91	SHORT	0		
R705	1-216-295-91	SHORT	0		
R709	1-216-005-00	RES,CHIP	15	5%	1/10W
R710	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R712	1-216-049-91	RES,CHIP	1K	5%	1/10W
R713	1-216-295-91	SHORT	0		
R714	1-216-121-91	RES,CHIP	1M	5%	1/10W
R715	1-216-033-00	RES,CHIP	220	5%	1/10W
R801	1-216-009-91	RES,CHIP	22	5%	1/10W
R802	1-216-009-91	RES,CHIP	22	5%	1/10W
R804	1-216-073-00	RES,CHIP	10K	5%	1/10W
R806	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R807	1-216-637-11	METAL CHIP	270	0.50%	1/10W
R812	1-216-073-00	RES,CHIP	10K	5%	1/10W
R813	1-216-295-91	SHORT	0		
R814	1-216-073-00	RES,CHIP	10K	5%	1/10W
R815	1-216-073-00	RES,CHIP	10K	5%	1/10W
R816	1-216-073-00	RES,CHIP	10K	5%	1/10W
R817	1-216-613-11	METAL CHIP	27	0.50%	1/10W
R818	1-216-295-91	SHORT	0		
R820	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R822	1-216-295-91	SHORT	0		
R823	1-216-073-00	RES,CHIP	10K	5%	1/10W
R824	1-216-073-00	RES,CHIP	10K	5%	1/10W
R825	1-216-621-91	METAL CHIP	56	0.05%	1/10W
R826	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R827	1-216-607-11	METAL CHIP	15	0.50%	1/10W
R834	1-216-629-11	METAL CHIP	120	0.50%	1/10W
R835	1-216-623-91	METAL CHIP	68	0.50%	1/10W
R836	1-216-611-11	METAL CHIP	22	0.50%	1/10W
R840	1-216-295-91	SHORT	0		
R844	1-216-009-91	RES,CHIP	22	5%	1/10W
R845	1-216-009-91	RES,CHIP	22	5%	1/10W
R846	1-216-009-91	RES,CHIP	22	5%	1/10W
R847	1-216-009-91	RES,CHIP	22	5%	1/10W
R848	1-216-009-91	RES,CHIP	22	5%	1/10W
R849	1-216-009-91	RES,CHIP	22	5%	1/10W
R850	1-216-009-91	RES,CHIP	22	5%	1/10W
R851	1-216-009-91	RES,CHIP	22	5%	1/10W
R852	1-216-009-91	RES,CHIP	22	5%	1/10W
R853	1-216-009-91	RES,CHIP	22	5%	1/10W
R854	1-216-009-91	RES,CHIP	22	5%	1/10W
R855	1-216-009-91	RES,CHIP	22	5%	1/10W
R856	1-216-009-91	RES,CHIP	22	5%	1/10W
R857	1-216-009-91	RES,CHIP	22	5%	1/10W
R858	1-216-009-91	RES,CHIP	22	5%	1/10W
R859	1-216-009-91	RES,CHIP	22	5%	1/10W
R860	1-216-009-91	RES,CHIP	22	5%	1/10W
R861	1-216-009-91	RES,CHIP	22	5%	1/10W
R862	1-216-009-91	RES,CHIP	22	5%	1/10W
R863	1-216-009-91	RES,CHIP	22	5%	1/10W
R864	1-216-009-91	RES,CHIP	22	5%	1/10W

B3

REF. NO.	PART.NO	DESCRIPTION			REMARK
R865	1-216-009-91	RES,CHIP	22	5%	1/10W
R866	1-216-009-91	RES,CHIP	22	5%	1/10W
R867	1-216-009-91	RES,CHIP	22	5%	1/10W
R868	1-216-009-91	RES,CHIP	22	5%	1/10W
R869	1-216-009-91	RES,CHIP	22	5%	1/10W
R870	1-216-009-91	RES,CHIP	22	5%	1/10W
R871	1-216-009-91	RES,CHIP	22	5%	1/10W
R872	1-216-009-91	RES,CHIP	22	5%	1/10W
R873	1-216-009-91	RES,CHIP	22	5%	1/10W
R874	1-216-009-91	RES,CHIP	22	5%	1/10W
R875	1-216-009-91	RES,CHIP	22	5%	1/10W
R876	1-216-009-91	RES,CHIP	22	5%	1/10W
R877	1-216-009-91	RES,CHIP	22	5%	1/10W
R878	1-216-009-91	RES,CHIP	22	5%	1/10W
R879	1-216-009-91	RES,CHIP	22	5%	1/10W
R880	1-216-009-91	RES,CHIP	22	5%	1/10W
R881	1-216-009-91	RES,CHIP	22	5%	1/10W
R882	1-216-009-91	RES,CHIP	22	5%	1/10W
R883	1-216-009-91	RES,CHIP	22	5%	1/10W
R884	1-216-009-91	RES,CHIP	22	5%	1/10W
R885	1-216-009-91	RES,CHIP	22	5%	1/10W
R886	1-216-009-91	RES,CHIP	22	5%	1/10W
R887	1-216-009-91	RES,CHIP	22	5%	1/10W
R888	1-216-009-91	RES,CHIP	22	5%	1/10W
R889	1-216-009-91	RES,CHIP	22	5%	1/10W
R890	1-216-009-91	RES,CHIP	22	5%	1/10W
R891	1-216-009-91	RES,CHIP	22	5%	1/10W
R892	1-216-009-91	RES,CHIP	22	5%	1/10W
R893	1-216-009-91	RES,CHIP	22	5%	1/10W
R894	1-216-009-91	RES,CHIP	22	5%	1/10W
R895	1-216-009-91	RES,CHIP	22	5%	1/10W
R896	1-216-009-91	RES,CHIP	22	5%	1/10W
R897	1-216-009-91	RES,CHIP	22	5%	1/10W
R898	1-216-009-91	RES,CHIP	22	5%	1/10W
R901	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R902	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R903	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R904	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R905	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R906	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R907	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R908	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R909	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R910	1-216-049-91	RES,CHIP	1K	5%	1/10W
R911	1-216-049-91	RES,CHIP	1K	5%	1/10W
R912	1-216-049-91	RES,CHIP	1K	5%	1/10W
R914	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R916	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R917	1-216-295-91	SHORT	0		
R919	1-216-295-91	SHORT	0		
R939	1-216-295-91	SHORT	0		
R940	1-216-295-91	SHORT	0		
R941	1-216-295-91	SHORT	0		
R942	1-216-037-91	RES,CHIP	330	5%	1/10W
R943	1-216-033-91	RES,CHIP	220	5%	1/10W
R951	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R952	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R956	1-216-089-91	RES,CHIP	47K	5%	1/10W
R957	1-216-635-91	METAL,CHIP	220	0.50%	1/10W
R958	1-216-635-91	METAL,CHIP	220	0.50%	1/10W
R959	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R960	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R961	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R962	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R979	1-216-295-91	SHORT	0		
R981	1-216-037-00	RES,CHIP	330	5%	1/10W
R982	1-216-037-00	RES,CHIP	330	5%	1/10W
R983	1-216-089-91	RES,CHIP	47K	5%	1/10W
R984	1-216-061-91	RES,CHIP	3.3K	5%	1/10W
R985	1-216-113-00	RES,CHIP	470K	5%	1/10W
R986	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R987	1-216-049-91	RES,CHIP	1K	5%	1/10W
R988	1-216-033-00	RES,CHIP	220	5%	1/10W
R989	1-216-081-00	RES,CHIP	22K	5%	1/10W
R990	1-216-113-00	RES,CHIP	470K	5%	1/10W
R991	1-216-295-91	SHORT	0		
R993	1-216-089-91	RES,CHIP	47K	5%	1/10W
R994	1-216-033-00	RES,CHIP	220	5%	1/10W
R995	1-216-033-00	RES,CHIP	220	5%	1/10W
R996	1-216-037-00	RES,CHIP	330	5%	1/10W
R997	1-216-037-00	RES,CHIP	330	5%	1/10W
R998	1-216-073-00	RES,CHIP	10K	5%	1/10W
R2801	1-216-629-11	METAL CHIP	120	0.50%	1/10W
R2802	1-216-623-11	METAL CHIP	68	0.50%	1/10W
R2803	1-216-603-11	METAL CHIP	10	0.50%	1/10W
R2804	1-216-627-91	METAL CHIP	100	0.50%	1/10W
R2805	1-216-623-91	METAL CHIP	68	0.50%	1/10W
R2806	1-216-611-11	METAL CHIP	22	0.50%	1/10W
R2809	1-216-295-91	SHORT	0		
R2810	1-216-295-91	SHORT	0		
R2813	1-216-295-91	SHORT	0		
R2815	1-216-295-91	SHORT	0		
R2817	1-216-295-91	SHORT	0		
R2818	1-216-295-91	SHORT	0		

REF. NO.	PART.NO	DESCRIPTION	REMARK
R2820	1-216-295-91	SHORT 0	
R2822	1-216-295-91	SHORT 0	
		< RESISTOR NETWORK >	
RB001	1-239-412-11	NETWORK RESISTOR (CHIP) 100	
RB002	1-239-412-11	NETWORK RESISTOR (CHIP) 100	
RB003	1-239-412-11	NETWORK RESISTOR (CHIP) 100	
RB004	1-239-412-11	NETWORK RESISTOR (CHIP) 100	
RB005	1-239-412-11	NETWORK RESISTOR (CHIP) 100	
RB006	1-239-412-11	NETWORK RESISTOR (CHIP) 100	
RB007	1-239-414-11	NETWORK RESISTOR (CHIP) 150	
RB008	1-239-414-11	NETWORK RESISTOR (CHIP) 150	
RB009	1-239-414-11	NETWORK RESISTOR (CHIP) 150	
RB010	1-239-414-11	NETWORK RESISTOR (CHIP) 150	
RB011	1-239-414-11	NETWORK RESISTOR (CHIP) 150	
RB012	1-239-414-11	NETWORK RESISTOR (CHIP) 150	
RB013	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
RB014	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
RB015	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
RB016	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
RB017	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
RB018	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
RB019	1-239-409-11	NETWORK RESISTOR (CHIP) 47	
RB020	1-239-409-11	NETWORK RESISTOR (CHIP) 47	
RB021	1-239-409-11	NETWORK RESISTOR (CHIP) 47	
RB022	1-239-409-11	NETWORK RESISTOR (CHIP) 47	
RB023	1-239-409-11	NETWORK RESISTOR (CHIP) 47	
RB024	1-239-409-11	NETWORK RESISTOR (CHIP) 47	
RB025	1-239-409-11	NETWORK RESISTOR (CHIP) 47	
RB026	1-239-409-11	NETWORK RESISTOR (CHIP) 47	
RB027	1-239-409-11	NETWORK RESISTOR (CHIP) 47	
RB301	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
RB302	1-239-621-11	NETWORK RESISTOR (CHIP) 22	
		< CRYSTAL >	
X702	1-781-694-21	VIBRATOR, CRYSTAL	
X801	1-781-649-21	OSCILLATOR, CRYSTAL	
X802	1-781-650-21	VIBRATOR, CRYSTAL	

*A-1620-125-A BK Board, Complete

REF. NO.	PART.NO	DESCRIPTION	REMARK
		< CAPACITOR >	
C300	1-164-222-11	CERAMIC CHIP 0.22MF 25V	
C301	1-164-222-11	CERAMIC CHIP 0.22MF 25V	
C302	1-164-222-11	CERAMIC CHIP 0.22MF 25V	
C303	1-164-222-11	CERAMIC CHIP 0.22MF 25V	
C304	1-164-222-11	CERAMIC CHIP 0.22MF 25V	
C305	1-104-664-11	ELECT 47MF 20% 16V	
C306	1-104-664-11	ELECT 47MF 20% 16V	
C307	1-104-664-11	ELECT 47MF 20% 16V	
C308	1-126-933-11	ELECT 100MF 20% 16V	
C309	1-163-038-91	CERAMIC CHIP 0.1MF 25V	
C310	1-163-038-91	CERAMIC CHIP 0.1MF 25V	
C311	1-163-259-91	CERAMIC CHIP 220PF 5% 50V	
C312	1-163-259-91	CERAMIC CHIP 220PF 5% 50V	
C313	1-163-259-91	CERAMIC CHIP 220PF 5% 50V	
C314	1-163-259-91	CERAMIC CHIP 220PF 5% 50V	
C317	1-163-038-91	CERAMIC CHIP 0.1MF 25V	
C320	1-104-664-11	ELECT 47MF 20% 16V	
C321	1-104-664-11	ELECT 47MF 20% 16V	
C322	1-104-664-11	ELECT 47MF 20% 16V	
C323	1-163-038-91	CERAMIC CHIP 0.1MF 25V	
C324	1-163-038-91	CERAMIC CHIP 0.1MF 25V	
C325	1-163-038-91	CERAMIC CHIP 0.1MF 25V	
C326	1-163-105-00	CERAMIC CHIP 33PF 5% 50V	
C327	1-163-105-00	CERAMIC CHIP 33PF 5% 50V	
C328	1-163-105-00	CERAMIC CHIP 33PF 5% 50V	
C329	1-163-038-91	CERAMIC CHIP 0.1MF 25V	
C330	1-104-664-11	ELECT 47MF 20% 16V	
C331	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C332	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C333	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C334	1-164-690-91	CERAMIC CHIP 0.0022MF 5% 50V	
C335	1-104-664-11	ELECT 47MF 20% 16V	
C336	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C337	1-164-004-91	CERAMIC CHIP 0.1MF 10% 25V	
C338	1-104-664-11	ELECT 47MF 20% 16V	
C340	1-107-823-11	CERAMIC CHIP 0.47MF 10% 16V	
C341	1-164-505-11	CERAMIC CHIP 2.2MF 16V	
C342	1-104-664-11	ELECT 47MF 20% 16V	
C344	1-104-664-11	ELECT 47MF 20% 16V	
C347	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C348	1-163-038-91	CERAMIC CHIP 0.1MF 25V	
C349	1-104-664-11	ELECT 47MF 20% 50V	
C350	1-104-664-11	ELECT 47MF 20% 16V	
C351	1-163-038-91	CERAMIC CHIP 0.1MF 25V	
C352	1-104-664-11	ELECT 47MF 20% 16V	
C353	1-163-237-91	CERAMIC CHIP 27PF 5% 50V	
C354	1-163-241-11	CERAMIC CHIP 39PF 5% 50V	
C355	1-163-021-91	CERAMIC CHIP 0.01MF 10% 50V	
		< CONNECTOR >	
CN301	1-695-301-11	CONNECTOR, BOARD TO BOARD 40P	

BK

REF. NO.	PART.NO	DESCRIPTION	REMARK
		< DIODE >	
D301	8-719-063-73	DIODE D1NL20U-TR	
D302	8-719-063-73	DIODE D1NL20U-TR	
		< FILTER >	
FL300	1-234-479-11	FILTER, LOW PASS	
FL301	1-236-071-11	ENCAPSULATED COMPONENT	
		< IC >	
IC300	8-752-067-36	IC CXA1815S	
IC301	8-759-542-15	IC TDA9178	
IC302	8-759-337-26	IC MM1115XFBE	
		< COIL >	
L300	1-414-183-41	INDUCTOR 10UH	
L301	1-410-435-21	INDUCTOR 220UH	
L302	1-410-435-21	INDUCTOR 220UH	
L303	1-410-427-11	INDUCTOR 47UH	
L304	1-410-427-11	INDUCTOR 47UH	
L321	1-216-295-91	SHORT 0	
L322	1-216-295-91	SHORT 0	
L323	1-216-295-91	SHORT 0	
		< TRANSISTOR >	
Q300	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q301	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q302	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q306	8-729-902-21	TRANSISTOR 2SA1037K	
Q307	8-729-902-21	TRANSISTOR 2SA1037K	
Q308	8-729-902-21	TRANSISTOR 2SA1037K	
Q309	8-729-902-21	TRANSISTOR 2SA1037K	
Q316	8-729-902-21	TRANSISTOR 2SA1037K	
Q318	8-729-902-21	TRANSISTOR 2SA1037K	
Q319	8-729-902-21	TRANSISTOR 2SA1037K	
Q320	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q322	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q323	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q325	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q327	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q328	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q329	8-729-027-59	TRANSISTOR DTC144EKA	
Q330	8-729-027-59	TRANSISTOR DTC144EKA	
Q331	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q332	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q333	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q334	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q335	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q337	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q339	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q340	8-729-216-22	TRANSISTOR 2SA1162-G	
Q341	8-729-216-22	TRANSISTOR 2SA1162-G	
Q343	8-729-216-22	TRANSISTOR 2SA1162-G	
Q345	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q346	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
		< RESISTOR >	
R301	1-216-017-91	RES,CHIP 47 5% 1/10W	
R302	1-216-043-91	RES,CHIP 560 5% 1/10W	
R303	1-216-045-00	RES,CHIP 680 5% 1/10W	
R304	1-216-045-00	RES,CHIP 680 5% 1/10W	
R305	1-216-047-91	RES,CHIP 820 5% 1/10W	
R306	1-216-037-00	RES,CHIP 330 5% 1/10W	
R307	1-216-037-00	RES,CHIP 330 5% 1/10W	
R311	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R315	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R316	1-216-663-11	METAL CHIP 3.3K 0.50% 1/10W	
R317	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R318	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R321	1-216-041-00	RES,CHIP 470 5% 1/10W	
R322	1-216-041-00	RES,CHIP 470 5% 1/10W	
R323	1-216-041-00	RES,CHIP 470 5% 1/10W	
R325	1-216-025-91	RES,CHIP 100 5% 1/10W	
R329	1-216-025-91	RES,CHIP 100 5% 1/10W	
R330	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R331	1-216-025-91	RES,CHIP 100 5% 1/10W	
R332	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R333	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R334	1-216-017-91	RES,CHIP 47 5% 1/10W	
R335	1-216-017-91	RES,CHIP 47 5% 1/10W	
R336	1-216-017-91	RES,CHIP 47 5% 1/10W	
R337	1-216-017-91	RES,CHIP 47 5% 1/10W	
R338	1-216-017-91	RES,CHIP 47 5% 1/10W	
R339	1-216-017-91	RES,CHIP 47 5% 1/10W	
R340	1-216-017-91	RES,CHIP 47 5% 1/10W	
R341	1-216-017-91	RES,CHIP 47 5% 1/10W	
R342	1-216-025-91	RES,CHIP 100 5% 1/10W	
R343	1-216-025-91	RES,CHIP 100 5% 1/10W	
R344	1-216-017-91	RES,CHIP 47 5% 1/10W	
R345	1-216-017-91	RES,CHIP 47 5% 1/10W	
R346	1-216-017-91	RES,CHIP 47 5% 1/10W	
R347	1-216-017-91	RES,CHIP 47 5% 1/10W	
R348	1-216-017-91	RES,CHIP 47 5% 1/10W	
R349	1-216-017-91	RES,CHIP 47 5% 1/10W	
R350	1-216-017-91	RES,CHIP 47 5% 1/10W	

The components identified by shading and marked ⚠ are critical for safety
Replace only with the part number specified.

BK **F**

REF. NO.	PART.NO	DESCRIPTION			REMARK
R351	1-216-025-91	RES,CHIP	100	5%	1/10W
R352	1-216-025-91	RES,CHIP	100	5%	1/10W
R353	1-216-049-91	RES,CHIP	1K	5%	1/10W
R354	1-216-017-91	RES,CHIP	47	5%	1/10W
R355	1-216-017-91	RES,CHIP	47	5%	1/10W
R356	1-216-049-91	RES,CHIP	1K	5%	1/10W
R357	1-216-017-91	RES,CHIP	47	5%	1/10W
R358	1-216-049-91	RES,CHIP	1K	5%	1/10W
R359	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R360	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R361	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R362	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R363	1-216-665-11	METAL CHIP	3.9K	0.50%	1/10W
R364	1-216-049-91	RES,CHIP	1K	5%	1/10W
R366	1-216-049-91	RES,CHIP	1K	5%	1/10W
R367	1-216-041-00	RES,CHIP	470	5%	1/10W
R368	1-216-039-91	RES,CHIP	390	5%	1/10W
R369	1-216-037-91	METAL CHIP	330	0.50%	1/10W
R371	1-216-035-00	RES,CHIP	270	5%	1/10W
R372	1-216-049-91	RES,CHIP	1K	5%	1/10W
R373	1-216-037-00	RES,CHIP	330	5%	1/10W
R374	1-216-035-00	RES,CHIP	270	5%	1/10W
R375	1-216-049-91	RES,CHIP	1K	5%	1/10W
R376	1-216-049-91	RES,CHIP	1K	5%	1/10W
R378	1-216-095-00	RES,CHIP	82K	5%	1/10W
R379	1-216-089-91	RES,CHIP	47K	5%	1/10W
R380	1-216-089-91	RES,CHIP	47K	5%	1/10W
R381	1-216-097-91	RES,CHIP	100K	5%	1/10W
R384	1-216-073-00	RES,CHIP	10K	5%	1/10W
R385	1-216-025-91	RES,CHIP	100	5%	1/10W
R386	1-216-041-00	RES,CHIP	470	5%	1/10W
R387	1-216-041-00	RES,CHIP	470	5%	1/10W
R389	1-216-081-00	RES,CHIP	22K	5%	1/10W
R390	1-216-081-00	RES,CHIP	22K	5%	1/10W
R391	1-216-041-00	RES,CHIP	470	5%	1/10W
R392	1-216-025-91	RES,CHIP	100	5%	1/10W
R393	1-216-041-00	RES,CHIP	470	5%	1/10W
R394	1-216-043-91	RES,CHIP	560	5%	1/10W
R397	1-216-081-00	RES,CHIP	22K	5%	1/10W
R398	1-216-081-00	RES,CHIP	22K	5%	1/10W
R399	1-216-041-00	RES,CHIP	470	5%	1/10W
R400	1-216-025-91	RES,CHIP	100	5%	1/10W
R401	1-216-081-00	RES,CHIP	22K	5%	1/10W
R402	1-216-089-91	RES,CHIP	47K	5%	1/10W
R403	1-216-041-00	RES,CHIP	470	5%	1/10W
R404	1-216-041-00	RES,CHIP	470	5%	1/10W
R407	1-216-041-00	RES,CHIP	470	5%	1/10W
R408	1-216-295-91	SHORT	0		
R411	1-216-049-91	RES,CHIP	1K	5%	1/10W
R413	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R414	1-216-295-91	SHORT	0		
R415	1-216-647-11	METAL CHIP	680	0.50%	1/10W
R417	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R418	1-216-025-91	RES,CHIP	100	5%	1/10W
R421	1-216-049-91	RES,CHIP	1K	5%	1/10W
R422	1-216-295-91	SHORT	0		
R423	1-216-029-00	RES,CHIP	150	5%	1/10W
R424	1-216-039-00	RES,CHIP	390	5%	1/10W
R425	1-216-041-00	RES,CHIP	470	5%	1/10W
R426	1-216-035-00	RES,CHIP	270	5%	1/10W
R427	1-216-035-00	RES,CHIP	270	5%	1/10W
R428	1-216-045-91	RES,CHIP	680	5%	1/10W
R429	1-216-045-91	RES,CHIP	680	5%	1/10W
R430	1-216-045-00	RES,CHIP	680	5%	1/10W
R431	1-216-033-00	RES,CHIP	220	5%	1/10W
R432	1-216-067-91	RES,CHIP	5.6K	5%	1/10W
R433	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
R435	1-216-051-00	RES,CHIP	1.2K	5%	1/10W
R436	1-216-025-91	RES,CHIP	100	5%	1/10W
R437	1-216-051-91	RES,CHIP	1.2K	5%	1/10W

*A-1624-081-A F Board, Complete

*4-203-258-11 HOLDER, LED

< CAPACITOR >

C7125	1-126-969-11	ELECT	220MF	20%	50V

< CONNECTOR >

CN7100	*1-568-879-11	PIN, CONNECTOR 4P
CN7600 ⚠	*1-691-291-11	PIN, CONNECTOR (PC BOARD) 5P
CN7644 ⚠	*1-580-844-11	PIN, CONNECTOR (POWER)

< DIODE >

D7125	8-719-030-11	DIODE SLA-570KT3F

< IC >

IC7125	8-749-014-59	IC TSOP1740KS1

< RESISTOR >

R7125	1-247-815-91	CARBON	220	5%	1/4W
R7126	1-249-411-11	CARBON	330	5%	1/4W

The components identified by shading and marked ⚠ are critical for safety
Replace only with the part number specified.

REF. NO.	PART.NO	DESCRIPTION	REMARK
		< SWITCH >	
S7601	⚠ 1-571-433-31	SWITCH, PUSH (AC POWER)	

*A-1624-082-A F1 Board, Complete

	*4-374-846-01	COVER, CAPACITOR, CAP TYPE	
		< CAPACITOR >	
C7626	⚠ 1-136-519-12	FILM 0.47MF 20%	300V
		< CONNECTOR >	
CN7611	⚠ *1-580-844-11	PIN, CONNECTOR (POWER)	
CN7622	1-695-915-11	TAB (CONTACT)	
CN7633	⚠ *1-580-843-11	PIN, CONNECTOR (POWER)	
CN7644	1-695-915-11	TAB (CONTACT)	
		< FUSE >	
F7626	⚠ 1-576-233-11	FUSE (H.B.C.) 5A/250V	
	⚠ *1-533-725-11	HOLDER, FUSE (F7626)	
		< RESISTOR >	
R7626	⚠ 1-202-885-91	SOLID 1M 20%	1/2W
		< TRANSFORMER >	
LF7626	⚠ 1-433-488-11	TRANSFORMER, LINE FILTER	
LF7627	⚠ 1-433-488-11	TRANSFORMER, LINE FILTER	
		< VARISTOR >	
VD7626	⚠ 1-801-073-31	VARISTOR ERZV14D471	

*A-1631-053-A A Board, Complete

	0-758-405-00	PWB, A	
	4-382-854-11	SCREW (M3X10), P, SW (+)	
	*4-931-401-01	HEAT SINK, V.OUT	
		< CAPACITOR >	
C1100	1-104-664-11	ELECT 47MF 20%	25V
C1101	1-126-943-11	ELECT 2200MF 20%	25V
C1126	1-162-568-11	CERAMIC CHIP 0.33MF 10%	16V
C1127	1-137-194-81	MYLAR 0.47MF 5%	50V
C1128	1-163-135-00	CERAMIC CHIP 560PF 5%	50V
C1129	1-115-339-11	CERAMIC CHIP 0.1MF 10%	50V
C1130	1-163-017-00	CERAMIC CHIP 0.0047MF 10%	50V
C1131	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C1132	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C1133	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C1134	1-126-961-11	ELECT 2.2MF 20%	50V
C1135	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C1136	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C1137	1-126-953-11	ELECT 2200MF 20%	35V
C1138	1-126-953-11	ELECT 2200MF 20%	35V
C1140	1-111-216-91	ELECT 150MF 20%	63V
C1141	1-164-505-11	CERAMIC CHIP 2.2MF	16V
C1151	1-162-568-11	CERAMIC CHIP 0.33MF 10%	16V
C1152	1-137-194-81	MYLAR 0.47MF 5%	50V
C1153	1-163-135-00	CERAMIC CHIP 560PF 5%	50V
C1154	1-115-339-11	CERAMIC CHIP 0.1MF 10%	50V
C1155	1-163-017-00	CERAMIC CHIP 0.0047MF 10%	50V
C1156	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C1157	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C1158	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C1159	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C1160	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C1162	1-111-216-91	ELECT 150MF 20%	63V
C1163	1-164-505-11	CERAMIC CHIP 2.2MF	16V
C1176	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C1177	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C1178	1-126-964-11	ELECT 10MF 20%	50V
C1179	1-126-964-11	ELECT 10MF 20%	50V
C1180	1-126-952-11	ELECT 1000MF 20%	35V
C1181	1-126-952-11	ELECT 1000MF 20%	35V
C1182	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C1183	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C1184	1-107-823-11	CERAMIC CHIP 0.47MF 10%	16V
C1185	1-107-823-11	CERAMIC CHIP 0.47MF 10%	16V
C1226	1-104-661-91	ELECT 330MF 20%	16V
C1227	1-164-505-11	CERAMIC CHIP 2.2MF	16V
C1300	1-126-933-11	ELECT 100MF 20%	16V
C1301	1-163-059-91	CERAMIC CHIP 0.01MF 10%	50V
C1326	1-163-059-91	CERAMIC CHIP 0.01MF 10%	50V
C1327	1-126-934-11	ELECT 220MF 20%	10V
C1328	1-163-117-00	CERAMIC CHIP 100PF 5%	50V
C1350	1-163-059-91	CERAMIC CHIP 0.01MF 10%	50V
C1351	1-126-934-11	ELECT 220MF 20%	10V
C1601	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C1603	1-126-933-11	ELECT 100MF 20%	16V
C1605	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C1610	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C1611	1-126-933-11	ELECT 100MF 20%	16V
C1612	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C1613	1-126-933-11	ELECT 100MF 20%	16V
C1615	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C1617	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V

REF. NO.	PART.NO	DESCRIPTION	REMARK
C1630	1-126-925-11	ELECT 470MF 20% 10V	
C1631	1-126-925-11	ELECT 470MF 20% 10V	
C1632	1-136-495-11	MYLAR 0.068MF 5% 50V	
C1633	1-136-495-11	MYLAR 0.068MF 5% 50V	
C1636	1-126-916-11	ELECT 1000MF 20% 6.3V	
C1637	1-126-916-11	ELECT 1000MF 20% 6.3V	
C1638	1-126-935-11	ELECT 470MF 20% 6.3V	
C1639	1-126-935-11	ELECT 470MF 20% 6.3V	
		< CONNECTOR >	
CN1111	*1-564-520-11	PLUG, CONNECTOR 5P	
CN1200	1-695-299-11	CONNECTOR, BOARD TO BOARD 50P	
CN1301	1-695-298-11	CONNECTOR, BOARD TO BOARD 40P	
CN1401	1-695-298-11	CONNECTOR, BOARD TO BOARD 40P	
CN1600	1-900-903-64	CONNECTOR ASSY 20P	
CN1601	1-900-903-64	CONNECTOR ASSY 20P	
CN1602	1-900-903-64	CONNECTOR ASSY 20P	
CN1666	1-695-915-11	TAB (CONTACT)	
CN1700	*1-568-879-11	PIN, CONNECTOR 4P	
CN1701	1-573-296-11	CONNECTOR, BOARD TO BOARD 10P	
CN1702	*1-568-880-51	PIN, CONNECTOR 5P	
CN1703	1-764-334-11	PLUG, CONNECTOR 11P	
CN1801	1-695-299-11	CONNECTOR, BOARD TO BOARD 50P	
CN1811	1-695-915-11	TAB (CONTACT)	
CN1901	1-695-298-11	CONNECTOR, BOARD TO BOARD 40P	
		< COMPOSITION CIRCUIT BLOCK >	
CP1300	1-251-658-11	SPLITTER RF	
		< DIODE >	
D1100	8-719-914-43	DIODE DAN202K	
D1101	8-719-914-44	DIODE DAP202K	
D1102	8-719-914-43	DIODE DAN202K	
D1103	8-719-914-43	DIODE DAN202K	
D1104	8-719-914-43	DIODE DAN202K	
D1201	8-719-976-96	DIODE DTZ4.7C	
D1401	8-719-056-82	DIODE UDZ-TE-17-6.2B	
D1402	8-719-056-82	DIODE UDZ-TE-17-6.2B	
D1403	8-719-056-82	DIODE UDZ-TE-17-6.2B	
D1404	8-719-056-82	DIODE UDZ-TE-17-6.2B	
D1405	8-719-914-44	DIODE DAP202K	
D1406	8-719-914-43	DIODE DAN202K	
D1407	8-719-158-15	DIODE RD5.6SB	
D1408	8-719-158-15	DIODE RD5.6SB	
D1601	8-719-056-83	DIODE UDZ-TE-17-6.8B	
D1602	8-729-914-47	DIODE DAN202K	
D1626	8-719-914-43	DIODE DAN202K	
D1627	8-719-914-43	DIODE DAN202K	
D1630	8-719-500-70	DIODE D5S4M	
D1631	8-719-500-70	DIODE D5S4M	
		< FERRITE BEAD >	
FB1126	1-535-143-61	LEAD,JUMPER (5.0MM)	
FB1127	1-410-397-21	FERRITE 1.1UH	
FB1151	1-535-303-00	LEAD,JUMPER (5.0MM)	
FB1152	1-410-397-21	FERRITE 1.1UH	
FB1401	1-414-234-22	INDUCTOR CHIP 0UH	
FB1630	1-535-143-61	LEAD,JUMPER (5.0MM)	
FB1631	1-535-143-61	LEAD,JUMPER (5.0MM)	
FB1901	1-414-553-11	FERRITE 0UH	
FB1903	1-414-553-11	FERRITE 0UH	
FB1904	1-414-553-11	FERRITE 0UH	
FB1905	1-414-553-11	FERRITE 0UH	
FB1906	1-414-553-11	FERRITE 0UH	
FB1907	1-414-553-11	FERRITE 0UH	
		< IC >	
IC1126	8-759-544-25	IC TDA7482	
IC1151	8-759-544-25	IC TDA7482	
IC1176	8-759-333-24	IC LM1876TF	
IC1400	8-752-072-94	IC CXA1875AM-T4	
IC1601	8-759-574-76	IC KA78R05-SYDTU	
IC1604	8-759-544-13	IC KA78R09TU	
IC1605	8-759-574-76	IC KA78R05-SYDTU	
IC1630	8-759-640-19	IC PQ1CG2032F2	
IC1631	8-759-640-19	IC PQ1CG2032F2	
		< COIL >	
L1126	1-416-857-11	INDUCTOR 65UH	
L1127	1-414-158-11	INDUCTOR 2.2UH	
L1128	1-414-158-11	INDUCTOR 2.2UH	
L1151	1-416-857-11	INDUCTOR 65UH	
L1152	1-414-158-11	INDUCTOR 2.2UH	
L1153	1-414-158-11	INDUCTOR 2.2UH	
L1300	1-414-183-41	INDUCTOR 10UH	
L1326	1-414-183-41	INDUCTOR 10UH	
L1350	1-414-183-41	INDUCTOR 10UH	
L1634	1-412-525-31	INDUCTOR 10UH	
L1635	1-412-525-31	INDUCTOR 10UH	
		< TRANSISTOR >	
Q1100	8-729-902-21	TRANSISTOR 2SA1037K	
Q1101	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q1201	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	

A

REF. NO.	PART.NO	DESCRIPTION	REMARK
Q1202	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q1204	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q1226	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q1227	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q1229	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q1300	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q1326	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q1327	8-729-902-81	TRANSISTOR 2SA1037K	
Q1328	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q1329	8-729-902-21	TRANSISTOR 2SA1037K	
Q1350	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q1351	8-729-902-21	TRANSISTOR 2SA1037K	
Q1400	8-729-046-47	TRANSISTOR KSC2500-BTA	
Q1601	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
Q1626	8-729-901-81	TRANSISTOR 2SC2412K-T-146-R	
		< RESISTOR >	
JR1203	1-216-296-91	SHORT 0	
JR1221	1-216-295-91	SHORT 0	
JR1222	1-216-295-91	SHORT 0	
JR1223	1-216-295-91	SHORT 0	
R1100	1-216-025-91	RES,CHIP 100 5% 1/10W	
R1101	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R1102	1-216-087-91	RES,CHIP 2.2K 5% 1/10W	
R1103	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R1104	1-216-296-91	SHORT 0	
R1126	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R1127	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R1128	1-216-041-00	RES,CHIP 470 5% 1/10W	
R1151	1-216-631-11	METAL CHIP 150 0.50% 1/10W	
R1152	1-216-075-00	RES,CHIP 12K 5% 1/10W	
R1153	1-216-041-00	RES,CHIP 470 5% 1/10W	
R1176	1-216-063-91	RES,CHIP 3.9K 5% 1/10W	
R1177	1-216-063-91	RES,CHIP 3.9K 5% 1/10W	
R1178	1-216-357-00	METAL OXIDE 4.7 5% 1W F	
R1179	1-216-357-00	METAL OXIDE 4.7 5% 1W F	
R1180	1-216-081-00	RES,CHIP 22K 5% 1/10W	
R1181	1-216-045-00	RES,CHIP 680 5% 1/10W	
R1182	1-216-081-00	RES,CHIP 22K 5% 1/10W	
R1183	1-216-045-00	RES,CHIP 680 5% 1/10W	
R1184	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R1185	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R1201	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R1202	1-216-083-00	RES,CHIP 27K 5% 1/10W	
R1203	1-216-083-00	RES,CHIP 27K 5% 1/10W	
R1204	1-216-071-00	RES,CHIP 8.2K 5% 1/10W	
R1205	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R1206	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R1208	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R1209	1-216-065-91	RES,CHIP 4.7K 5% 1/10W	
R1210	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R1226	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R1227	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R1228	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R1229	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R1230	1-216-055-00	RES,CHIP 1.8K 5% 1/10W	
R1232	1-216-295-91	SHORT 0	
R1233	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R1300	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R1301	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R1326	1-216-025-91	RES,CHIP 100 5% 1/10W	
R1327	1-216-025-91	RES,CHIP 100 5% 1/10W	
R1328	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R1329	1-216-025-91	RES,CHIP 100 5% 1/10W	
R1330	1-216-041-00	RES,CHIP 470 5% 1/10W	
R1331	1-216-041-00	RES,CHIP 470 5% 1/10W	
R1332	1-216-041-00	RES,CHIP 470 5% 1/10W	
R1333	1-216-075-00	RES,CHIP 12K 5% 1/10W	
R1334	1-216-069-00	RES,CHIP 6.8K 5% 1/10W	
R1335	1-216-025-91	RES,CHIP 100 5% 1/10W	
R1336	1-216-041-00	RES,CHIP 470 5% 1/10W	
R1337	1-216-041-00	RES,CHIP 470 5% 1/10W	
R1338	1-216-001-00	RES,CHIP 10 5% 1/10W	
R1339	1-216-041-00	RES,CHIP 470 5% 1/10W	
R1340	1-216-043-91	RES,CHIP 560 5% 1/10W	
R1342	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R1350	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R1351	1-216-025-91	RES,CHIP 100 5% 1/10W	
R1352	1-216-025-91	RES,CHIP 100 5% 1/10W	
R1353	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R1354	1-216-025-91	RES,CHIP 100 5% 1/10W	
R1355	1-216-041-00	RES,CHIP 470 5% 1/10W	
R1356	1-216-041-00	RES,CHIP 470 5% 1/10W	
R1357	1-216-041-00	RES,CHIP 470 5% 1/10W	
R1400	1-216-053-00	RES,CHIP 1.5K 5% 1/10W	
R1401	1-216-081-00	RES,CHIP 22K 5% 1/10W	
R1405	1-216-025-91	RES,CHIP 100 5% 1/10W	
R1406	1-216-025-91	RES,CHIP 100 5% 1/10W	
R1407	1-216-025-91	RES,CHIP 100 5% 1/10W	
R1408	1-216-025-91	RES,CHIP 100 5% 1/10W	
R1409	1-216-025-91	RES,CHIP 100 5% 1/10W	
R1410	1-216-025-91	RES,CHIP 100 5% 1/10W	
R1411	1-216-295-91	SHORT 0	

REF. NO.	PART.NO	DESCRIPTION			REMARK
R1412	1-216-295-91	SHORT	0		
R1413	1-216-025-91	RES,CHIP	100	5%	1/10W
R1416	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1420	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1425	1-216-025-91	RES,CHIP	100	5%	1/10W
R1601	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R1602	1-216-691-11	METAL CHIP	47K	0.50%	1/10W
R1603	1-216-025-91	RES,CHIP	100	5%	1/10W
R1609	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1610	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1611	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1612	1-216-073-91	RES,CHIP	10K	5%	1/10W
R1613	1-216-073-91	RES,CHIP	10K	5%	1/10W
R1617	1-216-295-91	SHORT	0		
R1618	1-216-295-91	SHORT	0		
R1630	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1631	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1632	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R1633	1-216-652-11	METAL CHIP	1.1K	0.50%	1/10W
R1634	1-216-650-11	METAL CHIP	910	0.50%	1/10W
R1635	1-216-656-11	METAL CHIP	1.6K	0.50%	1/10W
		< TUNER >			
TU1326	1-693-340-21	TUNER/VIF			
TU1350	1-693-340-21	TUNER/VIF			

*A-1634-050-A M Board, Complete

		< CAPACITOR >			
C9100	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
C9101	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C9102	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C9104	1-104-664-11	ELECT	47MF	20%	25V
C9105	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C9110	1-165-321-11	CERAMIC CHIP	0.68MF	10%	16V
C9111	1-164-157-11	CERAMIC CHIP	0.068MF	10%	25V
C9112	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C9113	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C9114	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C9115	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
C9117	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C9118	1-104-664-11	ELECT	47MF	20%	25V
C9119	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C9121	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C9122	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
C9123	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C9124	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C9125	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C9126	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C9127	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C9128	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C9129	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C9130	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C9131	1-163-105-00	CERAMIC CHIP	33PF	5%	50V
C9132	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C9400	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
C9500	1-104-664-11	ELECT	47MF	20%	25V
C9502	1-104-664-11	ELECT	47MF	20%	25V
C9503	1-126-964-11	ELECT	10MF	20%	50V
C9504	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C9505	1-104-665-11	ELECT	100MF	20%	25V
C9506	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C9507	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
C9508	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
C9509	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C9510	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
C9511	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C9512	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C9513	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C9514	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C9515	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C9516	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C9517	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C9518	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
C9519	1-126-964-11	ELECT	10MF	20%	50V
C9520	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
		< CONNECTOR >			
CN9101	1-695-301-11	CONNECTOR, BOARD TO BOARD 40P			
		< DIODE >			
D9100	8-719-988-61	DIODE 1SS355TE-17			
D9101	8-719-988-61	DIODE 1SS355TE-17			
D9102	8-719-988-61	DIODE 1SS355TE-17			
D9103	8-719-988-61	DIODE 1SS355TE-17			
D9104	8-719-056-83	DIODE UDZ-TE-17-6.8B			
D9105	8-719-914-43	DIODE DAN202K			
D9107	8-719-025-31	DIODE 02CZ5.6-TE85L			
		< FILTER >			
FL9101	1-236-071-11	ENCAPSULATED COMPONENT			
FL9500	1-236-071-11	ENCAPSULATED COMPONENT			
FL9501	1-236-071-11	ENCAPSULATED COMPONENT			

M

REF. NO.	PART.NO	DESCRIPTION	REMARK
		< IC >	
IC9100	8-759-988-13	IC LM393PS	
IC9104	8-759-259-18	IC MB3793-42PNF	
IC9105	8-759-544-30	IC SAB-C161R1-LM	
IC9107	8-759-395-27	IC TC55257DFTL-70V	
IC9108	8-759-531-64	IC M24C32-BN6	
IC9109	8-759-544-32	IC M27C800-100K1	
IC9110	8-759-559-96	IC HEF4094BT	
IC9400	8-759-481-78	IC M29F040-120N1	
IC9500	8-759-034-47	IC MC74F00M-T2	
IC9501	8-759-483-52	IC HYB514400BJ-60	
IC9502	8-759-665-84	IC SDA5275-3PC02-22	
		< COIL >	
L9400	1-412-029-11	INDUCTOR CHIP 10UH	
L9401	1-412-029-11	INDUCTOR CHIP 10UH	
		< TRANSISTOR >	
Q9100	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q9101	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q9102	8-729-902-21	TRANSISTOR 2SA1037K	
Q9103	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q9105	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q9106	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q9107	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q9108	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q9109	8-729-027-46	TRANSISTOR DTC114YKA-T146	
Q9110	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q9500	8-729-902-21	TRANSISTOR 2SA1037K	
Q9501	8-729-902-21	TRANSISTOR 2SA1037K	
Q9502	8-729-902-21	TRANSISTOR 2SA1037K	
Q9503	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q9504	1-801-806-11	TRANSISTOR DTC144EKA-T146	
		< RESISTOR >	
R9100	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R9101	1-216-033-00	RES,CHIP 220 5% 1/10W	
R9102	1-216-033-00	RES,CHIP 220 5% 1/10W	
R9103	1-216-025-91	RES,CHIP 100 5% 1/10W	
R9104	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R9105	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R9107	1-216-025-91	RES,CHIP 100 5% 1/10W	
R9108	1-216-025-91	RES,CHIP 100 5% 1/10W	
R9109	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R9110	1-216-081-00	RES,CHIP 22K 5% 1/10W	
R9111	1-216-025-91	RES,CHIP 100 5% 1/10W	
R9112	1-216-025-91	RES,CHIP 100 5% 1/10W	
R9113	1-216-033-00	RES,CHIP 220 5% 1/10W	
R9114	1-216-083-00	RES,CHIP 27K 5% 1/10W	
R9115	1-216-081-00	RES,CHIP 22K 5% 1/10W	
R9116	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R9117	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R9119	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R9120	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R9121	1-216-017-91	RES,CHIP 47 5% 1/10W	
R9122	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R9123	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R9127	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R9138	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R9140	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R9141	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R9142	1-216-041-00	RES,CHIP 470 5% 1/10W	
R9143	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R9144	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R9145	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R9146	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R9147	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R9148	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R9149	1-216-025-91	RES,CHIP 100 5% 1/10W	
R9150	1-216-025-91	RES,CHIP 100 5% 1/10W	
R9151	1-216-025-91	RES,CHIP 100 5% 1/10W	
R9153	1-216-025-91	RES,CHIP 100 5% 1/10W	
R9159	1-216-069-00	RES,CHIP 6.8K 5% 1/10W	
R9161	1-216-069-00	RES,CHIP 6.8K 5% 1/10W	
R9162	1-216-069-00	RES,CHIP 6.8K 5% 1/10W	
R9164	1-216-069-00	RES,CHIP 6.8K 5% 1/10W	
R9166	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R9168	1-216-069-00	RES,CHIP 6.8K 5% 1/10W	
R9169	1-216-069-00	RES,CHIP 6.8K 5% 1/10W	
R9172	1-216-069-00	RES,CHIP 6.8K 5% 1/10W	
R9173	1-216-295-91	SHORT 0	
R9174	1-216-025-91	RES,CHIP 100 5% 1/10W	
R9175	1-216-025-91	RES,CHIP 100 5% 1/10W	
R9176	1-216-025-91	RES,CHIP 100 5% 1/10W	
R9177	1-216-025-91	RES,CHIP 100 5% 1/10W	
R9178	1-216-025-91	RES,CHIP 100 5% 1/10W	
R9184	1-216-025-91	RES,CHIP 100 5% 1/10W	
R9185	1-216-025-91	RES,CHIP 100 5% 1/10W	
R9186	1-216-025-91	RES,CHIP 100 5% 1/10W	
R9187	1-216-065-91	RES,CHIP 4.7K 5% 1/10W	
R9188	1-216-025-91	RES,CHIP 100 5% 1/10W	
R9189	1-216-025-91	RES,CHIP 100 5% 1/10W	
R9190	1-216-025-91	RES,CHIP 100 5% 1/10W	

REF. NO.	PART.NO	DESCRIPTION			REMARK
R9191	1-216-025-91	RES,CHIP	100	5%	1/10W
R9192	1-216-025-91	RES,CHIP	100	5%	1/10W
R9193	1-216-097-91	RES,CHIP	100K	5%	1/10W
R9194	1-216-097-91	RES,CHIP	100K	5%	1/10W
R9195	1-216-097-91	RES,CHIP	100K	5%	1/10W
R9196	1-216-073-00	RES,CHIP	10K	5%	1/10W
R9197	1-216-073-00	RES,CHIP	10K	5%	1/10W
R9500	1-216-295-91	SHORT	0		
R9501	1-216-295-91	SHORT	0		
R9502	1-216-295-91	SHORT	0		
R9504	1-216-041-00	RES,CHIP	470	5%	1/10W
R9505	1-216-051-00	RES,CHIP	1.2K	5%	1/10W
R9506	1-216-073-00	RES,CHIP	10K	5%	1/10W
R9507	1-216-097-91	RES,CHIP	100K	5%	1/10W
R9508	1-216-017-91	RES,CHIP	47	5%	1/10W
R9509	1-216-049-91	RES,CHIP	1K	5%	1/10W
R9510	1-216-017-91	RES,CHIP	47	5%	1/10W
R9511	1-216-049-91	RES,CHIP	1K	5%	1/10W
R9512	1-216-017-91	RES,CHIP	47	5%	1/10W
R9513	1-216-017-91	RES,CHIP	47	5%	1/10W
R9514	1-216-017-91	RES,CHIP	47	5%	1/10W
R9515	1-216-295-91	SHORT	0		
R9516	1-216-295-91	SHORT	0		
R9517	1-216-295-91	SHORT	0		
R9518	1-216-049-91	RES,CHIP	1K	5%	1/10W
R9519	1-216-039-00	RES,CHIP	390	5%	1/10W
R9520	1-216-039-00	RES,CHIP	390	5%	1/10W
R9521	1-216-039-00	RES,CHIP	390	5%	1/10W
R9522	1-216-295-91	SHORT	0		
R9523	1-216-295-91	SHORT	0		
R9524	1-216-295-91	SHORT	0		
R9525	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R9526	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R9527	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R9528	1-216-025-91	RES,CHIP	100	5%	1/10W
R9529	1-216-025-91	RES,CHIP	100	5%	1/10W
R9530	1-216-025-91	RES,CHIP	100	5%	1/10W
R9531	1-216-295-91	SHORT	0		
		< CRYSTAL >			
X9101	1-781-107-21	VIBRATOR, SERAMIC			
X9500	1-760-551-21	VIBRATOR, CERAMIC			

***A-1638-131-A C Board, Complete**

4-382-854-11 SCREW (M3X10), P, SW (+)

REF. NO.	PART.NO	DESCRIPTION			REMARK
		< CAPACITOR >			
C5301	1-163-075-00	CERAMIC CHIP	0.047MF		50V
C5302	1-128-528-11	ELECT	470MF	20%	16V
C5303	1-163-087-00	CERAMIC CHIP	4PF	0.25PF	50V
C5304	1-107-967-11	ELECT	1MF	20%	400V
C5305	1-136-207-11	MYLAR	0.047MF	10%	400V
C5306	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C5307	1-163-233-11	CERAMIC CHIP	18PF	5%	50V
C5308	1-163-089-00	CERAMIC CHIP	6PF	0.5PF	50V
C5309	1-163-035-00	CERAMIC CHIP	0.047MF		50V
C5310	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C5325	1-163-087-00	CERAMIC CHIP	4PF	0.25PF	50V
C5326	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C5328	1-128-528-11	ELECT	470MF	20%	16V
C5329	1-107-967-11	ELECT	1MF	20%	400V
C5330	1-136-207-11	MYLAR	0.047MF	10%	400V
C5331	1-163-089-00	CERAMIC CHIP	6PF	0.5PF	50V
C5332	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C5333	1-163-035-00	CERAMIC CHIP	0.047MF		50V
C5334	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C5350	1-107-907-11	ELECT	22MF	20%	50V
C5351	1-163-087-00	CERAMIC CHIP	4PF	0.25PF	50V
C5352	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C5353	1-163-075-00	CERAMIC CHIP	0.047MF		50V
C5354	1-128-528-11	ELECT	470MF	20%	16V
C5355	1-107-967-11	ELECT	1MF	20%	400V
C5356	1-136-207-11	MYLAR	0.047MF	10%	400V
C5357	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C5358	1-163-087-00	CERAMIC CHIP	4PF	0.25PF	50V
C5359	1-163-035-00	CERAMIC CHIP	0.047MF		50V
C5360	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C5375	1-107-902-11	ELECT	1MF	20%	50V
C5376	1-102-106-00	CERAMIC	100PF	10%	50V
C5377	1-104-331-11	CERAMIC	0.0022MF	10%	1KV
C5378	1-162-116-00	CERAMIC	680PF	10%	2KV
C5379	1-162-114-00	CERAMIC	0.0047MF		2KV
C5380	1-107-652-11	ELECT	10MF	20%	250V
C5381	1-162-116-00	CERAMIC	680PF	10%	2KV
C5382	1-162-114-00	CERAMIC	0.0047MF		2KV
		< CONNECTOR >			
CN5400	1-564-511-11	PLUG, CONNECTOR 8P			
CN5511	1-695-915-11	TAB (CONTACT)			
CN5600	1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P			
CN5633	1-695-915-11	TAB (CONTACT)			

C

The components identified by shading and marked ⚠ are critical for safety
Replace only with the part number specified.

REF. NO.		PART.NO	DESCRIPTION	REMARK
			< DIODE >	
D5300		8-719-911-19	DIODE 1SS119-25	
D5302		8-719-901-83	DIODE 1SS83	
D5325		8-719-911-19	DIODE 1SS119-25	
D5327		8-719-901-83	DIODE 1SS83	
D5350		8-719-911-19	DIODE 1SS119-25	
D5351		8-719-991-33	DIODE 1SS133T-77	
D5353		8-719-901-83	DIODE 1SS83	
D5375		8-719-991-33	DIODE 1SS133T-77	
D5376		8-719-991-33	DIODE 1SS133T-77	
D5377		8-719-908-03	DIODE GP08D	
D5378		8-719-921-88	DIODE MTZJ-13B	
D5379		8-719-982-96	DIODE MTZJ-T-77-2.2A	
D5380		8-719-982-96	DIODE MTZJ-T-77-2.2A	
D5381		8-719-031-34	DIODE RGP02-20EG23	
			< IC >	
IC5300		8-759-360-83	IC TDA6111Q/N4	
IC5325		8-759-360-83	IC TDA6111Q/N4	
IC5350		8-759-360-83	IC TDA6111Q/N4	
			< SOCKET >	
J5375	⚠	1-540-071-22	SOCKET, CRT	
			< COIL >	
L5300		1-408-591-11	INDUCTOR 1UH	
L5325		1-408-591-11	INDUCTOR 1UH	
L5350		1-408-591-11	INDUCTOR 1UH	
L5375		1-410-671-31	INDUCTOR 47UH	
L5376		1-532-637-00	LINK, IC 1A/150V	
L5377		1-414-183-41	INDUCTOR 10UH	
			< TRANSISTOR >	
Q5300		8-729-255-12	TRANSISTOR 2SC2551-O	
Q5301		8-729-216-22	TRANSISTOR 2SA1162-G	
Q5325		8-729-255-12	TRANSISTOR 2SC2551-O	
Q5326		8-729-216-22	TRANSISTOR 2SA1162-G	
Q5350		8-729-029-56	TRANSISTOR DTA144ESA	
Q5351		8-729-255-12	TRANSISTOR 2SC2551-O	
Q5352		8-729-216-22	TRANSISTOR 2SA1162-G	
Q5375		8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q5376		8-729-026-39	TRANSISTOR 2SA933AS-QT	
			< RESISTOR >	
R5300		1-247-831-91	CARBON 1K 5% 1/4W	
R5301		1-247-807-31	CARBON 100 5% 1/4W	
R5302		1-535-303-00	LEAD,JUMPER (5.0MM)	
R5303		1-216-659-11	METAL CHIP 2.2K 0.50% 1/10W	
R5304		1-202-557-00	SOLID 220 20% 1/2W	
R5305		1-215-929-11	METAL OXIDE 100K 5% 3W F	
R5306		1-249-424-11	CARBON 3.9K 5% 1/4W	
R5307		1-247-863-91	CARBON 22K 5% 1/4W	
R5308		1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R5309		1-216-658-11	METAL CHIP 2K 0.50% 1/10W	
R5310		1-216-059-00	RES,CHIP 2.7K 5% 1/10W	
R5325		1-247-831-91	CARBON 1K 5% 1/4W	
R5326		1-247-807-31	CARBON 100 5% 1/4W	
R5327		1-535-303-00	LEAD,JUMPER (5.0MM)	
R5328		1-216-659-11	METAL CHIP 2.2K 0.50% 1/10W	
R5329		1-202-557-00	SOLID 220 20% 1/2W	
R5330		1-215-929-11	METAL OXIDE 100K 5% 3W F	
R5331		1-249-424-11	CARBON 3.9K 5% 1/4W	
R5332		1-247-863-91	CARBON 22K 5% 1/4W	
R5333		1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R5334		1-216-059-00	RES,CHIP 2.7K 5% 1/10W	
R5335		1-216-658-11	METAL CHIP 2K 0.50% 1/10W	
R5350		1-247-831-91	CARBON 1K 5% 1/4W	
R5351		1-247-807-31	CARBON 100 5% 1/4W	
R5352		1-249-416-11	CARBON 820 5% 1/4W	
R5353		1-249-421-11	CARBON 2.2K 5% 1/4W	
R5354		1-249-418-11	CARBON 1.2K 5% 1/4W	
R5355		1-535-303-00	LEAD,JUMPER (5.0MM)	
R5356		1-216-659-11	METAL CHIP 2.2K 0.50% 1/10W	
R5357		1-202-557-00	SOLID 220 20% 1/2W	
R5358		1-215-929-11	METAL OXIDE 100K 5% 3W F	
R5359		1-247-863-91	CARBON 22K 5% 1/4W	
R5360		1-249-424-11	CARBON 3.9K 5% 1/4W	
R5361		1-249-431-11	CARBON 15K 5% 1/4W	
R5362		1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R5363		1-216-059-00	RES,CHIP 2.7K 5% 1/10W	
R5364		1-216-658-11	METAL CHIP 2K 0.50% 1/10W	
R5375		1-249-435-11	CARBON 33K 5% 1/4W	
R5376		1-249-429-11	CARBON 10K 5% 1/4W	
R5377		1-249-430-11	CARBON 12K 5% 1/4W	
R5378		1-249-429-11	CARBON 10K 5% 1/4W	
R5379		1-249-438-11	CARBON 56K 5% 1/4W	
R5380		1-247-863-91	CARBON 22K 5% 1/4W	
R5381		1-216-055-00	RES,CHIP 1.8K 5% 1/10W	
R5382		1-202-549-00	SOLID 100 20% 1/2W	
R5383		1-535-143-51	LEAD,JUMPER (20.0MM)	
R5384		1-535-143-51	LEAD,JUMPER (20.0MM)	
R5385		1-202-549-00	SOLID 100 20% 1/2W	
R5386		1-202-884-11	SOLID 820K 20% 1/2W	

REF. NO.	PART.NO	DESCRIPTION			REMARK
R5387	1-202-884-11	SOLID	820K	20% 1/2W	
R5388	1-215-911-11	METAL OXIDE	100	5% 3W	F
R5389	1-249-417-11	CARBON	1K	5% 1/4W	F
		< VARIABLE RESISTOR >			
RV5375	1-241-656-21	RES, ADJ, METAL FILM 110M			
RV5376	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M			

*A-1640-362-A D1 Board, Complete

4-382-854-11 SCREW (M3X10), P, SW (+)

< CAPACITOR >

C6100	1-136-165-00	MYLAR	0.1MF	5%	50V
C6101	1-136-165-00	MYLAR	0.1MF	5%	50V
C6102	1-136-165-00	MYLAR	0.1MF	5%	50V
C6103	1-163-205-00	CERAMIC CHIP	0.001MF	5%	50V
C6104	1-163-205-00	CERAMIC CHIP	0.001MF	5%	50V
C6105	1-104-664-11	ELECT	47MF	20%	25V
C6106	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C6108	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C6109	1-104-664-11	ELECT	47MF	20%	25V
C6110	1-104-664-11	ELECT	47MF	20%	25V
C6112	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C6113	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C6114	1-126-964-11	ELECT	10MF	20%	50V
C6115	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C6116	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V
C6117	1-163-275-11	CERAMIC CHIP	0.001MF	5%	50V
C6119	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C6120	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C6121	1-126-963-11	ELECT	4.7MF	20%	50V
C6122	1-104-664-11	ELECT	47MF	20%	25V
C6125	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C6126	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C6127	1-163-059-91	CERAMIC CHIP	10000PF	10%	50V
C6128	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C6129	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C6131	1-126-964-11	ELECT	10MF	20%	50V
C6132	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C6207	1-126-967-11	ELECT	47MF	20%	50V
C6208	1-126-967-11	ELECT	47MF	20%	50V
C6209	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C6210	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C6250	1-104-664-11	ELECT	47MF	20%	16V
C6251	1-163-989-11	CERAMIC CHIP	0.033MF	10%	25V
C6252	1-163-989-91	CERAMIC CHIP	33000PF	10%	25V
C6253	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V
C6254	1-136-177-00	MYLAR	1MF	5%	50V
C6255	1-136-177-00	MYLAR	1MF	5%	50V
C6256	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C6257	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V
C6258	1-163-127-00	CERAMIC CHIP	270PF	5%	50V
C6259	1-110-501-11	CERAMIC CHIP	0.33MF	10%	16V
C6260	1-104-664-11	ELECT	47MF	20%	16V
C6261	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V
C6262	1-130-467-00	MYLAR	470PF	5%	50V
C6263	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C6265	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C6301	1-126-964-11	ELECT	10MF	20%	50V
C6302	1-126-964-11	ELECT	10MF	20%	50V
C6303	1-126-965-11	ELECT	22MF	20%	50V
C6304	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6305	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6306	1-126-967-11	ELECT	47MF	20%	50V
C6307	1-129-716-00	FILM	0.015MF	5%	630V
C6308	1-137-194-81	MYLAR	0.47MF	5%	50V
C6309	1-104-664-11	ELECT	47MF	20%	16V
C6312	1-107-909-11	ELECT	47MF	20%	50V
C6313	1-126-967-11	ELECT	47MF	20%	50V
C6314	1-136-153-00	MYLAR	0.01MF	5%	50V
C6315	1-104-665-11	ELECT	100MF	20%	25V
C6316	1-137-493-11	FILM	0.0047MF	5%	630V
C6350	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6351	1-104-664-11	ELECT	47MF	20%	25V
C6355	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C6356	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C6358	1-104-329-11	CERAMIC CHIP	0.1MF	10%	50V
C6361	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6362	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
C6365	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C6376	1-107-909-11	ELECT	47MF	20%	16V
C6377	1-128-551-11	ELECT	22MF	20%	25V
C6378	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C6401	1-126-964-11	ELECT	10MF	20%	50V
C6402	1-107-714-11	ELECT	10MF	20%	50V
C6407	1-136-161-00	MYLAR	0.047MF	5%	50V
C6408	1-136-161-00	MYLAR	0.047MF	5%	50V
C6409	1-126-964-11	ELECT	10MF	20%	50V
C6411	1-104-664-11	ELECT	47MF	20%	16V
C6416	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C6417	1-126-964-11	ELECT	10MF	20%	50V
C6420	1-136-165-00	MYLAR	0.1MF	5%	50V
C6421	1-136-165-00	MYLAR	0.1MF	5%	50V
C6422	1-136-165-00	MYLAR	0.1MF	5%	50V

D1

REF. NO.	PART.NO	DESCRIPTION	REMARK
C6479	1-126-967-11	ELECT 47MF 20% 50V	
C6480	1-136-165-00	MYLAR 0.1MF 5% 50V	
C6481	1-126-960-11	ELECT 1MF 20% 50V	
C6485	1-104-664-11	ELECT 47MF 20% 25V	
C6486	1-104-664-11	ELECT 47MF 20% 25V	
C6488	1-126-964-11	ELECT 10MF 20% 50V	
C6489	1-126-964-11	ELECT 10MF 20% 50V	
C6492	1-104-664-11	ELECT 47MF 20% 25V	
		< CONNECTOR >	
CN6502	*1-568-881-51	PIN, CONNECTOR 6P	
CN6600	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P	
CN6601	1-695-302-11	CONNECTOR, BOARD TO BOARD 50P	
CN6622	*1-568-878-11	PIN, CONNECTOR 3P	
CN6633	*1-568-878-51	PIN, CONNECTOR 3P	
		< DIODE >	
D6102	8-719-914-43	DIODE DAN202K	
D6104	8-719-914-43	DIODE DAN202K	
D6105	8-719-914-43	DIODE DAN202K	
D6107	8-719-914-43	DIODE DAN202K	
D6108	8-719-921-40	DIODE MTZJ-4.7C	
D6127	8-719-914-43	DIODE DAN202K	
D6128	8-719-914-43	DIODE DAN202K	
D6129	8-719-914-43	DIODE DAN202K	
D6198	1-535-465-11	LEAD,JUMPER (5.0MM)	
D6253	8-719-911-19	DIODE 1SS119-25	
D6254	1-535-303-00	LEAD,JUMPER (5.0MM)	
D6255	8-719-914-43	DIODE DAN202K	
D6301	8-719-914-43	DIODE DAN202K	
D6302	8-719-991-33	DIODE 1SS133T-77	
D6303	8-719-987-87	DIODE ERA85-009	
D6304	8-719-063-73	DIODE D1NL20U-TR	
D6305	8-719-914-43	DIODE DAN202K	
D6350	8-719-914-43	DIODE DAN202K	
D6351	8-719-914-43	DIODE DAN202K	
D6355	8-719-914-43	DIODE DAN202K	
D6401	8-719-914-43	DIODE DAN202K	
D6402	8-719-982-03	DIODE MTZJ-3.6A	
D6403	8-719-921-63	DIODE MTZJ-7.5B	
D6404	8-719-914-43	DIODE DAN202K	
D6405	8-719-921-63	DIODE MTZJ-7.5B	
D6408	8-719-109-54	DIODE RD2.2ESB2	
D6409	8-719-914-43	DIODE DAN202K	
		< IC >	
IC6100	8-759-450-95	IC LM393N	
IC6101	8-759-450-95	IC LM393N	
IC6102	8-759-701-50	IC NJM3404AD	
IC6103	8-759-450-95	IC LM393N	
IC6250	8-759-595-52	IC CXA8070AP	
IC6251	8-759-903-16	IC LM318P	
IC6301	8-752-053-21	IC CXA1211M	
IC6302	8-759-450-95	IC LM393N	
IC6303	8-759-450-95	IC LM393N	
IC6304	8-759-803-42	IC LA6500-FA	
IC6351	8-759-450-95	IC LM393N	
IC6353	8-759-231-53	IC TA7805S	
IC6405	8-759-567-08	IC MB88141APF-ER	
IC6454	8-759-325-48	IC CA0005AD	
IC6455	8-759-008-70	IC LM358N	
IC6456	8-759-822-38	IC LA6510	
		< FILTER >	
LF6301	1-406-989-21	INDUCTOR 10MMH	
LF6302	1-416-920-11	INDUCTOR 10MMH	
		< TRANSISTOR >	
Q6100	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6101	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6102	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6103	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6104	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6105	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6106	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6107	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6108	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q6110	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q6112	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6113	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6118	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6119	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q6120	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q6122	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q6123	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q6125	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6126	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q6127	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q6128	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6129	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q6130	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q6131	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6201	8-729-120-28	TRANSISTOR 2SC1623-L5L6	

REF. NO.	PART.NO	DESCRIPTION	REMARK
Q6202	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6250	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6251	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6252	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q6253	8-729-045-04	TRANSISTOR 2SC5511	
Q6254	8-729-045-05	TRANSISTOR 2SA2005	
Q6301	8-729-046-33	TRANSISTOR IRF720-LF49	
Q6302	8-729-140-93	TRANSISTOR 2SB733-34	
Q6350	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6356	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6401	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q6402	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q6403	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6404	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q6405	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q6455	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6465	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6466	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q6467	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
		< RESISTOR >	
R6100	1-216-033-00	RES,CHIP 220 5% 1/10W	
R6101	1-216-033-00	RES,CHIP 220 5% 1/10W	
R6102	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R6103	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R6104	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R6105	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R6106	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R6107	1-216-659-11	METAL CHIP 2.2K 0.50% 1/10W	
R6108	1-216-659-11	METAL CHIP 2.2K 0.50% 1/10W	
R6109	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R6110	1-216-683-11	METAL CHIP 22K 0.50% 1/10W	
R6111	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R6112	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R6113	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R6114	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R6115	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R6116	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R6117	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R6118	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R6119	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R6120	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R6121	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R6122	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R6123	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R6124	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R6125	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R6126	1-216-037-00	RES,CHIP 330 5% 1/10W	
R6127	1-216-663-11	METAL CHIP 3.3K 0.50% 1/10W	
R6128	1-216-691-11	METAL CHIP 47K 0.50% 1/10W	
R6129	1-216-691-11	METAL CHIP 47K 0.50% 1/10W	
R6130	1-218-769-11	METAL CHIP 510K 0.50% 1/10W	
R6131	1-216-037-00	RES,CHIP 330 5% 1/10W	
R6132	1-216-037-00	RES,CHIP 330 5% 1/10W	
R6133	1-216-037-00	RES,CHIP 330 5% 1/10W	
R6135	1-163-021-91	CERAMIC CHIP 0.01MF 10% 50V	
R6136	1-216-691-11	METAL CHIP 47K 0.50% 1/10W	
R6137	1-216-691-11	METAL CHIP 47K 0.50% 1/10W	
R6138	1-216-691-11	METAL CHIP 47K 0.50% 1/10W	
R6139	1-216-691-11	METAL CHIP 47K 0.50% 1/10W	
R6140	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R6141	1-216-669-11	METAL CHIP 5.6K 0.50% 1/10W	
R6142	1-216-655-11	METAL CHIP 1.5K 0.50% 1/10W	
R6143	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R6144	1-216-254-91	RES,CHIP 220K 5% 1/8W	
R6145	1-216-212-00	RES,CHIP 3.9K 5% 1/8W	
R6146	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R6147	1-249-377-11	CARBON 0.47 5% 1/4W F	
R6149	1-216-252-00	RES,CHIP 180K 5% 1/8W	
R6150	1-216-671-11	METAL CHIP 6.8K 0.50% 1/10W	
R6154	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R6155	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R6158	1-216-665-11	METAL CHIP 3.9K 0.50% 1/10W	
R6159	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R6160	1-216-295-91	SHORT 0	
R6161	1-216-671-11	METAL CHIP 6.8K 0.50% 1/10W	
R6162	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R6165	1-215-469-00	METAL 100K 1% 1/4W	
R6168	1-216-065-91	RES,CHIP 4.7K 5% 1/10W	
R6169	1-215-469-00	METAL 100K 1% 1/4W	
R6170	1-216-037-00	RES,CHIP 330 5% 1/10W	
R6171	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R6174	1-216-081-00	RES,CHIP 22K 5% 1/10W	
R6175	1-216-073-00	RES,CHIP 10K 5% 1/10W	
R6176	1-216-667-11	METAL CHIP 4.7K 0.50% 1/10W	
R6177	1-216-065-91	RES,CHIP 4.7K 5% 1/10W	
R6179	1-216-295-91	SHORT 0	
R6180	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R6182	1-216-089-91	RES,CHIP 47K 5% 1/10W	
R6183	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R6186	1-216-661-11	METAL CHIP 2.7K 0.50% 1/10W	
R6187	1-216-081-00	RES,CHIP 22K 5% 1/10W	
R6188	1-216-067-00	RES,CHIP 5.6K 5% 1/10W	
R6189	1-216-295-91	SHORT 0	

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REF. NO.	PART.NO	DESCRIPTION			REMARK
R6190	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6191	1-215-925-11	METAL OXIDE	22K	5%	3W F
R6192	1-216-681-11	METAL CHIP	18K	0.50%	1/10W
R6195	1-216-683-11	METAL CHIP	22K	0.50%	1/10W
R6196	1-249-377-11	CARBON	0.47	5%	1/4W F
R6199	1-216-081-00	RES,CHIP	22K	5%	1/10W
R6205	1-216-025-91	RES,CHIP	100	5%	1/10W
R6206	1-216-105-91	RES,CHIP	220K	5%	1/10W
R6207	1-216-103-00	RES,CHIP	180K	5%	1/10W
R6208	1-216-089-91	RES,CHIP	47K	5%	1/10W
R6210	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6211	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6212	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6215	1-216-089-91	RES,CHIP	47K	5%	1/10W
R6216	1-216-089-91	RES,CHIP	47K	5%	1/10W
R6217	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6218	1-216-295-91	SHORT	0		
R6254	1-216-049-91	RES,CHIP	1K	5%	1/10W
R6255	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R6256	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6257	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R6258	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6259	1-216-097-91	RES,CHIP	100K	5%	1/10W
R6260	1-216-049-91	RES,CHIP	1K	5%	1/10W
R6261	1-216-097-91	RES,CHIP	100K	5%	1/10W
R6262	1-260-321-71	CARBON	270	5%	1/2W
R6263	1-216-025-91	RES,CHIP	100	5%	1/10W
R6264	1-216-025-91	RES,CHIP	100	5%	1/10W
R6265	1-216-107-00	RES,CHIP	270K	5%	1/10W
R6266	1-216-097-91	RES,CHIP	100K	5%	1/10W
R6267	1-216-049-91	RES,CHIP	1K	5%	1/10W
R6268	1-216-069-00	RES,CHIP	6.8K	5%	1/10W
R6269	1-216-039-00	RES,CHIP	390	5%	1/10W
R6270	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6271	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6272	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R6276	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R6277	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6278	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6279	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6280	1-212-849-00	FUSIBLE	4.7	5%	1/4W F
R6281	1-212-849-00	FUSIBLE	4.7	5%	1/4W F
R6282	1-215-886-11	METAL OXIDE	100	5%	2W F
R6283	1-216-393-00	METAL OXIDE	2.2	5%	3W F
R6284	1-216-101-00	RES,CHIP	150K	5%	1/10W
R6285	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6286	1-216-049-91	RES,CHIP	1K	5%	1/10W
R6287	1-216-085-00	RES,CHIP	33K	5%	1/10W
R6288	1-216-049-91	RES,CHIP	1K	5%	1/10W
R6301	1-216-025-91	RES,CHIP	100	5%	1/10W
R6303	1-216-049-91	RES,CHIP	1K	5%	1/10W
R6304	1-535-465-11	LEAD,JUMPER	(5.0MM)		
R6305	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R6306	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6307	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6308	1-216-105-91	RES,CHIP	220K	5%	1/10W
R6309	1-216-677-11	METAL CHIP	12K	0.50%	1/10W
R6310	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R6311	1-216-081-00	RES,CHIP	22K	5%	1/10W
R6312	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6314	1-216-049-91	RES,CHIP	1K	5%	1/10W
R6315	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R6316	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6317	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R6318	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6319	1-216-033-00	RES,CHIP	220	5%	1/10W
R6320	1-215-906-11	METAL OXIDE	15	5%	3W F
R6321	1-218-756-11	METAL CHIP	150K	0.50%	1/10W
R6322	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R6323	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R6324	1-218-760-11	METAL CHIP	220K	0.50%	1/10W
R6325	1-216-353-00	METAL OXIDE	2.2	5%	1W F
R6326	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6327	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R6328	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R6329	1-216-113-00	RES,CHIP	470K	5%	1/10W
R6330	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R6331	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R6350	1-216-089-91	RES,CHIP	47K	5%	1/10W
R6357	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6359	1-216-097-91	RES,CHIP	100K	5%	1/10W
R6360	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6361	1-216-097-91	RES,CHIP	100K	5%	1/10W
R6362	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R6367	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R6368	1-216-695-91	METAL FILM	68K	0.50%	1/10W
R6374	1-216-679-91	METAL FILM	15K	0.50%	1/10W
R6375	1-216-041-00	RES,CHIP	470	5%	1/10W
R6378	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R6379	1-216-295-91	SHORT	0		
R6382	1-216-693-11	METAL CHIP	56K	0.50%	1/10W
R6385	1-216-295-91	SHORT	0		
R6386	1-216-699-91	METAL CHIP	100K	0.50%	1/10W
R6391	1-247-831-91	CARBON	1K	5%	1/4W

The components identified by shading and marked ⚠ are critical for safety
Replace only with the part number specified.

REF. NO.	PART.NO	DESCRIPTION			REMARK
R6394	1-216-069-00	RES,CHIP	6.8K	5%	1/10W
R6401	1-216-295-91	SHORT	0		
R6402	1-216-295-91	SHORT	0		
R6403	1-216-661-11	METAL CHIP	2.7K	0.50%	1/10W
R6404	1-216-683-11	METAL CHIP	22K	0.50%	1/10W
R6405	1-216-683-11	METAL CHIP	22K	0.50%	1/10W
R6406	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R6407	1-216-025-91	RES,CHIP	100	5%	1/10W
R6408	1-216-017-91	RES,CHIP	47	5%	1/10W
R6409	1-216-025-91	RES,CHIP	100	5%	1/10W
R6410	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6411	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6412	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6413	1-216-296-91	SHORT	0		
R6414	1-216-683-11	METAL CHIP	22K	0.50%	1/10W
R6415	1-216-683-11	METAL CHIP	22K	0.50%	1/10W
R6416	1-216-683-11	METAL CHIP	22K	0.50%	1/10W
R6418	1-216-091-00	RES,CHIP	56K	5%	1/10W
R6419	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6420	1-216-089-91	RES,CHIP	47K	5%	1/10W
R6421	1-216-629-11	METAL CHIP	120	0.50%	1/10W
R6422	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R6423	1-216-657-11	METAL CHIP	1.8K	0.50%	1/10W
R6424	1-216-017-91	RES,CHIP	47	5%	1/10W
R6425	1-216-295-91	SHORT	0		
R6426	1-216-081-00	RES,CHIP	22K	5%	1/10W
R6427	1-216-081-00	RES,CHIP	22K	5%	1/10W
R6428	1-216-101-00	RES,CHIP	150K	5%	1/10W
R6429	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R6430	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R6431	1-216-113-00	RES,CHIP	470K	5%	1/10W
R6432	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6433	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6437	1-249-422-11	CARBON	2.7K	5%	1/4W
R6438	1-249-421-11	CARBON	2.2K	5%	1/4W
R6439	1-216-683-11	METAL CHIP	22K	0.50%	1/10W
R6440	1-216-683-11	METAL CHIP	22K	0.50%	1/10W
R6441	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R6442	1-216-039-00	RES,CHIP	390	5%	1/10W
R6455	1-216-295-91	SHORT	0		
R6456	1-216-097-91	RES,CHIP	100K	5%	1/10W
R6457	1-216-075-00	RES,CHIP	12K	5%	1/10W
R6458	1-216-089-91	RES,CHIP	47K	5%	1/10W
R6459	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6460	1-249-393-11	CARBON	10	5%	1/4W
R6461	1-249-415-11	CARBON	680	5%	1/4W
R6462	1-247-815-91	CARBON	220	5%	1/4W
R6463	1-216-095-00	RES,CHIP	82K	5%	1/10W
R6464	1-216-079-00	RES,CHIP	18K	5%	1/10W
R6474	1-216-097-91	RES,CHIP	100K	5%	1/10W
R6475	1-216-097-91	RES,CHIP	100K	5%	1/10W
R6476	1-216-097-91	RES,CHIP	100K	5%	1/10W
R6477	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6478	1-216-113-00	RES,CHIP	470K	5%	1/10W
R6479	1-216-089-91	RES,CHIP	47K	5%	1/10W
R6480	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6494	1-216-065-91	RES,CHIP	4.7K	5%	1/10W

*A-1640-363-A D Board, Complete

	4-039-356-01	SCREW (3X12), (+) BV TAPPING			
	4-039-357-01	SCREW (3X8), (+) BV TAPPING			
	4-201-023-01	SPACER, INSULATING			
	4-202-373-01	SPRING, IC			
	4-382-854-11	SCREW (M3X10), P, SW (+)			
	*4-931-401-01	HEAT SINK, V.OUT			

< CAPACITOR >

C2601	1-102-114-00	CERAMIC	470PF	10%	50V
C2603	1-126-965-11	ELECT	22MF	20%	50V
C2629	1-102-129-00	CERAMIC	0.01MF	10%	50V
C2630	1-126-963-11	ELECT	4.7MF	20%	50V
C2631	1-130-029-00	FILM	8200PF	2%	50V
C2634	1-126-964-11	ELECT	10MF	20%	50V
C2636	1-126-948-11	ELECT	100MF	20%	35V
C2639	1-126-964-11	ELECT	10MF	20%	50V
C2640	1-102-114-00	CERAMIC	470PF	10%	50V
C2643	1-104-341-11	MYLAR	0.1MF	10%	250V
C2644	1-165-127-11	CERAMIC	470PF	10%	500V
C2645	1-165-127-11	CERAMIC	470PF	10%	500V
C2646	1-129-718-00	FILM	0.022MF	5%	630V
C2647	1-129-718-00	FILM	0.022MF	5%	630V
C2692	1-136-205-11	MYLAR	0.022MF	10%	250V
C6600 ⚠	1-162-580-51	CERAMIC	0.01MF		400V
C6603	1-126-933-11	ELECT	100MF	20%	16V
C6604	1-126-767-11	ELECT	1000MF	20%	16V
C6605 ⚠	1-119-888-51	CERAMIC	2200PF	20%	250V
C6606 ⚠	1-119-888-51	CERAMIC	2200PF	20%	250V
C6607 ⚠	1-136-518-12	FILM	0.33MF	20%	300V
C6608 ⚠	1-161-964-91	CERAMIC	0.0047MF		250V
C6609 ⚠	1-161-964-91	CERAMIC	0.0047MF		250V
C6610 ⚠	1-161-964-91	CERAMIC	0.0047MF		250V
C6611 ⚠	1-165-137-81	CERAMIC	4700PF	10%	500V
C6612	1-161-744-00	CERAMIC	0.01MF		400V
C6626	1-164-644-11	CERAMIC	330PF	10%	500V

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REF. NO.	PART.NO	DESCRIPTION			REMARK
C6627	1-164-644-11	CERAMIC	330PF	10%	500V
C6628	1-107-887-11	ELECT	10000MF	20%	16V
C6629	1-128-601-11	ELECT	4700MF	20%	25V
C6630	1-110-626-11	ELECT	330MF	20%	160V
C6631	1-126-955-11	ELECT	4700MF	20%	35V
C6632	1-126-955-11	ELECT	4700MF	20%	35V
C6634	1-136-165-00	MYLAR	0.1MF	5%	50V
C6635	1-104-664-11	ELECT	47MF	20%	25V
C6636	1-102-129-00	CERAMIC	0.01MF	10%	50V
C6637	1-102-129-00	CERAMIC	0.01MF	10%	50V
C6642	1-128-551-11	ELECT	22MF	20%	25V
C6647	1-104-664-11	ELECT	47MF	20%	25V
C6651	1-161-964-91	CERAMIC	0.0047MF		250V
C6652	1-107-679-91	ELECT	10MF	20%	450V
C6653	1-126-968-11	ELECT	100MF	20%	50V
C6654	1-162-117-00	CERAMIC	100PF	10%	500V
C6655	1-109-879-11	CERAMIC	22PF	5%	2KV
C6656	1-126-967-11	ELECT	47MF	20%	50V
C6657	1-126-941-11	ELECT	470MF	20%	25V
C6658	1-104-665-11	ELECT	100MF	20%	25V
C6659	1-104-665-11	ELECT	100MF	20%	25V
C6661	1-117-753-11	ELECT(BLOCK)	470MF	20%	450V
C6662	1-136-165-00	MYLAR	0.1MF	5%	50V
C6663	1-101-821-00	CERAMIC	0.0022MF		500V
C6664	1-136-153-00	MYLAR	0.01MF	5%	50V
C6665	1-136-165-00	MYLAR	0.1MF	5%	50V
C6666	1-136-165-00	MYLAR	0.1MF	5%	50V
C6667	1-128-526-11	ELECT	100MF	20%	16V
C6668	1-126-933-11	ELECT	100MF	20%	16V
C6669	1-136-165-00	MYLAR	0.1MF	5%	50V
C6670	1-136-165-00	MYLAR	0.1MF	5%	50V
C6671	1-104-664-11	ELECT	47MF	20%	16V
C6672	1-104-664-11	ELECT	47MF	20%	16V
C6680	1-137-370-11	MYLAR	0.01MF	5%	50V
C6681	1-101-821-00	CERAMIC	0.0022MF		500V
C6682	1-107-679-91	ELECT	10MF	20%	450V
C6683	1-164-644-11	CERAMIC	330PF	10%	500V
C6684	1-164-644-11	CERAMIC	330PF	10%	500V
C6685	1-161-830-00	CERAMIC	0.0047MF		500V
C6686	1-119-884-51	CERAMIC	100PF	10%	250V
C6700	1-102-129-00	CERAMIC	0.01MF	10%	50V
C6703	1-128-527-11	ELECT	330MF	20%	25V
C6704	1-126-968-11	ELECT	100MF	20%	50V
C6705	1-128-527-11	ELECT	330MF	20%	25V
C6706	1-106-228-00	MYLAR	0.22MF	10%	100V
C6707	1-129-702-00	MYLAR	0.001MF	10%	400V
C6708	1-106-220-00	MYLAR	0.1MF	10%	100V
C6709	1-102-129-00	CERAMIC	0.01MF	10%	50V
C6710	1-130-785-11	MYLAR	0.47MF	10%	100V
C6727	1-102-228-00	CERAMIC	470PF	10%	500V
C6801	1-104-664-11	ELECT	47MF	20%	25V
C6802	1-126-960-11	ELECT	1MF	20%	50V
C6803	1-107-902-11	ELECT	1MF	20%	50V
C6804	1-102-114-00	CERAMIC	470PF	10%	50V
C6805	1-102-114-00	CERAMIC	470PF	10%	50V
C6808	1-102-030-00	CERAMIC	330PF	10%	500V
C6809	1-102-030-00	CERAMIC	330PF	10%	500V
C6810	1-107-368-11	MYLAR	0.047MF	10%	200V
C6811	1-107-368-11	MYLAR	0.047MF	10%	200V
C6812	1-117-214-11	CERAMIC	0.001MF	10%	2KV
C6813	1-117-214-11	CERAMIC	0.001MF	10%	2KV
C6814	1-117-646-11	FILM	12000PF	3%	1.2KV
C6815	1-117-837-11	FILM	7500PF	3%	1.5KV
C6816	1-130-471-00	MYLAR	0.001MF	5%	50V
C6817	1-125-893-11	FILM	680PF	3%	1.5KV
C6818	1-125-893-11	FILM	680PF	3%	1.5KV
C6819	1-125-893-11	FILM	680PF	3%	1.5KV
C6820	1-125-893-11	FILM	680PF	3%	1.5KV
C6821	1-102-114-00	CERAMIC	470PF	10%	50V
C6822	1-102-106-00	CERAMIC	100PF	10%	50V
C6823	1-130-495-00	MYLAR	0.1MF	5%	50V
C6824	1-107-846-11	FILM	0.1MF	5%	250V
C6825	1-117-665-11	FILM	0.33MF	5%	250V
C6826	1-109-844-11	FILM	0.68MF	5%	250V
C6827	1-107-846-11	FILM	0.1MF	5%	250V
C6828	1-127-681-11	FILM MELF	10000PF	2%	100V
C6829	1-127-680-11	FILM MELF	4700PF	2%	100V
C6830	1-107-655-11	ELECT	47MF	20%	250V
C6831	1-102-228-00	CERAMIC	470PF	10%	500V
C6832	1-126-951-11	ELECT	470MF	20%	35V
C6833	1-126-941-11	ELECT	470MF	20%	25V
C6834	1-102-228-00	CERAMIC	470PF	10%	500V
C6835	1-102-228-00	CERAMIC	470PF	10%	500V
C6836	1-123-024-21	ELECT	33MF		160V
C6837	1-106-375-12	MYLAR	0.022MF	10%	250V
C6840	1-137-370-11	MYLAR	0.01MF	5%	50V
C6841	1-104-664-11	ELECT	47MF	20%	16V
C6842	1-136-207-11	MYLAR	0.047MF	10%	400V
C6843	1-136-177-00	MYLAR	1MF	5%	50V
C6845	1-102-114-00	CERAMIC	470PF	10%	50V
C6846	1-130-471-00	MYLAR	0.001MF	5%	50V
C6847	1-117-664-11	FILM	0.27MF	5%	250V
C6851	1-162-115-00	CERAMIC	330PF	10%	2KV
C6852	1-162-558-11	CERAMIC	100PF	10%	2KV

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REF. NO.		PART.NO	DESCRIPTION	REMARK
C6853		1-130-061-91	MYLAR 0.0015MF 5% 630V	
C6855		1-136-205-11	MYLAR 0.022MF 10% 400V	
C6857		1-130-785-11	MYLAR 0.47MF 10% 100V	
C6861		1-130-471-00	MYLAR 0.001MF 5% 50V	
C6862		1-130-471-00	MYLAR 0.001MF 5% 50V	
C6864		1-126-941-11	ELECT 470MF 20% 25V	
C6865		1-126-933-11	ELECT 100MF 20% 16V	
C6866		1-126-949-11	ELECT 220MF 20% 35V	
			< CONNECTOR >	
CN6100		1-785-802-11	PIN, CONNECTOR (WITH PWB) 20P	
CN6101		1-785-802-11	PIN, CONNECTOR (WITH PWB) 20P	
CN6102		1-785-802-11	PIN, CONNECTOR (WITH PWB) 20P	
CN6500		1-508-766-00	PIN, CONNECTOR (5MM PITCH) 4P	
CN6600		1-695-299-11	CONNECTOR, BOARD TO BOARD 50P	
CN6611		*1-785-270-12	PIN, DY CONNECTOR (PC BOARD)	
CN6620	⚠	1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
CN6655		1-695-915-11	TAB (CONTACT)	
CN6666	⚠	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P	
CN6699		1-695-915-11	TAB [CONTACT]	
CN6700	⚠	*1-691-291-11	PIN, CONNECTOR (PC BOARD) 5P	
			< DIODE >	
D2001		8-719-110-49	DIODE RD18ESB2	
D2601		8-719-979-64	DIODE UF4005PKG23	
D2602		8-719-991-33	DIODE 1SS133T-77	
D2603		8-719-109-66	DIODE RD3.3ESB2	
D2620		8-719-510-02	DIODE D1NS4	
D2622		8-719-979-64	DIODE UF4005PKG23	
D2649		8-719-921-88	DIODE MTZJ-13B	
D6600		8-719-911-19	DIODE 1SS119-25	
D6601		8-719-063-73	DIODE D1NL20U-TR	
D6603	⚠	8-719-921-19	DIODE 1SS119-25	
D6604		8-719-510-53	DIODE D4SB60L	
D6605		8-719-991-33	DIODE 1SS133T-77	
D6606		8-719-063-73	DIODE D1NL20U-TR	
D6607		8-719-991-33	DIODE 1SS133T-77	
D6609		8-719-991-33	DIODE 1SS133T-77	
D6610		8-719-991-33	DIODE 1SS133T-77	
D6613		8-719-027-20	DIODE D3S4M-F	
D6614		8-719-027-20	DIODE D3S4M-F	
D6615		8-719-027-20	DIODE D3S4M-F	
D6616		8-719-027-20	DIODE D3S4M-F	
D6617		8-719-062-39	DIODE D4SBL20UF1	
D6618		8-719-062-39	DIODE D4SBL20UF1	
D6619		8-719-510-12	DIODE D10SC4M	
D6623		8-719-911-19	DIODE 1SS119-25	
D6624		8-719-991-33	DIODE 1SS133T-77	
D6625		8-719-991-33	DIODE 1SS133T-77	
D6627		8-719-982-27	DIODE MTZJ-33C	
D6628		8-719-109-97	DIODE RD6.8ESB2	
D6631		8-719-991-33	DIODE 1SS133T-77	
D6651		8-719-068-00	DIODE ERC04-06SE	
D6652		8-719-923-78	DIODE MTZJ-T-77-12	
D6653		8-719-063-73	DIODE D1NL20U-TR	
D6654		8-719-059-23	DIODE P6KE200AG23	
D6655		8-719-979-64	DIODE UF4005PKG23	
D6656		8-719-063-73	DIODE D1NL20U-TR	
D6658		8-719-068-00	DIODE ERC04-06SE	
D6659		8-719-063-73	DIODE D1NL20U-TR	
D6681		8-719-991-33	DIODE 1SS133T-77	
D6700		8-719-908-03	DIODE GP08D	
D6701		8-719-110-41	DIODE RD15ESB2	
D6803		8-719-908-03	DIODE GP08D	
D6805		8-719-302-43	DIODE EL1Z	
D6806		8-719-979-85	DIODE EGP20G	
D6807		8-719-033-12	DIODE S3L40F	
D6808		8-719-510-73	DIODE S3L20UF4	
D6809		8-719-991-33	DIODE 1SS133T-77	
D6810		1-247-895-91	CARBON 470K 5% 1/4W	
D6811		8-719-110-41	DIODE RD15ESB2	
D6812		8-719-991-33	DIODE 1SS133T-77	
D6813		8-719-110-41	DIODE RD15ESB2	
D6851		8-719-970-87	DIODE ERA38-06	
D6852		8-719-970-87	DIODE ERA38-06	
D6853		8-719-991-33	DIODE 1SS133T-77	
D6854		8-719-312-10	DIODE RU4AM-T3	
			< FERRITE BEAD >	
FB2604		1-535-303-00	LEAD,JUMPER (5.0MM)	
FB6602		1-410-396-41	FERRITE 0.45UH	
FB6603		1-410-396-41	FERRITE 0.45UH	
FB6604		1-535-303-00	LEAD,JUMPER (5.0MM)	
FB6807		1-535-303-00	LEAD,JUMPER (5.0MM)	
			< IC >	
IC2601		8-749-016-66	IC MCR5152	
IC2603		8-749-920-61	IC SE-135N	
IC6651		8-759-468-89	IC TOP209P	
IC6652		8-759-394-35	IC BA12T	
IC6653		8-759-544-13	IC KA78R09TU	
IC6654		8-759-574-76	IC KA78R05-SYDTU	
IC6667		8-759-908-15	IC TL431CLP	
IC6700		8-759-192-71	IC STV9379	
IC6801		8-759-103-93	IC UPC393C	
IC6803		8-749-013-76	IC PQ6RD83B	

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The components identified by shading and marked ⚠ are critical for safety
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REF. NO.		PART.NO	DESCRIPTION	REMARK
			< COIL >	
L6604		1-406-659-11	INDUCTOR 10UH	
L6605		1-412-523-41	INDUCTOR 6.8UH	
L6606		1-412-525-31	INDUCTOR 10UH	
L6620		1-406-658-21	INDUCTOR 6.8UH	
L6651		1-414-183-41	INDUCTOR 10UH	
L6700		1-412-524-11	INDUCTOR 8.2UH	
L6801		1-412-519-11	INDUCTOR 3.3UH	
L6802		1-412-519-11	INDUCTOR 3.3UH	
L6803		1-412-533-21	INDUCTOR 47UH	
L6805		1-408-947-00	INDUCTOR 2.2MMH	
L6806		1-535-303-00	LEAD,JUMPER (5.0MM)	
L6851		1-535-303-00	LEAD,JUMPER (5.0MM)	
			< FILTER >	
LF6603		1-406-659-11	INDUCTOR 10UH	
LF6604		1-406-659-11	INDUCTOR 10UH	
LF6801		1-419-482-11	INDUCTOR 1.5MMH	
LF6808		1-406-987-11	INDUCTOR 4.7MMH	
LF6851		1-406-674-11	INDUCTOR 3.3MMH	
			< PHOTO COUPLER >	
PH2602	⚠	8-749-010-64	PHOTO COUPLER PC123F2	
			< IC LINK >	
PS6603	⚠	1-801-549-21	PROTECTOR, MODULE 4.0A MP250	
PS6604	⚠	1-801-550-21	PROTECTOR, MODULE 2.5A MP250	
PS6607	⚠	1-576-432-21	LINK, IC	
PS6608	⚠	1-576-432-21	LINK, IC	
PS6609	⚠	1-801-550-21	PROTECTOR, MODULE 2.5A MP250	
PS6801	⚠	1-533-592-31	LINK, IC	
			< TRANSISTOR >	
Q2001		8-729-029-66	TRANSISTOR DTC114ESA	
Q2002		8-729-029-66	TRANSISTOR DTC114ESA	
Q6600		8-729-046-47	TRANSISTOR KSC2500-BTA	
Q6605		8-729-046-47	TRANSISTOR KSC2500-BTA	
Q6606		8-729-029-56	TRANSISTOR DTA144ESA	
Q6607		8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q6608		8-729-029-66	TRANSISTOR DTC114ESA	
Q6667		8-729-026-39	TRANSISTOR 2SA933AS-QT	
Q6700		8-729-039-68	TRANSISTOR IRF620	
Q6801		8-729-119-80	TRANSISTOR 2SC2688-LK	
Q6802		8-729-119-80	TRANSISTOR 2SC2688-LK	
Q6803		8-729-046-18	TRANSISTOR 2SC5480-01	
Q6804		8-729-046-18	TRANSISTOR 2SC5480-01	
Q6805		8-729-025-19	TRANSISTOR IRFI740G	
Q6806		8-729-025-19	TRANSISTOR IRFI740G	
Q6807		8-729-030-02	TRANSISTOR DTC144ESA	
Q6808		8-729-025-19	TRANSISTOR IRFI740G	
Q6809		8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q6810		8-729-026-39	TRANSISTOR 2SA933AS-QT	
Q6811		8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q6812		8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q6813		8-729-026-39	TRANSISTOR 2SA933AS-QT	
Q6820		8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q6821		8-729-026-39	TRANSISTOR 2SA933AS-QT	
Q6851		8-729-043-95	TRANSISTOR 2SC3840(3)	
		4-201-023-01	SPACER, INSULATING (Q6851)	
			< RESISTOR >	
R2001		1-214-779-00	METAL 120K 1% 1/4W	
R2002		1-215-451-00	METAL 18K 1% 1/4W	
R2003		1-249-429-11	CARBON 10K 5% 1/4W	
R2004		1-249-429-11	CARBON 10K 5% 1/4W	
R2601		1-249-401-11	CARBON 47 5% 1/4W	F
R2602		1-249-415-11	CARBON 680 5% 1/4W	
R2603		1-216-439-00	METAL OXIDE 12K 5% 1W	F
R2605		1-249-421-11	CARBON 2.2K 5% 1/4W	
R2631		1-215-481-00	METAL 330K 1% 1/4W	
R2632		1-215-481-00	METAL 330K 1% 1/4W	
R2633		1-215-481-00	METAL 330K 1% 1/4W	
R2634		1-214-755-00	METAL 12K 1% 1/4W	
R2641		1-215-433-00	METAL 3.3K 1% 1/4W	
R2643		1-249-413-11	CARBON 470 5% 1/4W	
R2650		1-215-421-00	METAL 1K 1% 1/4W	
R2652		1-215-397-00	METAL 100 1% 1/4W	
R2655		1-217-625-00	METAL 0.05 10% 2W	
R2661		1-216-377-11	METAL OXIDE 4.7 5% 2W	F
R2662		1-216-377-11	METAL OXIDE 4.7 5% 2W	F
R2664		1-249-421-11	CARBON 2.2K 5% 1/4W	
R2670		1-202-933-61	FUSIBLE 0.1 10% 1/2W	F
R2679		1-249-409-11	CARBON 220 5% 1/4W	F
R2680		1-249-421-11	CARBON 2.2K 5% 1/4W	F
R2717		1-214-945-00	METAL 2.2M 5% 1/2W	
R2718		1-214-945-00	METAL 2.2M 5% 1/2W	
R6601	⚠	1-205-998-11	CEMENTED 1 5% 10W	
R6602		1-247-863-91	CARBON 22K 5% 1/4W	
R6603		1-249-430-11	CARBON 12K 5% 1/4W	
R6604		1-249-421-11	CARBON 2.2K 5% 1/4W	
R6606	⚠	1-205-998-11	CEMENTED 1 5% 10W	
R6607	⚠	1-205-998-11	CEMENTED 1 5% 10W	
R6608	⚠	1-220-797-11	CEMENTED 0.47 5% 10W	F

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REF. NO.		PART.NO	DESCRIPTION			REMARK
R6609		1-249-413-11	CARBON	470	5%	1/4W
R6610	⚠	1-240-030-91	METAL	4.7M	5%	1/2W
R6611	⚠	1-240-030-91	METAL	4.7M	5%	1/2W
R6612		1-215-858-00	METAL OXIDE	15	5%	1W F
R6613		1-249-438-11	CARBON	56K	5%	1/4W
R6614		1-249-434-11	CARBON	27K	5%	1/4W
R6615		1-249-401-11	CARBON	47	5%	1/4W
R6632		1-207-905-00	WIREWOUND	0.27	10%	2W F
R6633		1-249-429-11	CARBON	10K	5%	1/4W
R6637		1-249-421-11	CARBON	2.2K	5%	1/4W
R6639		1-249-416-11	CARBON	820	5%	1/4W
R6640		1-247-831-91	CARBON	1K	5%	1/4W
R6641		1-260-127-11	CARBON	220K	5%	1/2W
R6642		1-249-389-11	CARBON	4.7	5%	1/4W F
R6645		1-260-131-11	CARBON	470K	5%	1/2W
R6646		1-249-429-11	CARBON	10K	5%	1/4W
R6647		1-249-410-11	CARBON	270	5%	1/4W
R6649		1-215-926-00	METAL OXIDE	33K	5%	3W F
R6651		1-247-791-91	CARBON	22	5%	1/4W
R6652		1-249-389-11	CARBON	4.7	5%	1/4W F
R6657		1-215-421-00	METAL	1K	1%	1/4W
R6667		1-215-441-00	METAL	6.8K	1%	1/4W
R6668		1-249-428-11	CARBON	8.2K	5%	1/4W
R6669		1-249-413-11	CARBON	470	5%	1/4W
R6689		1-247-843-11	CARBON	3.3K	5%	1/4W
R6691		1-215-446-00	METAL	11K	1%	1/4W
R6692		1-215-445-00	METAL	10K	1%	1/4W
R6700		1-215-441-00	METAL	6.8K	1%	1/4W
R6701		1-215-437-00	METAL	4.7K	1%	1/4W
R6702		1-215-441-00	METAL	6.8K	1%	1/4W
R6703		1-215-437-00	METAL	4.7K	1%	1/4W
R6704		1-249-383-11	CARBON	1.5	5%	1/4W F
R6705		1-247-791-91	CARBON	22	5%	1/4W
R6706		1-249-389-11	CARBON	4.7	5%	1/4W F
R6707		1-215-913-11	METAL OXIDE	220	5%	3W F
R6708		1-214-798-21	METAL	1.8	1%	1/2W
R6709		1-214-798-21	METAL	1.8	1%	1/2W
R6710		1-247-843-11	CARBON	3.3K	5%	1/4W
R6711		1-249-418-11	CARBON	1.2K	5%	1/4W
R6713		1-215-451-00	METAL	18K	1%	1/4W
R6714		1-215-451-00	METAL	18K	1%	1/4W
R6801		1-215-440-00	METAL	6.2K	1%	1/4W
R6802		1-214-915-00	METAL	120K	1%	1/2W
R6803		1-249-421-11	CARBON	2.2K	5%	1/4W
R6804		1-249-408-11	CARBON	180	5%	1/4W
R6805		1-249-408-11	CARBON	180	5%	1/4W
R6806		1-249-411-11	CARBON	330	5%	1/4W
R6807		1-249-411-11	CARBON	330	5%	1/4W
R6808		1-260-340-11	CARBON	10K	5%	1/2W
R6809		1-260-340-11	CARBON	10K	5%	1/2W
R6810		1-216-483-11	METAL OXIDE	2.7K	5%	3W F
R6811		1-216-460-11	METAL OXIDE	3.9K	5%	2W F
R6812		1-216-460-11	METAL OXIDE	3.9K	5%	2W F
R6813		1-215-919-11	METAL OXIDE	2.2K	5%	3W F
R6814		1-215-880-00	METAL OXIDE	10	5%	2W F
R6815		1-215-880-00	METAL OXIDE	10	5%	2W F
R6816		1-216-361-00	METAL OXIDE	0.22	5%	2W F
R6817		1-216-361-00	METAL OXIDE	0.22	5%	2W F
R6818		1-247-807-31	CARBON	100	5%	1/4W
R6819		1-247-807-31	CARBON	100	5%	1/4W
R6820		1-535-143-51	LEAD,JUMPER	(20.0MM)		
R6821		1-535-143-81	LEAD,JUMPER	(20.0MM)		
R6822		1-249-437-11	CARBON	47K	5%	1/4W
R6823		1-247-831-91	CARBON	1K	5%	1/4W
R6824		1-249-437-11	CARBON	47K	5%	1/4W
R6825		1-249-421-11	CARBON	2.2K	5%	1/4W
R6826		1-249-411-11	CARBON	330	5%	1/4W
R6829		1-535-303-00	LEAD,JUMPER	(5.0MM)		
R6831		1-260-124-11	CARBON	120K	5%	1/2W
R6832		1-216-434-11	METAL OXIDE	1.8K	5%	1W F
R6833		1-202-972-61	FUSIBLE	1	5%	1/4W F
R6834		1-249-377-11	CARBON	0.47	5%	1/4W F
R6835		1-249-377-11	CARBON	0.47	5%	1/4W F
R6836		1-214-898-81	METAL	24K	1%	1/2W
R6837		1-215-919-11	METAL OXIDE	2.2K	5%	3W F
R6838		1-214-899-81	METAL	27K	1%	1/2W
R6839		1-215-919-11	METAL OXIDE	2.2K	5%	3W F
R6840		1-249-422-11	CARBON	2.7K	5%	1/4W
R6842		1-260-123-11	CARBON	100K	5%	1/2W
R6843		1-249-429-11	CARBON	10K	5%	1/4W
R6844		1-249-441-11	CARBON	100K	5%	1/4W
R6845		1-247-863-91	CARBON	22K	5%	1/4W
R6850		1-249-421-11	CARBON	2.2K	5%	1/4W
R6851		1-260-123-11	CARBON	100K	5%	1/2W
R6852		1-260-123-11	CARBON	100K	5%	1/2W
R6853		1-260-123-11	CARBON	100K	5%	1/2W
R6855		1-249-421-11	CARBON	2.2K	5%	1/4W
R6856		1-216-485-11	METAL OXIDE	5.6K	5%	3W F
R6857		1-216-485-11	METAL OXIDE	5.6K	5%	3W F
R6858		1-216-485-11	METAL OXIDE	5.6K	5%	3W F
R6859		1-216-485-11	METAL OXIDE	5.6K	5%	3W F
R6860		1-249-425-11	CARBON	4.7K	5%	1/4W
R6861		1-249-425-11	CARBON	4.7K	5%	1/4W
R6885		1-215-493-00	METAL	1M	1%	1/4W

D E

The components identified by shading and marked ⚠ are critical for safety
Replace only with the part number specified.

REF. NO.	PART.NO	DESCRIPTION			REMARK
R6886	1-215-477-00	METAL	220K	1%	1/4W
R6887	1-215-461-00	METAL	47K	1%	1/4W
R6888	1-249-441-11	CARBON	100K	5%	1/4W
R6889	1-249-421-11	CARBON	2.2K	5%	1/4W
R6890	1-247-891-00	CARBON	330K	5%	1/4W
R6891	1-247-895-91	CARBON	470K	5%	1/4W
R6892	1-249-443-11	CARBON	0.47	5%	1/4W F
R6893	1-249-436-11	CARBON	39K	5%	1/4W
R6895	1-249-443-11	CARBON	0.47	5%	1/4W F
R6896	1-249-443-11	CARBON	0.47	5%	1/4W F
R6897	1-215-485-00	METAL	470K	1%	1/4W
R6898	1-215-493-00	METAL	1M	1%	1/4W
R6899	1-215-493-00	METAL	1M	1%	1/4W
R6900	1-260-288-11	CARBON	0.47	5%	1/2W
		< RELAY >			
RY6601	⚠ 1-755-388-11	RELAY (AC POWER)			
RY6602	⚠ 1-755-388-11	RELAY (AC POWER)			
		< TRANSFORMER >			
T6601	⚠ 1-435-158-11	TRANSFORMER, SWITCH MODE			
T6651	1-431-732-21	TRANSFORMER, CONVERTER (SRT)			
T6801	1-433-489-11	TRANSFORMER, FERRITE (HDT)			
T6802	1-433-489-11	TRANSFORMER, FERRITE (HDT)			
T6804	⚠ 1-453-332-11	TRANSFORMER ASSY, FLYBACK (NX-4601//J1B4)			
T6805	1-429-741-11	TRANSFORMER, DRIVE			
T6852	1-426-896-11	TRANSFORMER, FERRITE (DFT)			
		< THERMISTOR >			
TH6602	⚠ 1-803-540-11	THERMISTOR			
TH6660	1-803-586-11	THERMISTOR, NTC			
TH6700	1-800-193-00	THERMISTOR			

*A-1640-364-A E Board, Complete

REF. NO.	PART.NO	DESCRIPTION			REMARK
		< CAPACITOR >			
C4316	1-104-664-11	ELECT	47MF	20%	25V
C4317	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4318	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4319	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4320	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4321	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4322	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4324	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4325	1-163-093-00	CERAMIC CHIP	10PF	5%	50V
C4329	1-126-963-11	ELECT	4.7MF	20%	50V
C4330	1-137-581-11	FILM	0.1MF	5%	100V
C4331	1-126-959-11	ELECT	0.47MF	20%	50V
C4332	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4333	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4334	1-126-967-11	ELECT	47MF	20%	50V
C4336	1-126-967-11	ELECT	47MF	20%	50V
C4338	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4340	1-126-967-11	ELECT	47MF	20%	50V
C4342	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C4343	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4344	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V
C4345	1-126-967-11	ELECT	47MF	20%	50V
C4346	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4347	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4348	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4349	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4350	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4351	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C4352	1-126-967-11	ELECT	47MF	20%	50V
C4353	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C4354	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C4355	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4356	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4357	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4358	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4359	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C4360	1-126-963-11	ELECT	4.7MF	20%	50V
C4362	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4363	1-126-967-11	ELECT	47MF	20%	50V
C4364	1-126-967-11	ELECT	47MF	20%	50V
C4366	1-163-059-91	CERAMIC CHIP	0.01MF	10%	50V
C4367	1-164-004-91	CERAMIC CHIP	0.1MF	10%	50V
C4369	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4370	1-126-967-11	ELECT	47MF	20%	50V
C4371	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4377	1-126-960-11	ELECT	1MF	20%	50V
C4380	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C4519	1-164-004-91	CERAMIC CHIP	0.1MF	10%	50V
C4701	1-126-964-11	ELECT	10MF	20%	50V
C4702	1-126-964-11	ELECT	10MF	20%	50V
C4703	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4704	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C4705	1-126-964-11	ELECT	10MF	20%	50V
C4706	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C4707	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C4708	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C4709	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V

REF. NO.	PART.NO	DESCRIPTION	REMARK
C4710	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
C4712	1-126-961-11	ELECT 2.2MF 20% 50V	
C4713	1-164-004-11	CERAMIC CHIP 0.1MF 10% 25V	
		< CONNECTOR >	
CN4101	1-695-301-11	CONNECTOR, BOARD TO BOARD 40P	
CN4500	*1-564-511-11	PLUG, CONNECTOR 8P	
CN4502	*1-568-878-51	PIN, CONNECTOR 3P	
		< DIODE >	
D4304	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4305	8-719-923-60	DIODE MTZJ-T-77-9.1A	
D4311	8-719-914-43	DIODE DAN202K	
D4312	8-719-914-43	DIODE DAN202K	
D4313	8-719-401-63	DIODE MA3062M-TX	
D4702	8-719-914-43	DIODE DAN202K	
		< FERRITE BEAD >	
FB4387	1-414-234-22	INDUCTOR CHIP 0UH	
FB4388	1-414-234-22	INDUCTOR CHIP 0UH	
FB4389	1-414-234-22	INDUCTOR CHIP 0UH	
		< IC >	
IC4301	8-752-090-88	IC CXA2100AQ-TL	
IC4701	8-759-251-31	IC CA0007AM	
IC4702	8-759-998-98	IC LM358D	
IC4703	8-759-991-41	IC LM78L05ACZ	
		< COIL >	
L4301	1-414-183-41	INDUCTOR 10UH	
L4302	1-414-183-41	INDUCTOR 10UH	
L4303	1-414-183-41	INDUCTOR 10UH	
L4304	1-414-183-41	INDUCTOR 10UH	
L4305	1-414-183-41	INDUCTOR 10UH	
L4306	1-414-183-41	INDUCTOR 10UH	
L4308	1-414-186-31	INDUCTOR 33UH	
L4309	1-414-186-31	INDUCTOR 33UH	
		< TRANSISTOR >	
Q4304	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4307	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4308	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4309	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4310	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4311	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4312	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4313	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4315	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q4316	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q4317	8-729-900-53	TRANSISTOR DTC114EK	
Q4318	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4701	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4702	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
Q4703	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R	
		< RESISTOR >	
R4301	1-216-025-91	RES,CHIP 100 5% 1/10W	
R4302	1-216-025-91	RES,CHIP 100 5% 1/10W	
R4303	1-216-025-91	RES,CHIP 100 5% 1/10W	
R4304	1-216-025-91	RES,CHIP 100 5% 1/10W	
R4305	1-216-025-91	RES,CHIP 100 5% 1/10W	
R4306	1-216-025-91	RES,CHIP 100 5% 1/10W	
R4307	1-216-045-00	RES,CHIP 680 5% 1/10W	
R4308	1-216-045-00	RES,CHIP 680 5% 1/10W	
R4309	1-216-045-00	RES,CHIP 680 5% 1/10W	
R4313	1-216-065-91	RES,CHIP 4.7K 5% 1/10W	
R4314	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R4315	1-216-295-91	SHORT 0	
R4316	1-216-295-91	SHORT 0	
R4317	1-216-295-91	SHORT 0	
R4318	1-216-295-91	SHORT 0	
R4334	1-216-025-91	RES,CHIP 100 5% 1/10W	
R4335	1-216-025-91	RES,CHIP 100 5% 1/10W	
R4336	1-216-025-91	RES,CHIP 100 5% 1/10W	
R4337	1-216-025-91	RES,CHIP 100 5% 1/10W	
R4339	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R4340	1-216-111-00	RES,CHIP 390K 5% 1/10W	
R4341	1-216-295-91	SHORT 0	
R4343	1-216-025-91	RES,CHIP 100 5% 1/10W	
R4344	1-216-025-91	RES,CHIP 100 5% 1/10W	
R4345	1-216-677-11	METAL CHIP 12K 0.50% 1/10W	
R4346	1-216-681-11	METAL CHIP 18K 0.50% 1/10W	
R4347	1-216-025-91	RES,CHIP 100 5% 1/10W	
R4348	1-216-025-91	RES,CHIP 100 5% 1/10W	
R4350	1-216-025-91	RES,CHIP 100 5% 1/10W	
R4354	1-216-675-91	METAL CHIP 10K 0.50% 1/10W	
R4355	1-216-009-91	RES,CHIP 22 5% 1/10W	
R4356	1-216-009-91	RES,CHIP 22 5% 1/10W	
R4357	1-216-009-91	RES,CHIP 22 5% 1/10W	
R4358	1-216-071-00	RES,CHIP 8.2K 5% 1/10W	
R4359	1-216-041-00	RES,CHIP 470 5% 1/10W	
R4360	1-216-057-00	RES,CHIP 2.2K 5% 1/10W	
R4361	1-216-133-00	RES,CHIP 3.3M 5% 1/10W	
R4363	1-216-025-91	RES,CHIP 100 5% 1/10W	

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REF. NO.	PART.NO	DESCRIPTION			REMARK
R4365	1-216-025-91	RES,CHIP	100	5%	1/10W
R4366	1-216-025-91	RES,CHIP	100	5%	1/10W
R4367	1-216-025-91	RES,CHIP	100	5%	1/10W
R4370	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R4371	1-216-069-00	RES,CHIP	6.8K	5%	1/10W
R4372	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4373	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4374	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4375	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4376	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4377	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4378	1-216-101-00	RES,CHIP	150K	5%	1/10W
R4379	1-216-091-00	RES,CHIP	56K	5%	1/10W
R4380	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R4381	1-216-125-00	RES,CHIP	1.5M	5%	1/10W
R4382	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4383	1-216-079-00	RES,CHIP	18K	5%	1/10W
R4384	1-216-025-91	RES,CHIP	100	5%	1/10W
R4387	1-216-031-00	RES,CHIP	180	5%	1/10W
R4388	1-216-031-00	RES,CHIP	180	5%	1/10W
R4389	1-216-031-00	RES,CHIP	180	5%	1/10W
R4394	1-216-025-91	RES,CHIP	100	5%	1/10W
R4395	1-216-295-91	SHORT	0		
R4396	1-216-295-91	SHORT	0		
R4398	1-216-025-91	RES,CHIP	100	5%	1/10W
R4399	1-216-025-91	RES,CHIP	100	5%	1/10W
R4401	1-216-113-00	RES,CHIP	470K	5%	1/10W
R4402	1-216-125-00	RES,CHIP	1.5M	5%	1/10W
R4403	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4404	1-216-073-00	RES,CHIP	10K	5%	1/10W
R4405	1-216-689-11	RES,CHIP	39K	5%	1/10W
R4406	1-216-105-91	RES,CHIP	220K	5%	1/10W
R4407	1-216-091-00	RES,CHIP	56K	5%	1/10W
R4518	1-216-025-91	RES,CHIP	100	5%	1/10W
R4519	1-216-073-91	RES,CHIP	10K	5%	1/10W
R4520	1-216-295-91	SHORT	0		
R4521	1-216-295-91	SHORT	0		
R4522	1-216-073-91	RES,CHIP	10K	5%	1/10W
R4701	1-216-691-11	METAL CHIP	47K	0.50%	1/10W
R4702	1-216-691-11	METAL CHIP	47K	0.50%	1/10W
R4703	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R4704	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R4705	1-216-695-11	METAL CHIP	68K	0.50%	1/10W
R4706	1-216-693-11	METAL CHIP	56K	0.50%	1/10W
R4707	1-216-695-11	METAL CHIP	68K	0.50%	1/10W
R4708	1-216-693-11	METAL CHIP	56K	0.50%	1/10W
R4709	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R4710	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R4711	1-216-105-91	RES,CHIP	220K	5%	1/10W
R4714	1-216-049-91	RES,CHIP	1K	5%	1/10W
R4715	1-216-063-91	RES,CHIP	3.9K	5%	1/10W
R4716	1-216-295-91	SHORT	0		
R4717	1-218-760-11	METAL CHIP	220K	0.50%	1/10W
R4718	1-218-756-11	METAL CHIP	150K	0.50%	1/10W
R4719	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
		< CRYSTAL >			
X4300	1-767-127-11	VIBRATOR, CERAMIC			

*A-1644-102-A VM Board, Complete

4-382-854-11 SCREW (M3X10), P, SW (+)

< CAPACITOR >

C5400	1-107-883-11	ELECT	330MF	20%	16V
C5401	1-126-935-11	ELECT	470MF	20%	16V
C5402	1-137-370-11	MYLAR	0.01MF	5%	50V
C5403	1-126-935-11	ELECT	470MF	20%	6.3V
C5405	1-126-933-11	ELECT	100MF	20%	16V
C5406	1-126-935-11	ELECT	470MF	20%	6.3V
C5407	1-107-364-11	MYLAR	0.01MF	10%	200V
C5408	1-107-364-11	MYLAR	0.01MF	10%	200V
C5409	1-107-649-11	ELECT	2.2MF	20%	250V
C5410	1-130-471-00	MYLAR	0.001MF	5%	50V
C5411	1-130-471-00	MYLAR	0.001MF	5%	50V
C5412	1-126-935-11	ELECT	470MF	20%	16V
C5413	1-126-935-11	ELECT	470MF	20%	16V
C5414	1-107-652-11	ELECT	10MF	20%	250V
C5415	1-107-363-91	MYLAR	0.0068MF	10%	200V
C5417	1-102-959-91	CERAMIC	22PF	5%	50V
C5418	1-102-953-00	CERAMIC	18PF	5%	50V

< CONNECTOR >

CN5402	*1-568-878-51	PIN, CONNECTOR 3P
CN5444	*1-770-723-11	CONNECTOR, BOARD TO BOARD 8P
CN5602	*1-568-881-51	PIN, CONNECTOR 6P

< DIODE >

D5400	8-719-991-33	DIODE 1SS133T-77
D5401	8-719-510-02	DIODE D1NS4
D5402	1-535-303-00	LEAD,JUMPER (5.0MM)
D5403	8-719-991-33	DIODE 1SS133T-77
D5404	8-719-991-33	DIODE 1SS133T-77
D5405	8-719-924-11	DIODE MTZJ-T-77-22

REF. NO.	PART.NO	DESCRIPTION				REMARK
D5406	8-719-924-11	DIODE MTZJ-T-77-22				
		< FERRITE BEAD >				
FB5400	1-535-303-00	LEAD,JUMPER (5.0MM)				
FB5401	1-535-303-00	LEAD,JUMPER (5.0MM)				
		< COIL >				
L5400	1-410-784-41	INDUCTOR	0.18UH			
L5401	1-408-602-31	INDUCTOR	8.2UH			
		< TRANSISTOR >				
Q5400	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q5401	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q5402	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q5403	8-729-119-78	TRANSISTOR 2SC2785-HFE				
Q5404	8-729-026-39	TRANSISTOR 2SA933AS-QT				
Q5405	8-729-026-39	TRANSISTOR 2SA933AS-QT				
Q5406	8-729-045-05	TRANSISTOR 2SA2005				
Q5407	8-729-045-04	TRANSISTOR 2SC5511				
Q5408	8-729-026-39	TRANSISTOR 2SA933AS-QT				
Q5409	8-729-119-78	TRANSISTOR 2SC2785-HFE				
		< RESISTOR >				
R5401	1-249-421-11	CARBON	2.2K	5%	1/4W	
R5402	1-249-413-11	CARBON	470	5%	1/4W	
R5403	1-249-393-11	CARBON	10	5%	1/4W	F
R5404	1-249-418-11	CARBON	1.2K	5%	1/4W	
R5405	1-249-425-11	CARBON	4.7K	5%	1/4W	
R5406	1-249-425-11	CARBON	4.7K	5%	1/4W	
R5407	1-249-399-11	CARBON	33	5%	1/4W	
R5408	1-247-807-31	CARBON	100	5%	1/4W	
R5409	1-247-815-91	CARBON	220	5%	1/4W	
R5410	1-249-401-11	CARBON	47	5%	1/4W	
R5411	1-249-401-11	CARBON	47	5%	1/4W	
R5412	1-249-429-11	CARBON	10K	5%	1/4W	
R5413	1-249-414-11	CARBON	560	5%	1/4W	F
R5414	1-249-432-11	CARBON	18K	5%	1/4W	
R5415	1-247-739-11	CARBON	100	5%	1/2W	F
R5416	1-249-389-11	CARBON	4.7	5%	1/4W	F
R5417	1-249-432-11	CARBON	18K	5%	1/4W	
R5418	1-249-414-11	CARBON	560	5%	1/4W	
R5419	1-249-421-11	CARBON	2.2K	5%	1/4W	
R5420	1-249-421-11	CARBON	2.2K	5%	1/4W	
R5421	1-249-386-11	CARBON	2.7	5%	1/4W	F
R5422	1-249-405-11	CARBON	100	5%	1/4W	F
R5423	1-215-915-11	METAL OXIDE	470	5%	3W	F
R5425	1-535-303-00	LEAD,JUMPER (5.0MM)				
R5427	1-249-401-11	CARBON	47	5%	1/4W	
R5428	1-249-413-11	CARBON	470	5%	1/4W	
R5429	1-249-413-11	CARBON	470	5%	1/4W	
R5430	1-247-831-91	CARBON	1K	5%	1/4W	
R5432	1-249-415-11	CARBON	680	5%	1/4W	
R5433	1-249-400-11	CARBON	39	5%	1/4W	
R5434	1-249-395-11	CARBON	15	5%	1/4W	

*A-1646-205-A H1 Board, Complete

		< CAPACITOR >				
C7900	1-101-810-00	CERAMIC	100PF	5%	500V	
C7901	1-101-810-00	CERAMIC	100PF	5%	500V	
C7925	1-137-372-11	MYLAR	0.022MF	5%	50V	
C7926	1-137-372-11	MYLAR	0.022MF	5%	50V	
		< CONNECTOR >				
CN7103	1-764-334-11	PLUG, CONNECTOR 11P				
		< SOCKET >				
J7900	1-779-947-11	TERMINAL BLOCK, S				
J7925	1-785-448-11	JACK				
		< COIL >				
L7925	1-414-183-41	INDUCTOR	10UH			
L7926	1-414-183-41	INDUCTOR	10UH			
		< RESISTOR >				
R7900	1-535-303-00	LEAD,JUMPER (5.0MM)				
R7901	1-247-831-91	CARBON	1K	5%	1/4W	
R7902	1-247-895-91	CARBON	470K	5%	1/4W	
R7903	1-247-895-91	CARBON	470K	5%	1/4W	
R7904	1-535-303-00	LEAD,JUMPER (5.0MM)				
R7905	1-247-831-91	CARBON	1K	5%	1/4W	
R7906	1-535-303-00	LEAD,JUMPER (5.0MM)				
		< CAPACITOR >				
C7952	1-101-005-00	CERAMIC	0.022MF		50V	
C7953	1-101-005-00	CERAMIC	0.022MF		50V	
C7961	1-101-005-00	CERAMIC	0.022MF		50V	
C7962	1-101-005-00	CERAMIC	0.022MF		50V	
		< CONNECTOR >				
CN7101	1-573-299-21	CONNECTOR, BOARD TO BOARD 10P				
CN7977	*1-564-519-11	PLUG, CONNECTOR 4P				
CN7988	*1-564-519-11	PLUG, CONNECTOR 4P				
CN7990	*1-564-518-11	PLUG, CONNECTOR 3P				

U J

REF. NO.	PART.NO	DESCRIPTION	REMARK

*A-1648-030-A U Board, Complete

< JACK >

J7951	1-694-470-11	TERMINAL BOARD	
J7952	1-537-339-11	TERMINAL BOARD	

< COIL >

L7950	1-402-761-11	INDUCTOR	1UH
L7952	1-402-761-11	INDUCTOR	1UH
L7954	1-402-761-11	INDUCTOR	1UH
L7956	1-402-761-11	INDUCTOR	1UH

*A-1651-129-A J Board, Complete

< CAPACITOR >

C8105	1-126-933-11	ELECT	100MF	20%	16V
C8106	1-126-933-11	ELECT	100MF	20%	16V
C8107	1-126-935-11	ELECT	470MF	20%	16V
C8108	1-126-933-11	ELECT	100MF	20%	16V
C8109	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C8110	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C8111	1-126-933-11	ELECT	100MF	20%	16V
C8112	1-107-715-11	ELECT	22MF	20%	16V
C8144	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C8145	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C8150	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C8151	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C8152	1-164-346-11	CERAMIC CHIP	1MF		16V
C8153	1-107-682-11	CERAMIC CHIP	1MF	10%	16V
C8154	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C8155	1-107-682-11	CERAMIC CHIP	1MF	10%	16V
C8156	1-164-505-11	CERAMIC CHIP	2.2MF		16V
C8157	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C8159	1-104-664-11	ELECT	47MF	20%	16V
C8200	1-104-664-11	ELECT	47MF	20%	16V
C8201	1-163-241-11	CERAMIC CHIP	39PF	5%	50V
C8202	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C8203	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C8204	1-164-506-11	CERAMIC CHIP	4.7MF		16V
C8205	1-165-319-11	CERAMIC CHIP	0.1MF		50V
C8208	1-164-506-11	CERAMIC CHIP	4.7MF		16V
C8209	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C8210	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C8211	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C8212	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C8213	1-163-087-00	CERAMIC CHIP	4PF	0.25PF	50V
C8214	1-163-087-00	CERAMIC CHIP	4PF	0.25PF	50V
C8215	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C8216	1-126-933-11	ELECT	100MF	20%	16V
C8217	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C8218	1-126-964-11	ELECT	10MF	20%	50V
C8219	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C8220	1-126-964-11	ELECT	10MF	20%	50V
C8221	1-104-664-11	ELECT	47MF	20%	16V
C8222	1-104-664-11	ELECT	47MF	20%	16V
C8223	1-104-664-11	ELECT	47MF	20%	16V
C8224	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C8225	1-104-664-11	ELECT	47MF	20%	16V
C8227	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C8228	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C8229	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C8230	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C8231	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C8232	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C8233	1-104-664-11	ELECT	47MF	20%	16V
C8234	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C8235	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C8236	1-126-933-11	ELECT	100MF	20%	16V
C8237	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C8238	1-164-505-11	CERAMIC CHIP	2.2MF		16V
C8239	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C8240	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C8241	1-126-964-11	ELECT	10MF	20%	50V
C8242	1-104-664-11	ELECT	47MF	20%	16V
C8243	1-110-501-11	CERAMIC CHIP	0.33MF	10%	16V
C8250	1-164-506-11	CERAMIC CHIP	4.7MF		16V
C8251	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C8252	1-164-506-11	CERAMIC CHIP	4.7MF		16V
C8253	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C8254	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C8255	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C8256	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C8258	1-126-933-11	ELECT	100MF	20%	16V
C8260	1-126-933-11	ELECT	100MF	20%	16V
C8263	1-126-933-11	ELECT	100MF	20%	16V
C8265	1-163-135-00	CERAMIC CHIP	560PF	5%	50V
C8266	1-163-135-00	CERAMIC CHIP	560PF	5%	50V
C8301	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C8302	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C8303	1-126-933-11	ELECT	100MF	20%	16V
C8304	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
C8305	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C8306	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C8307	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V

REF. NO.	PART.NO	DESCRIPTION	REMARK
C8308	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8309	1-126-961-11	ELECT 2.2MF	20% 50V
C8311	1-104-664-11	ELECT 47MF	20% 16V
C8313	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C8314	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C8318	1-104-664-11	ELECT 47MF	20% 16V
C8321	1-104-664-11	ELECT 47MF	20% 16V
C8322	1-163-227-11	CERAMIC CHIP 10PF	0.5PF 50V
C8323	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8324	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8325	1-126-964-11	ELECT 10MF	20% 50V
C8326	1-104-664-11	ELECT 47MF	20% 16V
C8327	1-107-682-11	CERAMIC CHIP 1MF	10% 16V
C8328	1-104-664-11	ELECT 47MF	20% 16V
C8329	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C8331	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C8332	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8333	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8334	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8335	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C8336	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8337	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8338	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8345	1-164-346-11	CERAMIC CHIP 1MF	16V
C8346	1-126-963-11	ELECT 4.7MF	20% 50V
C8349	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
C8401	1-107-823-11	CERAMIC CHIP 0.47MF	10% 16V
C8402	1-163-037-11	CERAMIC CHIP 0.022MF	10% 50V
C8403	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C8404	1-126-961-11	ELECT 2.2MF	20% 50V
C8405	1-104-664-11	ELECT 47MF	20% 16V
C8406	1-104-664-11	ELECT 47MF	20% 16V
C8407	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8408	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8409	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8410	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C8411	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C8412	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8413	1-104-664-11	ELECT 47MF	20% 16V
C8414	1-104-664-11	ELECT 47MF	20% 16V
C8415	1-163-227-11	CERAMIC CHIP 10PF	0.5PF 50V
C8416	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8417	1-164-346-11	CERAMIC CHIP 1MF	16V
C8418	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8419	1-126-964-11	ELECT 10MF	20% 50V
C8420	1-104-664-11	ELECT 47MF	20% 16V
C8421	1-126-933-11	ELECT 100MF	20% 16V
C8423	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C8424	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8427	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C8437	1-126-963-11	ELECT 4.7MF	20% 50V
C8501	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C8503	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8504	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8505	1-126-933-11	ELECT 100MF	20% 16V
C8506	1-163-037-11	CERAMIC CHIP 0.022MF	10% 50V
C8507	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8508	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8509	1-126-933-11	ELECT 100MF	20% 16V
C8510	1-104-664-11	ELECT 47MF	20% 16V
C8511	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8512	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8513	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8514	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8515	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8516	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8517	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8518	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8519	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8520	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8521	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8601	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8602	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8605	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8606	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8607	1-104-664-11	ELECT 47MF	20% 16V
C8608	1-104-664-11	ELECT 47MF	20% 16V
C8609	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8610	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8611	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8612	1-115-340-11	CERAMIC CHIP 0.22MF	10% 25V
C8613	1-104-664-11	ELECT 47MF	20% 16V
C8614	1-104-664-11	ELECT 47MF	20% 16V
C8700	1-126-964-11	ELECT 10MF	20% 50V
C8701	1-104-664-11	ELECT 47MF	20% 16V
C8702	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C8703	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8704	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C8705	1-163-021-91	CERAMIC CHIP 0.01MF	10% 50V
C8706	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
C8707	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
C8708	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C8709	1-126-964-11	ELECT 10MF	20% 50V
C8710	1-126-933-11	ELECT 100MF	20% 16V

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REF. NO.	PART.NO	DESCRIPTION	REMARK
C8804	1-126-933-11	ELECT 100MF 20%	16V
C8806	1-163-253-11	CERAMIC CHIP 120PF 5%	50V
C8807	1-163-249-11	CERAMIC CHIP 82PF 5%	50V
C8808	1-163-249-11	CERAMIC CHIP 82PF 5%	50V
C8809	1-163-227-11	CERAMIC CHIP 10PF 0.5PF	50V
C8812	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C8814	1-104-664-11	ELECT 47MF 20%	25V
C8816	1-163-081-00	CERAMIC CHIP 0.22MF	25V
C8817	1-126-933-11	ELECT 100MF 20%	16V
C8818	1-163-253-11	CERAMIC CHIP 120PF 5%	50V
C8819	1-163-249-11	CERAMIC CHIP 82PF 5%	50V
C8820	1-163-249-11	CERAMIC CHIP 82PF 5%	50V
C8821	1-163-227-11	CERAMIC CHIP 10PF 0.5PF	50V
C8822	1-126-933-11	ELECT 100MF 20%	16V
C8823	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C8824	1-104-664-11	ELECT 47MF 20%	25V
C8825	1-115-340-11	CERAMIC CHIP 0.22MF 10%	25V
C8826	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C8827	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C8828	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C8829	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C8830	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C8831	1-126-964-11	ELECT 10MF 20%	50V
C8832	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C8833	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C8834	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C8835	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C8836	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C8837	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C8838	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C8839	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C8840	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C8841	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C8842	1-104-664-11	ELECT 47MF 20%	16V
C8843	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C8844	1-163-021-91	CERAMIC CHIP 0.01MF 10%	50V
C8846	1-126-933-11	ELECT 100MF 20%	16V
C8847	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C8849	1-164-346-11	CERAMIC CHIP 1MF	16V
C8850	1-164-346-11	CERAMIC CHIP 1MF	16V
C8851	1-126-967-11	ELECT 47MF 20%	50V
C8852	1-164-346-11	CERAMIC CHIP 1MF	16V
C8853	1-126-967-11	ELECT 47MF 20%	50V
C8854	1-164-346-11	CERAMIC CHIP 1MF	16V
C8855	1-164-346-11	CERAMIC CHIP 1MF	16V
C8856	1-164-346-11	CERAMIC CHIP 1MF	16V
C8857	1-164-346-11	CERAMIC CHIP 1MF	16V
C8858	1-164-346-11	CERAMIC CHIP 1MF	16V
C8859	1-164-346-11	CERAMIC CHIP 1MF	16V
C8860	1-164-346-11	CERAMIC CHIP 1MF	16V
C8861	1-164-346-11	CERAMIC CHIP 1MF	16V
C8862	1-164-346-11	CERAMIC CHIP 1MF	16V
C8863	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C8864	1-164-346-11	CERAMIC CHIP 1MF	16V
C8865	1-104-664-11	ELECT 47MF 20%	16V
C8866	1-164-346-11	CERAMIC CHIP 1MF	16V
C8867	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C8868	1-126-964-11	ELECT 10MF 20%	50V
C8869	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C8896	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C8897	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C8898	1-163-227-11	CERAMIC CHIP 10PF 0.5PF	50V
C8899	1-163-227-11	CERAMIC CHIP 10PF 0.5PF	50V
C8900	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C8901	1-163-017-00	CERAMIC CHIP 0.0047MF 10%	50V
C8902	1-163-017-00	CERAMIC CHIP 0.0047MF 10%	50V
C8903	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C8904	1-163-017-00	CERAMIC CHIP 0.0047MF 10%	50V
C8905	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C8906	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C8907	1-163-017-00	CERAMIC CHIP 0.0047MF 10%	50V
C8908	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C8909	1-163-017-00	CERAMIC CHIP 0.0047MF 10%	50V
C8910	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C8911	1-163-017-00	CERAMIC CHIP 0.0047MF 10%	50V
C8914	1-126-933-11	ELECT 100MF 20%	16V
C8977	1-163-009-11	CERAMIC CHIP 0.001MF 10%	50V
C8978	1-163-009-11	CERAMIC CHIP 0.001MF 10%	50V
		< FILTER >	
CF8150	1-760-106-11	FILTER, CERAMIC	
CF8151	1-567-100-00	FILTER, CERAMIC	
CF8152	1-760-450-21	FILTER, CERAMIC	
CF8200	1-409-327-00	TRAP, CERAMIC (6.5MHZ)	
		< CONNECTOR >	
CN8101	1-695-302-11	CONNECTOR, BOARD TO BOARD 50P	
CN8102	*1-564-518-11	PLUG, CONNECTOR 3P	
CN8900	1-561-534-41	SOCKET, PIN 21P	
CN8901	1-695-293-11	SOCKET 21P	
CN8902	1-695-293-11	SOCKET 21P	
		< DIODE >	
D8150	8-719-421-57	DIODE MA73-TX	

REF. NO.	PART.NO	DESCRIPTION	REMARK
D8151	8-719-421-57	DIODE MA73-TX	
D8152	8-719-421-57	DIODE MA73-TX	
D8153	8-719-056-83	DIODE UDZ-TE-17-6.8B	
D8200	8-719-158-49	DIODE RD12SB2	
D8201	8-719-158-49	DIODE RD12SB2	
D8202	8-719-158-49	DIODE RD12SB2	
D8203	8-719-158-49	DIODE RD12SB2	
D8801	8-719-158-49	DIODE RD12SB2	
D8802	8-719-158-49	DIODE RD12SB2	
D8803	8-719-158-49	DIODE RD12SB2	
D8804	8-719-158-49	DIODE RD12SB2	
D8805	8-719-158-49	DIODE RD12SB2	
D8806	8-719-158-49	DIODE RD12SB2	
D8807	8-719-158-49	DIODE RD12SB2	
D8808	8-719-158-49	DIODE RD12SB2	
D8809	8-719-158-49	DIODE RD12SB2	
D8810	8-719-158-49	DIODE RD12SB2	
D8811	8-719-158-49	DIODE RD12SB2	
D8812	8-719-158-49	DIODE RD12SB2	
D8813	8-719-158-49	DIODE RD12SB2	
D8814	8-719-158-49	DIODE RD12SB2	
D8900	8-719-056-85	DIODE UDZ-TE-17-8.2B	
D8901	8-719-158-49	DIODE RD12SB2	
D8902	8-719-056-85	DIODE UDZ-TE-17-8.2B	
D8903	8-719-056-85	DIODE UDZ-TE-17-8.2B	
D8904	8-719-056-85	DIODE UDZ-TE-17-8.2B	
D8905	8-719-056-85	DIODE UDZ-TE-17-8.2B	
D8906	8-719-056-85	DIODE UDZ-TE-17-8.2B	
D8907	8-719-158-49	DIODE RD12SB2	
D8908	8-719-056-85	DIODE UDZ-TE-17-8.2B	
D8909	8-719-056-85	DIODE UDZ-TE-17-8.2B	
D8910	8-719-056-85	DIODE UDZ-TE-17-8.2B	
D8911	8-719-056-85	DIODE UDZ-TE-17-8.2B	
D8912	8-719-158-49	DIODE RD12SB2	
D8913	8-719-158-49	DIODE RD12SB2	
D8914	8-719-158-49	DIODE RD12SB2	
D8915	8-719-158-49	DIODE RD12SB2	
		< FILTER >	
FL8200	1-236-071-11	ENCAPSULATED COMPONENT	
FL8201	1-233-764-21	FILTER	
FL8203	1-236-071-11	ENCAPSULATED COMPONENT	
FL8250	1-236-071-11	ENCAPSULATED COMPONENT	
FL8251	1-236-071-11	ENCAPSULATED COMPONENT	
FL8252	1-236-071-11	ENCAPSULATED COMPONENT	
FL8302	1-236-071-11	ENCAPSULATED COMPONENT	
FL8304	1-236-071-11	ENCAPSULATED COMPONENT	
FL8308	1-236-071-11	ENCAPSULATED COMPONENT	
FL8401	1-236-071-11	ENCAPSULATED COMPONENT	
FL8402	1-236-071-11	ENCAPSULATED COMPONENT	
FL8403	1-236-071-11	ENCAPSULATED COMPONENT	
FL8500	1-236-071-11	ENCAPSULATED COMPONENT	
FL8501	1-236-071-11	ENCAPSULATED COMPONENT	
FL8502	1-233-765-21	FILTER	
FL8503	1-233-768-21	FILTER	
FL8504	1-233-766-21	FILTER	
FL8700	1-236-071-11	ENCAPSULATED COMPONENT	
FL8701	1-236-071-11	ENCAPSULATED COMPONENT	
FL8801	1-236-071-11	ENCAPSULATED COMPONENT	
FL8802	1-236-071-11	ENCAPSULATED COMPONENT	
		< IC >	
IC8101	8-759-576-76	IC TDA2822D013TR	
IC8150	8-759-478-90	IC U2861B-MFP-G3	
IC8151	8-752-072-94	IC CXA1875AM-T4	
IC8200	8-759-544-10	IC MSP3410D-QA-B4	
IC8201	8-759-701-36	IC NJM3403AM	
IC8202	8-759-908-15	IC TL431CLP	
IC8250	8-759-567-38	IC TC9337F-034	
IC8301	8-752-096-08	IC CXA2123BQ-T6	
IC8302	8-759-485-79	IC TC7SET08FU(TE85L)	
IC8401	8-752-096-08	IC CXA2123BQ-T6	
IC8402	8-759-485-79	IC TC7SET08FU(TE85L)	
IC8500	8-752-390-37	IC CXD2064Q-T6	
IC8601	8-759-182-88	IC PQ09TZ5U	
IC8602	8-759-576-72	IC LF50CDT-TR	
IC8603	8-759-576-72	IC LF50CDT-TR	
IC8604	8-759-576-72	IC LF50CDT-TR	
IC8700	8-752-390-35	IC CXD2057M-T6	
IC8801	8-752-093-50	IC CXA2149Q-TL	
		< SOCKET >	
J8901	1-774-747-11	JACK BLOCK, PIN	
		< COIL >	
L8150	1-414-757-11	INDUCTOR 100UH	
L8200	1-412-006-31	INDUCTOR CHIP 10UH	
L8201	1-412-064-11	INDUCTOR CHIP 100UH	
L8301	1-412-006-31	INDUCTOR CHIP 10UH	
L8801	1-412-751-11	INDUCTOR 18UH	
L8802	1-412-751-11	INDUCTOR 18UH	

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REF. NO.	PART.NO	DESCRIPTION	REMARK
		< TRANSISTOR >	
Q8100	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8101	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8150	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8151	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q8152	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q8153	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q8154	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q8156	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8157	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8200	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8201	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8202	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8300	8-729-216-22	TRANSISTOR 2SA1162-G	
Q8302	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8303	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8305	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8306	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8308	8-729-038-96	TRANSISTOR IMZ1A-T109	
Q8309	8-729-038-96	TRANSISTOR IMZ1A-T109	
Q8310	8-729-038-96	TRANSISTOR IMZ1A-T109	
Q8401	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8402	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8403	8-729-038-96	TRANSISTOR IMZ1A-T109	
Q8404	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8405	8-729-038-96	TRANSISTOR IMZ1A-T109	
Q8406	8-729-038-96	TRANSISTOR IMZ1A-T109	
Q8501	8-729-216-22	TRANSISTOR 2SA1162-G	
Q8503	8-729-216-22	TRANSISTOR 2SA1162-G	
Q8504	8-729-216-22	TRANSISTOR 2SA1162-G	
Q8700	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8804	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8808	8-729-039-67	TRANSISTOR BSS83	
Q8809	8-729-216-22	TRANSISTOR 2SA1162-G	
Q8812	8-729-038-96	TRANSISTOR IMZ1A-T109	
Q8813	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8814	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8815	8-729-039-67	TRANSISTOR BSS83	
Q8816	8-729-216-22	TRANSISTOR 2SA1162-G	
Q8817	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8818	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8819	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8820	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8901	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q8902	8-729-216-22	TRANSISTOR 2SA1162-G	

REF. NO.	PART.NO	DESCRIPTION			REMARK
		< RESISTOR >			
JR8101	1-216-295-91	SHORT	0		
JR8402	1-216-295-91	SHORT	0		
R8103	1-216-075-00	RES,CHIP	12K	5%	1/10W
R8104	1-216-075-00	RES,CHIP	12K	5%	1/10W
R8105	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R8106	1-216-081-00	RES,CHIP	22K	5%	1/10W
R8107	1-216-081-00	RES,CHIP	22K	5%	1/10W
R8108	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R8109	1-249-389-11	CARBON	4.7	5%	1/4W F
R8110	1-249-389-11	CARBON	4.7	5%	1/4W F
R8111	1-216-033-00	RES,CHIP	220	5%	1/10W
R8112	1-216-033-00	RES,CHIP	220	5%	1/10W
R8115	1-216-029-00	RES,CHIP	150	5%	1/10W
R8116	1-216-029-00	RES,CHIP	150	5%	1/10W
R8117	1-216-029-00	RES,CHIP	150	5%	1/10W
R8118	1-216-029-00	RES,CHIP	150	5%	1/10W
R8150	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R8151	1-216-069-00	RES,CHIP	6.8K	5%	1/10W
R8152	1-216-035-00	RES,CHIP	270	5%	1/10W
R8153	1-216-081-00	RES,CHIP	22K	5%	1/10W
R8154	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
R8155	1-216-043-91	RES,CHIP	560	5%	1/10W
R8156	1-216-081-00	RES,CHIP	22K	5%	1/10W
R8157	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
R8158	1-216-043-91	RES,CHIP	560	5%	1/10W
R8159	1-216-081-00	RES,CHIP	22K	5%	1/10W
R8160	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
R8161	1-216-043-91	RES,CHIP	560	5%	1/10W
R8162	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8163	1-216-295-91	SHORT	0		
R8164	1-216-295-91	SHORT	0		
R8165	1-216-295-91	SHORT	0		
R8167	1-216-025-91	RES,CHIP	100	5%	1/10W
R8168	1-216-025-91	RES,CHIP	100	5%	1/10W
R8174	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R8175	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R8176	1-216-295-91	SHORT	0		
R8178	1-216-073-00	RES,CHIP	10K	5%	1/10W
R8200	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8201	1-216-295-91	SHORT	0		
R8202	1-216-021-00	RES,CHIP	68	5%	1/10W
R8203	1-216-069-00	RES,CHIP	6.8K	5%	1/10W
R8204	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8205	1-216-069-00	RES,CHIP	6.8K	5%	1/10W
R8206	1-216-049-91	RES,CHIP	1K	5%	1/10W

REF. NO.	PART.NO	DESCRIPTION			REMARK
R8208	1-216-037-00	RES,CHIP	330	5%	1/10W
R8209	1-216-659-11	METAL CHIP	2.2K	0.50%	1/10W
R8210	1-216-025-91	RES,CHIP	100	5%	1/10W
R8212	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8213	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8214	1-216-295-91	SHORT	0		
R8215	1-216-295-91	SHORT	0		
R8216	1-216-025-91	RES,CHIP	100	5%	1/10W
R8217	1-216-025-91	RES,CHIP	100	5%	1/10W
R8218	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8219	1-216-025-91	RES,CHIP	100	5%	1/10W
R8220	1-216-025-91	RES,CHIP	100	5%	1/10W
R8221	1-216-025-91	RES,CHIP	100	5%	1/10W
R8222	1-216-295-91	SHORT	0		
R8223	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8224	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8225	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8226	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8227	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8228	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8229	1-216-295-91	SHORT	0		
R8230	1-216-081-00	RES,CHIP	22K	5%	1/10W
R8231	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8232	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8233	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8234	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8235	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8236	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8237	1-216-043-91	RES,CHIP	560	5%	1/10W
R8238	1-216-063-91	RES,CHIP	3.9K	5%	1/10W
R8239	1-216-069-00	RES,CHIP	6.8K	5%	1/10W
R8240	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R8243	1-216-021-00	RES,CHIP	68	5%	1/10W
R8244	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
R8245	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
R8250	1-216-295-91	SHORT	0		
R8251	1-216-295-91	SHORT	0		
R8252	1-216-295-91	SHORT	0		
R8253	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
R8254	1-216-097-91	RES,CHIP	100K	5%	1/10W
R8255	1-216-025-91	RES,CHIP	100	5%	1/10W
R8256	1-216-295-91	SHORT	0		
R8257	1-216-025-91	RES,CHIP	100	5%	1/10W
R8258	1-216-025-91	RES,CHIP	100	5%	1/10W
R8259	1-216-081-00	RES,CHIP	22K	5%	1/10W
R8300	1-216-295-91	SHORT	0		
R8302	1-216-017-91	RES,CHIP	47	5%	1/10W
R8306	1-216-083-00	RES,CHIP	27K	5%	1/10W
R8307	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8308	1-216-039-00	RES,CHIP	390	5%	1/10W
R8309	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8310	1-216-037-00	RES,CHIP	330	5%	1/10W
R8312	1-216-091-00	RES,CHIP	56K	5%	1/10W
R8313	1-216-081-00	RES,CHIP	22K	5%	1/10W
R8314	1-216-295-91	SHORT	0		
R8315	1-216-121-91	RES,CHIP	1M	5%	1/10W
R8316	1-216-037-00	RES,CHIP	330	5%	1/10W
R8317	1-216-295-91	SHORT	0		
R8318	1-216-295-91	SHORT	0		
R8319	1-216-295-91	SHORT	0		
R8320	1-216-041-00	RES,CHIP	470	5%	1/10W
R8322	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8323	1-216-017-91	RES,CHIP	47	5%	1/10W
R8324	1-216-041-00	RES,CHIP	470	5%	1/10W
R8326	1-216-017-91	RES,CHIP	47	5%	1/10W
R8328	1-216-025-91	RES,CHIP	100	5%	1/10W
R8329	1-216-025-91	RES,CHIP	100	5%	1/10W
R8330	1-216-041-00	RES,CHIP	470	5%	1/10W
R8331	1-216-041-00	RES,CHIP	470	5%	1/10W
R8332	1-216-041-00	RES,CHIP	470	5%	1/10W
R8333	1-216-041-00	RES,CHIP	470	5%	1/10W
R8334	1-216-041-00	RES,CHIP	470	5%	1/10W
R8336	1-216-041-00	RES,CHIP	470	5%	1/10W
R8337	1-216-041-00	RES,CHIP	470	5%	1/10W
R8338	1-216-017-91	RES,CHIP	47	5%	1/10W
R8339	1-216-017-91	RES,CHIP	47	5%	1/10W
R8340	1-216-063-91	RES,CHIP	3.9K	5%	1/10W
R8341	1-216-041-00	RES,CHIP	470	5%	1/10W
R8344	1-216-091-00	RES,CHIP	56K	5%	1/10W
R8345	1-216-079-00	RES,CHIP	18K	5%	1/10W
R8346	1-216-091-00	RES,CHIP	56K	5%	1/10W
R8347	1-216-079-00	RES,CHIP	18K	5%	1/10W
R8350	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8401	1-216-295-91	SHORT	0		
R8402	1-216-295-91	SHORT	0		
R8403	1-216-083-00	RES,CHIP	27K	5%	1/10W
R8405	1-216-063-91	RES,CHIP	3.9K	5%	1/10W
R8406	1-216-017-91	RES,CHIP	47	5%	1/10W
R8407	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8408	1-216-039-00	RES,CHIP	390	5%	1/10W
R8409	1-216-017-91	RES,CHIP	47	5%	1/10W
R8412	1-216-025-91	RES,CHIP	100	5%	1/10W
R8413	1-216-025-91	RES,CHIP	100	5%	1/10W
R8416	1-216-091-00	RES,CHIP	56K	5%	1/10W

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REF. NO.	PART.NO	DESCRIPTION			REMARK
R8417	1-216-081-00	RES,CHIP	22K	5%	1/10W
R8418	1-216-295-91	SHORT	0		
R8419	1-216-041-00	RES,CHIP	470	5%	1/10W
R8420	1-216-041-00	RES,CHIP	470	5%	1/10W
R8421	1-216-041-00	RES,CHIP	470	5%	1/10W
R8422	1-216-037-00	RES,CHIP	330	5%	1/10W
R8423	1-216-041-00	RES,CHIP	470	5%	1/10W
R8424	1-216-041-00	RES,CHIP	470	5%	1/10W
R8425	1-216-041-00	RES,CHIP	470	5%	1/10W
R8426	1-216-017-91	RES,CHIP	47	5%	1/10W
R8427	1-216-017-91	RES,CHIP	47	5%	1/10W
R8428	1-216-017-91	RES,CHIP	47	5%	1/10W
R8429	1-216-041-00	RES,CHIP	470	5%	1/10W
R8430	1-216-037-00	RES,CHIP	330	5%	1/10W
R8431	1-216-041-00	RES,CHIP	470	5%	1/10W
R8432	1-216-041-00	RES,CHIP	470	5%	1/10W
R8433	1-216-041-00	RES,CHIP	470	5%	1/10W
R8435	1-216-091-00	RES,CHIP	56K	5%	1/10W
R8436	1-216-079-00	RES,CHIP	18K	5%	1/10W
R8437	1-216-091-00	RES,CHIP	56K	5%	1/10W
R8438	1-216-079-00	RES,CHIP	18K	5%	1/10W
R8439	1-216-295-91	SHORT	0		
R8506	1-216-091-00	RES,CHIP	56K	5%	1/10W
R8507	1-216-295-91	SHORT	0		
R8508	1-216-043-91	RES,CHIP	560	5%	1/10W
R8509	1-216-031-00	RES,CHIP	180	5%	1/10W
R8510	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
R8511	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8512	1-216-295-91	SHORT	0		
R8514	1-216-017-91	RES,CHIP	47	5%	1/10W
R8517	1-216-295-91	SHORT	0		
R8519	1-216-037-00	RES,CHIP	330	5%	1/10W
R8520	1-216-041-00	RES,CHIP	470	5%	1/10W
R8521	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R8522	1-216-041-00	RES,CHIP	470	5%	1/10W
R8523	1-216-033-00	RES,CHIP	220	5%	1/10W
R8524	1-216-295-91	SHORT	0		
R8526	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R8527	1-216-047-91	RES,CHIP	820	5%	1/10W
R8528	1-216-047-91	RES,CHIP	820	5%	1/10W
R8529	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
R8530	1-216-051-00	RES,CHIP	1.2K	5%	1/10W
R8531	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R8532	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8700	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8701	1-216-073-00	RES,CHIP	10K	5%	1/10W
R8702	1-216-025-91	RES,CHIP	100	5%	1/10W
R8703	1-216-025-91	RES,CHIP	100	5%	1/10W
R8704	1-216-025-91	RES,CHIP	100	5%	1/10W
R8705	1-216-295-91	SHORT	0		
R8706	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8707	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8708	1-216-081-00	RES,CHIP	22K	5%	1/10W
R8709	1-216-059-00	RES,CHIP	2.7K	5%	1/10W
R8806	1-216-085-00	RES,CHIP	33K	5%	1/10W
R8807	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8811	1-216-037-00	RES,CHIP	330	5%	1/10W
R8812	1-216-037-00	RES,CHIP	330	5%	1/10W
R8818	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8819	1-216-041-00	RES,CHIP	470	5%	1/10W
R8823	1-216-073-00	RES,CHIP	10K	5%	1/10W
R8825	1-216-025-91	RES,CHIP	100	5%	1/10W
R8826	1-216-051-00	RES,CHIP	1.2K	5%	1/10W
R8833	1-216-041-00	RES,CHIP	470	5%	1/10W
R8834	1-216-041-00	RES,CHIP	470	5%	1/10W
R8835	1-216-041-00	RES,CHIP	470	5%	1/10W
R8838	1-216-025-91	RES,CHIP	100	5%	1/10W
R8839	1-216-085-00	RES,CHIP	33K	5%	1/10W
R8840	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8841	1-216-025-91	RES,CHIP	100	5%	1/10W
R8842	1-216-037-00	RES,CHIP	330	5%	1/10W
R8843	1-216-037-00	RES,CHIP	330	5%	1/10W
R8844	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8845	1-216-041-00	RES,CHIP	470	5%	1/10W
R8847	1-216-073-00	RES,CHIP	10K	5%	1/10W
R8848	1-216-035-00	RES,CHIP	270	5%	1/10W
R8849	1-216-025-91	RES,CHIP	100	5%	1/10W
R8850	1-216-033-00	RES,CHIP	220	5%	1/10W
R8851	1-216-059-00	RES,CHIP	2.7K	5%	1/10W
R8853	1-216-051-00	RES,CHIP	1.2K	5%	1/10W
R8854	1-216-029-00	RES,CHIP	150	5%	1/10W
R8855	1-216-031-00	RES,CHIP	180	5%	1/10W
R8856	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
R8857	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8858	1-216-079-00	RES,CHIP	18K	5%	1/10W
R8859	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R8861	1-216-295-91	SHORT	0		
R8862	1-216-295-91	SHORT	0		
R8863	1-216-295-91	SHORT	0		
R8865	1-216-022-00	RES,CHIP	75	5%	1/10W
R8866	1-216-022-00	RES,CHIP	75	5%	1/10W
R8867	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8868	1-216-017-91	RES,CHIP	47	5%	1/10W
R8869	1-216-017-91	RES,CHIP	47	5%	1/10W

REF. NO.	PART.NO	DESCRIPTION			REMARK
R8871	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8872	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R8873	1-216-113-00	RES,CHIP	470K	5%	1/10W
R8874	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R8875	1-216-113-00	RES,CHIP	470K	5%	1/10W
R8876	1-216-093-91	RES,CHIP	68K	5%	1/10W
R8877	1-216-093-91	RES,CHIP	68K	5%	1/10W
R8878	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R8879	1-216-689-11	METAL CHIP	39K	0.50%	1/10W
R8881	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8882	1-216-079-00	RES,CHIP	18K	5%	1/10W
R8883	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R8885	1-216-645-11	METAL CHIP	560	0.50%	1/10W
R8886	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R8888	1-216-033-00	RES,CHIP	220	5%	1/10W
R8889	1-216-033-00	RES,CHIP	220	5%	1/10W
R8890	1-216-295-91	SHORT	0		
R8892	1-216-295-91	SHORT	0		
R8893	1-216-295-91	SHORT	0		
R8900	1-216-039-00	RES,CHIP	390	5%	1/10W
R8901	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8902	1-216-039-00	RES,CHIP	390	5%	1/10W
R8903	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8904	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8905	1-216-113-00	RES,CHIP	470K	5%	1/10W
R8906	1-216-035-00	RES,CHIP	270	5%	1/10W
R8907	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R8908	1-216-035-00	RES,CHIP	270	5%	1/10W
R8909	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8911	1-216-025-91	RES,CHIP	100	5%	1/10W
R8913	1-216-022-00	RES,CHIP	75	5%	1/10W
R8914	1-216-071-00	RES,CHIP	8.2K	5%	1/10W
R8915	1-216-022-00	RES,CHIP	75	5%	1/10W
R8916	1-216-017-91	RES,CHIP	47	5%	1/10W
R8917	1-216-017-91	RES,CHIP	47	5%	1/10W
R8918	1-216-113-00	RES,CHIP	470K	5%	1/10W
R8919	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R8922	1-216-022-00	RES,CHIP	75	5%	1/10W
R8923	1-216-022-00	RES,CHIP	75	5%	1/10W
R8924	1-216-022-00	RES,CHIP	75	5%	1/10W
R8925	1-216-022-00	RES,CHIP	75	5%	1/10W
R8926	1-216-017-91	RES,CHIP	47	5%	1/10W
R8927	1-216-017-91	RES,CHIP	47	5%	1/10W
R8928	1-216-017-91	RES,CHIP	47	5%	1/10W
R8929	1-216-039-00	RES,CHIP	390	5%	1/10W
R8930	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8931	1-216-039-00	RES,CHIP	390	5%	1/10W
R8932	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8933	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8934	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8935	1-216-113-00	RES,CHIP	470K	5%	1/10W
R8936	1-216-113-00	RES,CHIP	470K	5%	1/10W
R8937	1-216-035-00	RES,CHIP	270	5%	1/10W
R8938	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R8939	1-216-035-00	RES,CHIP	270	5%	1/10W
R8940	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R8941	1-216-025-91	RES,CHIP	100	5%	1/10W
R8942	1-216-009-91	RES,CHIP	22	5%	1/10W
R8943	1-216-022-00	RES,CHIP	75	5%	1/10W
R8944	1-216-071-00	RES,CHIP	8.2K	5%	1/10W
R8945	1-216-022-00	RES,CHIP	75	5%	1/10W
R8946	1-216-017-91	RES,CHIP	47	5%	1/10W
R8947	1-216-039-00	RES,CHIP	390	5%	1/10W
R8948	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8949	1-216-022-00	RES,CHIP	75	5%	1/10W
R8950	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8951	1-216-017-91	RES,CHIP	47	5%	1/10W
R8952	1-216-113-00	RES,CHIP	470K	5%	1/10W
R8953	1-216-035-00	RES,CHIP	270	5%	1/10W
R8954	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R8955	1-216-039-00	RES,CHIP	390	5%	1/10W
R8956	1-216-049-91	RES,CHIP	1K	5%	1/10W
R8957	1-216-025-91	RES,CHIP	100	5%	1/10W
R8958	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8959	1-216-022-00	RES,CHIP	75	5%	1/10W
R8960	1-216-017-91	RES,CHIP	47	5%	1/10W
R8961	1-216-022-00	RES,CHIP	75	5%	1/10W
R8962	1-216-071-00	RES,CHIP	8.2K	5%	1/10W
R8963	1-216-113-00	RES,CHIP	470K	5%	1/10W
R8964	1-216-035-00	RES,CHIP	270	5%	1/10W
R8965	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R8968	1-216-022-00	RES,CHIP	75	5%	1/10W
R8969	1-216-017-91	RES,CHIP	47	5%	1/10W
R8974	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R8977	1-216-037-00	RES,CHIP	330	5%	1/10W
R8978	1-216-037-00	RES,CHIP	330	5%	1/10W
R8979	1-216-045-00	RES,CHIP	680	5%	1/10W
R8980	1-216-045-00	RES,CHIP	680	5%	1/10W
R8981	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8982	1-216-079-00	RES,CHIP	18K	5%	1/10W
R8994	1-216-073-00	RES,CHIP	10K	5%	1/10W
R8995	1-216-089-91	RES,CHIP	47K	5%	1/10W
R8996	1-216-059-00	RES,CHIP	2.7K	5%	1/10W
R8997	1-216-071-00	RES,CHIP	8.2K	5%	1/10W

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The components identified by shading and marked ⚠ are critical for safety
Replace only with the part number specified.

REF. NO.	PART.NO	DESCRIPTION	REMARK
R8998	1-216-041-00	RES,CHIP 470 5% 1/10W	
		< CRYSTAL >	
X8200	1-781-148-21	VIBRATOR, CRYSTAL	
X8301	1-781-612-21	VIBRATOR, CRYSTAL	
X8401	1-781-612-21	VIBRATOR, CRYSTAL	
X8700	1-767-342-21	VIBRATOR, CRYSTAL	

MISCELLANEOUS

⚠	1-419-264-11	COIL DEGAUSSING	
	1-452-032-11	MAGNET, DISK; 10MM	
	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM	
⚠	1-453-332-11	TRANSFORMER ASSY, FLYBACK (NX4601//J1B4)	
	1-529-153-11	SPEAKER (4.8X20CM)	
	1-529-143-11	SPEAKER (4.2 x 20CM)	
	1-529-144-11	SPEAKER (13CM)	
	1-771-778-11	SWITCH, ARRAY	
	1-452-896-11	COIL, NA ROTATION (RT200)	
⚠	1-571-433-31	SWITCH, PUSH (AC POWER)	
⚠	1-792-389-11	CORD, POWER	
⚠	1-792-389-11	NECK ASSY, NA324-M3	
	1-693-340-21	MAIN TUNER/VIF	
	1-693-340-21	SUB TUNER/VIF	
⚠	8-735-061-05	PICTURE TUBE (W86LPH010X) (SD-307)	
⚠	8-451-507-31	DEFLECTION YOKE Y36RVC2-M3	
⚠	1-251-715-92	CAP ASSY, HIGH VOLTAGE	

ACCESSORIES AND PACKAGING MATERIALS

	1-785-803-11	ADAPTOR, ANTENNA
*	4-396-077-01	JOINT
	4-204-994-11	MANUAL, INSTRUCTION (GERMAN/SWEDISH/NORWEGIAN/DANISH/ FINNISH/GREEK/TURKISH)
	4-204-994-61	MANUAL, INSTRUCTION (ENGLISH)
	4-204-994-91	MANUAL, INSTRUCTION (ENGLISH/POLISH/CZECH/HUNGARIAN/ BULGARIAN/RUSSIAN)
	4-205-303-11	MANUAL, INSTRUCTION (SPANISH/PORTUGUESE/GERMAN/ITALIAN/ FRENCH/DUTCH)
*	4-046-772-01	BAG, PROTECTION
*	4-204-737-01	INDIVIDUAL CARTON
*	4-204-739-01	CUSHION (UPPER) (ASSY)
*	4-204-740-01	CUSHION (LOWER) (ASSY)

REMOTE COMMANDER

	1-418-572-11	REMOTE COMMANDER (RM-892)

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