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SERVICE MANUAL

Color Television

36JW9UA

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CHAPTER 1 GENERAL ADJUSTMENTS

SAFETY INSTRUCTIONS

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" INSTRUCTIONS BELOW.

X-RAY RADIATION PRECAUTION

1. Excessive high voltage can produce potentially hazardous X-RAY RADIATION. To avoid such hazards, the high voltage must not be above the specified limit. The nominal value of the high voltage of this receiver is (A) kV at zero beam current (minimum brightness) under a (C) V AC power source. The high voltage must not, under any circumstances, exceed (B) kV.

   Refer to table-1 for high voltage (A), (B) & AC voltage (C). (See SETTING & ADJUSTING DATA on page 18)

   Each time a receiver requires servicing, the high voltage should be checked following the HIGH VOLTAGE CHECK procedure in this manual. It is recommended that the reading of the high voltage be recorded as a part of the service record. It is important to use an accurate and reliable high voltage meter.
2. The only source of X-RAY RADIATION in this TV receiver is the picture tube. For continued X-RAY RADIATION protection, the replacement tube must be exactly the same type tube as specified in the parts list.
3. Some part in this receiver have special safety-related characteristics for X-RAY RADIATION protection. For continued safety, parts replacement should be undertaken only after referring to the PRODUCT SAFETY NOTICE below.

SAFETY PRECAUTION

WARNING : Service should not be attempted by anyone unfamiliar with the necessary precautions on this receiver. The following are the necessary precautions to be observed before servicing this chassis.

1. An isolation transformer should be connected in the power line between the receiver and the AC line before any service is performed on the receiver.
2. Always discharge the picture tube anode to the CRT conductive coating before handling the picture tube. The picture tube is highly evacuated and if broken, glass fragments will be violently expelled. Use shatter proof goggles and keep picture tube away from the unprotected body while handling.
3. When replacing a chassis in the cabinet, always be certain that all the protective devices are put back in place, such as; non-metallic control knobs, insulating covers, shields, isolation resistor-capacitor network etc.

PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These characteristics are often passed unnoticed by a visual inspection and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this manual and its supplements; electrical components having such features are identified by the international hazard symbols on the schematic diagram and the parts list.
Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create shock, fire, X-ray radiation or other hazards.

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON PAGE 3 OF SERVICE MANUAL.

SET-UP ADJUSTMENT

■ The following adjustments should be made when a complete realignment is required or a new picture tube is installed. Perform the adjustments in order as follows :

1. Color Purity
2. Convergence
3. White Balance

Note: The PURITY/CONVERGENCE MAGNET assembly and rubber wedges need mechanical positioning. Refer to figure 1.

COLOR PURITY ADUSTMENT

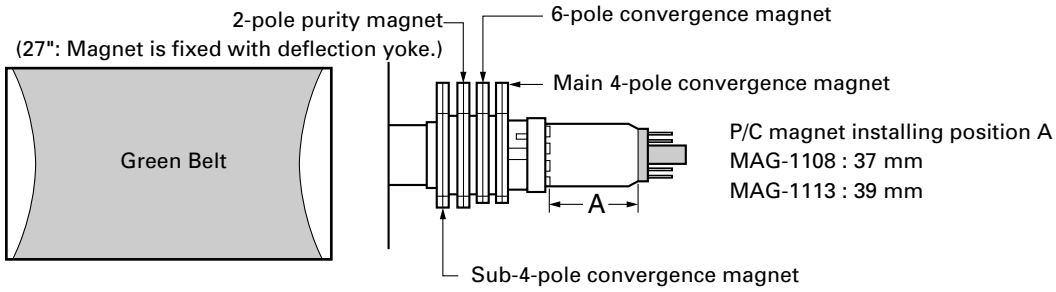
(1) Let the screen face in the installing direction or toward the east (when it is to be moved), bring up the service mode screen after demagnetizing (front, left, right, and top) with the degaussing coil, receive white signals by pressing the [TV/VIDEO] button, and then the receiver should be operated for more than 40 minutes.

(2) Perform rough adjustment of the central convergence with the P/C magnet according to the adjustment item.

(3) Receive built-in green signals, loosen set screws on the deflection yoke, remove rubber wedges, and shift the deflection yoke to toward front.

(4) Move alternately the two 2-pole magnets of the P/C magnets so that the green raster can come to the center of the screen.

Figure 1.

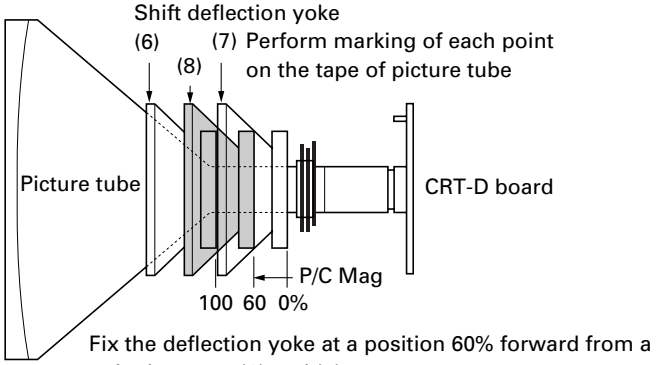


(5) Receive built-in red and blue signals, check that there is no inclination of the single color raster toward one side, and if each color tilts to a great extent, make adjustment with the 2-pole magnet so that the 3 colors will come to the center evenly.

(6) Receive the green raster, shift the deflection yoke from a foremost position (hitting against the picture tube) to a backward position horizontally, stop the deflection yoke at a position where it begins to become a green raster, and perform accurate marking on the picture tube.

(7) Shift the deflection yoke further backward, and perform accurate marking at a position where the green raster begins to being luck.

(8) Fix the deflection yoke at a position 60% forward within the range marked in items (6) and (7) above.



Fix the deflection yoke at a position 60% forward from a point between (6) and (7)

CONVERGENCE ADJUSTMENTS

* Adjust the convergence magnet to get vest convergence in the the order to (1) ~ (5).

■ **CENTER CONVERGENCE:**

(1) Receive the white crosshatch or dot pattern from the service signal generator.

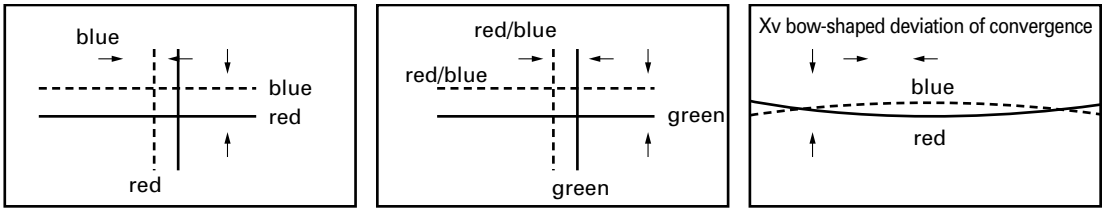
(2) Use the 2 pieces of main 4-pole magnets of P/C magnets, change the open angle, and align the red and blue vertical lines on the screen center.

(3) Freeze the open angle of the main 4-pole magnets, turn them simultaneously, and align the horizontal lines.

(4) Take the same steps for items (2) and (3) above and align red/blue with green on the screen center using two 6-pole magnets.

(5)Adjust the sub-4-pole magnets only in case there is any deviation of Xv bow-shaped convergence. (To be usually set at the initial position)

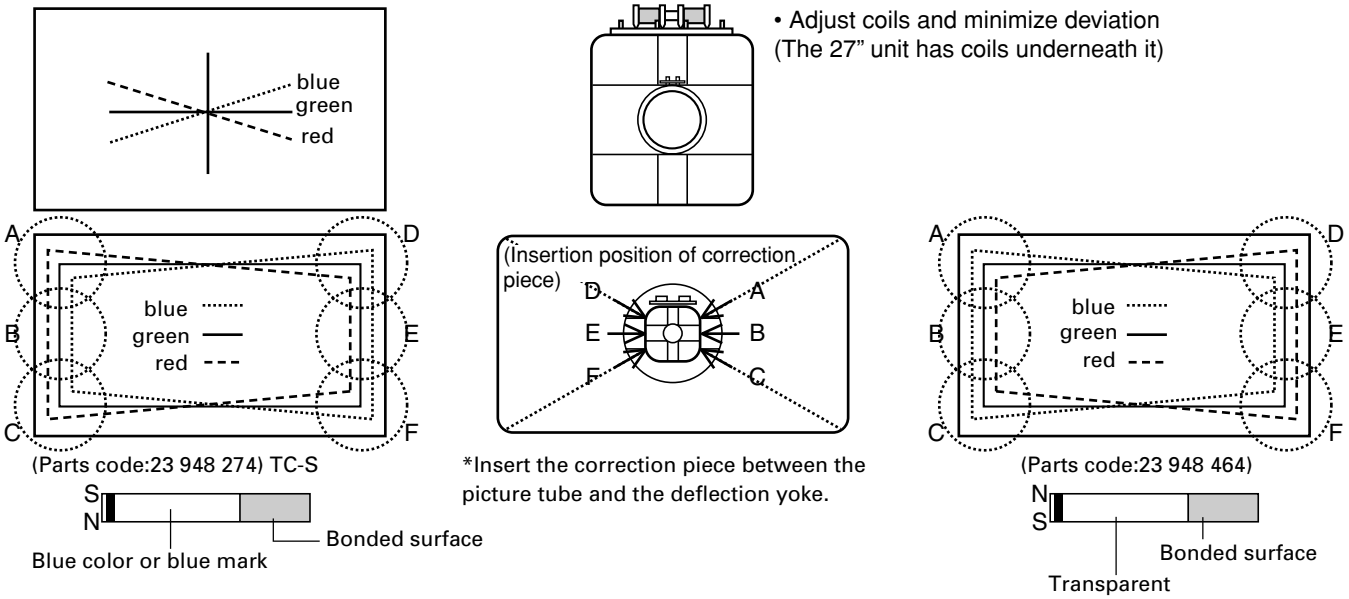
Align both sides with the sub-4-pole magnets and minimize the deviation of blue and red with the main 4-pole magnets.



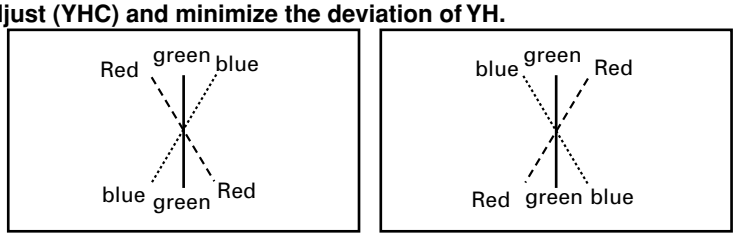
Main 4-pole magnet **6-pole magnet** **Sub-4-pole magnet**

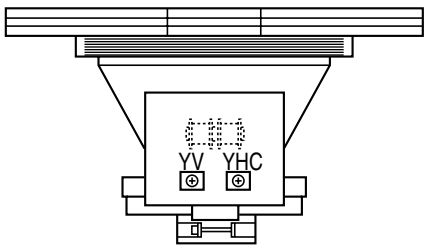
■ CIRCUMFERENCE CONVERGENCE:

* Perform correction in the following manner.

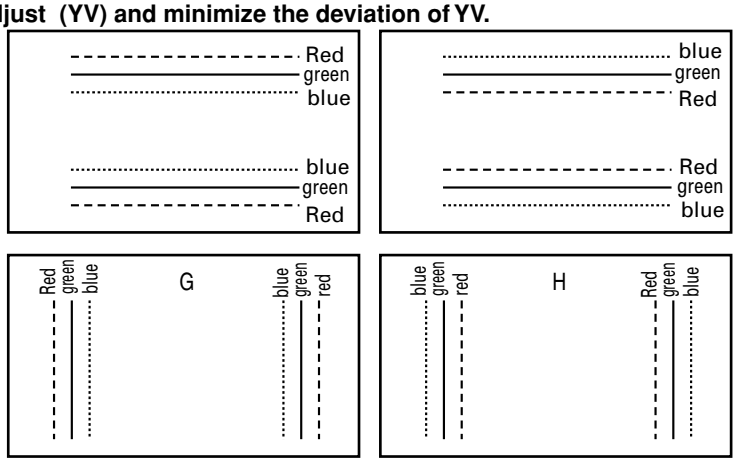


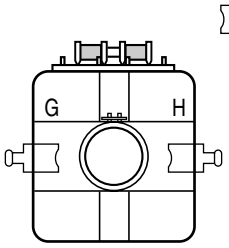
Adjust (YHC) and minimize the deviation of YH.





Adjust (YV) and minimize the deviation of YV.





Perform correction by inserting the correction piece into the clearance of terminal board coils of the deflection yoke.

Note:

Perform insertion by turning the metal side to the terminal board side of the deflection yoke.

SERVICE MODE

1. ENTERING TO SERVICE MODE

1) Press 🔇 button once on Remote Control.

2) Press 🔇 button again to keep pressing.

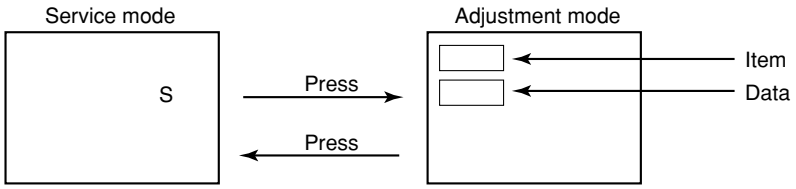
3) While pressing the 🔇 button, press MENU button on TV set.



(Service mode display)

2. DISPLAYING THE ADJUSTMENT MENU

1) Press MENU button on TV.



3. KEY FUNCTION IN THE SERVICE MODE

The following key entry during display of adjustment menu provides special functions.

Screen adjustment mode ON/OFF:	-/-- button (on Remote)
Test signal selection :	⊖ button (on Remote)
Selection of the adjustment items :	Channel ▲/▼ (on TV or Remote)
Change of the data value :	Volume ◿ +/– (on TV or Remote)
Adjustment menu mode ON/OFF :	MENU button (on TV)
Initialization of the memory (QA02) :	CALL + Channel button on TV (▲)
Reset the count of operating protect circuit to “00”:	CALL + Channel button on TV (▼)
“RCUT” selection :	1 button
“GCUT” selection :	2 button
“BCUT” selection :	3 button
“SCNT” selection :	4 button
“COLP” selection :	5 button – – – – – Color thickness correction
“TNTC” selection :	6 button note: Displayed differently as shown below, depending on the setting of the receiving color system.
Convergence adj :	YELLOW button COLP (PAL)
Self diagnostic display ON/OFF :	9 button COLC (NTSC)
	COLS (SECAM)

CAUTION : Never try to perform initialization unless you have changed the memory IC.

4. SELECTING THE ADJUSTING ITEMS

1) Every pressing of CHANNEL ▲ button in the service mode changes the adjustment items in the order of table-2. (▼ button for reverse order)

Refer to table-2 for preset data of adjustment mode.
(See SETTING & ADJUSTING DATA on page 18)

5. ADJUSTING THE DATA

1) Pressing of VOLUME ◿ +/– button will change the value of data in the range from 00H to FFH. The variable range depends on the adjusting item.

6. EXIT FROM SERVICE MODE

1) Pressing POWER button to turn off the TV once.

■ INITIALIZATION OF MEMORY DATA OF QA02

After replacing QA02, the following initialization is required.

1. Enter the service mode, then select any register item.
2. Press and hold the CALL button on the Remote, then press the CHANNEL ▲ button on the TV. The initialization of QA02 has been complated.
3. Check the picture carefully. If necessary, adjust any adjustment item above. Perform “Auto tune” on the owner’s manual.

CAUTION: Never attempt to initialize the data unless QA02 has been replaced.

7. TEST SIGNAL SELECTION

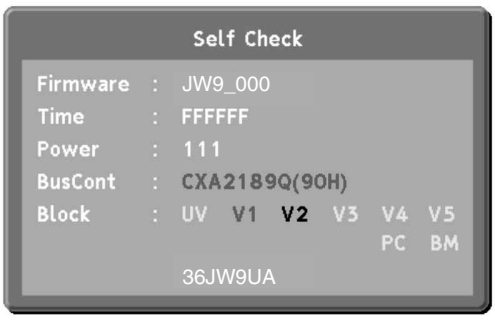
1) Every pressing of ⊖ button on the Remote Control changes the built-in test patterns on screen as described below in SERVICE MODE.

Signal off ◄——► ALL White

Signals	Picture
• All White	

8. SELF DIAGNOSTIC FUNCTION

1) Press “9” button on Remote Control during display of adjustment menu in the service mode.
   The diagnosis will begin to check if interface among IC’s are executed properly.
2) During diagnosis, the following displays are shown.



① Firmware:
Version information of microprocessor
In case of file name : JW9 and Version : 1.00 indicates[JW9_100].

② Time: Total hour of turn the TV on. (Unit : H)

③ Power : Operation number of protecting circuit ----"00" is normal.
When indication is other than "00", overcurrent apt to flow, and circuit parts may possibly be damaged.

④ BusCont : --- "OK" is normal.
When type name of semiconductor indicates.

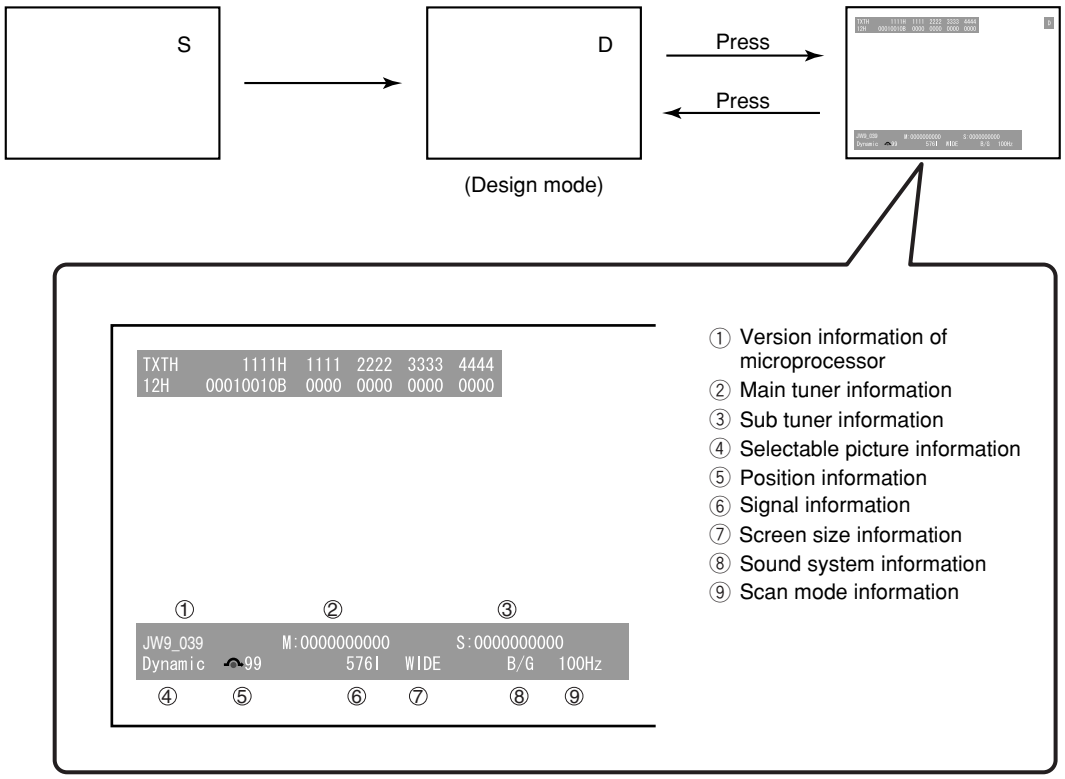
⑤ BLOCK
UV : TV reception mode
V1 : VIDEO 1 input mode (→ 1)
V2 : VIDEO 2 input mode (→ 2)
V3 : VIDEO 3 input mode (→ 3)
V4 : VIDEO 4 input mode (→ C1)
V5 : VIDEO 5 input mode (→ C2)

⑥ Model name (7 digit)

DESIGN MODE

1. ENTERING TO DESIGN MODE

1) Select the Service mode. 2) While pressing CALL button on Remote and press MENU button on TV. 3) The following displays are shown on the screen



When QA02 is initialized, item “OPT3" of DESIGN MODE is set to the data of the representative model of this chassis family. Therefore, because ON-SCREEN specification remains in the state of the representative of model. This model is required to reset the data of item “OPT3".

2. SELECTING THE ADJUSTING ITEMS

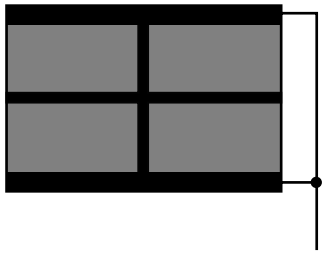
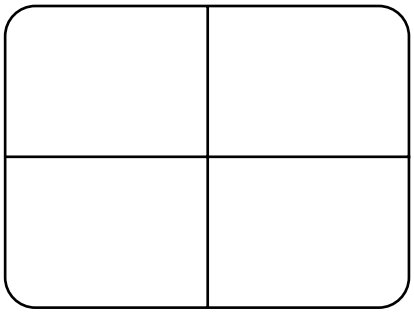
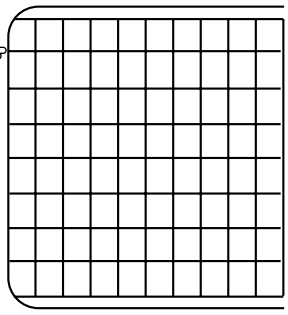
Every pressing of CHANNEL ▼ button in the design mode changes the adjustment items in the order of table-3. (▲ button for reverse order)

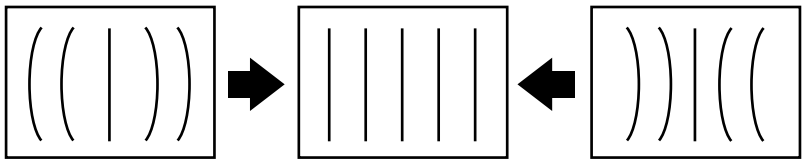
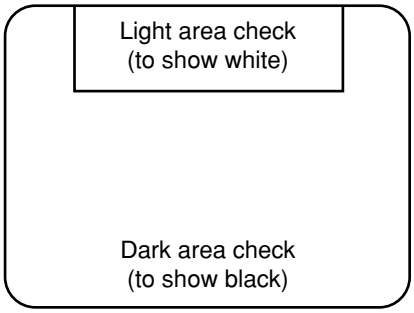
Refer to table-3 for data of design mode.
(See SETTING & ADJUSTING DATA on page 18)

3. ADJUSTING THE DATA

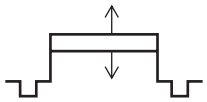
Pressing of VOLUME ▲ or ▼ button will change the value of data.

ELECTRICAL ADJUSTMENTS

ITEM	ADJUSTMENT PROCEDURE
FOCUS VR ADJ	1. Enter the service mode, then select any register item. 2. Press the TV/VIDEO button on the Remote until the black cross-bar pattern appears on the screen. 3. Adjust the FOCUS control (on T461) for well defined scanning lines on the picture screen.
SUB-BRIGHTNESS (BRTC) Note: Constrict the picture height until the vertical retrace line appears adjusting the item HIT (HEIGHT).	1. Set CONTRAST to minimum, and BRIGHTNESS to center by adjusting user controls. 2. Set the TV in service mode to get Black cross-bar of inside pattern. 3. Select BRTC (brightness correction), and adjust the ◿ – /+ button to reduce the value so that white portion of inside pattern slightly light. 4. Adjust ◿ – /+ button to increase the data value of BRTC, and set it just before the difference between the belt of vertical retrace and the border of black portion of inside pattern is visible. After that, return vertical height and contrast.  Belt of vertical retrace
HORIZONTAL POSITION ADJUSTMENT (HPOS) VERTICAL POSITION ADJUSTMENT (VPOS)	1. Set the TV in service mode, and get black cross-bar signal with VIDEO button on remote hand unit. 2. Select either HPOS (Horizontal picture phase) or VPOS (Vertical picture phase) with CHANNEL ▲, ▼ buttons, and adjust horizontal or vertical picture position in the center of screen with VOLUME ◿ – /+ buttons. 
VERTICAL AMPLITUDE ADJUSTMENT (HIT)	1. Set the TV in service mode, and get black cross-hatch signal with VIDEO button on remote hand unit. 2. Select HIT (Vertical amplitude) with CHANNEL ▲, ▼ buttons, and adjust vertical amplitude with VOLUME ◿ – /+ buttons so that vertical amplitude lacks a little. 3. Adjust vertical amplitude with VOLUME ◿ – /+ buttons so that the first bar on cross-hatch signal touches edge of screen. The first ☞ 

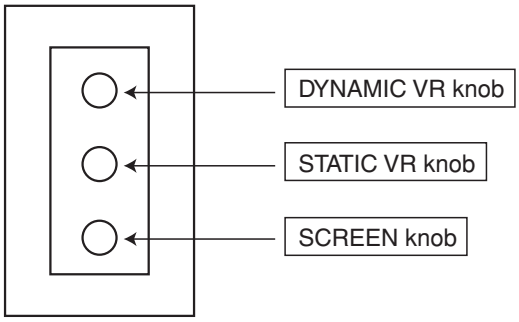
ITEM	ADJUSTMENT PROCEDURE
WIDTH (WID)	1. Call up the adjustment mode display, then select the item **WID**. 2. Press the ◿ – /+ button to get the picture so the left and rightedges of raster begins to lack. 3. Press the ◿ – /+ button to advance the data by 7 steps. Note : Check the horizontal picture position is correct.
E-W PARABOLA (PARA)	1. Call up the adjustment mode display, then select the item **PARA**. 2. Press the ⊖ button on Remote until the cross-hatch pattern appears on the screen. 3. Press the ◿ – /+ button to make vertical lines straight as shown below. 
WHITE BALANCE ADJUSTMENT ● CUTOFF ADJUSTMENT (RCUT) (GCUT) (BCUT) ● DRIVE ADJUSTMENT (GDRV) (BDRV)	1. Set Contrast to 40, and brightness to +20 by picture control. 2. Receive the Black and White pattern. 3. Select RCUT, GCUT and BCUT with CHANNEL ▲, ▼ buttons, to set individual values to Initial reference data, and to set GDRV and BDRV to Initial reference data with VOLUME ◿ – /+ buttons. 4. Press -/- - button on the remote control and rotate Screen VR to get one slight horizontal line on screen. Note: Every pressing of -/- - button provides Horizontal line picture and Normal picture alternately. 5. Press -/- - button to release horizontal line picture, and select the two other colors which did not light in the above step with CHANNEL ▲, ▼ buttons. Then tap VOLUME ◿ – /+ buttons so that three colors slightly light in the same level. ※ To correct white balance in light area, select GDRV and BDRV with CHANNEL ▲, ▼ buttons to adjust. ※ To correct white balance in dark area, perform fine adjustment of RCUT, GCUT and BCUT. 

V/C system adjustment

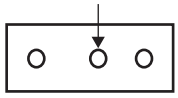
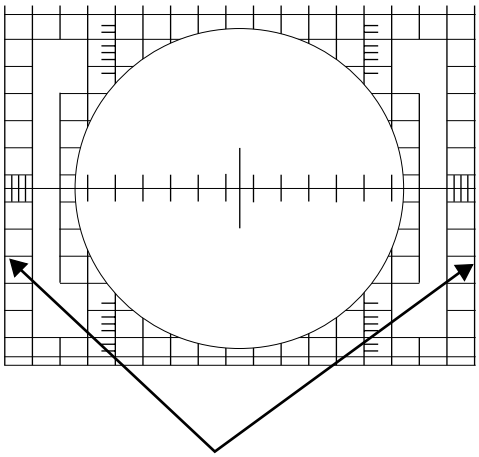
No.	ADJUSTING ITEMS AND POINTS	ADJUSTMENT PROCEDURE	REMARKS
1	Cutoff adjustment and white balance adjustment RCUT GCUT BCUT GDRV BDRV Screen VR	1) Setting to horizontal alignment, turn the screen VR to stop where the brightness lines are slightly luminous. (Adjustment shall be made so that they look almost white.) 2) Cancel horizontal alignment. 3) Varying R, G and B CUTOFF, make white balance adjustment in the dark area. 4) Adjusting G and B DRIVE, make white balance adjustment in the bright area. 5) Repeat procedures 3) and 4) if necessary. Adjustable value: Bright area: 11500K+0.0075uV (103cd/m^2) Dark area: 10500K+0.0105uV (17cd/m^2)	No outside lighting shall be allowed. Measurement shall be performed at the center of CRT. Receiver shall be in the standard state. Total white signal Varying the level of input signal, adjust the brightness. 
2	Sub contrast adjustment (SCNT)	1) Select SCNT in the sub data adjustment mode. 2) With TP-Y, set the amplitude from pedestal level to white peak to 0.70±0.03 V (0-p).	J-2ch sub brightness signal DYNAMIC
3	Sub brightness adjustment (BRTC)	1) Select BRTC in the sub data adjustment mode. Adjust the number of black solid lines to 5±1.5.	J-2ch sub brightness signal DYNAMIC

V/C system adjustment (Chassis adjusment)

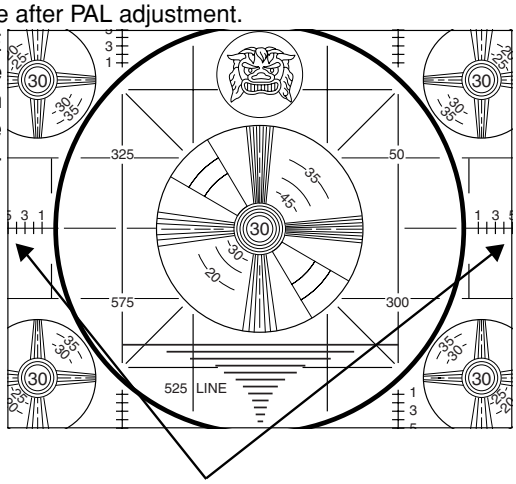
No.	ADJUSTING ITEMS AND POINTS	ADJUSTMENT PROCEDURE	REMARKS
4	DW sub screen contrast adjustment (PCNT)	1) Select PCNT in the sub data adjustment mode. 2) With TP-Y, make adjustment so that the amplitude of sub screen (right image) coincides with that of main screen (left image).	J-2ch for both main and sub screens Sub brightness signal DYNAMIC

No.	ADJUSTING ITEMS AND POINTS	ADJUSTMENT PROCEDURE
1	Focus Adjustment (1) Static (main): T461 Dynamic : T461	Conditions : E-12ch Screen Size: Wide Presentation Mode: Dynamic Adjustment Procedure: 1) Turn the static VR knob to the “MIN.” position and the dynamic VR knob to the “MAX.” position. 2) Adjust the static VR knob to the “MAX.” direction to optimize the peripheral focus. 3) Adjust the dynamic VR knob to “MIN.” direction to optimize the center focus. 4) Adjust the static VR knob and the dynamic VR knob alternately to optimize the full screen focus. Refer to the diagram below for the location of the static VR knob and dynamic VR knob. 

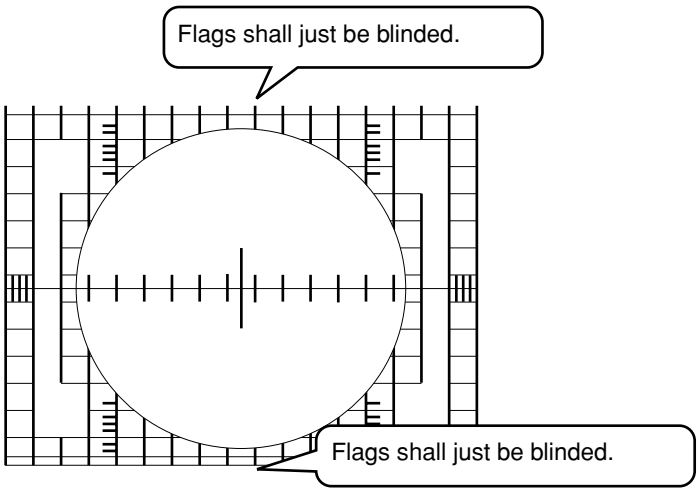
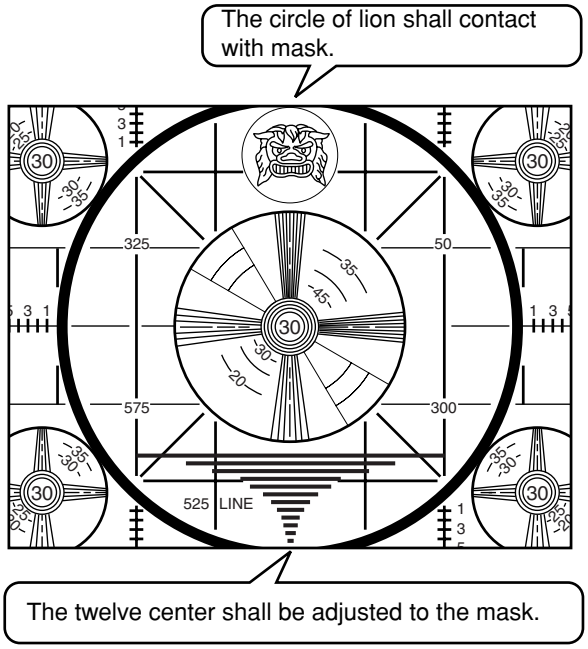
Horizontal adjustment * Deflection adjustment shall be made from PAL/100 Hz/WIDE mode.

	ADJUSTING ITEMS AND POINTS	ADJUSTMENT PROCEDURE
Horizontal	For PAL/100 Hz/WIDE Horizontal amplitude (WID) Side pin distortion (PARA) Trapezoidal distortion (TRAP) Corner distortion (CNR) Upper corner distortion (TCNR) Lower corner distortion (BCNR) CENT distortion (CPAR) Parallelogrammatic distortion (CSAW) Horizontal phase (HPOS) Note 1: POW/DEF board: P451/M450 Horizontal screen positional switch CENT  Right side Left side Screen position shall be switched by inserting a plug into the above pin.	<Adjustment condition> Horizontal adjusment shall be made using E-12CH Philips pattern and DYNAMIC image mode. <Adjustment procedure> 1) Using WID data, reduce the horizontal amplitude until a part of it is dropped out. 2) Using WID data, adjust the horizontal amplitude so that horizontal raster inevitably contacts with CPT mask. 3) Using the following (Note 1) horizontal screen positional switch, adjust the horizontal raster position to the center position. 4) Using the horizontal amplitude (WID) and horizontal phase (HPOS), adjust the horizontal amplitude so that the right and left flags are just blinded.  The adjustment shall be made so that the right and left flags are just blinded. 5) Using PARA, TRAP, CNR and CPAR (or TCNR, BCNR or CSAW if necessary), adjust the screen distortion. 6) If necessary, make the horizontal amplitude adjustment again. 7) Check the side pin distortion in 4:3 mode. (If necessary, the adjustment shall be made, checking the quality of 4:3 side panel.)

Horizontal adjustment

	ADJUSTING ITEMS AND POINTS	ADJUSTMENT PROCEDURE
Horizontal	For NTSC WIDE Horizontal phase (NHPO) Horizontal amplitude (NWID) Side pin distortion (NPAR) Trapezoidal distortion (NTRA) Corner distortion (NCNR) CENT distortion (NCPAR) Parallelogrammatic distortion (NCSAW) Upper corner distortion (NTCNR) Lower corner distortion (NBCNR)	* NTSC adjustment shall be made after PAL adjustment. 1) With domestic 13ch, WIDE mode and DYNAMIC, adjust the right and left bars to the fifth center for horizontal phase (NHPO) and horizontal amplitude (NWID).  Right and left bars shall be adjusted to the fifth center. 2) With domestic 11ch, NPAR, NTRA, NCNR and NCPAR (or NTCNR, NBCNR or NCSAW if necessary), adjust the screen distortion. 3) If necessary, make horizontal amplitude adjustment again. 4) Check the side pin distortion in 4:3 mode. (If necessary, the adjustment shall be made, checking the quality of 4:3 side panel.)

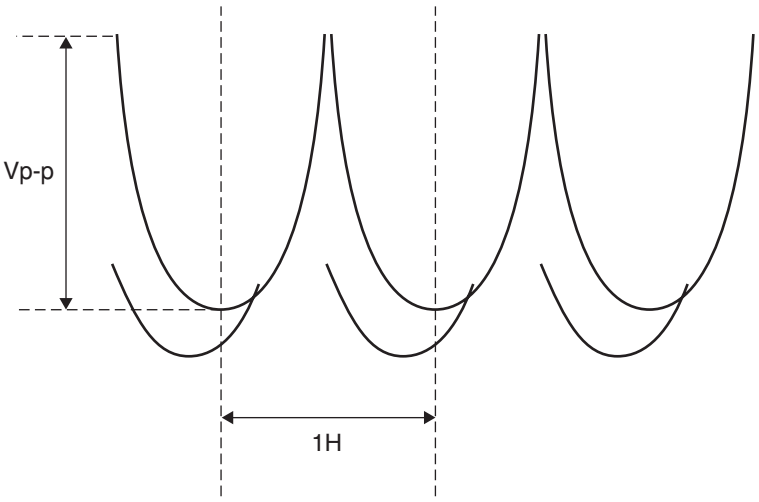
Vertical adjustment

	ADJUSTING ITEMS AND POINTS	ADJUSTMENT PROCEDURE
Vertical	For PAL WIDE Vertical amplitude (HIT) Vertical screen position (TCNR) Vertical linearity (VLIN)	1) With E-12ch, WIDE mode, DYNAMIC and 100 Hz, adjust the vertical screen position (VPOS) and amplitude (HIT) as shown in the following figure:  2) With vertical linearity (VLIN), control the upper and lower balances to be optimal.
	For NTSC WIDE Vertical amplitude (NHIT) Vertical screen position (NVPO)	* NTSC adjustment shall be made after the PAL adjustment. With domestic 13ch, WIDE mode and DYNAMIC, adjust the vertical screen position (NVPO) and amplitude (NHIT) as shown in the following figure: 

Geomagnetic compensation (chassis adjustment)

	ADJUSTING ITEMS AND POINTS	ADJUSTMENT PROCEDURE
1	Output voltage control (GMF)	Conditions: User control for geomagnetic compensation: 0 Geomagnetic compensation coil: Unconnected Perform voltage measurement at both ends of RJ06 and adjust the voltage to the following adjustable value with GMF of data adjustment mode: 0 ± 1V

Horizontal adjustment * DQF adjustment shall be made in PAL WIDE mode.

	ADJUSTING ITEMS AND POINTS	ADJUSTMENT PROCEDURE
Horizontal	DQF output voltage adjustment	Measure the terminal voltage waveform of test pin (DF terminal) with 100:1 probe and adjust the terminal voltage using L451 (horizontal amplitude coil: TLN2110AD).  Adjust the above waveform by turning the core of L451 so as to obtain the following voltage: 36": 1350 Vp-p Note: Because the vertical cycle parabolic waveform is also of superposition, the above voltage value shall be measured on the waveform. Adopted signal: PAL E-12ch

CIRCUIT CHECK

HIGH VOLTAGE CHECK

CAUTION: There is no HIGH VOLTAGE ADJUSTMENT on this chassis. Checking should be done following the steps below.

1. Connect an accurate high voltage meter to the second anode of the picture tube.
2. Turn on the receiver. Set the BRIGHTNESS and CONTRAST controls to minimum (zero beam current).
3. High voltage must be measured below (B) kV.

Refer to table-1 for high voltage (B).
(See SETTING & ADJUSTING DATA on page 18)

4. Vary the BRIGHTNESS control to both extremes to be sure the high voltage does not exceed the limit under any conditions.

CHAPTER 2 SPECIFIC INFORMATIONS

SETTING & ADJUSTING DATA

【 SAFETY INSTRUCTIONS 】

		36"
HIGH VOLTAGE AT ZERO BEAM:	(A)	30.5 kV
MAX HIGH VOLTAGE:	(B)	34.0 kV
AC VOLTAGE	(C)	220~240 V

Table-1

【 SERVICE MODE 】

ADJUSTING ITEMS AND DATAS IN THE SERVICE MODE:

Item	Name of adjustment	PRESET	36JW9UA
RCUT	R CUTOFF	40H	←
GCUT	G CUTOFF	40H	←
BCUT	B CUTOFF	40H	←
GDRV/ RDRV	R DRIVE	40H	←
BDRV	B DRIVE	40H	←
CNTX	CONTRAST MAX	7FH	←
BRTC	BRIGHT CEN	80H	←
COLC	SUB COLOR CEN NTSC	00H	←
TNTC	SUB TINT CEN	00H	←
COLP	SUB COLOR CEN PAL	03H	00H
COLS	SUB COLOR CEN SECAM	FDH	←
SCNT	SUB CONTRAST	6AH	22H
VOLS	MSP DEM VOLS	75H	←
FVOL	MSP DEM FVOL	15H	←
NVOL	MSP DEM NVOL	3CH	←
NICL	MSP DEM NICL	03H	←
NICH	MSP DEM NICH	0AH	←
IDL	MSP DEM IDL	90H	←
IDH	MSP DEM IDH	A0H	←
HPOS	576i 100Hz	43H	3CH
VPOS	V-POSITION	8CH	8BH
HIT	HEIGHT	43H	44H
VLIN	V-LINEARITY	0EH	←

Item	Name of adjustment	PRESET	36JW9UA
VPS	V-SHIFT	40H	←
WID	PICTURE WIDTH	45H	←
PARA	E-W PARABOLA	1BH	18H
CNR	E-W CORNER	14H	10H
TRAP	TRAPEZIUM	2AH	36H
CPAR	CENT PARABOLA	08H	←
TCNR	EW TOP CORNER	14H	13H
BCNR	EW BOTTOM CORNER	12H	13H
CSAW	CENTER SAW	08H	←
NHPO	NTSC H-POSITION	09H	08H
NVPO	NTSC V-POSITION	7FH	88H
NHIT	NTSC HEIGHT	39H	3AH
NVLI	NTSC V-LINEARITY	0EH	0FH
NVPS	NTSC V-SHIFT	40H	←
NWID	NTSC PICTURE WIDTH	3BH	3EH
NPAR	NTSC E-W PARABOLA	16H	13H
NCNR	NTSC E-W CORNER	14H	11H
NTRA	NTSC TRAPEZIUM	36H	38H
NCPAR	NTSC CENT PARABOLA	07H	←
NTCNR	NTSC TOP CORNER	0FH	12H
NBCNR	NTSC BOTTOM CORNER	12H	12H
NCSAW	NTSC CENTER SAW	08H	←
GMF	Geomagnetic	00H	04H

Table-2

【 DESIGN MODE 】

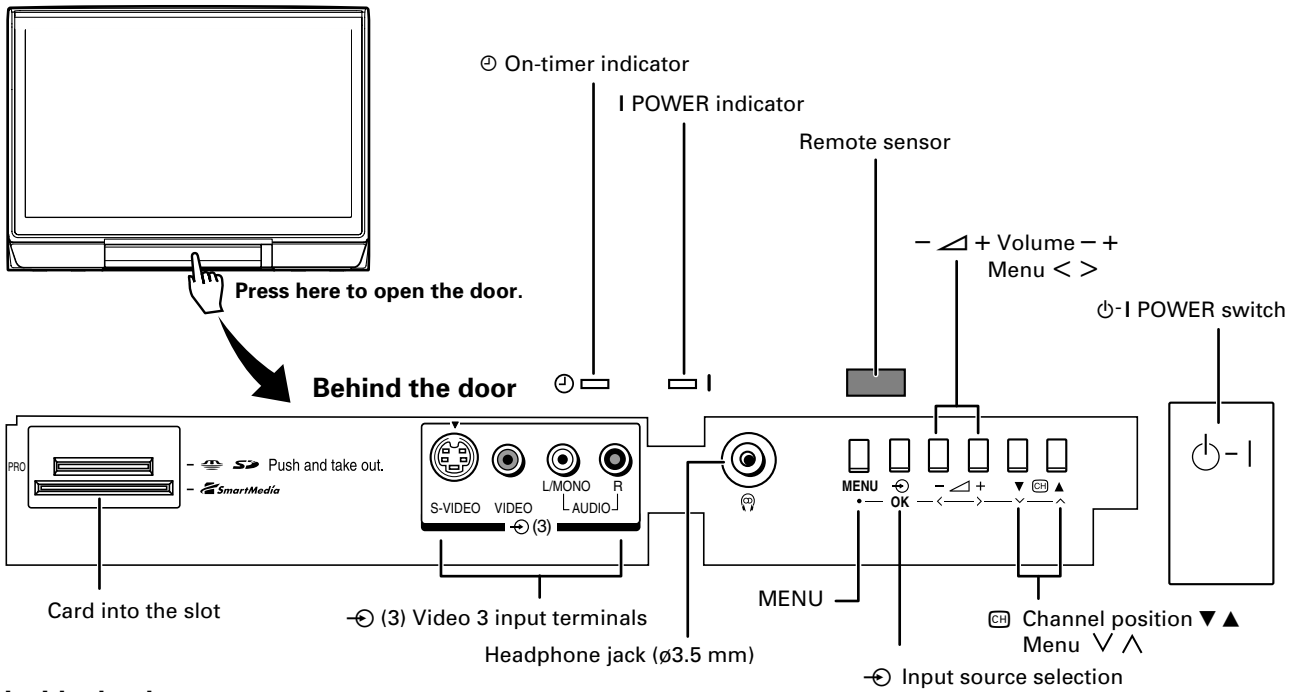
ADJUSTING ITEMS AND DATAS IN THE DESIGN MODE:

Item	Name of adjustment	Preset Data	Data	Remarks
OPT0	OPTION 0	FCH	BCH	
OPT1	OPTION 1	00H	←	
OPT2	OPTION 2	00H	←	
OPT3	OPTION 3	00H	←	
OPT4	OPTION 4	00H	←	
OPT5	OPTION 5	00H	←	

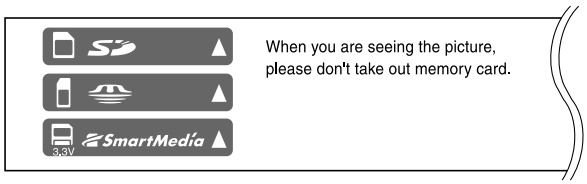
Table-3

LOCATION OF CONTROLS

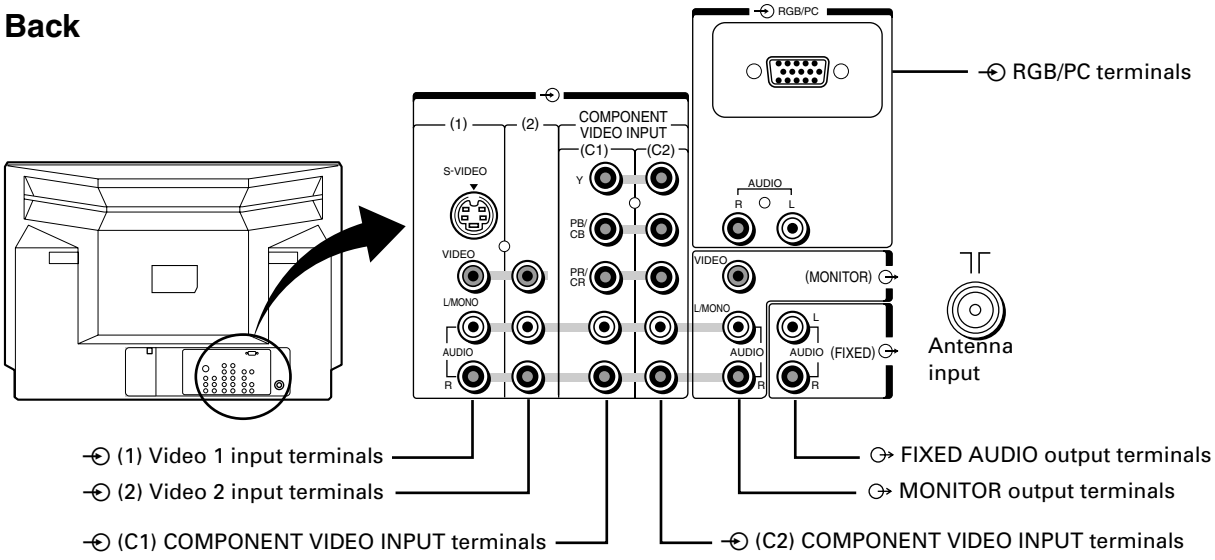
Front



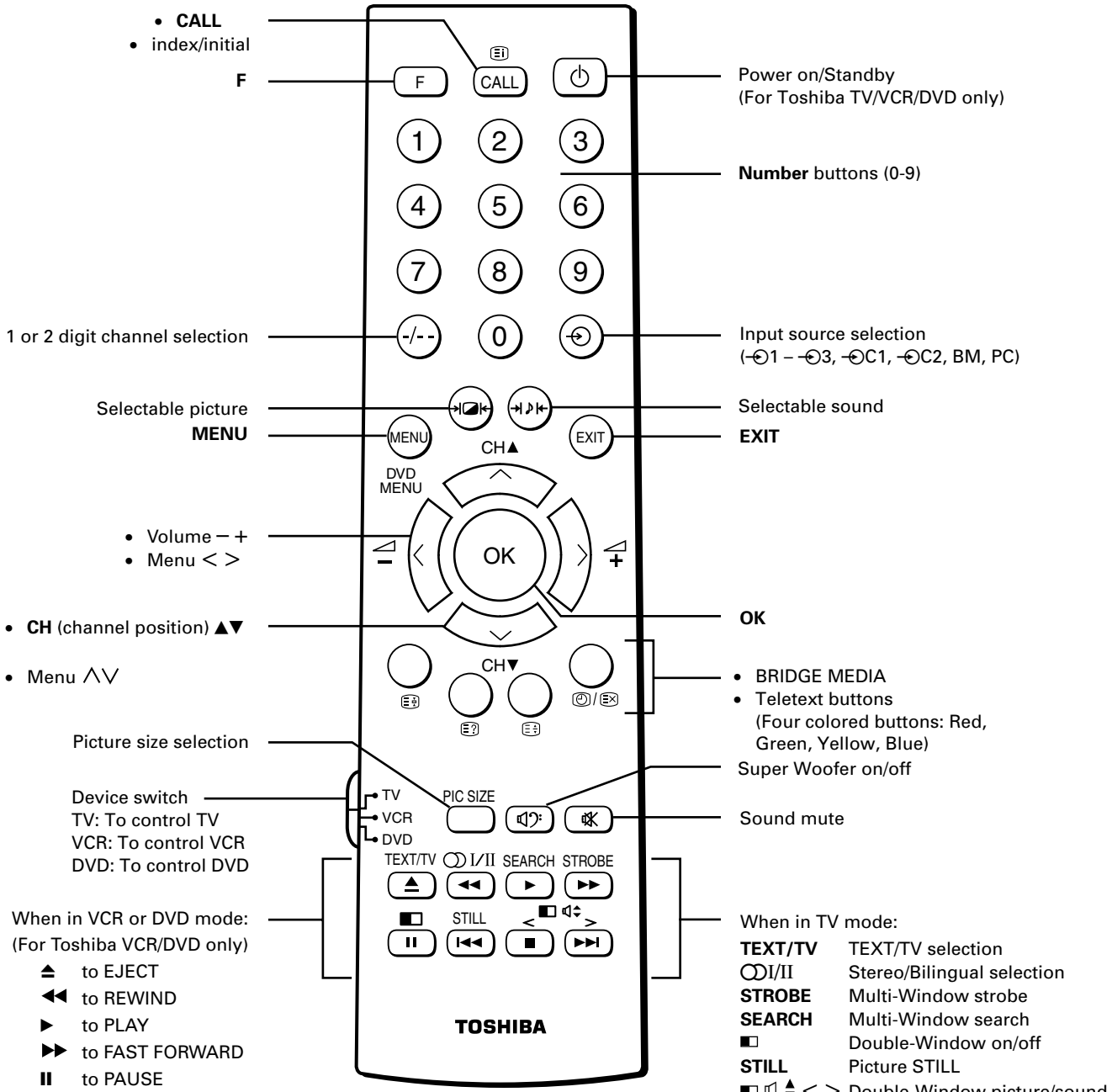
Inside the door



Back



Remote Control



PROGRAMMING CHANNEL MEMORY

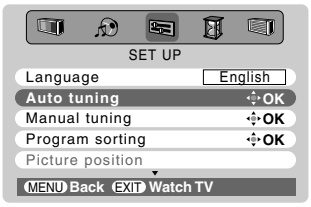
- First, use the Auto tuning feature to preset all the active channels in your area automatically. Then, arrange the preset channels with the Manual tuning feature so that you can tune in only desired channels.
- Use the Channel search operation if desired channels cannot be preset with the Auto tuning or if you would like to preset channels to specific position numbers one by one.

To preset channels (Auto tuning)/To preset channels (Manual tuning)

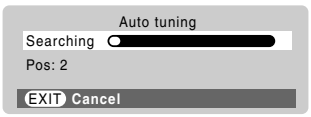
Auto tuning

1 Press the **MENU** button, then press the < or > button to display the SET UP menu.

Press the ∨ or ∧ button to select Auto tuning.



2 Press and hold the **OK** button for several seconds to start the automatic search.
The search will begin for all available stations.
Bullet will move along the line as the search progresses.



DO NOT PRESS ANY BUTTONS WHILE THE AUTOMATIC SEARCH IS IN PROGRESS.

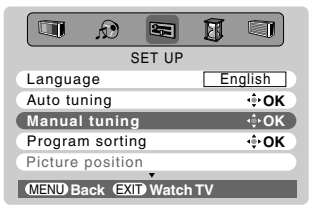
If you make a mistake, simply repeat steps 1-2 to start again from the beginning.

3 When the automatic search is complete, the TV will automatically return to the first program position.

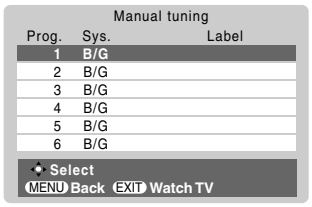
4 Press the **CH▲** or **CH▼** button to view the programmed position.

Manual tuning

1 Press the **MENU** button, then press the < or > button to display the SET UP menu.
Press the ∨ or ∧ button to select Manual tuning.

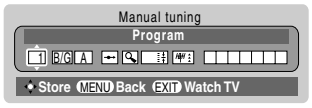


2 Press the **OK** button to display the Manual tuning menu.
Press the ∨ or ∧ button to select the program position you want to arrange.

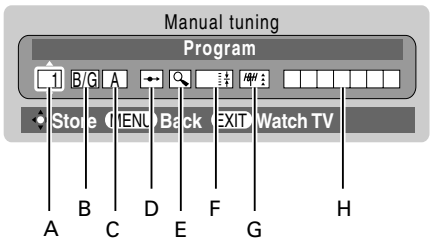


3 Press the **OK** button to display the breakdown menu.

Press the < or > button to select an item, then press the ∨ or ∧ button to select the item as shown below.



To preset channels (Manual tuning) (continued)/Program sorting



A. Program position selection
B. Sound system (see page 46)
C. Color system (see page 46)
   A : Automatic, P : PAL, S : SECAM,
   N4 : NTSC4.43 (MHz), N3 : NTSC3.58 (MHz)
   If the color of a certain channel is abnormal, the automatic color system selection (A) may have malfunctioned, or the sound system selection is wrong. In such a case, select another color and/or sound system (see page 46).
D. Program position skip selection
   Press the ∧ or ∨ button to turn the program position skip option on "↷" or off "⊷".
   The program position will then be skipped when you select channels with the **CH▲** or **CH▼** button.
   The "↷" mark will appear beside a program position number when you use the number button on the remote control.
E. Channel search operation
   Press the ∧ button to search up the band or the ∨ button to search down the band.
   Press the ∧ or ∨ button repeatedly until your desired channel is displayed.
   When a station/satellite is found, it will be displayed.
F. Auto Fine Tuning
   Press the ∧ or ∨ button to turn the Auto Fine Tuning option On "⁞‡" or Off "0".
   The Auto Fine Tuning feature automatically corrects slight fluctuations when receiving signals.
   Manual Fine Tuning
   While the Auto Fine Tuning turn Off "0", press the ∧ or ∨ button so that the better picture and sound are obtained.
G. ANT ATT (Antenna attenuator)
   Press the ∧ or ∨ button to turn the ANT ATT option On "ANT⁞" or Off "ANT⁞", when visual interference occurs, set the ANT ATT to On.
H. Label
   Station labels appear with the program position display each time you turn on the TV, select a channel, or press the **CALL** button.

To change or create station labels:

1) Press the ∧ or ∨ button repeatedly to select a character for the first space, then press the > button.

→A-↔Z↔(↔)↔*↔+↔,↔-↔.↔/↔0-↔9↔␣*←

*(blank space)

2) Repeat step 1 to enter the rest of the characters. If you would like a blank space in the label name, you must choose an empty space from the list of characters.

Press the **OK** button to store your settings.

CHASSIS AND CABINET REPLACEMENT PARTS LIST

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE “X-RAY RADIATION PRECAUTION”, “SAFETY PRECAUTION” AND “PRODUCT SAFETY NOTICE” ON PAGE 3 OF THIS MANUAL.

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE. Do not degrade the safety of the receiver through improper servicing.

NOTICE:
- *The part number must be used when ordering parts, in order to assist in processing, be sure to include the Model number and Description.*
- *The PC board assembly with * mark is no longer available after the end of the production.*

Model : 36JW9UA

Capacitors	CD	:	Ceramic Disk	PF	:	Plastic Film	EL	: Electrolytic
Resistors	CF	:	Carbon Film	CC	:	Carbon Composition	MF	: Metal Film
	OMF	:	Oxide Metal Film	VR	:	Variable Resistor	FR	: Fusible Resistor

(All CD and PF capacitors are ±5%, 50V and all resistors, ±5%, 1/6W unless otherwise noted.)

Location No.	Parts No.	Description
CAPACITORS		
C101	24796479	ELECTROLYTIC, 35V 4.7UF M
C102	24793221	ELECTROLYTIC, 10V 220UF M
C103	24109103	CERAMIC CHIP, 50V B 0.01UF K
C104	24109103	CERAMIC CHIP, 50V B 0.01UF K
C105	24109102	CERAMIC CHIP, 50V B 1000PF K
C106	24797479	ELECTROLYTIC, 50V 4.7UF M
C107	24794221	ELECTROIYTIC 04G, 16V 220UF M
C108	24793221	ELECTROLYTIC, 10V 220UF M
C109	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C110	24794101	ELECTROLYTIC, 16V 100UF M
C205	24092539	CERAMIC CHIP, 10V F 2.2UF Z
C206	24619042	ELEC. CHIP, 16V 22UF M 3A
C304	24503041	PLASTIC FILM , 63V 0.1UF J
C308	24669221	ELECTROLYTIC, 50V 220UF M 3A
C310	24667102	ELECTROLYTIC, 25V 1000UF M 3A
C313	24082057	PLASTIC FILM, 100V 0.22UF J
C314	24667221	ELECTROLYTIC CE04Q, 25V 220UF M 3A
C320	24667221	ELECTROLYTIC CE04Q, 25V 220UF M 3A
C321	24503051	PLASTIC FILM, 63V 0.68UF J
C322	24503053	PLASTIC FILM, 63V 1UF J
C323	24503049	PLASTIC FILM, 63V 0.47UF J
C325	24591223	PLASTIC FILM, 50V 0.022UF J
C326	24669010	ELECTROLYTIC, 50V 1UF M 3A
C327	24073041	ELECTROLYTIC, 16V 470UF M 3A
C331	24590103	PLASTIC FILM, 50V 0.01UF J
C362	24591682	PLASTIC FILM, 50V 6800PF J
C366	24082275	PLASTIC FILM CQ922 M 100V 82000PF J
C370	24666100	ELECTROLYTIC, 10V 10UF M 3A
C392	24085981	ELEC. NONPOLAR CE04J 16V 10UF M 11L NP
C396	24503065	PLASTIC FILM, 1800VH 1800PF H
C413	24214392	CERAMIC DISC, 500V B 3900PF K
C417	24214391	CERAMIC DISC, 500V B 390PF K
C418	24667221	ELECTROLYTIC CE04Q, 25V 220UF M 3A
C419	24590102	PLASTIC FILM, 50V 1000PF J
⚠ C428	24503191	PLASTIC FILM, 400V 0.13UF J
C430	24539334	PLASTIC FILM, 50V 0.33UF J
C431	24539104	PLASTIC FILM, 50V 0.1UF J
C432	24666100	ELECTROLYTIC, 10V 10UF M 3A
C439	24503459	PLASTIC FILM, 400V 0.068UF J
⚠ C442	24503192	PLASTIC FILM, 400V 0.15UF J
⚠ C443	24503347	PLASTIC FILM, 1800VH 3600PF H
⚠ C444	24503196	PLASTIC FILM CF92 T 1800VH 5600PF H
C445	24095804	PLASTIC FILM, 400V 0.056UF J

Location No.	Parts No.	Description
C446	24640020	ELECTROLYTIC CE04Q 250V 33UF M H-R
C448	24073118	ELECTROLYTIC, 160V 33UF M
C450	24214222	CERAMIC DISC, 500V B 2200PF K
C451	24214222	CERAMIC DISC, 500V B 2200PF K
C452	24820103	PLASTIC FILM, 630V 0.01UF J
C461	24820123	PLASTIC FILM, 630V 0.012UF J
C464	24503149	PLASTIC FILM, 250V 3.3UF
C465	24591473	PLASTIC FILM, 50V 0.047UF J
C466	24679220	ELECTROLYTIC, 250V 22UF M 3A
C467	24820123	PLASTIC FILM, 630V 0.012UF J
C469	24591222	PLASTIC FILM, 50V 2200PF J
C470	24766220	ELECTROLYTIC 04G, 50V 22UF M
C471	24766479	ELECTROLYTIC, 50V 4.7UF M
C476	24214471	CERAMIC DISC, 500V B 470PF K
C477	24666220	ELECTROLYTIC, 16V 22UF M 3A
C482	24109122	CERAMIC CHIP, 50V B 1200PF K
C488	24666100	ELECTROLYTIC, 10V 10UF M 3A
C499	24829333	PLASTIC FILM, 400V 0.033UF J
C505	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C512	24015103	CERAMIC CHIP, 16V B 0.01UF K
C513	24015103	CERAMIC CHIP, 16V B 0.01UF K
C520	24092616	CERAMIC CHIP, 16V B 0.33UF K
C531	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C532	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C533	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C534	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C536	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C537	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C543	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C544	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C545	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C547	24015103	CERAMIC CHIP, 16V B 0.01UF K
C548	24619157	MENJISSOU TYP 16V100U
C558	24015103	CERAMIC CHIP, 16V B 0.01UF K
C563	24092789	CERAMIC CHIP, 6.3V B 1UF K
C564	24092856	CERAMIC CHIP CK732B 16V 2.2UF K
C565	24092785	CERAMIC CHIP, 10V B 0.47UF K
C568	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C572	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C601	24797100	ELECTROLYTIC, 50V 10UF M
C602	24591102	PLASTIC FILM, 50V 1000PF J
C603	24669101	ELECTROLYTIC, 50V 100UF M 3A
C605	24109103	CERAMIC CHIP, 50V B 0.01UF K
C607	24797470	ELECTROLYTIC 04G, 50V 47UF M

Location No.	Parts No.	Description
C613	24666471	ELECTROLYTIC 04Q, 16V 470UF M 3A
C615	24666220	ELECTROLYTIC, 16V 22UF M 3A
C622	24085944	ELECTROLYTIC, NONPOLAR, 50V 2.2UF M 11L
C625	24085944	ELECTROLYTIC, NONPOLAR, 50V 2.2UF M 11L
C628	24669220	ELECTROLYTIC, 04Q 50V 22UF M 3A
C633	24669101	ELECTROLYTIC, 50V 100UF M 3A
C634	24109103	CERAMIC CHIP, 50V B 0.01UF K
C640	24797479	ELECTROLYTIC, 50V 4.7UF M
C641	24797479	ELECTROLYTIC, 50V 4.7UF M
C642	24669229	ELECTROLYTIC, 50V 2.2UF M 3A
C643	24669229	ELECTROLYTIC, 50V 2.2UF M 3A
C644	24105221	CERAMIC CHIP, 50V CH 220PF J
C645	24105221	CERAMIC CHIP, 50V CH 220PF J
C646	24794102	ELECTROLYTIC, 16V 1000UF M
C647	24794101	ELECTROLYTIC, 16V 100UF M
C648	24794101	ELECTROLYTIC, 16V 100UF M
C651	24815103	CERAMIC CHIP, 50V B 10000PF K
C660	24073034	ELECTROLYTIC, 16V 10UF M 3A
C661	24073082	ELECTROLYTIC, 50V 2.2UF M 3A
C662	24073082	ELECTROLYTIC, 50V 2.2UF M 3A
C663	24591102	PLASTIC FILM, 50V 1000PF J
C664	24591102	PLASTIC FILM, 50V 1000PF J
C665	24797100	ELECTROLYTIC, 50V 10UF M
C666	24590104	PLASTIC FILM, 50V 0.1UF J
C671	24073084	ELECTROLYTIC, 50V 4.7UF M 3A
C672	24073084	ELECTROLYTIC, 50V 4.7UF M 3A
C673	24073086	ELECTROLYTIC, 50V 10UF M 3A
C675	24667470	ELECTROLYTIC CE04Q, 25V 47UF M 3A
C676	24669479	ELECTROLYTIC, 50V 4.7UF M 3A
C677	24503042	PLASTIC FILM, 63V 0.12UF J
C678	24503041	PLASTIC FILM , 63V 0.1UF J
C679	24503041	PLASTIC FILM , 63V 0.1UF J
C680	24669222	ELECTROLYTIC, 50V 2200UF M 3A
C681	24668102	ELECTROLYTIC, 35V 1000UF M 3A
C682	24668102	ELECTROLYTIC, 35V 1000UF M 3A
C683	24668102	ELECTROLYTIC, 35V 1000UF M 3A
C684	24109103	CERAMIC CHIP, 50V B 0.01UF K
C691	24073034	ELECTROLYTIC, 16V 10UF M 3A
C704	24591822	PLASTIC FILM, 50V 8200PF J
C705	24232103	CERAMIC DISC, 50V F 0.01UF Z
C707	24794470	ELECTROLYTIC, 16V 47UF M
C712	24666470	ELECTORLYTIC, 16V 47UF M 3A
C713	24709100	ELECTROLYTIC, 200V 10UF M
C714	24436101	CERAMIC DISC, 50V SL 100PF J
C715	24214472	CERAMIC DISC, 500V B 4700PF K
C716	24436101	CERAMIC DISC, 50V SL 100PF J
C717	24214472	CERAMIC DISC, 500V B 4700PF K
C718	24766470	ELECTROLYTIC, 50V 47UF M
C719	24435560	CERAMIC DISC, 500V SL 56PF J
C720	24709100	ELECTROLYTIC, 200V 10UF M
C721	24797470	ELECTROLYTIC 04G, 50V 47UF M
C726	24212102	CERAMIC DISC, 50V B 1000PF K
⚠ C801	24503507	PLASTIC FILM, AC275V 0.22UF K
⚠ C802	24503507	PLASTIC FILM, AC275V 0.22UF K
C805	24092281	CERAMIC DISC, AC250V E 4700PF
C806	24092281	CERAMIC DISC, AC250V E 4700PF
C807	24503049	PLASTIC FILM, 63V 0.47UF J
C808	24667101	ELECTROLYTIC CE04Q, 25V 100UF M 3A
C809	24503041	PLASTIC FILM , 63V 0.1UF J
C810	24073106	400V680UFLLQ2G681MHSET
⚠ C811	24092567	CERAMIC DISC, AC250V E 1000PF M
C812	24092567	CERAMIC DISC, AC250V E 1000PF M @U905A
	24503041	PLASTIC FILM , 63V 0.1UF J @U904
⚠ C813	24092563	CERAMIC DISC, AC250V B 220PF K
⚠ C814	24092563	CERAMIC DISC, AC250V B 220PF K
⚠ C815	24092567	CERAMIC DISC, AC250V E 1000PF M
C816	24668339	ELECTROLYTIC, 35V 3.3UF M 3A
C817	24092339	CERAMIC DISC, 2KV 330PF K
C818	24095931	PLASTIC FILM, 1250VH 2200PF J

Location No.	Parts No.	Description
⚠ C820	24092565	CERAMIC DISC, AC250V B 470PF K
C821	24214471	CERAMIC DISC, 500V B 470PF K
C822	24619157	MENJISSOU TYP 16V100U
C823	24214471	CERAMIC DISC, 500V B 470PF K
C824	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C825	24503041	PLASTIC FILM , 63V 0.1UF J
C826	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C828	24092794	CERAMIC CHIP CK732B 6.3V 10UF M
C829	24212222	CERAMIC DISC, 50V B 2200PF K @U904
	24014104	CERAMIC CHIP, 16V F 0.1UF Z @U902
C833	24669229	ELECTROLYTIC, 50V 2.2UF M 3A
C834	24503047	PLASTIC FILM, 63V 0.33UF J
C835	24073150	ELECTROLYTIC CE04P 16V 56UF M 3A
C836	24762222	ELECTROLYTIC, 10V 2200UF M 3D
C837	24503047	PLASTIC FILM, 63V 0.33UF J
C838	24666100	ELECTROLYTIC, 10V 10UF M 3A
C839	24073150	ELECTROLYTIC CE04P 16V 56UF M 3A
C840	24073098	ELECTROLYTIC, 450V 4.7UF M 3A
C841	24073043	ELECTROLYTIC, 16V 2200UF M 3A
C842	24503041	PLASTIC FILM , 63V 0.1UF J
C843	24092469	CERAMIC DISC, 2KV B 100PF K
C844	24073038	ELECTROLYTIC, 16V 100UF M 3A
C845	24766229	ELECTROLYTIC 04G, 50V 2.2UF M
C884	24073215	ELECTROLYTEC CE04Q 160V 220UF M
C887	24214471	CERAMIC DISC, 500V B 470PF K
C890	24073172	ELECTROLYTIC CE04P 25V 1000UF M 3A
C891	24073176	ELECTROLYTIC CE04P 25V 2200UF M 3A
C893	24092337	CERAMIC DISC, 2KV 220PF K
C895	24073209	ELECTROLYTIC CE04P 50V 1000UF M 3A
C896	24214471	CERAMIC DISC, 500V B 470PF K
C897	24073172	ELECTROLYTIC CE04P 25V 1000UF M 3A
C898	24591102	PLASTIC FILM, 50V 1000PF J
C899	24214471	CERAMIC DISC, 500V B 470PF K
C902	24092353	CERAMIC DISC, 2KV 4700PF K
C903	24436221	CERAMIC DISC, 50V SL 220PF J
C905	24436221	CERAMIC DISC, 50V SL 220PF J
C907	24436221	CERAMIC DISC, 50V SL 220PF J
C909	24679100	ELECTROLYTIC, 250V 10UF M 3A
C910	24669478	ELECTROLYTIC, 50V 0.47UF M 3A
C911	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C912	24666102	ELECTROLYTIC, 16V 1000UF M 3A
C913	24763102	ELECTROLYTIC, 16V 1000UF M
C914	24092398	CERAMIC DISC, 25V 0.1UF Z
C918	24092398	CERAMIC DISC, 25V 0.1UF Z
C919	24092398	CERAMIC DISC, 25V 0.1UF Z
C920	24436391	CERAMIC DISC, 50V SL 390PF J
C921	24436391	CERAMIC DISC, 50V SL 390PF J
C922	24436221	CERAMIC DISC, 50V SL 220PF J
C931	24214101	CERAMIC DISC, 500V B 100PF K
C963	24436561	CERAMIC DISC, 50V SL 560PF J
C964	24436331	CERAMIC DISC, 50V SL 330PF J
C965	24436331	CERAMIC DISC, 50V SL 330PF J
C970	24214102	CERAMIC DISC, 500V B 1000PF K
C2102	24013100	CERAMIC CHIP CC73CH 50V 10PF D
C2103	24013100	CERAMIC CHIP CC73CH 50V 10PF D
C2104	24013100	CERAMIC CHIP CC73CH 50V 10PF D
C2110	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C3100	24667102	ELECTROLYTIC, 25V 1000UF M 3A
C3940	24092859	CERAMIC CHIP CK73B 10V 1UF K
C4100	24109103	CERAMIC CHIP, 50V B 0.01UF K
C4101	24092859	CERAMIC CHIP CK73B 10V 1UF K
C4102	24108150	CERAMIC CHIP, 50V SL 15PF J
C4103	24092730	CERAMIC CHIP, 16V B 0.1UF K
C4104	24092730	CERAMIC CHIP, 16V B 0.1UF K
C4107	24666100	ELECTROLYTIC, 10V 10UF M 3A
C4112	24015103	CERAMIC CHIP, 16V B 0.01UF K
C4211	24539104	PLASTIC FILM, 50V 0.1UF J
C4401	24619158	MENJISSOU TYP 16V220U
C4402	24015103	CERAMIC CHIP, 16V B 0.01UF K

Location No.	Parts No.	Description
C4403	24092789	CERAMIC CHIP, 6.3V B 1UF K
C4404	24015103	CERAMIC CHIP, 16V B 0.01UF K
C4405	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C4406	24015103	CERAMIC CHIP, 16V B 0.01UF K
C4427	24092789	CERAMIC CHIP, 6.3V B 1UF K
C4460	24092796	CERAMIC CHIP CK732B 50V 220000PF K
C4461	24092796	CERAMIC CHIP CK732B 50V 220000PF K
C4476	24013100	CERAMIC CHIP CC73CH 50V 10PF D
C4602	24109122	CERAMIC CHIP, 50V B 1200PF K
C4603	24000445	CHIP JUMPER, 1608TYPE
C4710	24092859	CERAMIC CHIP CK73B 10V 1UF K
C4711	24092785	CERAMIC CHIP, 10V B 0.47UF K
C5012	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C5014	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C5015	24092738	CERAMIC CHIP, 25V B 0.47UF K
C5016	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C5020	24015103	CERAMIC CHIP, 16V B 0.01UF K
C5021	24015104	CERAMIC CHIP CK73B 6.3V 100,000PF K
C5022	24015104	CERAMIC CHIP CK73B 6.3V 100,000PF K
C5023	24015104	CERAMIC CHIP CK73B 6.3V 100,000PF K
C5030	24619157	MENJISSOU TYP 16V100U
C5080	24092789	CERAMIC CHIP, 6.3V B 1UF K
C5090	24619157	MENJISSOU TYP 16V100U
C5411	24015103	CERAMIC CHIP, 16V B 0.01UF K
C5412	24015103	CERAMIC CHIP, 16V B 0.01UF K
C5413	24013180	CERAMIC CHIP, 50V CH 18PF J
C5414	24015102	CERAMIC CHIP, 50V B 1000PF K
C5415	24013050	CERAMIC CHIP CC73CH 50V 5PF C
C5440	24015103	CERAMIC CHIP, 16V B 0.01UF K
C5441	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C5442	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C5443	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C5445	24092738	CERAMIC CHIP, 25V B 0.47UF K
C5448	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C5449	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C5450	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C5452	24015103	CERAMIC CHIP, 16V B 0.01UF K
C5454	24092573	CERAMIC CHIP, 16V B 0.47UF K
C5456	24013330	CERAMIC CHIP, 50V CH 33PF J
C5457	24013330	CERAMIC CHIP, 50V CH 33PF J
C5458	24092573	CERAMIC CHIP, 16V B 0.47UF K
C5459	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C5462	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C5463	24013040	CERAMIC CHIP CC73CH 50V 4PF C
C5464	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C8100	24092794	CERAMIC CHIP CK732B 6.3V 10UF M
C8101	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C8102	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C8103	24092794	CERAMIC CHIP CK732B 6.3V 10UF M
C8104	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C8105	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C8106	24092747	CERAMIC CHIP, 50V B 4.7UF K
C8107	24092794	CERAMIC CHIP CK732B 6.3V 10UF M
C8108	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C8109	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C8110	24092747	CERAMIC CHIP, 50V B 4.7UF K
C8111	24092794	CERAMIC CHIP CK732B 6.3V 10UF M
C8112	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C8113	24014104	CERAMIC CHIP, 16V F 0.1UF Z
C8115	24092794	CERAMIC CHIP CK732B 6.3V 10UF M
C8116	24015104	CERAMIC CHIP CK73B 6.3V 100,000PF K
C8117	24092794	CERAMIC CHIP CK732B 6.3V 10UF M
C8118	24015104	CERAMIC CHIP CK73B 6.3V 100,000PF K
C8119	24619147	6.3V 47U UWXOJ470MCR1GB
C8120	24619147	6.3V 47U UWXOJ470MCR1GB
C8121	24619147	6.3V 47U UWXOJ470MCR1GB
C8123	24015104	CERAMIC CHIP CK73B 6.3V 100,000PF K
C8124	24015104	CERAMIC CHIP CK73B 6.3V 100,000PF K
C8127	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K

Location No.	Parts No.	Description
C8128	24619147	6.3V 47U UWXOJ470MCR1GB
C8129	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
C8131	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
C8132	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
C8133	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
C8134	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
C8135	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
C8136	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
C8137	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
C8138	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
C8139	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
C8141	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
C8341	24667100	ELECTROLYTIC, 16V 10UF M 3A
C8342	24503047	PLASTIC FILM, 63V 0.33UF J
C8344	24503047	PLASTIC FILM, 63V 0.33UF J
C8345	24503047	PLASTIC FILM, 63V 0.33UF J
C8347	24665220	ELECTROLYTIC, 10V 22UF M 3A
C8348	24073150	ELECTROLYTIC CE04P 16V 56UF M 3A
C8349	24666100	ELECTROLYTIC, 10V 10UF M 3A
C8350	24666100	ELECTROLYTIC, 10V 10UF M 3A
C8351	24073150	ELECTROLYTIC CE04P 16V 56UF M 3A
C8352	24666100	ELECTROLYTIC, 10V 10UF M 3A
CA01	24015102	CERAMIC CHIP, 50V B 1000PF K
CA03	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA04	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA05	24092794	CERAMIC CHIP CK732B 6.3V 10UF M
CA06	24092538	CERAMIC CHIP, 10V F 1UF Z
CA07	24109102	CERAMIC CHIP, 50V B 1000PF K
CA08	24092538	CERAMIC CHIP, 10V F 1UF Z
CA09	24109102	CERAMIC CHIP, 50V B 1000PF K
CA10	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA11	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA12	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA13	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA14	24092538	CERAMIC CHIP, 10V F 1UF Z
CA15	24109102	CERAMIC CHIP, 50V B 1000PF K
CA16	24013220	CERAMIC CHIP, 50V CH 22PF J
CA17	24013220	CERAMIC CHIP, 50V CH 22PF J
CA18	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA19	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA20	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA21	24092538	CERAMIC CHIP, 10V F 1UF Z
CA22	24109102	CERAMIC CHIP, 50V B 1000PF K
CA23	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA24	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA25	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA26	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA27	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA29	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA30	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA31	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA32	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA33	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA34	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA35	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA36	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA37	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA38	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA40	24015103	CERAMIC CHIP, 16V B 0.01UF K
CA41	24015103	CERAMIC CHIP, 16V B 0.01UF K
CA42	24092628	CERAMIC CHIP, 0J B 10UF K
CA43	24092794	CERAMIC CHIP CK732B 6.3V 10UF M
CA44	24015103	CERAMIC CHIP, 16V B 0.01UF K
CA45	24015103	CERAMIC CHIP, 16V B 0.01UF K
CA47	24015222	CERAMIC CHIP, 50V B 2200PF K
CA48	24015222	CERAMIC CHIP, 50V B 2200PF K
CA49	24109152	CERAMIC CHIP, 50V B 1500PF K
CA50	24015332	CERAMIC CHIP, 50V B 3300PF K
CA51	24109152	CERAMIC CHIP, 50V B 1500PF K

Location No.	Parts No.	Description
CA52	24015332	CERAMIC CHIP, 50V B 3300PF K
CA53	24015104	CERAMIC CHIP CK73B 6.3V 100,000PF K
CA54	24015104	CERAMIC CHIP CK73B 6.3V 100,000PF K
CA55	24092621	CERAMIC CHIP, 10V B 1UF K
CA56	24092621	CERAMIC CHIP, 10V B 1UF K
CA57	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA58	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA59	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA60	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CA61	24092789	CERAMIC CHIP, 6.3V B 1UF K
CA62	24013680	CERAMIC CHIP, 50V CH 68PF J
CA63	24013220	CERAMIC CHIP, 50V CH 22PF J
CA66	24092628	CERAMIC CHIP, 0J B 10UF K
CA67	24619147	6.3V 47U UWXOJ470MCR1GB
CA80	24015105	CHIP CERA CAP B 6.3V 105K
CA404	24015103	CERAMIC CHIP, 16V B 0.01UF K
CB01	24794470	ELECTROLYTIC, 16V 47UF M
CC01	24109102	CERAMIC CHIP, 50V B 1000PF K
CC02	24109102	CERAMIC CHIP, 50V B 1000PF K
CC03	24109102	CERAMIC CHIP, 50V B 1000PF K
CC04	24109102	CERAMIC CHIP, 50V B 1000PF K
CC05	24109102	CERAMIC CHIP, 50V B 1000PF K
CC06	24109102	CERAMIC CHIP, 50V B 1000PF K
CC07	24109102	CERAMIC CHIP, 50V B 1000PF K
CC08	24109102	CERAMIC CHIP, 50V B 1000PF K
CC09	24109102	CERAMIC CHIP, 50V B 1000PF K
CC10	24109102	CERAMIC CHIP, 50V B 1000PF K
CC11	24109102	CERAMIC CHIP, 50V B 1000PF K @U903
	24212102	CERAMIC DISC, 50V B 1000PF K @U905A
CC12	24109102	CERAMIC CHIP, 50V B 1000PF K @U903
	24212102	CERAMIC DISC, 50V B 1000PF K @U905A
CC13	24232103	CERAMIC DISC, 50V F 0.01UF Z
CC14	24232103	CERAMIC DISC, 50V F 0.01UF Z
CJ01	24503041	PLASTIC FILM , 63V 0.1UF J
CJ02	24666470	ELECTORLYTIC, 16V 47UF M 3A
CJ03	24503041	PLASTIC FILM , 63V 0.1UF J
CJ04	24666470	ELECTORLYTIC, 16V 47UF M 3A
CJ05	24794101	ELECTROLYTIC, 16V 100UF M
CR12	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CR13	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CR14	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CR15	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CR16	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CR17	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CS20	24797478	ELECTROLYTIC, 50V 0.47UF M
CS25	24797478	ELECTROLYTIC, 50V 0.47UF M
CS30	24794100	ELECTROLYTIC, 16V 10UF M
CS31	24794100	ELECTROLYTIC, 16V 10UF M
CS32	24794100	ELECTROLYTIC, 16V 10UF M
CS33	24794100	ELECTROLYTIC, 16V 10UF M
CS40	24092538	CERAMIC CHIP, 10V F 1UF Z
CS41	24092538	CERAMIC CHIP, 10V F 1UF Z
CS42	24092538	CERAMIC CHIP, 10V F 1UF Z
CS43	24092538	CERAMIC CHIP, 10V F 1UF Z
CS44	24092538	CERAMIC CHIP, 10V F 1UF Z
CS45	24092538	CERAMIC CHIP, 10V F 1UF Z
CS46	24092538	CERAMIC CHIP, 10V F 1UF Z
CS47	24092538	CERAMIC CHIP, 10V F 1UF Z
CS48	24092538	CERAMIC CHIP, 10V F 1UF Z
CS49	24092538	CERAMIC CHIP, 10V F 1UF Z
CS50	24092538	CERAMIC CHIP, 10V F 1UF Z
CS51	24092538	CERAMIC CHIP, 10V F 1UF Z
CS54	24092538	CERAMIC CHIP, 10V F 1UF Z
CS55	24092538	CERAMIC CHIP, 10V F 1UF Z
CS56	24092538	CERAMIC CHIP, 10V F 1UF Z
CS57	24794470	ELECTROLYTIC, 16V 47UF M
CS64	24794220	ELECTROLYTIC, 16V 22UF M
CV01	24794101	ELECTROLYTIC, 16V 100UF M
CV02	24100104	CERAMIC CHIP, 25V F 0.1UF Z

Location No.	Parts No.	Description
CV03	24794101	ELECTROLYTIC, 16V 100UF M
CV04	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV05	24794101	ELECTROLYTIC, 16V 100UF M
CV06	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV11	24092731	CERAMIC CHIP, 16V B 1UF K
CV12	24092731	CERAMIC CHIP, 16V B 1UF K
CV13	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV14	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV15	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV16	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV17	24092731	CERAMIC CHIP, 16V B 1UF K
CV18	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV19	24092731	CERAMIC CHIP, 16V B 1UF K
CV20	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV21	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV22	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV23	24092731	CERAMIC CHIP, 16V B 1UF K
CV24	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV25	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV26	24092731	CERAMIC CHIP, 16V B 1UF K
CV27	24092731	CERAMIC CHIP, 16V B 1UF K
CV28	24092731	CERAMIC CHIP, 16V B 1UF K
CV29	24092731	CERAMIC CHIP, 16V B 1UF K
CV30	24092731	CERAMIC CHIP, 16V B 1UF K
CV31	24092731	CERAMIC CHIP, 16V B 1UF K
CV32	24092731	CERAMIC CHIP, 16V B 1UF K
CV33	24092731	CERAMIC CHIP, 16V B 1UF K
CV40	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV41	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV48	24212102	CERAMIC DISC, 50V B 1000PF K
CV50	24232103	CERAMIC DISC, 50V F 0.01UF Z
CV53	24092621	CERAMIC CHIP, 10V B 1UF K
CV57	24794101	ELECTROLYTIC, 16V 100UF M
CV481	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV482	24794101	ELECTROLYTIC, 16V 100UF M
CV483	24794471	ELECTROLYTIC, 16V 470UF M
CX105	24619157	MENJISSOU TYP 16V100U
CX106	24015103	CERAMIC CHIP, 16V B 0.01UF K
CX111	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX112	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX113	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX114	24015105	CHIP CERA CAP B 6.3V 105K
CX115	24015105	CHIP CERA CAP B 6.3V 105K
CX116	24015105	CHIP CERA CAP B 6.3V 105K
CX117	24015105	CHIP CERA CAP B 6.3V 105K
CX118	24015105	CHIP CERA CAP B 6.3V 105K
CX119	24015105	CHIP CERA CAP B 6.3V 105K
CX120	24015105	CHIP CERA CAP B 6.3V 105K
CX121	24015105	CHIP CERA CAP B 6.3V 105K
CX122	24015105	CHIP CERA CAP B 6.3V 105K
CX123	24015105	CHIP CERA CAP B 6.3V 105K
CX124	24015105	CHIP CERA CAP B 6.3V 105K
CX125	24015105	CHIP CERA CAP B 6.3V 105K
CX126	24015105	CHIP CERA CAP B 6.3V 105K
CX127	24015105	CHIP CERA CAP B 6.3V 105K
CX128	24015105	CHIP CERA CAP B 6.3V 105K
CX129	24015105	CHIP CERA CAP B 6.3V 105K
CX130	24015105	CHIP CERA CAP B 6.3V 105K
CX131	24015105	CHIP CERA CAP B 6.3V 105K
CX132	24015105	CHIP CERA CAP B 6.3V 105K
CX133	24015105	CHIP CERA CAP B 6.3V 105K
CX134	24015105	CHIP CERA CAP B 6.3V 105K
CX135	24015105	CHIP CERA CAP B 6.3V 105K
CX148	24015105	CHIP CERA CAP B 6.3V 105K
CX201	24619040	ELEC. CHIP, 16V 10UF M 3A
CX202	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX203	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX204	24619040	ELEC. CHIP, 16V 10UF M 3A
CX205	24014104	CERAMIC CHIP, 16V F 0.1UF Z

Location No.	Parts No.	Description
CX331	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX332	24092747	CERAMIC CHIP, 50V B 4.7UF K
CX333	24092747	CERAMIC CHIP, 50V B 4.7UF K
CX334	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX337	24092747	CERAMIC CHIP, 50V B 4.7UF K
CX338	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX339	24015105	CHIP CERA CAP B 6.3V 105K
CX340	24015105	CHIP CERA CAP B 6.3V 105K
CX341	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CX342	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CX401	24619157	MENJISSOU TYP 16V100U
CX402	24015104	CERAMIC CHIP CK73B 6.3V 100,000PF K
CX403	24619157	MENJISSOU TYP 16V100U
CX404	24015103	CERAMIC CHIP, 16V B 0.01UF K
CX406	24015104	CERAMIC CHIP CK73B 6.3V 100,000PF K
CX407	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX408	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX409	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX410	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX411	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX415	24619040	ELEC. CHIP, 16V 10UF M 3A
CX416	24619040	ELEC. CHIP, 16V 10UF M 3A
CX417	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX430	24013330	CERAMIC CHIP, 50V CH 33PF J
CX435	24013330	CERAMIC CHIP, 50V CH 33PF J
CX436	24013330	CERAMIC CHIP, 50V CH 33PF J
CX437	24013330	CERAMIC CHIP, 50V CH 33PF J
CX438	24015102	CERAMIC CHIP, 50V B 1000PF K
CX439	24619157	MENJISSOU TYP 16V100U
CX471	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX500	24105220	CERAMIC CHIP, 50V CH 22PF J
CX501	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX502	24619042	ELEC. CHIP, 16V 22UF M 3A
CX504	24015105	CHIP CERA CAP B 6.3V 105K
CX505	24015105	CHIP CERA CAP B 6.3V 105K
CX506	24015105	CHIP CERA CAP B 6.3V 105K
CX507	24015105	CHIP CERA CAP B 6.3V 105K
CX508	24015105	CHIP CERA CAP B 6.3V 105K
CX509	24015105	CHIP CERA CAP B 6.3V 105K
CX514	24619147	6.3V 47U UWXOJ470MCR1GB
CX516	24015105	CHIP CERA CAP B 6.3V 105K
CX517	24015105	CHIP CERA CAP B 6.3V 105K
CX518	24015105	CHIP CERA CAP B 6.3V 105K
CX519	24015105	CHIP CERA CAP B 6.3V 105K
CX524	24015105	CHIP CERA CAP B 6.3V 105K
CX525	24015105	CHIP CERA CAP B 6.3V 105K
CX526	24015105	CHIP CERA CAP B 6.3V 105K
CX527	24015105	CHIP CERA CAP B 6.3V 105K
CX528	24015105	CHIP CERA CAP B 6.3V 105K
CX530	24015105	CHIP CERA CAP B 6.3V 105K
CX531	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX532	24015105	CHIP CERA CAP B 6.3V 105K
CX533	24013220	CERAMIC CHIP, 50V CH 22PF J
CX535	24088133	OSCON 6.3V 47UF 6SVP47M
CX537	24015105	CHIP CERA CAP B 6.3V 105K
CX538	24015105	CHIP CERA CAP B 6.3V 105K
CX539	24015105	CHIP CERA CAP B 6.3V 105K
CX552	24013470	CERAMIC CHIP, 50V CH 470PF J
CX553	24013100	CERAMIC CHIP CC73CH 50V 10PF D
CX554	24013470	CERAMIC CHIP, 50V CH 470PF J
CX555	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX556	24619042	ELEC. CHIP, 16V 22UF M 3A
CX562	24013101	CERAMIC CHIP, 50V CH 100PF J
CX564	24013270	CERAMIC CHIP, 50V CH 27PF J
CX565	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX572	24013101	CERAMIC CHIP, 50V CH 100PF J
CX574	24013270	CERAMIC CHIP, 50V CH 27PF J
CX575	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX576	24014104	CERAMIC CHIP, 16V F 0.1UF Z

Location No.	Parts No.	Description
CX577	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX578	24015105	CHIP CERA CAP B 6.3V 105K
CX600	24619042	ELEC. CHIP, 16V 22UF M 3A
CX602	24015105	CHIP CERA CAP B 6.3V 105K
CX603	24015105	CHIP CERA CAP B 6.3V 105K
CX604	24015105	CHIP CERA CAP B 6.3V 105K
CX605	24015105	CHIP CERA CAP B 6.3V 105K
CX606	24015105	CHIP CERA CAP B 6.3V 105K
CX607	24015105	CHIP CERA CAP B 6.3V 105K
CX608	24015105	CHIP CERA CAP B 6.3V 105K
CX609	24015105	CHIP CERA CAP B 6.3V 105K
CX610	24015105	CHIP CERA CAP B 6.3V 105K
CX611	24015105	CHIP CERA CAP B 6.3V 105K
CX612	24015105	CHIP CERA CAP B 6.3V 105K
CX613	24015105	CHIP CERA CAP B 6.3V 105K
CX614	24013470	CERAMIC CHIP, 50V CH 470PF J
CX621	24015105	CHIP CERA CAP B 6.3V 105K
CX622	24015105	CHIP CERA CAP B 6.3V 105K
CX623	24015105	CHIP CERA CAP B 6.3V 105K
CX624	24015105	CHIP CERA CAP B 6.3V 105K
CX625	24619147	6.3V 47U UWXOJ470MCR1GB
CX631	24015105	CHIP CERA CAP B 6.3V 105K
CX632	24015105	CHIP CERA CAP B 6.3V 105K
CX633	24015105	CHIP CERA CAP B 6.3V 105K
CX634	24015105	CHIP CERA CAP B 6.3V 105K
CX635	24619147	6.3V 47U UWXOJ470MCR1GB
CX636	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX637	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX638	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX803	24619042	ELEC. CHIP, 16V 22UF M 3A
CX804	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX805	24619147	6.3V 47U UWXOJ470MCR1GB
CX806	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX807	24619147	6.3V 47U UWXOJ470MCR1GB
CX808	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX834	24013330	CERAMIC CHIP, 50V CH 33PF J
CX835	24013330	CERAMIC CHIP, 50V CH 33PF J
CX837	24013330	CERAMIC CHIP, 50V CH 33PF J
CX845	24013330	CERAMIC CHIP, 50V CH 33PF J
CX846	24013330	CERAMIC CHIP, 50V CH 33PF J
CX901	24092747	CERAMIC CHIP, 50V B 4.7UF K
CX902	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX903	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX904	24619147	6.3V 47U UWXOJ470MCR1GB
CX909	24092747	CERAMIC CHIP, 50V B 4.7UF K
CX910	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX911	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX912	24619147	6.3V 47U UWXOJ470MCR1GB
CX914	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CX915	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CX916	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CX917	24092747	CERAMIC CHIP, 50V B 4.7UF K
CX918	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX919	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CX920	24619147	6.3V 47U UWXOJ470MCR1GB
CX921	24092794	CERAMIC CHIP CK732B 6.3V 10UF M
CX922	24092794	CERAMIC CHIP CK732B 6.3V 10UF M
CX923	24092794	CERAMIC CHIP CK732B 6.3V 10UF M
CX924	24092794	CERAMIC CHIP CK732B 6.3V 10UF M
CX925	24092794	CERAMIC CHIP CK732B 6.3V 10UF M
CX926	24092907	CERA CHIP CK733B 6.3V 22UF K
CX927	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CX928	24619147	6.3V 47U UWXOJ470MCR1GB
CX929	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CX930	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CX931	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CX933	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CX934	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CX935	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K

Location No.	Parts No.	Description
CX936	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CX937	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CX938	24092539	CERAMIC CHIP, 10V F 2.2UF Z
CX939	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CX943	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CX944	24092539	CERAMIC CHIP, 10V F 2.2UF Z
CX945	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CX946	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CX947	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CX948	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CX949	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CX950	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CX951	24092747	CERAMIC CHIP, 50V B 4.7UF K
CX952	24092794	CERAMIC CHIP CK732B 6.3V 10UF M
CX953	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CX954	24092795	CERAMIC CHIP CK73B 6.3V 2.2UP K
CY001	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CY002	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CY004	24092785	CERAMIC CHIP, 10V B 0.47UF K
CY005	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CY006	24015103	CERAMIC CHIP, 16V B 0.01UF K
CY007	24015103	CERAMIC CHIP, 16V B 0.01UF K
CY008	24013180	CERAMIC CHIP, 50V CH 18PF J
CY009	24015102	CERAMIC CHIP, 50V B 1000PF K
CY010	24013050	CERAMIC CHIP CC73CH 50V 5PF C
CY011	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CY012	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CY013	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CY015	24092738	CERAMIC CHIP, 25V B 0.47UF K
CY016	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CY017	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CY018	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CY020	24015103	CERAMIC CHIP, 16V B 0.01UF K
CY021	24092573	CERAMIC CHIP, 16V B 0.47UF K
CY022	24013330	CERAMIC CHIP, 50V CH 33PF J
CY023	24013330	CERAMIC CHIP, 50V CH 33PF J
CY024	24092573	CERAMIC CHIP, 16V B 0.47UF K
CY025	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CY026	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CY027	24013040	CERAMIC CHIP CC73CH 50V 4PF C
CY028	24014104	CERAMIC CHIP, 16V F 0.1UF Z
CY102	24793101	ELECTROLYTIC, 10V 100UF M
CY103	24109103	CERAMIC CHIP, 50V B 0.01UF K
CY105	24109102	CERAMIC CHIP, 50V B 1000PF K
CY401	24015104	CERAMIC CHIP CK73B 6.3V 100,000PF K
CY403	24013680	CERAMIC CHIP, 50V CH 68PF J
CY404	24013151	CERAMIC CHIP, 50V CH 150PF J
CY405	24013680	CERAMIC CHIP, 50V CH 68PF J
CY406	24013150	CHIP CH 50V 15PF J CC73CH1H150J
CY407	24013680	CERAMIC CHIP, 50V CH 68PF J
CY409	24013680	CERAMIC CHIP, 50V CH 68PF J
CY410	24013151	CERAMIC CHIP, 50V CH 150PF J
CY411	24013150	CHIP CH 50V 15PF J CC73CH1H150J
CY412	24013680	CERAMIC CHIP, 50V CH 68PF J
CY413	24013150	CHIP CH 50V 15PF J CC73CH1H150J
CY414	24015104	CERAMIC CHIP CK73B 6.3V 100,000PF K
CY416	24013151	CERAMIC CHIP, 50V CH 150PF J
CY417	24015104	CERAMIC CHIP CK73B 6.3V 100,000PF K
CY418	24013680	CERAMIC CHIP, 50V CH 68PF J
CY440	24015103	CERAMIC CHIP, 16V B 0.01UF K
CZ01	24013101	CERAMIC CHIP, 50V CH 100PF J
CZ02	24013150	CHIP CH 50V 15PF J CC73CH1H150J
CZ09	24619175	CHIP10V100UF1A101P
CZ10	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ21	24092907	CERA CHIP CK733B 6.3V 22UF K
CZ22	24092794	CERAMIC CHIP CK732B 6.3V 10UF M
CZ23	24092794	CERAMIC CHIP CK732B 6.3V 10UF M
CZ24	24619175	CHIP10V100UF1A101P
CZ25	24619175	CHIP10V100UF1A101P

Location No.	Parts No.	Description
CZ27	24015104	CERAMIC CHIP CK73B 6.3V 100,000PF K
CZ28	24013680	CERAMIC CHIP, 50V CH 68PF J
CZ29	24013680	CERAMIC CHIP, 50V CH 68PF J
CZ30	24013151	CERAMIC CHIP, 50V CH 150PF J
CZ31	24092859	CERAMIC CHIP CK73B 10V 1UF K
CZ32	24015102	CERAMIC CHIP, 50V B 1000PF K
CZ34	24013270	CERAMIC CHIP, 50V CH 27PF J
CZ36	24015104	CERAMIC CHIP CK73B 6.3V 100,000PF K
CZ38	24015104	CERAMIC CHIP CK73B 6.3V 100,000PF K
CZ39	24013101	CERAMIC CHIP, 50V CH 100PF J
CZ40	24013390	CERAMIC CHIP CC73CH 50V 39PF J
CZ42	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ43	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ44	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ45	24105330	CERAMIC CHIP, 50V CH 33PF J
CZ46	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ47	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ48	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ49	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ51	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ52	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ53	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ54	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ55	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ58	24013120	CERAMIC CHIP CC731CH 50V 12PF J
CZ59	24105120	CERAMIC CHIP, 50V CH 12PF J
CZ60	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ62	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CZ63	24105821	CERAMIC CHIP, 25V CH 820PF J
CZ64	24105561	CERAMIC CHIP, 50V CH 560PF J
RESISTORS		
R101	24382153	OXIDE METAL FILM, 1W 15K OHM J
R170	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R171	24011183	CHIP, METAL FILM, 1/20W 18K OHM J
R172	24011273	CHIP, 1/20W 27K OHM J
R217	24366103	CARBON FILM, 1/6W 10K OHM J
R218	24367183	CARBON FILM, 1/6W 18K OHM G
R219	24367393	CARBON FILM, 1/6W 39K OHM J
R225	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
R227	24367333	CARBON FILM, 1/6W 33K OHM G
R228	24367123	CARBON FILM, 1/6W 12K OHM G
R245	24012104	CHIP, METAL FILM, 1/16W 100K OHM J
R302	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
R303	24321109	OXIDE METAL FILM, 1/2W 1 OHM J
R304	24003898	METAL FILM, 1/4W 3.3K OHM J
R305	24322159	OXIDE METAL FILM, 1W 1.5 OHM J
R307	24011271	CHIP, 1/20W 270 OHM J
R327	24338159	OXIDE METAL FILM, 1W 1.5 OHM J
R328	24338159	OXIDE METAL FILM, 1W 1.5 OHM J
R336	24383391	OXIDE METAL FILM, 2W 390 OHM J
R342	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
R345	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
R360	24012223	CHIP, METAL FILM, 1/16W 22K OHM J
R361	24012223	CHIP, METAL FILM, 1/16W 22K OHM J
R362	24012223	CHIP, METAL FILM, 1/16W 22K OHM J
R363	24012472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R377	24366220	CARBON FILM, 1/6W 22 OHM J
R379	24382103	OXIDE METAL FILM, 1W 10K OHM J
R381	24366622	CARBON FILM, 1/6W 6.2K OHM J
R405	24553682	OXIDE METAL FILM, 1W 6.8K OHM J
R411	24366101	CARBON FILM, 1/6W 100 OHM J
R412	24323228	OXIDE METAL FILM, 2W 0.22 OHM J
R415	24383271	OXIDE METAL FILM, 2W 270 OHM J
R421	24531220	FUSIBLE, 1/2W 22 OHM J
R426	24366222	CARBON FILM, 1/6W 2.2K OHM J
R429	24553100	OXIDE METAL FILM, 1W 10 OHM J
R431	24531220	FUSIBLE, 1/2W 22 OHM J
R435	24367184	CARBON FILM, 1/6W 180K OHM G

Location No.	Parts No.	Description
R441	24383181	OXIDE METAL FILM, 2W 180 OHM J
R460	24003898	METAL FILM, 1/4W 3.3K OHM J
R461	24366471	CARBON FILM, 1/6W 470 OHM J
R462	24366562	CARBON FILM, 1/6W 5.6K OHM J
R464	24366101	CARBON FILM, 1/6W 100 OHM J
R466	24383220	OXIDE METAL FILM, 2W 22 OHM J
R467	24383220	OXIDE METAL FILM, 2W 22 OHM J
R469	24366823	CARBON FILM, 1/6W 82K OHM J
R470	24339518	OXIDE METAL FILM, 2W 0.51 OHM J
R471	24381271	OXIDE METAL FILM, 1/2W 270 OHM J
R472	24381270	OXIDE METAL FILM, 1/2W 27 OHM J
R473	24000247	METAL FILM, 1/4W 39K OHM F
R476	24000221	METAL FILM, 1/4W 20K OHM F
R478	24338109	OXIDE METAL FILM, 1W 1 OHM J
R479	24381131	OXIDE METAL FILM, 1/2W 130 OHM J
R483	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
R486	24011622	CHIP, METAL FILM, 1/20W 6.2K OHM J
R487	24011474	CHIP, METAL FILM, 1/20W 470K OHM J
R488	24011154	CHIP, METAL FILM, 1/20W 150K OHM J
R491	24366122	CARBON FILM, 1/6W 1.2K OHM J
R494	24367224	CARBON FILM, 1/6W 220K OHM G
R513	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
R514	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
R515	24871103	CHIP, 1/8W 10K OHM J
R525	24012752	CHIP, 1/16W 7.5K OHM J
R531	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
R532	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
R554	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
R555	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
R560	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
R561	24989083	CHIP RES 5025 1/2W 180 J
R564	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
R569	24012224	METAL FILM CHIP 1005 1/16W 220K J
R571	24012472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R572	24012562	METAL FILM CHIP 1005 1/16W 5R6K J
R601	24011333	CHIP, METAL FILM, 1/20W 33K OHM J
R602	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
R603	24011273	CHIP, 1/20W 27K OHM J
R604	24000445	CHIP JUMPER, 1608TYPE
R605	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R606	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R607	24366561	CARBON FILM, 1/6W 560 OHM J
R609	24000445	CHIP JUMPER, 1608TYPE
R612	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R613	24011224	CHIP, METAL FILM, 1/20W 220K OHM J
R614	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
R624	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R625	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R630	24554470	OXIDE METAL FILM, 2W 47 OHM J
R631	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R632	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R633	24011563	CHIP, METAL FILM, 1/20W 56K OHM J
R634	24011563	CHIP, METAL FILM, 1/20W 56K OHM J
R635	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
R636	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
R639	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
R640	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
R653	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R661	24366101	CARBON FILM, 1/6W 100 OHM J @U905A
	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J @U903
R662	24366101	CARBON FILM, 1/6W 100 OHM J @U905A
	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J @U903
R663	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
R664	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
R665	24011122	CHIP, METAL FILM, 1/20W 1.2K OHM J
R666	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R667	24011273	CHIP, 1/20W 27K OHM J
R668	24366223	CARBON FILM, 1/6W 22K OHM J
R669	24366223	CARBON FILM, 1/6W 22K OHM J

Location No.	Parts No.	Description
R671	24366229	CARBON FILM, 1/6W 2.2 OHM J
R672	24366229	CARBON FILM, 1/6W 2.2 OHM J
R679	24366229	CARBON FILM, 1/6W 2.2 OHM J
R680	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R681	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R682	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R683	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R684	24000445	CHIP JUMPER, 1608TYPE
R685	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
R686	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
R687	24000445	CHIP JUMPER, 1608TYPE
R691	24366103	CARBON FILM, 1/6W 10K OHM J
R692	24366183	CARBON FILM, 1/6W 18K OHM J
R693	24366393	CARBON FILM, 1/6W 39K OHM J
R697	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R702	24552221	OXIDE METAL FILM, 1/2W 220 OHM J
R709	24366563	CARBON FILM, 1/6W 56K OHM J
R713	24366393	CARBON FILM, 1/6W 39K OHM J
R715	24366273	CARBON FILM, 1/6W 27K OHM J
R716	24366273	CARBON FILM, 1/6W 27K OHM J
R717	24366333	CARBON FILM, 1/6W 33K OHM J
R718	24366222	CARBON FILM, 1/6W 2.2K OHM J
R719	24366101	CARBON FILM, 1/6W 100 OHM J
R720	24366102	CARBON FILM, 1/6W 1K OHM J
R721	24366101	CARBON FILM, 1/6W 100 OHM J
R722	24552471	OXIDE METAL FILM, 1/2W 470 OHM J
R723	24366101	CARBON FILM, 1/6W 100 OHM J
R724	24366151	CARBON FILM, 1/6W 150 OHM J
R725	24366182	CARBON FILM, 1/6W 1.8K OHM J
R730	24552100	OXIDE METAL FILM, 1/2W 10 OHM J
R731	24552331	OXIDE METAL FILM, 1/2W 330 OHM J
R732	24366330	CARBON FILM, 1/6W 33 OHM J
R733	24366683	CARBON FILM, 1/6W 68K OHM J
R734	24366330	CARBON FILM, 1/6W 33 OHM J
R735	24366683	CARBON FILM, 1/6W 68K OHM J
R736	24553470	OXIDE METAL FILM, 1W 47 OHM J
R737	24366681	CARBON FILM, 1/6W 680 OHM J
R738	24366102	CARBON FILM, 1/6W 1K OHM J
R739	24366681	CARBON FILM, 1/6W 680 OHM J
R740	24553470	OXIDE METAL FILM, 1W 47 OHM J
R741	24322229	OXIDE METAL FILM, 1W 2.2 OHM J
R742	24322229	OXIDE METAL FILM, 1W 2.2 OHM J
R743	24554181	OXIDE METAL FILM, 2W 180 OHM J
R744	24366122	CARBON FILM, 1/6W 1.2K OHM J
R745	24366122	CARBON FILM, 1/6W 1.2K OHM J
⚠ R801	24004716	METAL GLAZE 1/2W 2R2M J
R803	24553683	OXIDE METAL FILM, 1W 68K OHM J
R805	24552221	OXIDE METAL FILM, 1/2W 220 OHM J
R806	24381183	OXIDE METAL FILM, 1/2W 18K OHM J
R807	24366102	CARBON FILM, 1/6W 1K OHM J
⚠ R808	24019503	THERMISTOR, PTC, AC290V 4.5 OHM M
R811	24366225	CARBON FILM, 1/6W 2.2M OHM J
R812	24568479	CERAMIC COVERED, 7W 4.7 OHM J
R813	24007061	CERAMIC COVERED, 2W 1.8 OHM K
R815	24552102	OXIDE METAL FILM, 1/2W 1K OHM J
R818	24019459	METAL PLATE, 2W 0.12 OHM J
R819	24381820	OXIDE METAL FILM, 1/2W 82 OHM J
R821	24366101	CARBON FILM, 1/6W 100 OHM J
R823	24381272	OXIDE METAL FILM, 1/2W 2.7K OHM J
R824	24569689	CERAMIC COVERED, 10W 6.8 OHM J
R829	24321338	OXIDE METAL FILM, 1/2W 0.33 OHM J
R831	24323339	OXIDE METAL FILM, 2W 3.3 OHM J
R841	24366102	CARBON FILM, 1/6W 1K OHM J
R842	24552562	OXIDE METAL FILM, 1/2W 5.6K OHM J
R843	24366103	CARBON FILM, 1/6W 10K OHM J
R844	24366102	CARBON FILM, 1/6W 1K OHM J
R880	24552471	OXIDE METAL FILM, 1/2W 470 OHM J
R881	24552561	OXIDE METAL FILM, 1/2W 560 OHM J
R882	24366222	CARBON FILM, 1/6W 2.2K OHM J

Location No.	Parts No.	Description
R883	24366561	CARBON FILM, 1/6W 560 OHM J
⚠ R899	24004718	METAL GLAZE 1/2W 8R2M J
R901	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
R902	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
R903	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
R904	24366472	CARBON FILM, 1/6W 4.7K OHM J
R905	24366150	CARBON FILM, 1/6W 15 OHM J
R907	24366560	CARBON FILM, 1/6W 56 OHM J
R913	24366560	CARBON FILM, 1/6W 56 OHM J
R914	24366471	CARBON FILM, 1/6W 470 OHM J
R915	24366100	CARBON FILM, 1/6W 10 OHM J
R916	24366330	CARBON FILM, 1/6W 33 OHM J
R917	24366271	CARBON FILM, 1/6W 270 OHM J
R918	24366330	CARBON FILM, 1/6W 33 OHM J
R920	24000961	FUSIBLE, 2W 2.2 OHM J
R921	24366471	CARBON FILM, 1/6W 470 OHM J
R922	24366100	CARBON FILM, 1/6W 10 OHM J
R924	24366330	CARBON FILM, 1/6W 33 OHM J
R925	24366271	CARBON FILM, 1/6W 270 OHM J
R928	24366471	CARBON FILM, 1/6W 470 OHM J
R929	24366100	CARBON FILM, 1/6W 10 OHM J
R930	24366330	CARBON FILM, 1/6W 33 OHM J
R932	24366332	CARBON FILM, 1/6W 3.3K OHM J
R933	24545829	FUSIBLE, 1/4W 8.2 OHM J
R934	24366471	CARBON FILM, 1/6W 470 OHM J
R935	24366122	CARBON FILM, 1/6W 1.2K OHM J
R937	24366271	CARBON FILM, 1/6W 270 OHM J
R940	24366560	CARBON FILM, 1/6W 56 OHM J
R942	24366222	CARBON FILM, 1/6W 2.2K OHM J
R943	24366222	CARBON FILM, 1/6W 2.2K OHM J
R944	24366222	CARBON FILM, 1/6W 2.2K OHM J
R945	24366330	CARBON FILM, 1/6W 33 OHM J
R946	24366330	CARBON FILM, 1/6W 33 OHM J
R952	24366222	CARBON FILM, 1/6W 2.2K OHM J
R953	24366222	CARBON FILM, 1/6W 2.2K OHM J
R954	24366222	CARBON FILM, 1/6W 2.2K OHM J
R958	24366101	CARBON FILM, 1/6W 100 OHM J
R961	24568472	CERAMIC COVERED, 7W 4.7K OHM J
R962	24568472	CERAMIC COVERED, 7W 4.7K OHM J
R964	24568472	CERAMIC COVERED, 7W 4.7K OHM J
R965	24568472	CERAMIC COVERED, 7W 4.7K OHM J
R966	24366331	CARBON FILM, 1/6W 330 OHM J
R977	24366681	CARBON FILM, 1/6W 680 OHM J
R978	24568472	CERAMIC COVERED, 7W 4.7K OHM J
R979	24568472	CERAMIC COVERED, 7W 4.7K OHM J
R980	24552102	OXIDE METAL FILM, 1/2W 1K OHM J
R981	24552102	OXIDE METAL FILM, 1/2W 1K OHM J
R982	24552102	OXIDE METAL FILM, 1/2W 1K OHM J
R992	24366150	CARBON FILM, 1/6W 15 OHM J
R2001	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
R2003	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
R2020	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
R2060	24012471	CHIP, METAL FILM, 1/16W 470 OHM J
R2061	24012471	CHIP, METAL FILM, 1/16W 470 OHM J
R2062	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
R2104	24012472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R2105	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
R2106	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
R2107	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
R2111	24000445	CHIP JUMPER, 1608TYPE
R2112	24000445	CHIP JUMPER, 1608TYPE
R2113	24000445	CHIP JUMPER, 1608TYPE
R2149	24872102	CHIP, 1/16W 1K OHM J
R2150	24872102	CHIP, 1/16W 1K OHM J
R2151	24872102	CHIP, 1/16W 1K OHM J
R2155	24872102	CHIP, 1/16W 1K OHM J
R2156	24872102	CHIP, 1/16W 1K OHM J
R2157	24872102	CHIP, 1/16W 1K OHM J
R2163	24000445	CHIP JUMPER, 1608TYPE

Location No.	Parts No.	Description
R2164	24000445	CHIP JUMPER, 1608TYPE
R2165	24000445	CHIP JUMPER, 1608TYPE
R2202	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
R4110	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R4111	24019259	FUSIBLE, 1/4W 27 OHM G
R4112	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
R4113	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R4115	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
R4116	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R4117	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R4118	24998103	CHIP, 1/16W 10K OHM
R4401	24012472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R4403	24012471	CHIP, METAL FILM, 1/16W 470 OHM J
R4405	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
R4407	24000445	CHIP JUMPER, 1608TYPE
R4409	24012472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R4411	24000445	CHIP JUMPER, 1608TYPE
R4412	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
R4414	24000445	CHIP JUMPER, 1608TYPE
R4466	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
R4467	24012332	CHIP, METAL FILM, 1/16W 3.3K OHM J
R4471	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
R4472	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
R4500	24321229	OXIDE METAL FILM, 1/2W 2.2 OHM J
R4501	24553470	OXIDE METAL FILM, 1W 47 OHM J
R4504	24553470	OXIDE METAL FILM, 1W 47 OHM J
R4605	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
R4693	24552331	OXIDE METAL FILM, 1/2W 330 OHM J
R4700	24011334	CHIP, METAL FILM, 1/20W 330K OHM J
R4820	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
R4999	24366682	CARBON FILM, 1/6W 6.8K OHM J
R5001	24011274	CHIP, 1/20W 270K OHM J
R5002	24011183	CHIP, METAL FILM, 1/20W 18K OHM J
R5004	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R5005	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R5007	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R5008	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R5009	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R5011	24011183	CHIP, METAL FILM, 1/20W 18K OHM J
R5012	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
R5013	24011361	CHIP, 1/20W 360 OHM J
R5014	24012122	CHIP, METAL FILM, 1/16W 1.2K OHM J
R5015	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
R5016	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
R5017	24012681	CHIP, METAL FILM, 1/16W 680 OHM J
R5020	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
R5021	24012182	CHIP, METAL FILM, 1/16W 1.8K OHM J
R5022	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
R5023	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
R5024	24012561	CHIP, METAL FILM, 1/16W 560 OHM J
R5025	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
R5026	24012471	CHIP, METAL FILM, 1/16W 470 OHM J
R5027	24012152	CHIP, METAL FILM, 1/16W 1.5K OHM J
R5028	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
R5029	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
R5030	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
R5031	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
R5032	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
R9180	24366470	CARBON FILM, 1/6W 47 OHM J
R9240	24366470	CARBON FILM, 1/6W 47 OHM J
R9300	24366470	CARBON FILM, 1/6W 47 OHM J
R9930	24366101	CARBON FILM, 1/6W 100 OHM J
RA01	24012392	CHIP, METAL FILM, 1/16W 3.9K OHM J
RA02	24012393	CHIP, METAL FILM, 1/16W 39K OHM J
RA03	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RA04	24012273	CHIP, METAL FILM, 1/16W 27K OHM J
RA05	24012273	CHIP, METAL FILM, 1/16W 27K OHM J
RA06	24012222	CHIP, 1/16W 2.2K OHM J
RA07	24012222	CHIP, 1/16W 2.2K OHM J

Location No.	Parts No.	Description
RA08	24011271	CHIP, 1/20W 270 OHM J
RA09	24011271	CHIP, 1/20W 270 OHM J
RA10	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
RA11	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RA12	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RA13	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA14	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA15	24012472	CHIP, METAL FILM, 1/16W 4.7K OHM J
RA16	24012224	METAL FILM CHIP 1005 1/16W 220K J
RA17	24012224	METAL FILM CHIP 1005 1/16W 220K J
RA18	24012224	METAL FILM CHIP 1005 1/16W 220K J
RA19	24012224	METAL FILM CHIP 1005 1/16W 220K J
RA23	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
RA24	24012222	CHIP, 1/16W 2.2K OHM J
RA25	24012222	CHIP, 1/16W 2.2K OHM J
RA26	24012330	CHIP, METAL FILM, 1/16W 33 OHM J
RA27	24012330	CHIP, METAL FILM, 1/16W 33 OHM J
RA28	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RA29	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RA30	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RA31	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RA32	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RA33	24012222	CHIP, 1/16W 2.2K OHM J
RA34	24012473	CHIP, METAL FILM, 1/16W 47K OHM J
RA37	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RA38	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RA39	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RA40	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RA41	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
RA42	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
RA43	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RA44	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RA45	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RA46	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA48	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RA50	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RA51	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RA52	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RA53	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RA54	24012222	CHIP, 1/16W 2.2K OHM J
RA55	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RA56	24012222	CHIP, 1/16W 2.2K OHM J
RA57	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RA58	24012222	CHIP, 1/16W 2.2K OHM J
RA59	24012222	CHIP, 1/16W 2.2K OHM J
RA60	24012331	CHIP, METAL FILM, 1/16W 330 OHM J
RA61	24012331	CHIP, METAL FILM, 1/16W 330 OHM J
RA62	24011334	CHIP, METAL FILM, 1/20W 330K OHM J
RA63	24011334	CHIP, METAL FILM, 1/20W 330K OHM J
RA64	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
RA65	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
RA66	24012392	CHIP, METAL FILM, 1/16W 3.9K OHM J
RA67	24012392	CHIP, METAL FILM, 1/16W 3.9K OHM J
RA68	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
RA69	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
RA70	24012333	CHIP, METAL FILM, 1/16W 33K OHM J
RA71	24366683	CARBON FILM, 1/6W 68K OHM J @905A
	24012333	CHIP, METAL FILM, 1/16W 33K OHM J @U902
RA72	24366223	CARBON FILM, 1/6W 22K OHM J @U905A
	24012330	CHIP, METAL FILM, 1/16W 33 OHM J @U902
RA73	24366103	CARBON FILM, 1/6W 10K OHM J @U905A
	24012330	CHIP, METAL FILM, 1/16W 33 OHM J @U902
RA74	24012330	CHIP, METAL FILM, 1/16W 33 OHM J
RA75	24012330	CHIP, METAL FILM, 1/16W 33 OHM J
RA76	24366103	CARBON FILM, 1/6W 10K OHM J @U905A
	24011271	CHIP, 1/20W 270 OHM J @U902
RA77	24011271	CHIP, 1/20W 270 OHM J
RA78	24011271	CHIP, 1/20W 270 OHM J
RA79	24011331	CHIP, METAL FILM, 1/20W 330 OHM J

Location No.	Parts No.	Description
RA80	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RA81	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RA82	24012330	CHIP, METAL FILM, 1/16W 33 OHM J
RA83	24012330	CHIP, METAL FILM, 1/16W 33 OHM J
RA84	24012330	CHIP, METAL FILM, 1/16W 33 OHM J
RA85	24012331	CHIP, METAL FILM, 1/16W 330 OHM J
RA86	24012331	CHIP, METAL FILM, 1/16W 330 OHM J
RA87	24366223	CARBON FILM, 1/6W 22K OHM J @U905A
	24012331	CHIP, METAL FILM, 1/16W 330 OHM J @U902
RA88	24012331	CHIP, METAL FILM, 1/16W 330 OHM J
RA90	24012472	CHIP, METAL FILM, 1/16W 4.7K OHM J
RA91	24012472	CHIP, METAL FILM, 1/16W 4.7K OHM J
RA92	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RA93	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RA100	24012471	CHIP, METAL FILM, 1/16W 470 OHM J
RA101	24012391	CHIP, METAL FILM, 1/16W 390 OHM J
RA102	24012331	CHIP, METAL FILM, 1/16W 330 OHM J
RA103	24012471	CHIP, METAL FILM, 1/16W 470 OHM J
RA104	24012333	CHIP, METAL FILM, 1/16W 33K OHM J
RA105	24012682	CHIP, METAL FILM, 1/16W 6.8K OHM J
RA106	24012224	METAL FILM CHIP 1005 1/16W 220K J
RA107	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
RA108	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
RA109	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA110	24012333	CHIP, METAL FILM, 1/16W 33K OHM J
RA111	24012333	CHIP, METAL FILM, 1/16W 33K OHM J
RA112	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RA113	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RA114	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
RA115	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
RA116	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RA117	24012333	CHIP, METAL FILM, 1/16W 33K OHM J
RA118	24012153	CHIP, METAL FILM, 1/16W 15K OHM J
RA119	24012221	CHIP, METAL FILM, 1/16W 220 OHM J
RA120	24012221	CHIP, METAL FILM, 1/16W 220 OHM J
RA121	24012471	CHIP, METAL FILM, 1/16W 470 OHM J
RA122	24012331	CHIP, METAL FILM, 1/16W 330 OHM J
RA123	24012332	CHIP, METAL FILM, 1/16W 3.3K OHM J
RA124	24012222	CHIP, 1/16W 2.2K OHM J
RA125	24012471	CHIP, METAL FILM, 1/16W 470 OHM J
RA126	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RA127	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RA128	24012473	CHIP, METAL FILM, 1/16W 47K OHM J
RA434	24012473	CHIP, METAL FILM, 1/16W 47K OHM J
RA501	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
RA502	24011683	CHIP, METAL FILM, 1/20W 68K OHM J
RA503	24011393	CHIP, 1/20W 39K OHM J
RA504	24012472	CHIP, METAL FILM, 1/16W 4.7K OHM J
RB01	24366271	CARBON FILM, 1/6W 270 OHM J
RB02	24366221	CARBON FILM, 1/6W 220 OHM J
RB04	24366223	CARBON FILM, 1/6W 22K OHM J
RB09	24366470	CARBON FILM, 1/6W 47 OHM J
RB11	24366103	CARBON FILM, 1/6W 10K OHM J
RB21	24366104	CARBON FILM, 1/6W 100K OHM J
RC01	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RC02	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RC03	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RC04	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RC05	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RC06	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RC07	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RC08	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RC09	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RC10	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RC11	24366102	CARBON FILM, 1/6W 1K OHM J @U905A
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U903
RC12	24366102	CARBON FILM, 1/6W 1K OHM J @U905A
	24011102	CHIP, METAL FILM, 1/20W 1K OHM J @U903
RJ01	24000633	METAL FILM, 1/4W 10K OHM F

Location No.	Parts No.	Description
RJ02	24000359	METAL FILM, 1/4W 1.1K OHM F
RJ03	24366512	CARBON FILM, 1/6W 5.1K OHM J
RJ05	24310159	OXIDE METAL FILM, 1/2W 1.5 OHM J
RJ06	24382471	OXIDE METAL FILM, 1W 470 OHM J
RJ07	24310109	OXIDE METAL FILM, 1/2W 1 OHM J
RJ08	24366102	CARBON FILM, 1/6W 1K OHM J
RS20	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS21	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS25	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS26	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS31	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS32	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS33	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS34	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS40	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS41	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS42	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS43	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS44	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS45	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS46	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS47	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS48	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS49	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS50	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS51	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS54	24011272	CHIP, 1/20W 2.7K OHM J
RS55	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS56	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS57	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS58	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS59	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS60	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS61	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS64	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
RS65	24011182	CHIP, METAL FILM, 1/20W 1.8K OHM J
RS66	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RS67	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS68	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS69	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RS70	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RS71	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RS72	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RS73	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS74	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS75	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS76	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS77	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RS78	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RS79	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS80	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RS81	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RS82	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS83	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV01	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV02	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV03	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RV04	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RV05	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV06	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV07	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV08	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV09	24000445	CHIP JUMPER, 1608TYPE
RV11	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV12	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV17	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV18	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV19	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV23	24011101	CHIP, METAL FILM, 1/20W 100 OHM J

Location No.	Parts No.	Description
RV24	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV26	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV27	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV28	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV29	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV30	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV31	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV32	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV33	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV40	24011683	CHIP, METAL FILM, 1/20W 68K OHM J
RV41	24011683	CHIP, METAL FILM, 1/20W 68K OHM J
RV42	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV50	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV51	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV82	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV83	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV84	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV85	24366750	CARBON FILM, 1/6W 75 OHM J
RV87	24366750	CARBON FILM, 1/6W 75 OHM J
RV101	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV103	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV111	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV113	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV121	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV123	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV131	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV133	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV141	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV143	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV151	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV153	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV201	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV202	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV203	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV204	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV205	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV206	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV225	24366750	CARBON FILM, 1/6W 75 OHM J
RV226	24366750	CARBON FILM, 1/6W 75 OHM J
RV227	24366750	CARBON FILM, 1/6W 75 OHM J
RV481	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV482	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
RV483	24366681	CARBON FILM, 1/6W 680 OHM J
RV484	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RX001	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RX012	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RX013	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RX014	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RX015	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RX020	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RX021	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RX099	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RX101	24000445	CHIP JUMPER, 1608TYPE
RX102	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RX105	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RX106	24012473	CHIP, METAL FILM, 1/16W 47K OHM J
RX107	24000445	CHIP JUMPER, 1608TYPE
RX108	24000445	CHIP JUMPER, 1608TYPE
RX110	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RX112	24000445	CHIP JUMPER, 1608TYPE
RX113	24000445	CHIP JUMPER, 1608TYPE
RX114	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RX115	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RX116	24000445	CHIP JUMPER, 1608TYPE
RX117	24000445	CHIP JUMPER, 1608TYPE
RX118	24000445	CHIP JUMPER, 1608TYPE
RX162	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RX163	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RX164	24011470	CHIP, METAL FILM, 1/20W 47 OHM J

Location No.	Parts No.	Description
RX300	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RX301	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RX302	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RX303	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RX304	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RX305	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RX306	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RX307	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RX308	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RX309	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RX310	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RX311	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RX312	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RX313	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RX314	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RX315	24019448	CHIP BLOCK, 1/32W 10K OHM J X-8
RX316	24019448	CHIP BLOCK, 1/32W 10K OHM J X-8
RX317	24019448	CHIP BLOCK, 1/32W 10K OHM J X-8
RX318	24019448	CHIP BLOCK, 1/32W 10K OHM J X-8
RX401	24000559	CHIP, 1/16W 820 OHM F
RX402	24000445	CHIP JUMPER, 1608TYPE
RX403	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RX411	24012223	CHIP, METAL FILM, 1/16W 22K OHM J
RX412	24011680	CHIP, METAL FILM, 1/20W 68 OHM J
RX413	24011680	CHIP, METAL FILM, 1/20W 68 OHM J
RX414	24012222	CHIP, 1/16W 2.2K OHM J
RX415	24011680	CHIP, METAL FILM, 1/20W 68 OHM J
RX416	24012152	CHIP, METAL FILM, 1/16W 1.5K OHM J
RX417	24012333	CHIP, METAL FILM, 1/16W 33K OHM J
RX418	24012223	CHIP, METAL FILM, 1/16W 22K OHM J
RX419	24012333	CHIP, METAL FILM, 1/16W 33K OHM J
RX420	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RX421	24011680	CHIP, METAL FILM, 1/20W 68 OHM J
RX422	24012333	CHIP, METAL FILM, 1/16W 33K OHM J
RX423	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RX424	24012223	CHIP, METAL FILM, 1/16W 22K OHM J
RX430	24012152	CHIP, METAL FILM, 1/16W 1.5K OHM J
RX433	24011680	CHIP, METAL FILM, 1/20W 68 OHM J
RX446	24012222	CHIP, 1/16W 2.2K OHM J
RX501	24012620	METAL FILM CHIP 1005 1/16W 62 J
RX502	24012620	METAL FILM CHIP 1005 1/16W 62 J
RX503	24011560	CHIP, METAL FILM, 1/20W 56 OHM J
RX504	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RX505	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RX506	24012152	CHIP, METAL FILM, 1/16W 1.5K OHM J
RX507	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RX510	24000445	CHIP JUMPER, 1608TYPE
RX511	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RX513	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RX514	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RX515	24000445	CHIP JUMPER, 1608TYPE
RX516	24012222	CHIP, 1/16W 2.2K OHM J
RX517	24012152	CHIP, METAL FILM, 1/16W 1.5K OHM J
RX518	24012152	CHIP, METAL FILM, 1/16W 1.5K OHM J
RX519	24000445	CHIP JUMPER, 1608TYPE
RX520	24000445	CHIP JUMPER, 1608TYPE
RX521	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RX522	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RX523	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RX525	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RX527	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RX529	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RX530	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RX531	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RX532	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RX533	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RX534	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RX535	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RX536	24011101	CHIP, METAL FILM, 1/20W 100 OHM J

Location No.	Parts No.	Description
RX555	24011201	CHIP, METAL FILM, 1/20W 200 OHM J
RX557	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RX565	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
RX567	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RX575	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
RX577	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RX578	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RX581	24011334	CHIP, METAL FILM, 1/20W 330K OHM J
RX582	24011334	CHIP, METAL FILM, 1/20W 330K OHM J
RX600	24012750	METAL FILM CHIP 1005 1/16W 750 J
RX601	24011680	CHIP, METAL FILM, 1/20W 68 OHM J
RX602	24011680	CHIP, METAL FILM, 1/20W 68 OHM J
RX603	24011680	CHIP, METAL FILM, 1/20W 68 OHM J
RX607	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
RX608	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RX610	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RX611	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RX613	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RX614	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RX616	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RX617	24000445	CHIP JUMPER, 1608TYPE
RX618	24000445	CHIP JUMPER, 1608TYPE
RX619	24000445	CHIP JUMPER, 1608TYPE
RX802	24000445	CHIP JUMPER, 1608TYPE
RX803	24000445	CHIP JUMPER, 1608TYPE
RX805	24000445	CHIP JUMPER, 1608TYPE
RX806	24000445	CHIP JUMPER, 1608TYPE
RX831	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RX832	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RX833	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RX834	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RX835	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RX839	24012332	CHIP, METAL FILM, 1/16W 3.3K OHM J
RX840	24012472	CHIP, METAL FILM, 1/16W 4.7K OHM J
RX841	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RX901	24000445	CHIP JUMPER, 1608TYPE
RX902	24000445	CHIP JUMPER, 1608TYPE
RX903	24000445	CHIP JUMPER, 1608TYPE
RX904	24000445	CHIP JUMPER, 1608TYPE
RX905	24000445	CHIP JUMPER, 1608TYPE
RX906	24000445	CHIP JUMPER, 1608TYPE
RX907	24000445	CHIP JUMPER, 1608TYPE
RX908	24000445	CHIP JUMPER, 1608TYPE
RX909	24000445	CHIP JUMPER, 1608TYPE
RX910	24000445	CHIP JUMPER, 1608TYPE
RX911	24000445	CHIP JUMPER, 1608TYPE
RY001	24011183	CHIP, METAL FILM, 1/20W 18K OHM J
RY002	24011274	CHIP, 1/20W 270K OHM J
RY003	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RY004	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RY005	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RY006	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RY007	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RY008	24011183	CHIP, METAL FILM, 1/20W 18K OHM J
RY009	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
RY010	24011361	CHIP, 1/20W 360 OHM J
RY011	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RY012	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RY013	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RY014	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RY015	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RY016	24019480	CHIP BLOCK P-8 1/32W P-8 47 J
RY02	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RY04	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RY160	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
RY170	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RY171	24011183	CHIP, METAL FILM, 1/20W 18K OHM J
RY172	24011273	CHIP, 1/20W 27K OHM J
RY401	24012391	CHIP, METAL FILM, 1/16W 390 OHM J

Location No.	Parts No.	Description
RY402	24012271	CHIP, METAL FILM, 1/16W 270 OHM J
RY403	24012271	CHIP, METAL FILM, 1/16W 270 OHM J
RY404	24012152	CHIP, METAL FILM, 1/16W 1.5K OHM J
RY405	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RY406	24012331	CHIP, METAL FILM, 1/16W 330 OHM J
RY407	24012331	CHIP, METAL FILM, 1/16W 330 OHM J
RY408	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RY409	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RY410	24012271	CHIP, METAL FILM, 1/16W 270 OHM J
RY411	24012821	CHIP, METAL FILM, 1/16W 820 OHM J
RY412	24012471	CHIP, METAL FILM, 1/16W 470 OHM J
RY413	24012331	CHIP, METAL FILM, 1/16W 330 OHM J
RY414	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RY415	24012152	CHIP, METAL FILM, 1/16W 1.5K OHM J
RY416	24012681	CHIP, METAL FILM, 1/16W 680 OHM J
RY417	24012331	CHIP, METAL FILM, 1/16W 330 OHM J
RY418	24012271	CHIP, METAL FILM, 1/16W 270 OHM J
RY419	24012331	CHIP, METAL FILM, 1/16W 330 OHM J
RY420	24012821	CHIP, METAL FILM, 1/16W 820 OHM J
RY421	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RY422	24012331	CHIP, METAL FILM, 1/16W 330 OHM J
RY423	24012122	CHIP, METAL FILM, 1/16W 1.2K OHM J
RY424	24012152	CHIP, METAL FILM, 1/16W 1.5K OHM J
RY425	24012271	CHIP, METAL FILM, 1/16W 270 OHM J
RY426	24012152	CHIP, METAL FILM, 1/16W 1.5K OHM J
RY427	24012122	CHIP, METAL FILM, 1/16W 1.2K OHM J
RY428	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RY429	24012821	CHIP, METAL FILM, 1/16W 820 OHM J
RY430	24012681	CHIP, METAL FILM, 1/16W 680 OHM J
RY431	24012271	CHIP, METAL FILM, 1/16W 270 OHM J
RZ01	24012221	CHIP, METAL FILM, 1/16W 220 OHM J
RZ02	24012471	CHIP, METAL FILM, 1/16W 470 OHM J
RZ03	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RZ04	24012471	CHIP, METAL FILM, 1/16W 470 OHM J
RZ05	24012271	CHIP, METAL FILM, 1/16W 270 OHM J
RZ06	24012561	CHIP, METAL FILM, 1/16W 560 OHM J
RZ07	24012332	CHIP, METAL FILM, 1/16W 3.3K OHM J
RZ08	24012271	CHIP, METAL FILM, 1/16W 270 OHM J
RZ09	24012821	CHIP, METAL FILM, 1/16W 820 OHM J
RZ10	24012331	CHIP, METAL FILM, 1/16W 330 OHM J
RZ11	24012331	CHIP, METAL FILM, 1/16W 330 OHM J
RZ13	24012221	CHIP, METAL FILM, 1/16W 220 OHM J
RZ14	24012223	CHIP, METAL FILM, 1/16W 22K OHM J
RZ15	24012224	METAL FILM CHIP 1005 1/16W 220K J
RZ16	24012222	CHIP, 1/16W 2.2K OHM J
RZ17	24012182	CHIP, METAL FILM, 1/16W 1.8K OHM J
RZ18	24012103	CHIP, METAL FILM, 1/16W 10K OHM J
RZ19	24012472	CHIP, METAL FILM, 1/16W 4.7K OHM J
RZ20	24012220	METAL FILM CHIP 1005 1/16W 22 J
RZ21	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RZ22	24012221	CHIP, METAL FILM, 1/16W 220 OHM J
RZ23	24012152	CHIP, METAL FILM, 1/16W 1.5K OHM J
RZ24	24012222	CHIP, 1/16W 2.2K OHM J
RZ26	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RZ28	24012220	METAL FILM CHIP 1005 1/16W 22 J
RZ29	24012471	CHIP, METAL FILM, 1/16W 470 OHM J
RZ30	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RZ31	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RZ32	24012331	CHIP, METAL FILM, 1/16W 330 OHM J
RZ33	24012331	CHIP, METAL FILM, 1/16W 330 OHM J
RZ34	24012681	CHIP, METAL FILM, 1/16W 680 OHM J
RZ35	24012471	CHIP, METAL FILM, 1/16W 470 OHM J
RZ37	24012104	CHIP, METAL FILM, 1/16W 100K OHM J
RZ38	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RZ39	24012221	CHIP, METAL FILM, 1/16W 220 OHM J
RZ40	24012331	CHIP, METAL FILM, 1/16W 330 OHM J
RZ41	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RZ42	24012101	CHIP, METAL FILM, 1/16W 100 OHM J
RZ47	24012102	CHIP, METAL FILM, 1/16W 1K OHM J
RZ48	24012112	METAL FILM CHIP 1005 1/16W 112 J
RZ50	24012332	CHIP, METAL FILM, 1/16W 3.3K OHM J

COIL & TRANSFORMERS

L101	23248296	COIL, CHOKE
L102	23103828	INDUCTOR, BEAD, TEM2121M
L103	23103828	INDUCTOR, BEAD, TEM2121M
L300	23103894	FILTER, FERRITE BEAD, TEM2011AW
L302	23289846	COIL, PEAKING, TRF4101AT
L441	23233110	COIL, LIN 22X40H 7A 12.5MMH TLN2227AH
L442	23248282	COIL, CHOKE, TLN3458AH
L450	23248305	COIL, CHOKE, TLN3346GH
L451	23233100	COIL, TLN2110AH
L461	23248310	COIL, CHOKE, TLN3500GH
L462	23231395	DEFLECTION YOKE, 32RACSSCPM TDY-636AZ
L462A	23993162	METALSHEET,XHCORRECTPIESEHOSEIHENXH
L462B	23006010	FERRITE SHEET, SPOILER POSI
L462C	23006011	FERRITE SHEET, SPOILER NEGA
L462E	23960101	SILICONE RUBBER, TSE-382 RTV
L463	23103894	FILTER, FERRITE BEAD, TEM2011AW
L464	23103894	FILTER, FERRITE BEAD, TEM2011AW
L491	23248191	COIL, CHOKE, TLN3351AD
L499	23248282	COIL, CHOKE, TLN3458AH
L501	23103230	INDUCTOR, BEAD, TEM2134AD
L503	23103230	INDUCTOR, BEAD, TEM2134AD
L550	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
L702	23261974	COIL, FERRITE BEAD, HC5-035
L704	23103894	FILTER, FERRITE BEAD, TEM2011AW
L705	23103894	FILTER, FERRITE BEAD, TEM2011AW
L706	23289918	COIL, PEAKING, TRF4100AU
L811	23103894	FILTER, FERRITE BEAD, TEM2011AW
L815	23103894	FILTER, FERRITE BEAD, TEM2011AW
L817	23103937	FILTER, EM2004
L830	23248289	COIL, CHOKE, TLN3312GH
L831	23248289	COIL, CHOKE, TLN3312GH
L836	23248288	COIL, CHOKE, TLN3299GH
L840	23280019	COIL, PEAKING, TRF4330AZ
L841	23248289	COIL, CHOKE, TLN3312GH
L883	23221111	COIL, CHOKE, TRF9253GH
L885	23248288	COIL, CHOKE, TLN3299GH
L889	23248289	COIL, CHOKE, TLN3312GH
L891	23103894	FILTER, FERRITE BEAD, TEM2011AW
L892	23103894	FILTER, FERRITE BEAD, TEM2011AW
L893	23280016	COIL, PEAKING, TRF4100AZ
L895	23248289	COIL, CHOKE, TLN3312GH
L896	23103248	FERRITR CHOKE, TEM2014AA
L897	23248289	COIL, CHOKE, TLN3312GH
⚠ L901	23200715	COIL,DG0.40CU115T-2LOOP(P-VL)TSB-2429AF
	23289914	COIL, PEAKING, TRF4479AU @U901A
L902	23289689	COIL, PEAKING, TRF46R8AF
L903	23289689	COIL, PEAKING, TRF46R8AF
L904	23289689	COIL, PEAKING, TRF46R8AF
L905	23289912	COIL, PEAKING COIL 3.3MMH TRF4339AU
L906	23289912	COIL, PEAKING COIL 3.3MMH TRF4339AU
L907	23289912	COIL, PEAKING COIL 3.3MMH TRF4339AU
L908	23289918	COIL, PEAKING, TRF4100AU
L911	23289918	COIL, PEAKING, TRF4100AU
L916	23289914	COIL, PEAKING, TRF4479AU
L924	23289914	COIL, PEAKING, TRF4479AU
L5400	23246197	COIL,CHIP-INDUCTOR-1R5MMHJCOLTRF41R5CG
L5406	23103239	INDUCTOR, BEAD TEM2143AD
L5407	23103239	INDUCTOR, BEAD TEM2143AD
L5408	23103239	INDUCTOR, BEAD TEM2143AD
L8100	23103239	INDUCTOR, BEAD TEM2143AD
L8101	23103239	INDUCTOR, BEAD TEM2143AD
L8102	23103230	INDUCTOR, BEAD, TEM2134AD
L8103	23103239	INDUCTOR, BEAD TEM2143AD
L8104	23103239	INDUCTOR, BEAD TEM2143AD
L8105	23103239	INDUCTOR, BEAD TEM2143AD

Location No.	Parts No.	Description
L8106	23103239	INDUCTOR, BEAD TEM2143AD
L8107	23103239	INDUCTOR, BEAD TEM2143AD
L8110	23103239	INDUCTOR, BEAD TEM2143AD
L8111	23103239	INDUCTOR, BEAD TEM2143AD
LA01	23103239	INDUCTOR, BEAD TEM2143AD
LA02	23103887	INDUCTOR, CHIP BEAD, TEM2130AM
LA03	23103887	INDUCTOR, CHIP BEAD, TEM2130AM
LA04	23103887	INDUCTOR, CHIP BEAD, TEM2130AM
LA05	23103887	INDUCTOR, CHIP BEAD, TEM2130AM
LA06	23103887	INDUCTOR, CHIP BEAD, TEM2130AM
LA08	23246229	COIL, CHIP INDUCTOR, TRF4101CG
LA09	23103239	INDUCTOR, BEAD TEM2143AD
LA10	23103239	INDUCTOR, BEAD TEM2143AD
LA11	23103239	INDUCTOR, BEAD TEM2143AD
LA12	23103887	INDUCTOR, CHIP BEAD, TEM2130AM
LA13	23103828	INDUCTOR, BEAD, TEM2121M
LA14	23103828	INDUCTOR, BEAD, TEM2121M
LA15	23103828	INDUCTOR, BEAD, TEM2121M
LA16	23103828	INDUCTOR, BEAD, TEM2121M
LA17	23103828	INDUCTOR, BEAD, TEM2121M
LA18	23103828	INDUCTOR, BEAD, TEM2121M
LA19	23103828	INDUCTOR, BEAD, TEM2121M
LA22	23103828	INDUCTOR, BEAD, TEM2121M
LA23	23103828	INDUCTOR, BEAD, TEM2121M
LA24	23103828	INDUCTOR, BEAD, TEM2121M
LA25	23103828	INDUCTOR, BEAD, TEM2121M
LA26	23103887	INDUCTOR, CHIP BEAD, TEM2130AM
LA27	23103239	INDUCTOR, BEAD TEM2143AD
LA28	23103887	INDUCTOR, CHIP BEAD, TEM2130AM
LA29	23103887	INDUCTOR, CHIP BEAD, TEM2130AM
LA30	23103887	INDUCTOR, CHIP BEAD, TEM2130AM
LA31	23103828	INDUCTOR, BEAD, TEM2121M
LA32	23103828	INDUCTOR, BEAD, TEM2121M
⚠ LJ901	23200448	COIL,GEOMAGNETICCORRECTIONTSB-2408AG
LV01	23289918	COIL, PEAKING, TRF4100AU
LV03	23103159	FILTER,EMI,TEM2028AA,7.5X6.4X860MMH0.5A
LV04	23103159	FILTER,EMI,TEM2028AA,7.5X6.4X860MMH0.5A
LV06	23103146	EMI FILTER, TEM2030AA
LV07	23103159	FILTER,EMI,TEM2028AA,7.5X6.4X860MMH0.5A
LV08	23103159	FILTER,EMI,TEM2028AA,7.5X6.4X860MMH0.5A
LV09	23103159	FILTER,EMI,TEM2028AA,7.5X6.4X860MMH0.5A
LV10	23103159	FILTER,EMI,TEM2028AA,7.5X6.4X860MMH0.5A
LV11	23103159	FILTER,EMI,TEM2028AA,7.5X6.4X860MMH0.5A
LV12	23103159	FILTER,EMI,TEM2028AA,7.5X6.4X860MMH0.5A
LX100	23103239	INDUCTOR, BEAD TEM2143AD
LX202	23103230	INDUCTOR, BEAD, TEM2134AD
LX203	23103230	INDUCTOR, BEAD, TEM2134AD
LX301	23103239	INDUCTOR, BEAD TEM2143AD
LX302	23103239	INDUCTOR, BEAD TEM2143AD
LX304	23103239	INDUCTOR, BEAD TEM2143AD
LX305	23103239	INDUCTOR, BEAD TEM2143AD
LX308	23103239	INDUCTOR, BEAD TEM2143AD
LX330	23103239	INDUCTOR, BEAD TEM2143AD
LX331	23103239	INDUCTOR, BEAD TEM2143AD
LX332	23103239	INDUCTOR, BEAD TEM2143AD
LX333	23103239	INDUCTOR, BEAD TEM2143AD
LX335	23103239	INDUCTOR, BEAD TEM2143AD
LX401	23103239	INDUCTOR, BEAD TEM2143AD
LX403	23103272	FILTER, EMI 2012 361OHM 0.22A TEM2034AD
LX432	23221099	COIL, FILTER, TEM2027AD
LX435	23221099	COIL, FILTER, TEM2027AD
LX436	23221099	COIL, FILTER, TEM2027AD
LX443	23103230	INDUCTOR, BEAD, TEM2134AD
LX444	23103230	INDUCTOR, BEAD, TEM2134AD
LX470	23103230	INDUCTOR, BEAD, TEM2134AD
LX500	23103230	INDUCTOR, BEAD, TEM2134AD
LX501	23103239	INDUCTOR, BEAD TEM2143AD
LX542	23103230	INDUCTOR, BEAD, TEM2134AD
LX551	23221099	COIL, FILTER, TEM2027AD
LX552	23246191	COIL,CHIP-INDUCTOR-R47MMHJCOLTRF4R47CG
LX561	23221099	COIL, FILTER, TEM2027AD
LX562	23246191	COIL,CHIP-INDUCTOR-R47MMHJCOLTRF4R47CG
LX571	23221099	COIL, FILTER, TEM2027AD
LX572	23246191	COIL,CHIP-INDUCTOR-R47MMHJCOLTRF4R47CG
LX600	23103230	INDUCTOR, BEAD, TEM2134AD
LX601	23103230	INDUCTOR, BEAD, TEM2134AD
LX700	23103230	INDUCTOR, BEAD, TEM2134AD
LX800	23103239	INDUCTOR, BEAD TEM2143AD
LX900	23103239	INDUCTOR, BEAD TEM2143AD
LX901	23103239	INDUCTOR, BEAD TEM2143AD
LX903	23103239	INDUCTOR, BEAD TEM2143AD
LX904	23103230	INDUCTOR, BEAD, TEM2134AD
LX905	23103239	INDUCTOR, BEAD TEM2143AD
LX906	23103230	INDUCTOR, BEAD, TEM2134AD
LX909	23103230	INDUCTOR, BEAD, TEM2134AD
LX910	23103230	INDUCTOR, BEAD, TEM2134AD
LY001	23103239	INDUCTOR, BEAD TEM2143AD
LY002	23103239	INDUCTOR, BEAD TEM2143AD
LY003	23246197	COIL,CHIP-INDUCTOR-1R5MMHJCOLTRF41R5CG
LY004	23103239	INDUCTOR, BEAD TEM2143AD
LY005	23103239	INDUCTOR, BEAD TEM2143AD
LY101	23248296	COIL, CHOKE
LY102	23103828	INDUCTOR, BEAD, TEM2121M
LY103	23103828	INDUCTOR, BEAD, TEM2121M
LZ003	23103230	INDUCTOR, BEAD, TEM2134AD
LZ05	23246221	COIL, CHIP INDUCTOR, TRF4220CG
LZ06	23246204	COIL,CHIP-INDUCTOR-5R6MMHJCOLTRF45R6CG
LZ13	23103239	INDUCTOR, BEAD TEM2143AD
LZ14	23103239	INDUCTOR, BEAD TEM2143AD
LZ15	24000445	CHIP JUMPER, 1608TYPE
LZ16	23103828	INDUCTOR, BEAD, TEM2121M
LZ17	23103239	INDUCTOR, BEAD TEM2143AD
LZ18	23103239	INDUCTOR, BEAD TEM2143AD
LZ19	23103239	INDUCTOR, BEAD TEM2143AD
LZ20	24000445	CHIP JUMPER, 1608TYPE
LZ21	23103239	INDUCTOR, BEAD TEM2143AD
⚠ T400	23224390	TRANSFORMER, FOCUS, TLN2226AH
⚠ T401	23224381	TRANSFORMER, HORIZ DRIVE, TLN1080GH
⚠ T461	23236835	TRANSFORMER, FLY-BACK TFB4215AD (NO SERVICE PART)
T461Z	23236858	TRANSFORMER, HORIZ OUTPUT, SERVICE, TFB4215ZH
⚠ T801	23211765	COIL, LF LH35V TRF3239AH
⚠ T802	23211765	COIL, LF LH35V TRF3239AH
T803	23211778	COIL, LINE FILTER 37X44H 3.5MH TRF3209AH
⚠ T840	23217650	TRANSFORMER, CONVERTER TPW3541AH
⚠ T862	23217683	TRANSFORMER, CONVERTER TPW3556AH

SEMICONDUCTORS

Q170	23314993	TRANSISTOR, 2SC4081 Q
Q200	23314292	TRANSISTOR, 2SC4116-Y
Q201	23314204	TRANSISTOR, 2SC2412K,Q
Q220	23114460	TRANSISTOR, RN1204
Q340	23205014	TRANSISTOR, 2SC4667-O
Q360	23314204	TRANSISTOR, 2SC2412K,Q
Q399	23314959	TRANSISTOR, 2SC4632LS-CB
Q402	23314862	TRANSISTOR, FET, 2SK941
Q404B	23850638	INSULATOR, TRANSISTOR, AC263
Q418	23314141	TRANSISTOR, 2SC3852
Q470	23114759	TRANSISTOR, 2SA949-Y
Q501	23085063	IC,3L-COMBMCDLQFP100PINTC90101FG(BS,DRY)
Q510	23009369	IC, TA1360AFG
Q520	23314289	TRANSISTOR, 2SA1586-Y
Q601	23906597	IC, BA4558F
Q612	23314994	TRANSISTOR, 2SA1576A106
Q613	23114499	TRANSISTOR, RN1404
Q620	23009699	IC, AUDIO SOUND CONTROLLER BD3869AF
Q630	23009042	IC, LA4525
Q631	23205204	TRANSISTOR, NPN VEBO=25V KTC2875B-RTK
Q632	23205204	TRANSISTOR, NPN VEBO=25V KTC2875B-RTK

Location No.	Parts No.	Description
Q670	23906523	IC, TA8256BH
Q671	23205204	TRANSISTOR, NPN VEBO=25V KTC2875B-RTK
Q672	23205204	TRANSISTOR, NPN VEBO=25V KTC2875B-RTK
Q673	23205204	TRANSISTOR, NPN VEBO=25V KTC2875B-RTK
Q674	23205204	TRANSISTOR, NPN VEBO=25V KTC2875B-RTK
Q691	23114466	TRANSISTOR, RN2204
Q705	23114433	TRANSISTOR, 2SC1815-Y
Q706	23114433	TRANSISTOR, 2SC1815-Y
Q707	23114437	TRANSISTOR, 2SC752GTM-Y
Q709	23114433	TRANSISTOR, 2SC1815-Y
Q710	23114425	TRANSISTOR, 2SA1015-Y(TE
Q711	23314909	TRANSISTOR, 2SA1837
Q712	23314912	TRANSISTOR, 2SC4793
Q719	23114433	TRANSISTOR, 2SC1815-Y
Q720	23114433	TRANSISTOR, 2SC1815-Y
Q821	23114433	TRANSISTOR, 2SC1815-Y
Q823	23009471	IC, REGULATOR +2.5V 2% R1170H251B-T
Q824	23009471	IC, REGULATOR +2.5V 2% R1170H251B-T
Q825	23009471	IC, REGULATOR +2.5V 2% R1170H251B-T
⚠ Q826	23009270	IC, PHOTO COUPLER, PS2581L1(D)
Q827	23085064	IC,+1.5V2%REG.SOT-23-5R1121N151B-TR-FA@U902
	23009991	IC,ERRORAMPVS=133.7VTO220ASE133N,LF4@U904
Q828	23085064	IC,+1.5V2%REG.SOT-23-5R1121N151B-TR-FA
Q829	23009471	IC, REGULATOR +2.5V 2% R1170H251B-T
Q831	23009967	IC, +5.0V 2% REG. TO220FP-3 BA50BC0T
Q832	23009971	IC, +9.0V 2% REG. TO220FP-3 BA90BC0T
Q833	23009967	IC, +5.0V 2% REG. TO220FP-3 BA50BC0T
Q834	23009546	IC, REGULATOR +5V 3% NJM2396F05D
Q837	23085026	IC, +3.3V 2% REG. TO252-3 BA33BC0FP-E2
Q838	23009146	IC, REGULATOR +3.3V 2% R1170H331B-T1
Q840	23135038	IC, MIP2900MPSCF
⚠ Q842	23009270	IC, PHOTO COUPLER, PS2581L1(D)
Q880	23114425	TRANSISTOR, 2SA1015-Y(TE
Q901	23205159	TRANSISTOR, 2SC3942
Q902	23205165	TRANSISTOR, 2SC3950E
Q903	23205159	TRANSISTOR, 2SC3942
Q904	23205165	TRANSISTOR, 2SC3950E
Q905	23205159	TRANSISTOR, 2SC3942
Q906	23205165	TRANSISTOR, 2SC3950E
Q907	23114735	TRANSISTOR, 2SA102-Y(C)
Q908	23114429	TRANSISTOR, 2SC2120-Y(TE
Q930	23205158	TRANSISTOR, 2SC3790E
Q931	23205156	TRANSISTOR, 2SA1480E
Q933	23205158	TRANSISTOR, 2SC3790E
Q934	23205156	TRANSISTOR, 2SA1480E
Q936	23205158	TRANSISTOR, 2SC3790E
Q937	23205156	TRANSISTOR, 2SA1480E
Q961	23114433	TRANSISTOR, 2SC1815-Y
Q2104	23205045	TRANSISTOR, 2SA1037AKQ
Q2105	23205045	TRANSISTOR, 2SA1037AKQ
Q2106	23205045	TRANSISTOR, 2SA1037AKQ
Q2107	23205045	TRANSISTOR, 2SA1037AKQ
Q2108	23205045	TRANSISTOR, 2SA1037AKQ
Q2109	23205045	TRANSISTOR, 2SA1037AKQ
Q3950	23314475	TRANSISTOR, 2SC2712-Y
Q4104	23314993	TRANSISTOR, 2SC4081 Q
Q4105	23314993	TRANSISTOR, 2SC4081 Q
Q4107	23314163	TRANSISTOR, 2SA1162-Y
Q4465	23314994	TRANSISTOR, 2SA1576A106
Q5401	23314292	TRANSISTOR, 2SC4116-Y
Q5402	23314289	TRANSISTOR, 2SA1586-Y
Q5403	23314289	TRANSISTOR, 2SA1586-Y
Q5404	23314292	TRANSISTOR, 2SC4116-Y
Q5405	23314289	TRANSISTOR, 2SA1586-Y
Q5406	23314292	TRANSISTOR, 2SC4116-Y
Q5407	23314292	TRANSISTOR, 2SC4116-Y
Q5408	23314292	TRANSISTOR, 2SC4116-Y
QA01	23009431	IC, SDA6001 B12
QA02	23009339	IC, AT24C256N-10SI-2.7

Location No.	Parts No.	Description
QA03	23085055	IC, ROM 1MX16BIT FLASH MX29LV160ABTC-70G
QA04	23085058	IC,4MX163.3VSYNDRAMHY57V641620HGTP-H
QA06	23085156	IC,REGULATOR+3.3V1%SOT-223AIC1117A-33PYJTR
QA07	23085155	IC,REGULATOR+2.5V1%SOT-223AIC1117A-25PYJTR
QA08	23009291	IC, RESET 4.0V SMP5 BD4740G-TR
QA09	23009984	IC, 2CH IIC D/A CONVERTER M62332FP D65J
QA11	23314292	TRANSISTOR, 2SC4116-Y
QA12	23314289	TRANSISTOR, 2SA1586-Y
QA13	23314289	TRANSISTOR, 2SA1586-Y
QA14	23314289	TRANSISTOR, 2SA1586-Y
QA15	23314289	TRANSISTOR, 2SA1586-Y
QA16	23314289	TRANSISTOR, 2SA1586-Y
QA17	23314289	TRANSISTOR, 2SA1586-Y
QA18	23314289	TRANSISTOR, 2SA1586-Y
QA19	23314289	TRANSISTOR, 2SA1586-Y
QA20	23314292	TRANSISTOR, 2SC4116-Y
QA21	23314292	TRANSISTOR, 2SC4116-Y
QA22	23314289	TRANSISTOR, 2SA1586-Y
QA23	23314289	TRANSISTOR, 2SA1586-Y
QA24	23314289	TRANSISTOR, 2SA1586-Y
QA25	23314292	TRANSISTOR, 2SC4116-Y
QA26	23314292	TRANSISTOR, 2SC4116-Y
QA27	23314292	TRANSISTOR, 2SC4116-Y
QA28	23205014	TRANSISTOR, 2SC4667-O
QA29	23205014	TRANSISTOR, 2SC4667-O
QA30	23205140	TRANSISTOR, DTC114EUAT106
QA31	23314289	TRANSISTOR, 2SA1586-Y
QA32	23314289	TRANSISTOR, 2SA1586-Y
QA33	23314292	TRANSISTOR, 2SC4116-Y
QA34	23314289	TRANSISTOR, 2SA1586-Y
QA35	23205099	TRANSISTOR, FET VDSS=60V RK7002
QA36	23205099	TRANSISTOR, FET VDSS=60V RK7002
QA37	23205182	TRANSISTOR, USM R1=2.2K R2=47K RN1305(TE85L)
QA38	23314289	TRANSISTOR, 2SA1586-Y
QA39	23009291	IC, RESET 4.0V SMP5 BD4740G-TR
QA40	23314292	TRANSISTOR, 2SC4116-Y
QA41	23314292	TRANSISTOR, 2SC4116-Y
QA42	23314292	TRANSISTOR, 2SC4116-Y
QB02	23114433	TRANSISTOR, 2SC1815-Y
QS01	23009916	IC, A S/W SSOP-36A MM1631AJBE
QS04	23114493	TRANSISTOR, RN2404
QS05	70114396	TRANSISTOR, 2SC3326B
QS06	70114396	TRANSISTOR, 2SC3326B
QS07	70114396	TRANSISTOR, 2SC3326B
QS08	70114396	TRANSISTOR, 2SC3326B
QS09	23114493	TRANSISTOR, RN2404
QS19	23314993	TRANSISTOR, 2SC4081 Q
QS20	23314993	TRANSISTOR, 2SC4081 Q
QS21	23314993	TRANSISTOR, 2SC4081 Q
QS41	23314993	TRANSISTOR, 2SC4081 Q
QS43	23314993	TRANSISTOR, 2SC4081 Q
QV01	23009952	IC, V-SW SYNC-COUNT QFP80 CXA2189Q
QV10	23205112	TRANSISTOR, 2SA1980UF-Y
QV11	23205112	TRANSISTOR, 2SA1980UF-Y
QV12	23205112	TRANSISTOR, 2SA1980UF-Y
QV13	23205112	TRANSISTOR, 2SA1980UF-Y
QV14	23205112	TRANSISTOR, 2SA1980UF-Y
QV15	23205112	TRANSISTOR, 2SA1980UF-Y
QV48	23114425	TRANSISTOR, 2SA1015-Y
QX100	23009986	IC, 110MHZ 3CH ADC MST9883C-LF-110
QX106	23009094	IC, BD4728G
QX201	23009146	IC, REGULATOR +3.3V 2% R1170H331B-T1
QX300	23085178	IC, HYPER GM6010-LF-BD
QX330	23009146	IC, REGULATOR +3.3V 2% R1170H331B-T1
QX401	23009713	IC, 3CH VIDEO BUFFER SM5301AS-G-ET
QX402	23314289	TRANSISTOR, 2SA1586-Y
QX403	23314289	TRANSISTOR, 2SA1586-Y
QX404	23314289	TRANSISTOR, 2SA1586-Y
QX405	23314289	TRANSISTOR, 2SA1586-Y

Location No.	Parts No.	Description
QX406	23314289	TRANSISTOR, 2SA1586-Y
QX470	23085109	IC, CMOS QUAD OR GATE TSSOP14 TC74VHCT32AFT(EL)
QX501	23085040	IC,REGULATOR+2.5V1%SSOP5BH25FB1WG-TR
QX511	23314289	TRANSISTOR, 2SA1586-Y
QX521	23314289	TRANSISTOR, 2SA1586-Y
QX531	23314289	TRANSISTOR, 2SA1586-Y
QX552	23314289	TRANSISTOR, 2SA1586-Y
QX562	23314289	TRANSISTOR, 2SA1586-Y
QX572	23314289	TRANSISTOR, 2SA1586-Y
QX573	23314289	TRANSISTOR, 2SA1586-Y
QX574	23314289	TRANSISTOR, 2SA1586-Y
QX575	23314289	TRANSISTOR, 2SA1586-Y
QX576	23314289	TRANSISTOR, 2SA1586-Y
QX901	23000803	IC, UPC2925T
QX903	23009839	IC, REGULATOR
QX905	23009839	IC, REGULATOR
QY01	23085063	IC, 3L-COMB MCD LQFP 100PIN TC90101FG(BS,DRY)
QY10	23314994	TRANSISTOR, 2SA1576A106
QY160	23314993	TRANSISTOR, 2SC4081 Q
QY170	23314993	TRANSISTOR, 2SC4081 Q
QY401	23314292	TRANSISTOR, 2SC4116-Y
QY402	23314292	TRANSISTOR, 2SC4116-Y
QY403	23314292	TRANSISTOR, 2SC4116-Y
QY404	23314289	TRANSISTOR, 2SA1586-Y
QY405	23314292	TRANSISTOR, 2SC4116-Y
QY406	23314292	TRANSISTOR, 2SC4116-Y
QY407	23314289	TRANSISTOR, 2SA1586-Y
QY408	23314292	TRANSISTOR, 2SC4116-Y
QY409	23314292	TRANSISTOR, 2SC4116-Y
QY410	23314292	TRANSISTOR, 2SC4116-Y
QY412	23314289	TRANSISTOR, 2SA1586-Y
QY415	23314289	TRANSISTOR, 2SA1586-Y
QY418	23314289	TRANSISTOR, 2SA1586-Y
QZ01	23085002	IC, 3D Y/C SPRITTER UPD64084GC
QZ02	23314289	TRANSISTOR, 2SA1586-Y
QZ03	23314292	TRANSISTOR, 2SC4116-Y
QZ04	23314289	TRANSISTOR, 2SA1586-Y
QZ05	23314292	TRANSISTOR, 2SC4116-Y
QZ06	23314292	TRANSISTOR, 2SC4116-Y
QZ11	23114501	TRANSISTOR, RN1402
QZ13	23314292	TRANSISTOR, 2SC4116-Y
QZ14	23314292	TRANSISTOR, 2SC4116-Y
QZ15	23314292	TRANSISTOR, 2SC4116-Y
QZ17	23314292	TRANSISTOR, 2SC4116-Y
QZ18	23314289	TRANSISTOR, 2SA1586-Y
QZ20	23314292	TRANSISTOR, 2SC4116-Y
QZ21	23314289	TRANSISTOR, 2SA1586-Y
QZ22	23314292	TRANSISTOR, 2SC4116-Y
QZ23	23314289	TRANSISTOR, 2SA1586-Y
D101	23316755	DIODE, ZENER, MTZJ33C
D301	23357366	DIODE, FR105-B5
D302	23357366	DIODE, FR105-B5
D303	23357366	DIODE, FR105-B5
D312	23118041	DIODE, MA111
D318	23118859	DIODE, 1SS133
D321	23316753	DIODE, ZENER, MTZJ33A
D327	23316715	DIODE, ZENER, MTZJ11A
D330	23357457	DIODE, TVS VRWM=64V VBR=74.85V SA64ALF
D341	23118041	DIODE, MA111
D372	23118859	DIODE, 1SS133
D373	23118859	DIODE, 1SS133
D374	23316716	DIODE, ZENER, MTZJ11B
D406	23357366	DIODE, FR105-B5
D412	23357366	DIODE, FR105-B5
D414	23357366	DIODE, FR105-B5
D415	23357366	DIODE, FR105-B5
D419	23316716	DIODE, ZENER, MTZJ11B
D420	23316675	DIODE, ZENER, MTZJ6.2B
D431	23316691	DIODE, ZENER, MTZJ10C

Location No.	Parts No.	Description
D439	23316591	DIODE, ZENER, MA8100-M
D462	23316725	DIODE, ZENER, MTZJ15B
D465	23357366	DIODE, FR105-B5
D469	23118859	DIODE, 1SS133
D470	23316758	DIODE, ZENER, MTZJ36B
D471	23357366	DIODE, FR105-B5
D475	23316720	DIODE, ZENER, MTZJ12C
D476	23118859	DIODE, 1SS133
D481	23118859	DIODE, 1SS133
D485	23316688	DIODE, ZENER, MTZJ9.1C
D486	23118859	DIODE, 1SS133
D490	23118859	DIODE, 1SS133
D502	23118041	DIODE, MA111
D505	23118041	DIODE, MA111
D520	23316533	DIODE, ZENER 2.50-2.75 MA8027-L, TX
D533	23316592	DIODE, ZENER 10.07-10.59 MA8100-H, TX
D540	23316592	DIODE, ZENER 10.07-10.59 MA8100-H, TX
D601	23316740	DIODE, ZENER, MTZ J 22D
D612	23118041	DIODE, MA111
D613	23118041	DIODE, MA111
D614	23118041	DIODE, MA111
D615	23118041	DIODE, MA111
D616	23118859	DIODE, 1SS133
D630	23316591	DIODE, ZENER, MA8100-M
D631	23118041	DIODE, MA111
D632	23118041	DIODE, MA111
D633	23118041	DIODE, MA111
D634	23118041	DIODE, MA111
D660	23118041	DIODE, MA111
D662	23118041	DIODE, MA111
D663	23118041	DIODE, MA111
D664	23118041	DIODE, MA111
D670	23118041	DIODE, MA111
D671	23118041	DIODE, MA111
D672	23118041	DIODE, MA111
D673	23118041	DIODE, MA111
D674	23118041	DIODE, MA111
D675	23118041	DIODE, MA111
D698	23118041	DIODE, MA111
D704	23118859	DIODE, 1SS133
D705	23118859	DIODE, 1SS133
D715	23118859	DIODE, 1SS133
D721	23118859	DIODE, 1SS133
D801A	23476068	HEAT SINK, ASSEM D801
D803	23316746	DIODE, ZENER, MTZJ27B
D805	23357012	DIODE, 1SS244
D806	23357366	DIODE, FR105-B5
D807	23316678	DIODE, ZENER, MTZJ6.8B
D808	23316746	DIODE, ZENER, MTZJ27B
D811	23118859	DIODE, 1SS133
D815	23316754	DIODE, ZENER, MTZJ33B
D817	23357012	DIODE, 1SS244
D821	23118859	DIODE, 1SS133
D828	23118859	DIODE, 1SS133
D840	23357207	DIODE, LN1WBA60
D841	23316673	DIODE, ZENER, MTZJ5.6C
D842	23316665	DIODE, ZENER, MTZJ4.7A
D843	23118094	DIODE, EU2A
D845	23118859	DIODE, 1SS133
D846	23118633	DIODE, ZENER, RD3.0ES B2
D847	23118633	DIODE, ZENER, RD3.0ES B2
D848	23316689	DIODE, ZENER, MTZJ10A
D849	23316689	DIODE, ZENER, MTZJ10A
D854	23118859	DIODE, 1SS133
D896	23118052	DIODE, RU4Z LF-L1
D899	24000656	VARISTOR, TNR15G471K
D901	23118859	DIODE, 1SS133
D904	23118859	DIODE, 1SS133
D905	23118859	DIODE, 1SS133

Location No.	Parts No.	Description
D906	23118859	DIODE, 1SS133
D907	23357341	DIODE, 1SS133
D908	23357341	DIODE, 1SS133
D909	23357341	DIODE, 1SS133
D911	23115337	DIODE, 1S1834
D916	23357012	DIODE, 1SS244
D917	23357012	DIODE, 1SS244
D918	23357012	DIODE, 1SS244
D919	23357012	DIODE, 1SS244
D921	23115337	DIODE, 1S1834
D926	23357012	DIODE, 1SS244
D927	23357012	DIODE, 1SS244
D928	23357012	DIODE, 1SS244
D929	23357012	DIODE, 1SS244
D949	23357012	DIODE, 1SS244
D950	23357012	DIODE, 1SS244
D951	23357012	DIODE, 1SS244
D952	23357012	DIODE, 1SS244
D4100	23118631	RD3.3ESA B2
D4401	23316594	DIODE, ZENER, MA8110-M
D4413	23316537	DIODE, ZENER 2.95-3.20 MA8030-H, TX
D4605	23316591	DIODE, ZENER, MA8100-M
D4703	23118041	DIODE, MA111
DA01	23316573	DIODE, ZENER, MA8062-L
DA02	23316573	DIODE, ZENER, MA8062-L
DA03	23316573	DIODE, ZENER, MA8062-L
DA04	23316573	DIODE, ZENER, MA8062-L
DA05	23316573	DIODE, ZENER, MA8062-L
DB01	23358564	DIODE, LED, SLR-56VC3FPQ
DB02	23358563	DIODE, LED, SLR-56MC3FPQR
DB03	23316672	DIODE, ZENER, MTZJ5.6B
DB04	23316792	DIODE, SC215
DB05	23118859	DIODE, 1SS133
DB06	23118859	DIODE, 1SS133
DB31	23118859	DIODE, 1SS133
DV03	23316571	DIODE, ZENER, MA8056-M
MISCELLANEOUS		
B001	23448704	CASE, MOD HS-A ECO T0.6 B040001
B102	23974994	BAND, KESSOKU
B213	23845856	WIRE CLAMP, POF COAT) L=70MM
B252	23845554	WIRE CLIP
BB01B	23713491	SOCKET, 127301109K2 127301109K2
BB03A	23713201	CONNECTOR, PLUG B-B 16P
BB03B	23713202	CONNECTOR, SOCKET B-B 16P
BB04A	23713201	CONNECTOR, PLUG B-B 16P
BB04B	23713202	CONNECTOR, SOCKET B-B 16P
BB05A	23713201	CONNECTOR, PLUG B-B 16P
BB05B	23713202	CONNECTOR, SOCKET B-B 16P
BB06A	23713201	CONNECTOR, PLUG B-B 16P
BB06B	23713202	CONNECTOR, SOCKET B-B 16P
BB07A	23713201	CONNECTOR, PLUG B-B 16P @U903
	23713201	CONNECTOR, PLUG B-B 16P @U905A
BB07B	23713202	CONNECTOR, SOCKET B-B 16P @U904
	23713202	CONNECTOR, SOCKET B-B 16P @U902
BB08A	23713201	CONNECTOR, PLUG B-B 16P
BB08B	23713202	CONNECTOR, SOCKET B-B 16P
BB09	23903022	CONNECTOR, BASE B-B 8P 2.5 JST
BB09B	23713491	SOCKET, 127301109K2 127301109K2
BM01	23148115	MODULE, BRIDGE MEDIA
D801B	72471082	SCREW,3X10MM
D883B	70391355	SCREW,BINDHEADTAP-TITEB,BITTB3X8SZN
D891B	70391355	SCREW,BINDHEADTAP-TITEB,BITTB3X8SZN
D892B	70391355	SCREW,BINDHEADTAP-TITEB,BITTB3X8SZN
E907	23198692	WIRE, CRT EARTH 36ZP50
E912	23528016	RUBBER,WEDGE,MEDIUMW10H15L50,TRWMED01T
E920	23845564	CLAMPER
E940	23965900	TAPE,GLASS-CLOTH,W/ADHESIVEW=18T=0.18
E947	23965900	TAPE,GLASS-CLOTH,W/ADHESIVEW=18T=0.18

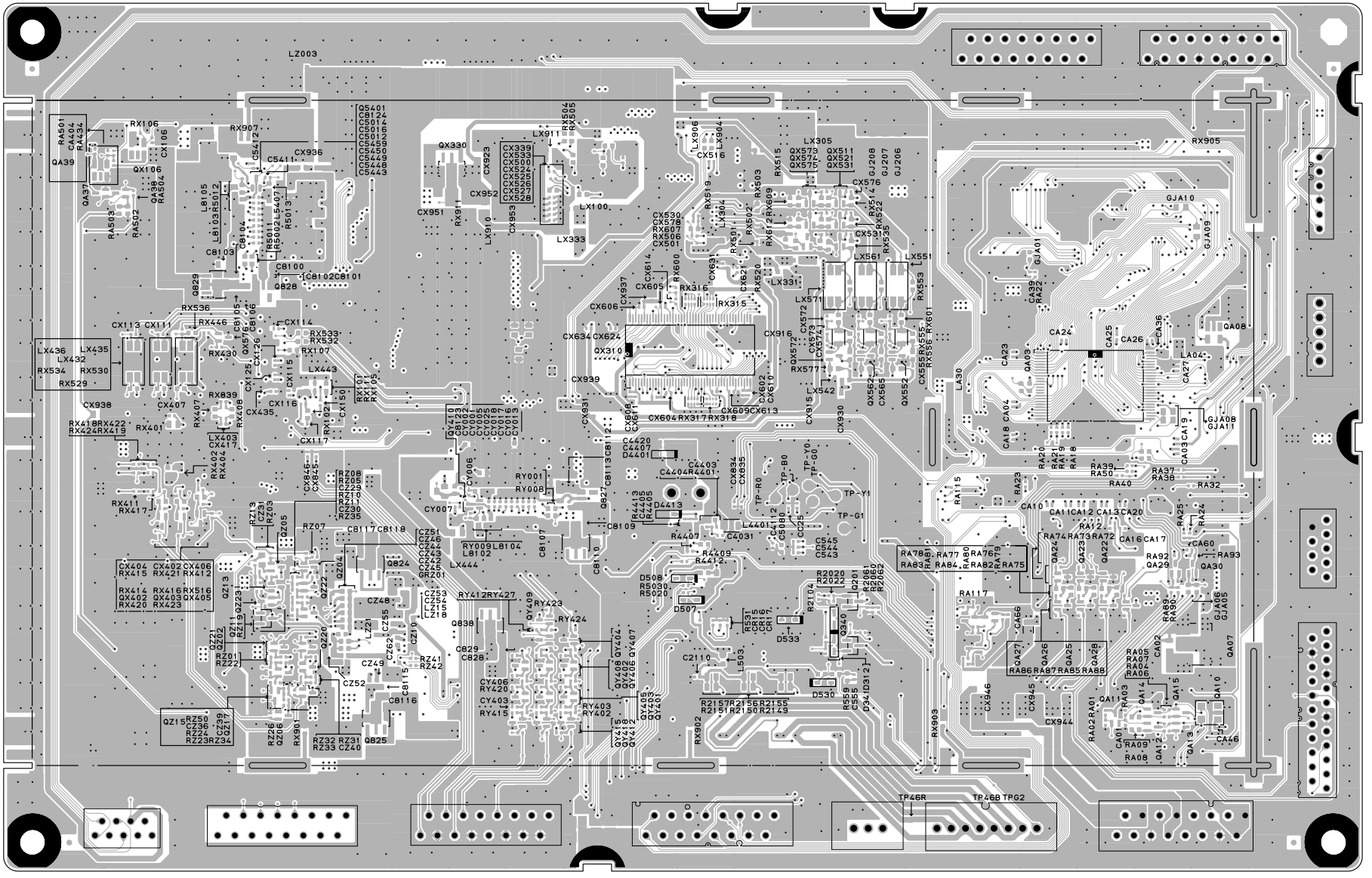
Location No.	Parts No.	Description
⚠ F470	23144724	FUSE, CARTRIDGE 5.2X20 250V 1.25A
F470A	23165433	FUSE HOLDER, 5.2 SOC
F470B	23165433	FUSE HOLDER, 5.2 SOC
⚠ F801	23144720	FUSE, CARTRIDGE 5.2X20, 250V 5.0A
F801A	23165433	FUSE HOLDER, 5.2 SOC
F801B	23165433	FUSE HOLDER, 5.2 SOC
⚠ F802	23144508	FUSE, CARTRIDGE 5.2X20, 250V 4.0A
F802A	23165433	FUSE HOLDER, 5.2 SOC
F802B	23165433	FUSE HOLDER, 5.2 SOC
⚠ F803	23144647	FUSE, CARTRIDGE 5X20 250V 1.0A
F803A	23165433	FUSE HOLDER, 5.2 SOC
F803B	23165433	FUSE HOLDER, 5.2 SOC
G301	23103894	FILTER, FERRITE BEAD, TEM2011AW
G380	24946226	CARBON CONPOSITI0N, 1/2W 22M OHM K
G400	24946561	CARBON COMPOSITION, 1/2W 560 OHM K
G403	24946223	CARBON COMPOSITION GF 1/2W 22K K
G404	23103894	FILTER, FERRITE BEAD, TEM2011AW
G410	23316731	DIODE, ZENER, MTZJ18B
G416	24382820	OXIDE METAL FILM, 1W 82 OHM J
G499	24503361	PLASTIC FILM CQ921 M 100V 1200PF J
G812	23103894	FILTER, FERRITE BEAD, TEM2011AW
G891	23248297	COIL, CHOKE, TLN3481GH
G908	24366560	CARBON FILM, 1/6W 56 OHM J
G914	23357341	DIODE, 1SS133
G915	23357341	DIODE, 1SS133
G923	24366560	CARBON FILM, 1/6W 56 OHM J
G924	23357341	DIODE, 1SS133
G925	23357341	DIODE, 1SS133
G941	24366560	CARBON FILM, 1/6W 56 OHM J
G947	23357341	DIODE, 1SS133
G948	23357341	DIODE, 1SS133
G951	24366102	CARBON FILM, 1/6W 1K OHM J
G966	24366102	CARBON FILM, 1/6W 1K OHM J
G9880	24366102	CARBON FILM, 1/6W 1K OHM J
GJ38	24000445	CHIP JUMPER, 1608TYPE
GJ39	24000445	CHIP JUMPER, 1608TYPE
GJ110	24000445	CHIP JUMPER, 1608TYPE
GJ440	24000445	CHIP JUMPER, 1608TYPE
GJA01	24000445	CHIP JUMPER, 1608TYPE
GJA03	24000445	CHIP JUMPER, 1608TYPE
GJA05	24000445	CHIP JUMPER, 1608TYPE
GJA07	24000445	CHIP JUMPER, 1608TYPE
GJA09	24000445	CHIP JUMPER, 1608TYPE
GJA11	24000824	CHIP JUMPER, 2125TYPE
GR90	24011474	CHIP, METAL FILM, 1/20W 470K OHM J
GR102	24000445	CHIP JUMPER, 1608TYPE
GR103	24000445	CHIP JUMPER, 1608TYPE
GR611	24000445	CHIP JUMPER, 1608TYPE
GR650	24000445	CHIP JUMPER, 1608TYPE
GR652	24000445	CHIP JUMPER, 1608TYPE
GR800	24000445	CHIP JUMPER, 1608TYPE
GRS01	24000445	CHIP JUMPER, 1608TYPE
GRS02	24000445	CHIP JUMPER, 1608TYPE
GRS06	24000445	CHIP JUMPER, 1608TYPE
GRZ01	24000445	CHIP JUMPER, 1608TYPE
H002	23148046	IF MODULE, ASIA WOW MSP3410G MVCS52
HY01A	23502328	PHONO PLUG CABLE 2C-2V
J299A	23960136	ADHESIVE, SILICONE, TSE3843-W
J698A	23960136	ADHESIVE, SILICONE, TSE3843-W
J699A	23960136	ADHESIVE, SILICONE, TSE3843-W
J699B	23960136	ADHESIVE, SILICONE, TSE3843-W
⚠ M461A	23192952	ANODE CAP ASSY, TCC5600DD
⚠ M461B	23505089	CABLE, FOCUS
M461C	23505090	CABLE, FOCUS
M461D	23509372	CABLE ASSY, SCREEN
N403	23960136	ADHESIVE, SILICONE, TSE3843-W
P018A	23368577	CONNECTOR,PLUG,3P2.5MMGJST-EH,B3B-EH-F1-TV4
P018B	23368577	CONNECTOR,PLUG,3P2.5MMGJST-EH,B3B-EH-F1-TV4
P602	23368578	CONNECTOR,PLUG4P,2.5MMGJST-EH,B4B-EH-F1-TV4

Location No.	Parts No.	Description
P603	23368577	CONNECTOR,PLUG,3P2.5MMGJST-EH,B3B-EH-F1-TV4
P661	23365444	EARPHONE JACK, D3.5 HOSIDEN
P701A	23368578	CONNECTOR,PLUG4P,2.5MMGJST-EH,B4B-EH-F1-TV4
P701B	23368578	CONNECTOR,PLUG4P,2.5MMGJST-EH,B4B-EH-F1-TV4
P703A	23368577	CONNECTOR,PLUG,3P2.5MMGJST-EH,B3B-EH-F1-TV4
P703B	23368577	CONNECTOR,PLUG,3P2.5MMGJST-EH,B3B-EH-F1-TV4
P800	23368013	CONNECTOR, PLUG, 2P 11.88MM W VT-JST
⚠ P801	23372246	POWER CORD, SAA AC250V 7.5A
P902A	23367068	CONNECTOR,PLUG8P,2.5MMGJST-EHB8B-EH-F1-TV4
P902B	23367068	CONNECTOR,PLUG8P,2.5MMGJST-EHB8B-EH-F1-TV4
P903A	23367069	CONNECTOR,PLUG,NP2.5MMGJST-EH,B9B-EH-F1A
P903B	23367069	CONNECTOR,PLUG,NP2.5MMGJST-EH,B9B-EH-F1A
P910	23164725	CONNECTOR, PLUG 2P
PA02	23368580	CONNECTOR,PLUG6P,2.5MMGJST-EHB6B-EH-F1-TV4
PB01A	23368580	CONNECTOR,PLUG6P,2.5MMGJST-EHB6B-EH-F1-TV4
PB14	23368579	CONNECTOR,PLUG5P,2.5MMGJST-EH,B5B-EH-F1-TV4
PJ901	23368577	CONNECTOR,PLUG,3P2.5MMGJST-EH,B3B-EH-F1-TV4
PM01	23368578	CONNECTOR,PLUG4P,2.5MMGJST-EH,B4B-EH-F1-TV4
PM02	23367071	CONNECTOR,PLUG,NP2.5MMGJST-EH,B11B-EH-F1A
PV01	23023092	JACK, PIN 1S6P SMK LAP5120-0204F
PV02	23023096	JACK, PIN 10P SMK LAP5120-0401FC
PV05	23023229	JACK, PIN 7P SMK LAP5120-0421F
PV202	23902967	CONNECTOR, 15P DSUB JST KES-15S-2A3F
PV22B	23367069	CONNECTOR,PLUG,NP2.5MMGJST-EH,B9B-EH-F1A
Q801B	72471082	SCREW,3X10MM
SA01	23145430	SWITCH, PUSH, SKHHLMA010
SA02	23145430	SWITCH, PUSH, SKHHLMA010
SA03	23145430	SWITCH, PUSH, SKHHLMA010
SA04	23145430	SWITCH, PUSH, SKHHLMA010
SA05	23145430	SWITCH, PUSH, SKHHLMA010
SA06	23145430	SWITCH, PUSH, SKHHLMA010
⚠ SR81	23146574	RELAY, DLS5D1-O(M) 0.15W
SR82	23146564	RELAY, DC12V, TV5, DG-3
⚠ SR83	23146571	RELAY, DG12D2-0(M), DAIGAE, 23146570 OMR
V901B	23102508	MAGNET,RUBBERMAGNETCHEVRON,MAG4009
W661	23351241	SPEAKER,60X1208-OHM10WBUSHSPK-1454AM
W662	23351241	SPEAKER,60X1208-OHM10WBUSHSPK-1454AM
W663	23351194	SPEAKER, SPK1392BO
X4100	23153742	CRYSTAL
X4402	23153721	CERAMIC RESONATOR, 503KHZ
X500	23153585	CRYSTALRESONATOR,AT51-CD214.31818MHZTAPE
X5501	23153584	CRYSTALRESONATOR,AT51-CD242.000MHZTAPE
XA01	23153597	CRYSTALRESONATOR,6.000MHZEXS00A-01343
XY001	23153584	CRYSTALRESONATOR,AT51-CD242.000MHZTAPE
XZ01	23153598	CRYSTALRESONATOR,20.000MHZEXS00A-01342
Z301	23110854	FOCUS BLOCK, TPA6033CH
Z401	23140203	SPARKGAP,2.0-3.0KVC-010,AG20PC152F-L3N
Z801	23103778	FERRITE CORE, TFE1008
Z889	23144715	FUSE, AXIAL 125V 5.0A
Z890	23144715	FUSE, AXIAL 125V 5.0A
Z891	23144715	FUSE, AXIAL 125V 5.0A
ZA01	24019509	NETWORK SMD 1/32W P-8 33 J
ZA02	24019509	NETWORK SMD 1/32W P-8 33 J
ZA03	24019509	NETWORK SMD 1/32W P-8 33 J
ZA04	24019509	NETWORK SMD 1/32W P-8 33 J
ZA05	24019509	NETWORK SMD 1/32W P-8 33 J
ZA06	24019509	NETWORK SMD 1/32W P-8 33 J
ZA07	24019509	NETWORK SMD 1/32W P-8 33 J
ZA08	24019509	NETWORK SMD 1/32W P-8 33 J
ZA09	24019509	NETWORK SMD 1/32W P-8 33 J
ZA10	24019509	NETWORK SMD 1/32W P-8 33 J
ZA11	24019509	NETWORK SMD 1/32W P-8 33 J
ZA12	24019509	NETWORK SMD 1/32W P-8 33 J
ZA13	24019509	NETWORK SMD 1/32W P-8 33 J
ZA14	24019509	NETWORK SMD 1/32W P-8 33 J
ZA15	24019509	NETWORK SMD 1/32W P-8 33 J
ZA16	24019509	NETWORK SMD 1/32W P-8 33 J

Location No.	Parts No.	Description
PC BOARD ASSEMBLIES		
✻ U901A	23762506	PW UNIT CRT-D 36JW9UA, PD1845B1
✻ U902	23762410	PC BOARD ASSY, PW UNIT HS-D PD1842A
✻ U903	23762507	PW UNIT AV-TERMIN 36JW9UA, PD1846B
✻ U903B	23762508	PW UNIT POW-2 36JW9UA, PD1845B2
✻ U904	23762512	PW UNIT POW/DEF 36JW9UA, PD1847B
✻ U905A	23762509	PW UNIT CONTROL 36JW9UA, PD1848B1
✻ U905B	23762510	PW UNIT LED/RMT 36JW9UA, PD1848B2
✻ U905C	23762511	PW UNIT PC IN 36JW9UA, PD1848B3
PICTURE TUBE		
⚠ V901	23324137	PICTURETUBE,36PFWDSUPSOUTHW86LXK004X
⚠ V901A	23903145	SOCKET,CRT,WFOCUSISD35SEINCHANGISD-35S-E
TUNER		
H001	23321415	TUNER, ASIA HYPER FS DEV, TEDE9-710A
HY01	23321498	TUNER, TIF ASIA IIC PH 5V ENG39A06GF
ACCESSORIES		
A701A	23067815	CARTON, TOP CASE 36JW9UA
A701B	23067766	CARTON, BOTTOM CASE
A702A	23946800	PACKING, TOP PACKING
A702B	23946801	PACKING, BOTTOM PACKING
A703	23531052	PACKING, HOGO SHEET 36ZP55
A704	23943618	BAG, POLYETHYLENE
A705	23531053	PACKING, SHEET, 34AF6C
K902	23306552	REMOCON HAND UNIT IR, CTV CT-90208
Y101	23566421	OWNERS MANUAL, ENGL CTV O/M 36JW9UA
CABINET PARTS		
A201	23532954	COVER, FRONT COVER 36JW9UA
A302	23538478	MARK, TOSHIBA MARK W=56
A303	23929741	PIECE, HOLDER BUTTON
⚠ A401	23532955	COVER, BACK COVER 36JW9UA
A422	23929458	PIECE, WASHER T=1.5 ZP50
A422A	23929459	PIECE, WASHER T=2.0 ZP50
A422B	23929457	PIECE, WASHER T=1.0 ZP50
A422C	23929456	PIECE, WASHER T=0.5 ZP50
A434	23845856	WIRE CLAMP, POF COAT) L=70MM
A902	23428328	DOOR, DOOR 36JW9UAE
A903	23451976	PUSH CATCH, CLICK
A904	23445854	BUTTON, BUTTON POWER FACE
A904B	23445721	BUTTON, BUTTON POWER REAR
A920	23428311	DOOR, DOOR PROPER

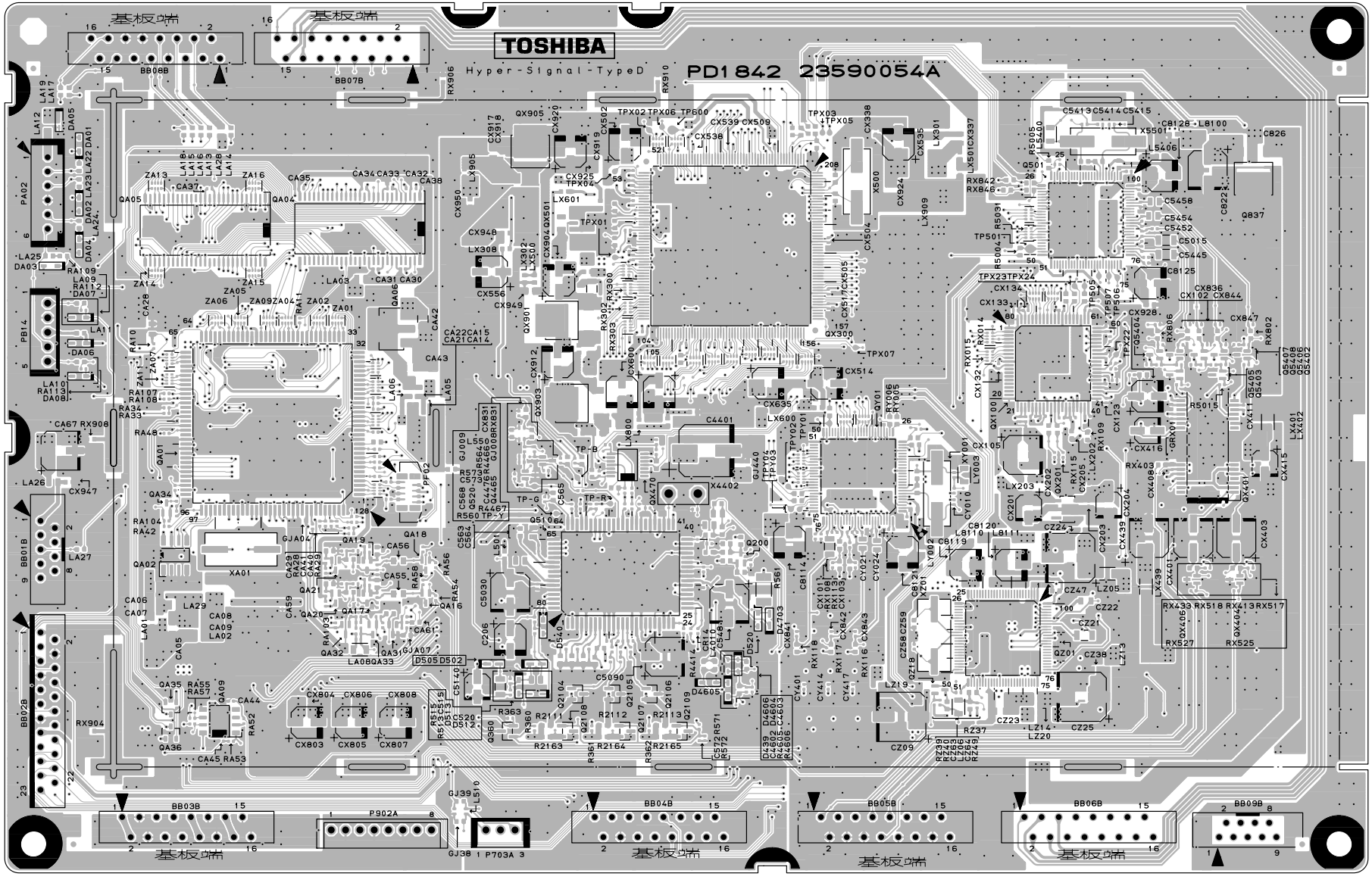
HS-D BOARD PD1842A (U902)

BOTTOM (FOIL) SIDE



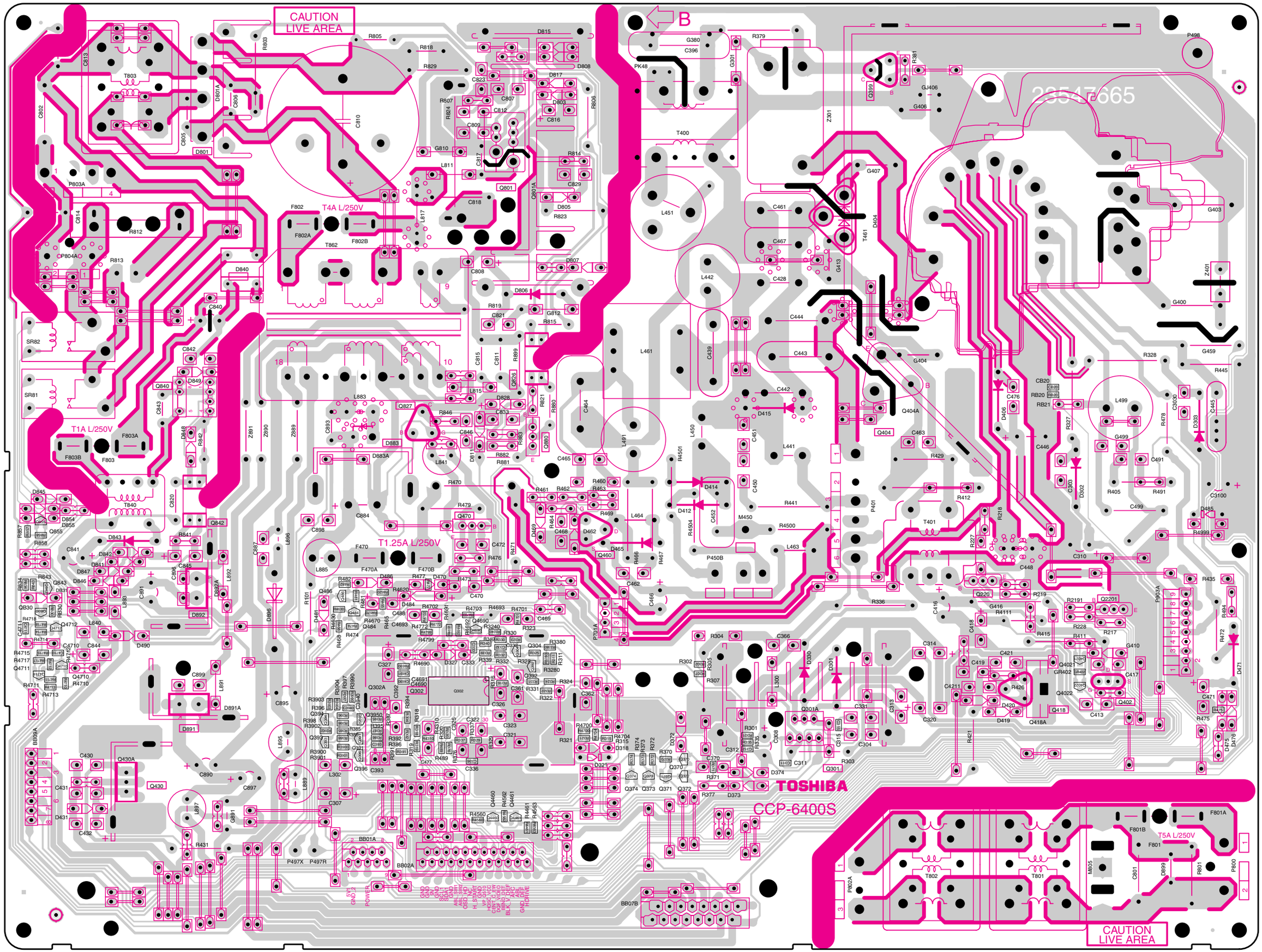
HS-D BOARD PD1842A (U902)

TOP (COMPONENT) SIDE



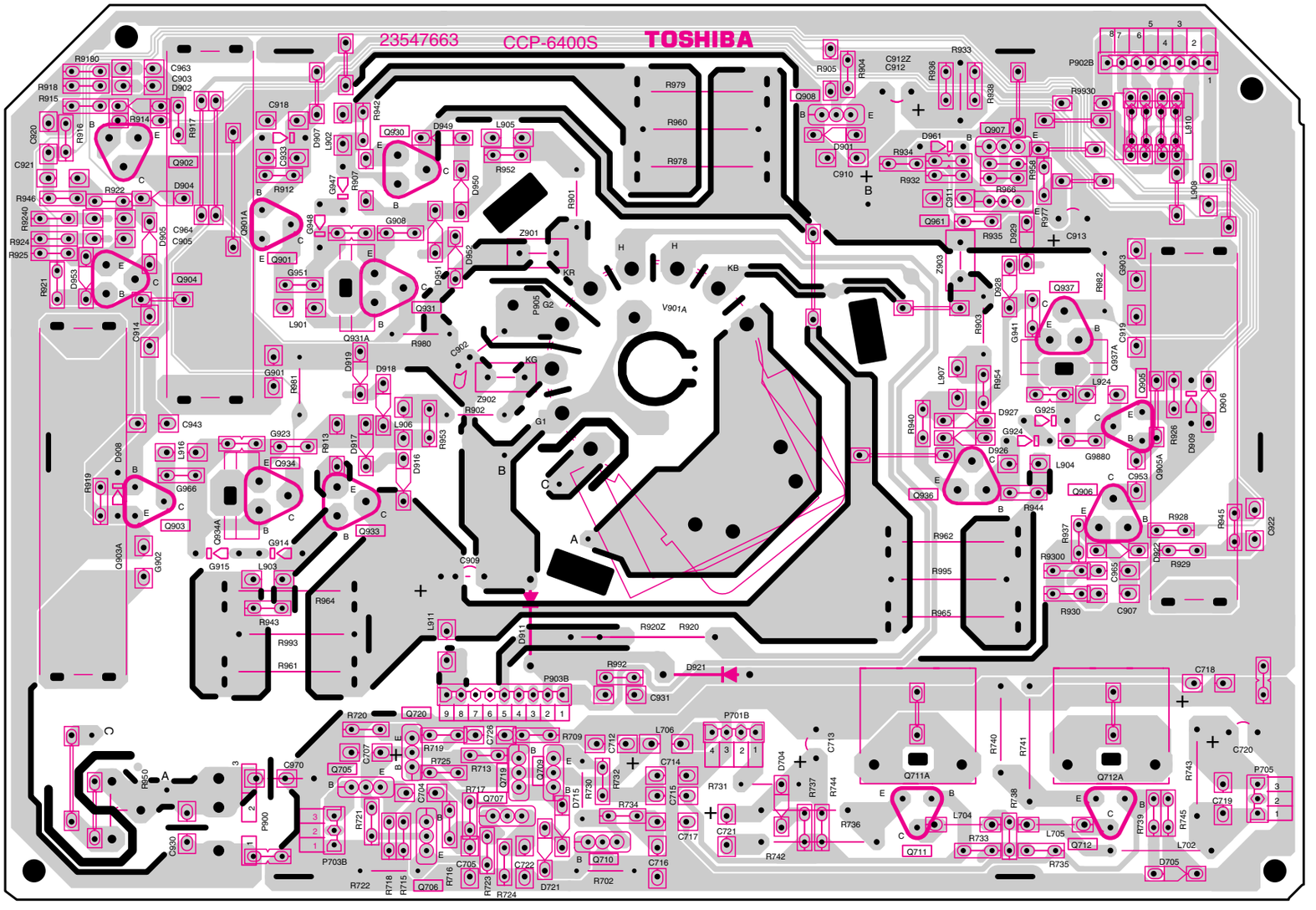
POW/DEF BOARD PD1847B (U904)

BOTTOM (FOIL) SIDE



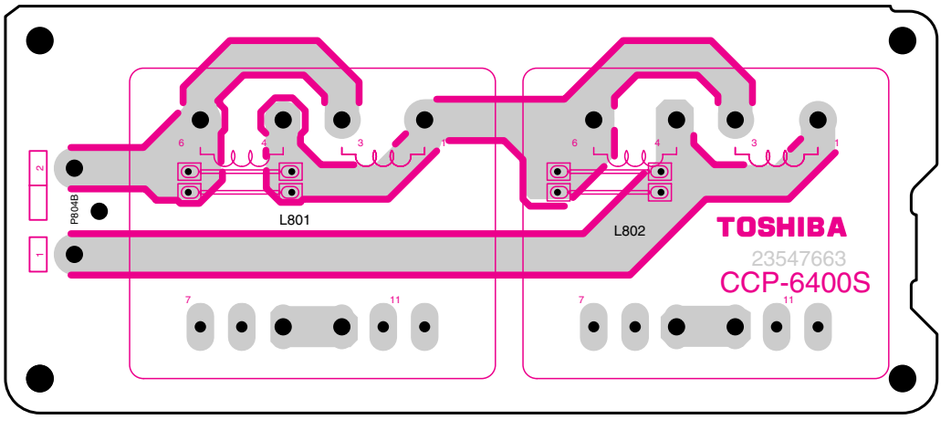
CRT-D BOARD PD1845B1 (U901A)

BOTTOM (FOIL) SIDE



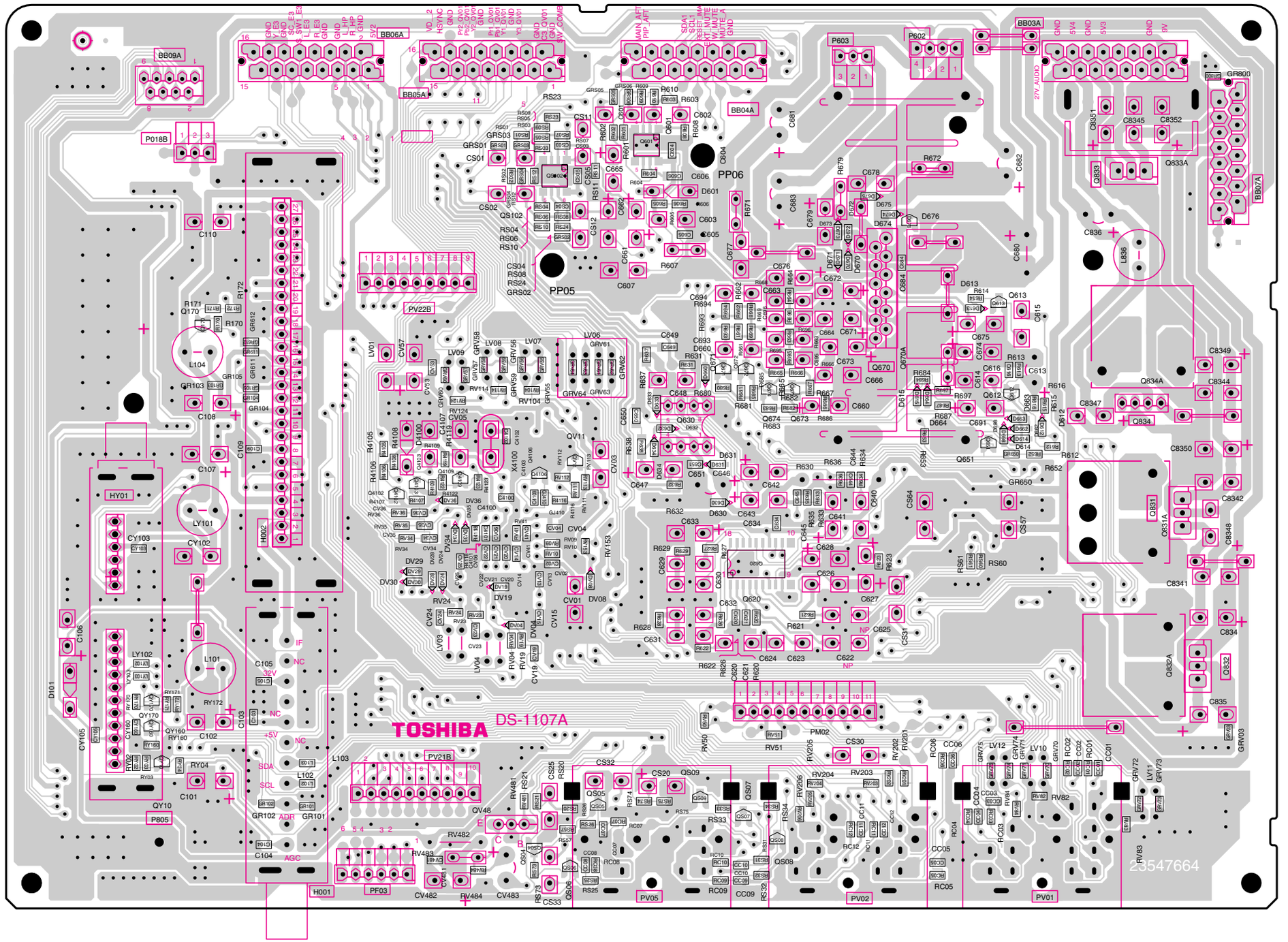
POW-2 BOARD PD1845B2 (U903B2)

BOTTOM (FOIL) SIDE



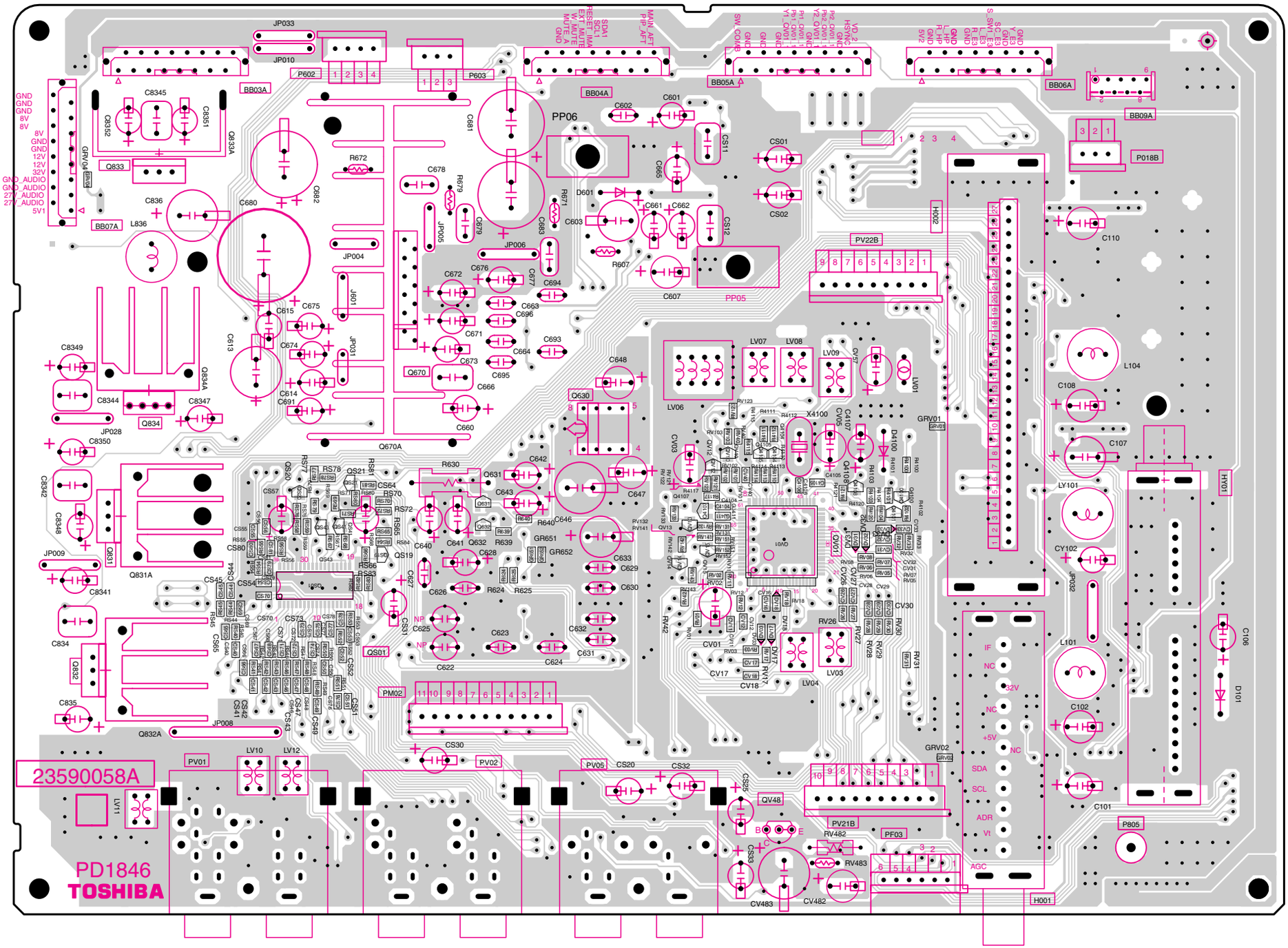
AV-TERM BOARD PD1846B (U903)

BOTTOM (FOIL) SIDE



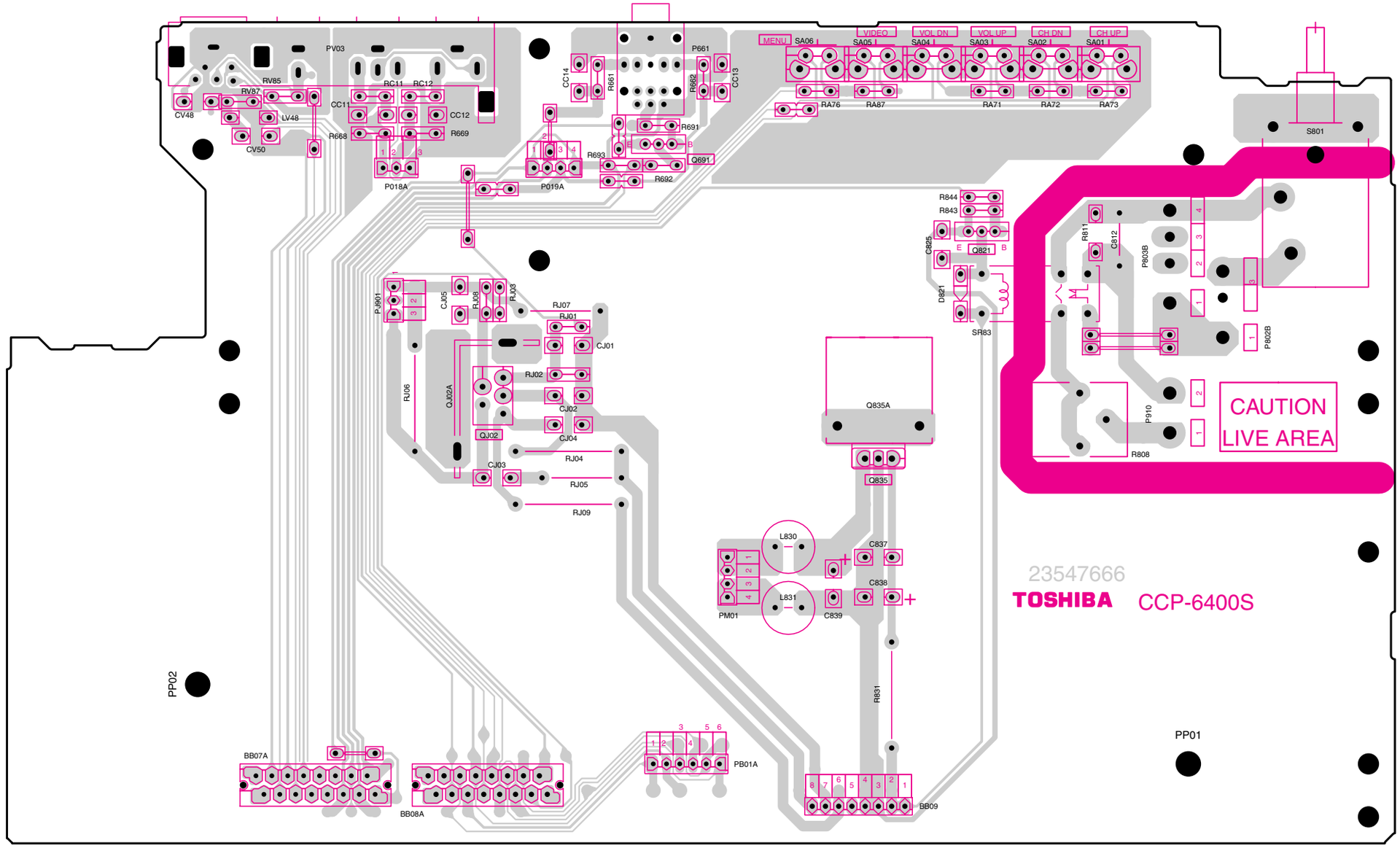
AV-TERM BOARD PD1846B (U903)

TOP (COMPONENT) SIDE



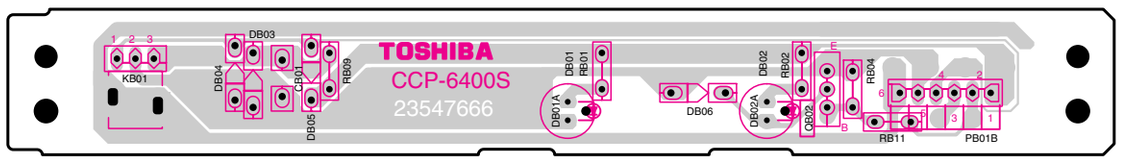
CONTROL BOARD PD1848B1 (U905A)

BOTTOM (FOIL) SIDE



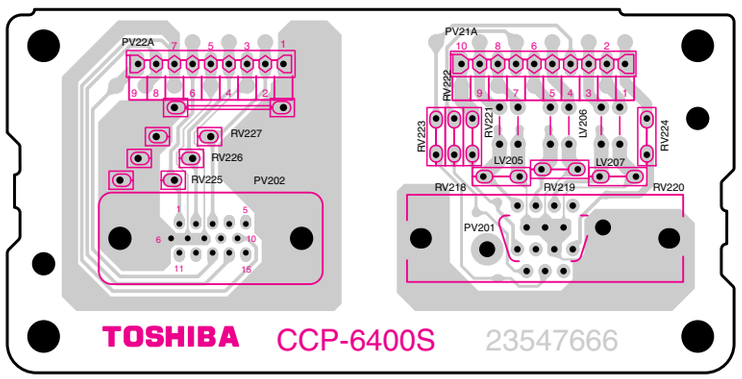
LED/RMT BOARD PD1848B2 (U905B)

BOTTOM (FOIL) SIDE



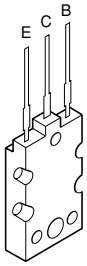
PC IN BOARD PD1848B3 (U905C)

BOTTOM (FOIL) SIDE

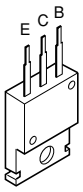


TERMINAL VIEW OF TRANSISTORS

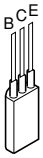
① 2SD2253
(old)
2SC5243
2SC5570



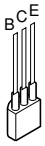
② 2SC3852
2SD1763A
2SC1569
2SC4544
2SA1788
2SA1306
2SA1186A



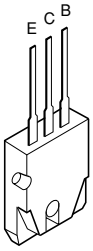
③ 2SC752GTM
2SC2482
2SC2655
2SC4721P



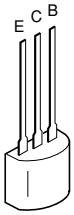
④ 2SC752
2SA562TM
2SA1015
2SC1815
2SC2878
2SC1740S
2SC2120
2SA9335



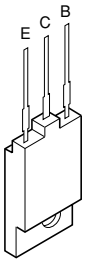
⑤ 2SA1788



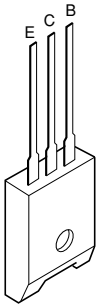
⑥ RN2203
RN2201
RN2004
RN1203
RN1204
RN2204
RN1205
RN1202
RN1201



⑦ 2SD1554
2SD2253
2SD1556
2SC5143
2SD2553



⑧ ON4409



SCHEMATIC DIAGRAM

MODEL : 36JW9UA

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON THE MANUAL FOR THIS MODEL.

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the PRODUCT SAFETY NOTICE on the MANUAL for this model. Do not degrade the safety of the receiver through improper servicing.

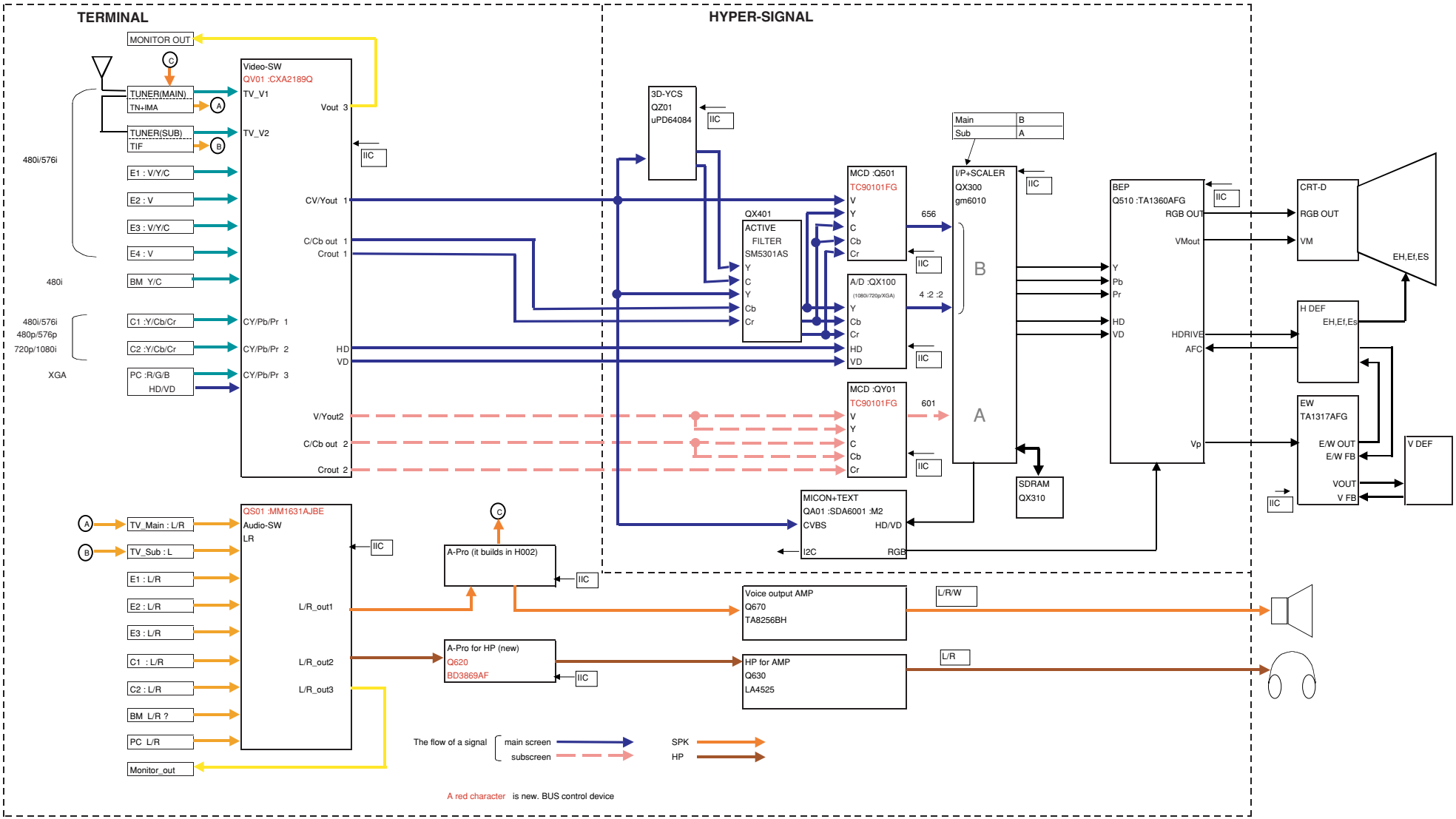
NOTE:

1. RESISTOR Resistance is shown in ohm [K = 1.000, M = 1.000.000]. All resistors are 1/6W and 5% tolerance carbon resistor, unless otherwise noted as the following marks.
   1/2R = Metal or Metal oxide of 1/2 watt 1/2S = Carbon compsistion of 1/2 watt
   1RF = Fuse resistor of 1 watt 10W = Cement of 10 watt
   K = ±10% G = ±2% F = ±1%
2. CAPACITOR Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in μF, and the values more than 1 in pF.
   All capacitors are ceramic 50V, unless otherwise noted as the following marks.
   —|+|— Electolytic capacitor —|M|— Mylar capacitor
3. The parts indicated with " ⚠ " have special characteristics, and should be replaced with identical parts only.
4. Voltages read with DIGITAL MULTI-METER from point indicated to chassing ground, using a color bar signal with all controls at normal, line voltage 220 volts.
5. Waveforms are taken receiving color bar signal with enough sensitivity.
6. Voltage reading shown are nominal values and may vary ±20% except H.V.

■ **SCHEMATIC DIAGRAM STRUCTURE:**

- HYPER SIGNAL
  - BEP
    - (1/3) [SHEET-1/3] 1/55
    - (2/3) [SHEET-2/3] 2/55
    - (3/3) [SHEET-3/3] 3/55
  - REGULATOR 4/55
  - I/F
    - (1/2) [SHEET-1/2] 5/55
    - (2/2) [SHEET-2/2] 6/55
  - ACTIVE-FILTER 7/55
  - AD-CONVERTER
    - (A) [SHEET-1/2] 8/55
    - (B) [SHEET-2/2] 9/55
  - TC90101
    - (1/2) [SHEET-1/2] 10/55
    - (2/2) [SHEET-2/2] 11/55
  - TC90101-REG 12/55
  - GENESIS
    - (1/3) [SHEET-1/3] 13/55
    - (2/3) [SHEET-2/3] 14/55
    - (3/3) [SHEET-3/3] 15/55
  - SDRAM 16/55
  - GENESIS-OUT 17/55
  - GENESIS REG 18/55
  - RESET 19/55
  - SUB FILTER
    - (1/2) [SHEET-1/2] 20/55
    - (2/2) [SHEET-2/2] 21/55
  - 3DYCS-REG 22/55
  - 3DYCS
    - (1/2) [SHEET-1/2] 23/55
    - (2/2) [SHEET-2/2] 24/55
  - M2 Micro
    - (1/11) [SHEET-1/11] 25/55
    - (2/11) [SHEET-2/11] 26/55
    - (3/11) [SHEET-3/11] 27/55
    - (4/11) [SHEET-4/11] 28/55
    - (5/11) [SHEET-5/11] 29/55
    - (6/11) [SHEET-6/11] 30/55
    - (7/11) [SHEET-7/11] 31/55
    - (8/11) [SHEET-8/11] 32/55
    - (9/11) [SHEET-9/11] 33/55
    - (10/11) [SHEET-10/11] 34/55
    - (11/11) [SHEET-11/11] 35/55
  - Connector
    - (1/2) [SHEET-1/2] 36/55
    - (2/2) [SHEET-2/2] 37/55
- POWER DEF
  - (1) [SHEET-1/5] 38/55
  - (EW VERT) (3) [SHEET-2/5] 39/55
  - (HORIZONTAL) (4) [SHEET-3/5] 40/55
  - (PROTECT) (6) [SHEET-4/5] 41/55
  - (POWER) (8) [SHEET-5/5] 42/55
- CRT-D/SVM
  - (1/2) [SHEET-1/2] 43/55
  - (2/2) [SHEET-2/2] 44/55
- CRT-D/SVM CHOKE COIL 45/55
- AV TERMINAL
  - (1/7) [SHEET-1/7] 46/55
  - (V SW) [SHEET-2/7] 47/55
  - (A SW) [SHEET-3/7] 48/55
  - (JACK) [SHEET-4/7] 49/55
  - (TUNER IF TIF) [SHEET-5/7] 50/55
  - (AUDIO OUT) [SHEET-6/7] 51/55
  - (REGURATOR) [SHEET-7/7] 52/55
- CONTROL LED
  - (1/2) [SHEET-1/2] 53/55
  - (2/2) [SHEET-2/2] 54/55
- CONNECTION 55/55

CIRCUIT BLOCK DIAGRAM



Q510
TA1360AFG

[U1360]
1/2

YS_M2

D533
MA8100-H

C531
16V0.1uF

C539
NOT MOUNT

C537
16V0.1uF

C538
NOT MOUNT

C536
16V0.1uF

C535
NOT MOUNT

C530
NOT MOUNT

GND

9V

GJ110
0

IK_IN

004:1F R_OUT
004:2B G_OUT
004:2C B_OUT
004:2D

C513
16VB0.01uF

C5090
16V100uF

L503
TEM2134AD

CR15
16V0.1uF

CR16
16V0.1uF

9V_RGB
003:1B:003:1C

1	0.2	Ys2 (ANALOG_OSD) Ys3 (ANALOG_RGB)		Ys1 (ANALOG_OSD) YM/P-MUTE/ BLK	0.2 80
2	0.0				0.0 79
3	0.0	NC		ABCL_IN	6.0 78
4	4.5	R_S/H		VSM_OUT	4.1 77
5	0.0	NC		NC	0.0 76
6	4.6	G_S/H		Y/C_Vcc	9.0 75
7	4.7	B_S/H		APL_FILTER	5.4 74
8	8.9	IK_IN		NC	0.0 73
9	0.0	NC		NC	0.0 72
10	0.0	RGB_GND		DARK_AREA_ DET_FILTER	0.5 71
11	0.0	NC		BPH_FILTER	5.6 70
12	2.7	R_OUT		NC	0.0 69
13	2.7	G_OUT		Y1_IN	5.0 68
14	2.7	B_OUT		Cb1/Pb1_IN	5.0 67
15	0.0	NC		Cr1/Pr1_IN	5.0 66
16	8.9	RGB_Vcc		Y/C_GND	0.0 65
17	0.0	NC		LIGHT_AREA_ DET_FILTER	1.1 64
18	3.9	ANALOG_OSD_R_IN		Y2_IN	5.2 63
19	3.9	ANALOG_OSD_G_IN		NC	0.0 62
20	0.0	NC		Cb2/Pb2_IN	5.0 61

GND

9V

Q340
2SC4667

R342
100

R525
7.5K

GND

BLK_UP
014:8A

D505
@NOTMOU

R515
MOUNT
3216

[CP]
C5140
NOT MOUNT

CX944
2.2uF10V

GND
BLK_V_DEF
035:7E

D341
MA111

D312
MA111

D540
MA8100-H

VSM_OUT 004:1E

R225
100

R345
1K

R514
1K

R245
100K

D502
MA111

ABL

R513
10K
035:7D

R2104
4.7K

C206
16V 22uF

C520
50V B0.33uF

C515
NOT MOUNT

C205
10V2.2uF

D512
NOT MOUNT

D513
NOT MOUNT

GND

9V

C563
6.3V1uF

C564
16VB2.2uF

R569
220K

L501
TEM2134AD

C5030
16V100uF

C543
16V 0.1uF

C5020
16V B0.01uF

C544
16V 0.1uF

C545
16V 0.1uF

C512
16VB0.01uF

C565
10VB0.47uF

CC26
NOT MOUNT

CC25
NOT MOUNT

C533
16V 0.1uF

C532
16V 0.1uF

GND

0.1V/div

[TP] TP_B
[TP] TP_Y
[TP] TP_Y1
[TP] TP_G
[TP] TP_G1

Y_SCAL_2
GND
CB_SCAL
GND

G-HYPER(#1)
014:8D
G-HYPER(#2)
G-HYPER(#3)
014:8C
G-HYPER(#4)

GND

0.1V/div

36JW9UA
BEP (1/3)
SHEET-1/3

SH. NO.
1

Q510
TA1360AFG

[U1360]
2/2

35PIN VP-OUT
5V

ANALOG_OSD_B_IN	21 3.9	Cr2/Pr2_IN	5.0 60
NC	22 0.0	NC	0.0 59
DAC2 (ACB_PULSE)	23 0.5	COLOUR_LIMITER	6.9 58
ANALOG_R_IN	24 3.9	VSM_FILTER	6.8 57
ANALOG_G_IN	25 3.9	NC	0.0 56
ANALOG_B_IN	26 3.9	H-FREQ_SW1	0.0 55
I2L_GND	27 0.0	NC	0.0 54
SDA	28 3.2	SYNC_IN	2.2 53
NC	29 0.0	VD_IN	0.0 52
SCL	30 3.2	NC	0.0 51
I2L_VDD	31 2.0	HD_IN	0.2 50
NC	32 0.0	SCP_IN	0.0 49
NC	33 0.0	NC	0.0 48
DAC1 (SYNC_OUT)	34 7.9	CP_OUT	0.3 47
VP_OUT	35 4.8	NC	0.0 46
NC	36 0.0	DEF/DAC_Vcc	8.8 45
H-OUT	37 3.7	AFC_FILTER	6.3 44
DEF/DAC_GND	38 0.0	NC	0.0 43
FBP_IN	39 1.0	HVCO	5.0 42
H_CURVE_CORRECTION	40 2.2	H-FREQ_SW2	3.1 41

001:1E:002:1C
9V_RGB
R_M2
031:6D:036:4C:037:5D
SDA1
G_M2
B_M2
SCL1
031:6C:036:4C:037:5D

CR17 16V0.1uF
CR12 16V0.1uF
CR13 16V0.1uF
CR14 16V0.1uF
R531 10K
R5020 100
R5030 100
D507 NOT MOUNT
D508 NOT MOUNT
C548 16V 100uF
C547 16VB0.01uF
D4703 MA111
GND

001:1E:002:1A
9V_RGB
VP_Q510
033:6E:037:5C
R4414 0
R532 10k
R4412 100

HDRIVE
037:5C
L4010 NOT MOUNT
C4602 50VB1200pF
R4605 10k
D4605 MA8100-M. TX
D439 MA8100-M
R4606 NOT MOUNT
AFC
037:5C

R4411 0
D4604 1SS355
D4606 1SS355
C4603 0
R4407 0
C4010 NOT MOUNT
C4406 16VB0.01uF

R561 1/2W 180
D520 MA8027-L
R4409 4.7K

9V
R487 470K
R486 6.2K
037:5C CENT_C_EW
Q200 2SC4081
R488 150K
R4820 10k
C482 50VB1200pF

#37 H-OUT
#39 FBP_IN
9V

R483 22k
C4427 6.3VB1uF
R4472 22k
R4471 22k
GR90 470k
C4460 50VB0.22uF
C4461 50VB0.22uF

CC27 NOT MOUNT
C534 16V0.1uF
C5080 6.3VB1uF
C4112 16VB0.01uF
C505 16V0.1uF
C4420 NOT MOUNT
C4407 NOT MOUNT
D4401 MA8110-M. TX

[TP] TP_R
CR_SCAL
0.1V/div
Y_SCAL_3
VD_UP
HD_UP
R555 100
R554 100
G-HYPER(#5) 006:8C
G-HYPER(#6)
006:8E
G-HYPER(#7) 006:8C:033:6E
G-HYPER(#8) 006:8B:033:6C
G-HYPER(#9)

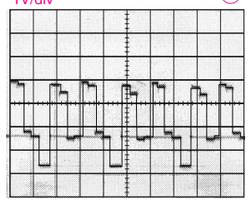
R4401 4.7K
C4403 6.3VB1uF
L4401 10uH
HOSC_VCC 037:5C
X4402 [X] 503.5kHZ
C4031 NOT MOUNT

C558 16VB0.01uF
C4405 16V 0.1uF
R4413 NOT MOUNT
C4404 16VB0.01uF
C4402 16VB0.01uF
C4401 16V 220uF
R4403 470
R4405 1K
D4413 MA8030-H
GJ440 0

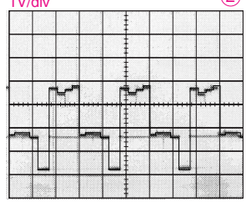
GND_DEF 037:5C
BEND_DET 037:5C

36JW9UA
BEP (2/3)
SHEET-2/3
SH. NO. 2

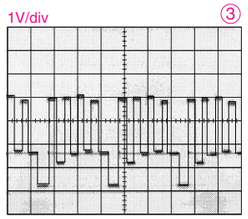
1V/div ①



1V/div ②



1V/div ③



001:1C R_OUT
001:1D G_OUT
001:1D B_OUT
001:8B VSM_OUT
001:1C IK_IN

9V
C2110 16V 0.1uF
R2149 1/10W 1k
R2155 1/10W 1k
Q2104 2SA1037K
R2105 100
R2001 10k
C2102 50V CH10pF
R2150 1/10W 1k
R2156 1/10W 1k
R2106 100
R2202 10k
C2103 50V CH10pF
Q2105 2SA1037K
R2151 1/10W 1k
R2157 1/10W 1k
R571 4.7K
R2107 100
R2003 10k
C2104 50V CH10pF
Q2106 2SA1037K
C572 16V0.1uF
R572 5.6k
R2020 100
Q201 2SC2412K
R2062 100
R2022 NOT MOUNT
R2060 470
R2061 470
GND
[TRP]

GJ38 0
GJ39 0
[FL09B]
L510 NOT MOUNT
R2111 0
R2112 0
R2113 0
R2163 0
R2164 0
R2165 0
Q2107 2SA1037K
Q2108 2SA1037K
Q2109 2SA1037K
TP46R @VAL3[TP]
TP46B @VAL3 [TP]
TPG2 @VAL3 [TP]

R360 22k
R361 22k
R362 22k
Q360 2SC2412K
DQF_VIDEO 037:5C
R363 4.7K

P703A B3B-EH [ENC]
TO CRT
VM
NC
GND_VM

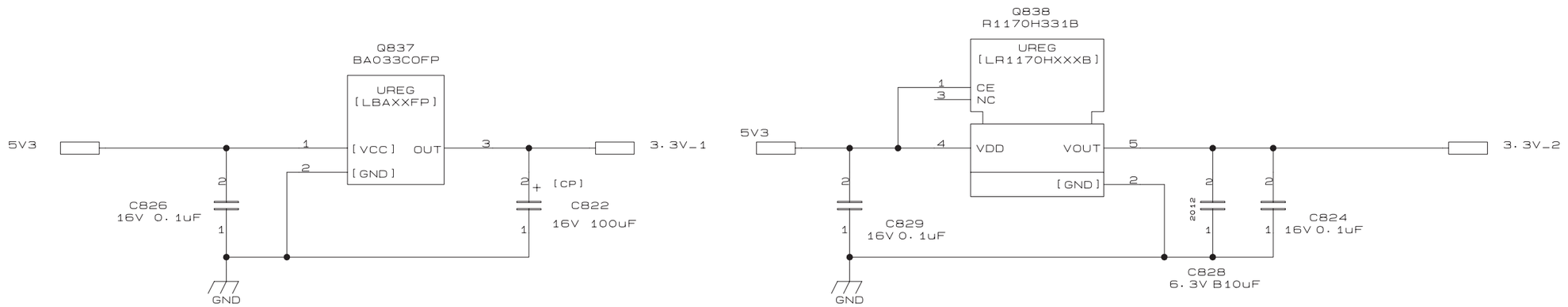
P902A B8B-EH [CN8]
TO CRT
Ik
GND_IK
B_Q510
GND_IK
G_Q510
GND_IK
R_Q510
9V

GJ111 NOT MOUNT
R558 NOT MOUNT
D530 NOT MOUNT
R559 NOT MOUNT
C555 NOT MOUNT

① ② ③

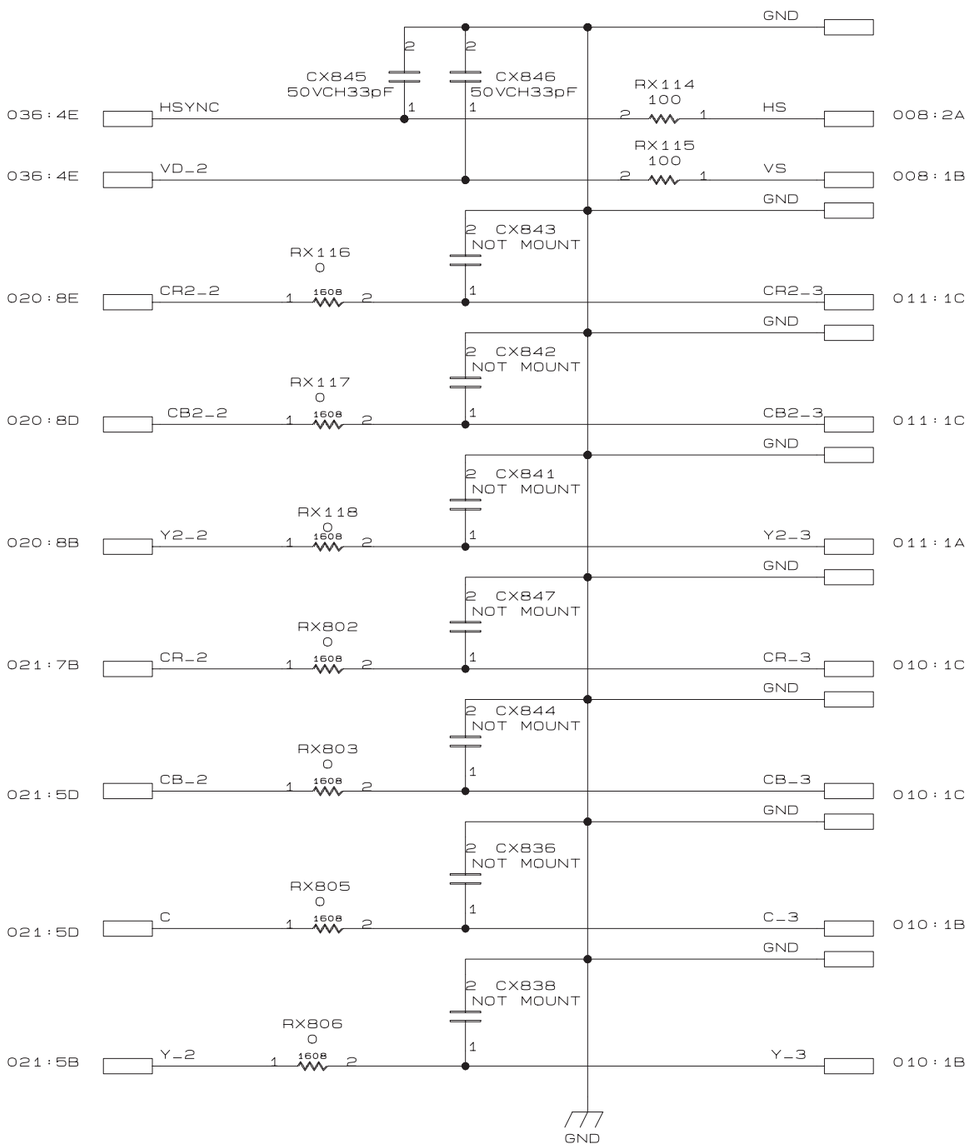
36JW9UA
BEP (3/3)
SHEET-3/3

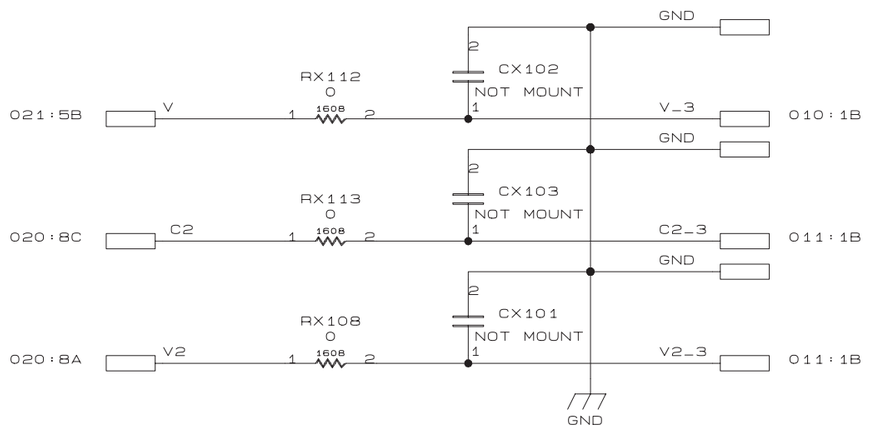
SH. NO. 3

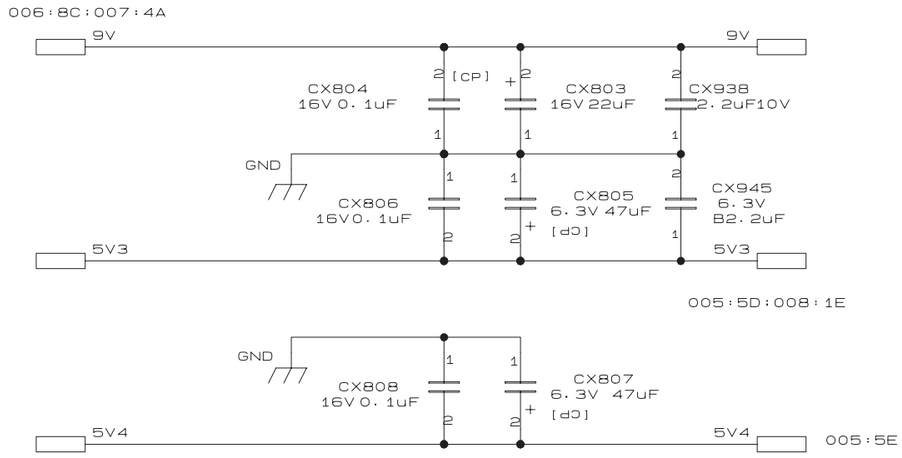


36JW9UA
REGULATOR

SH. NO.
4

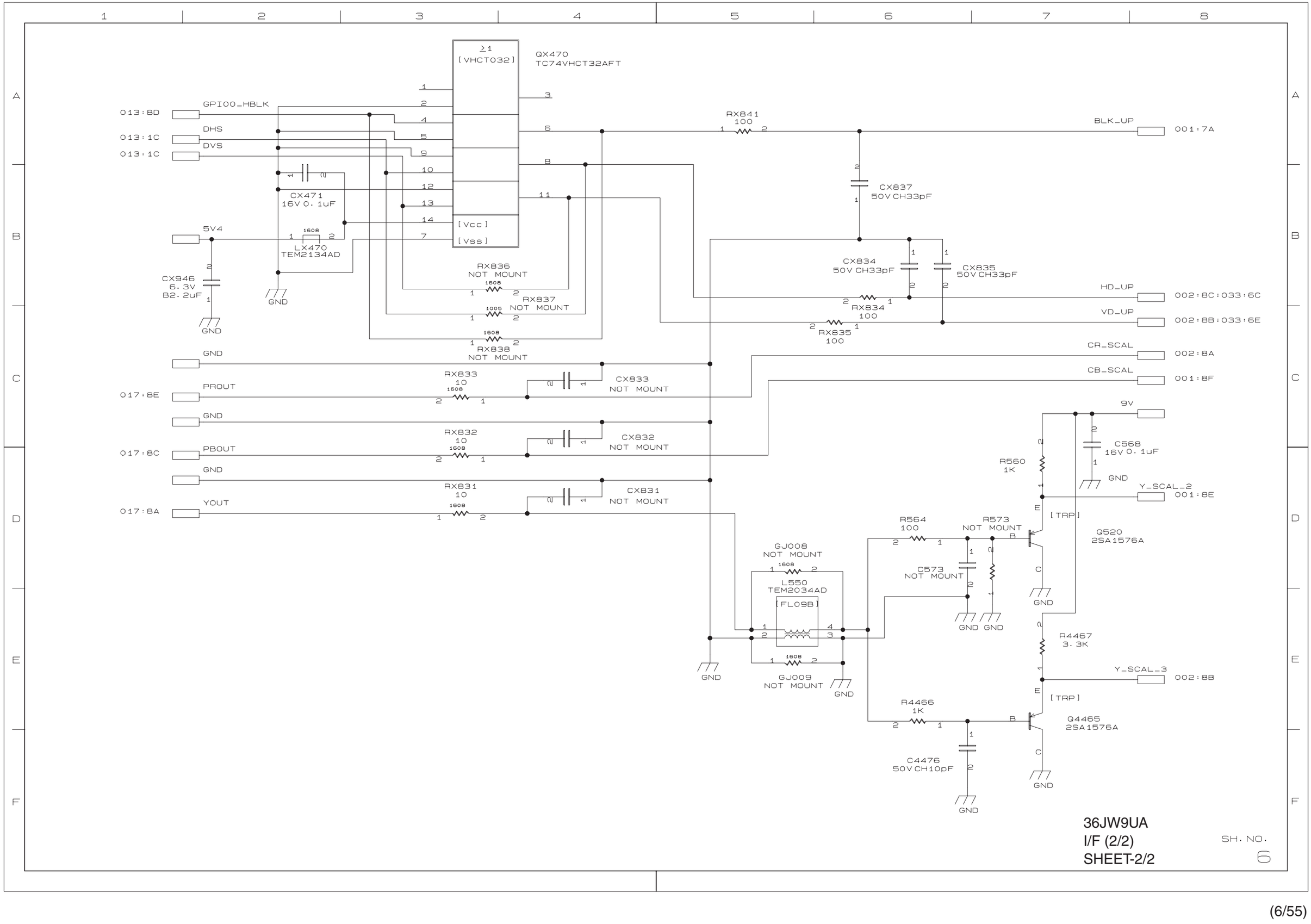


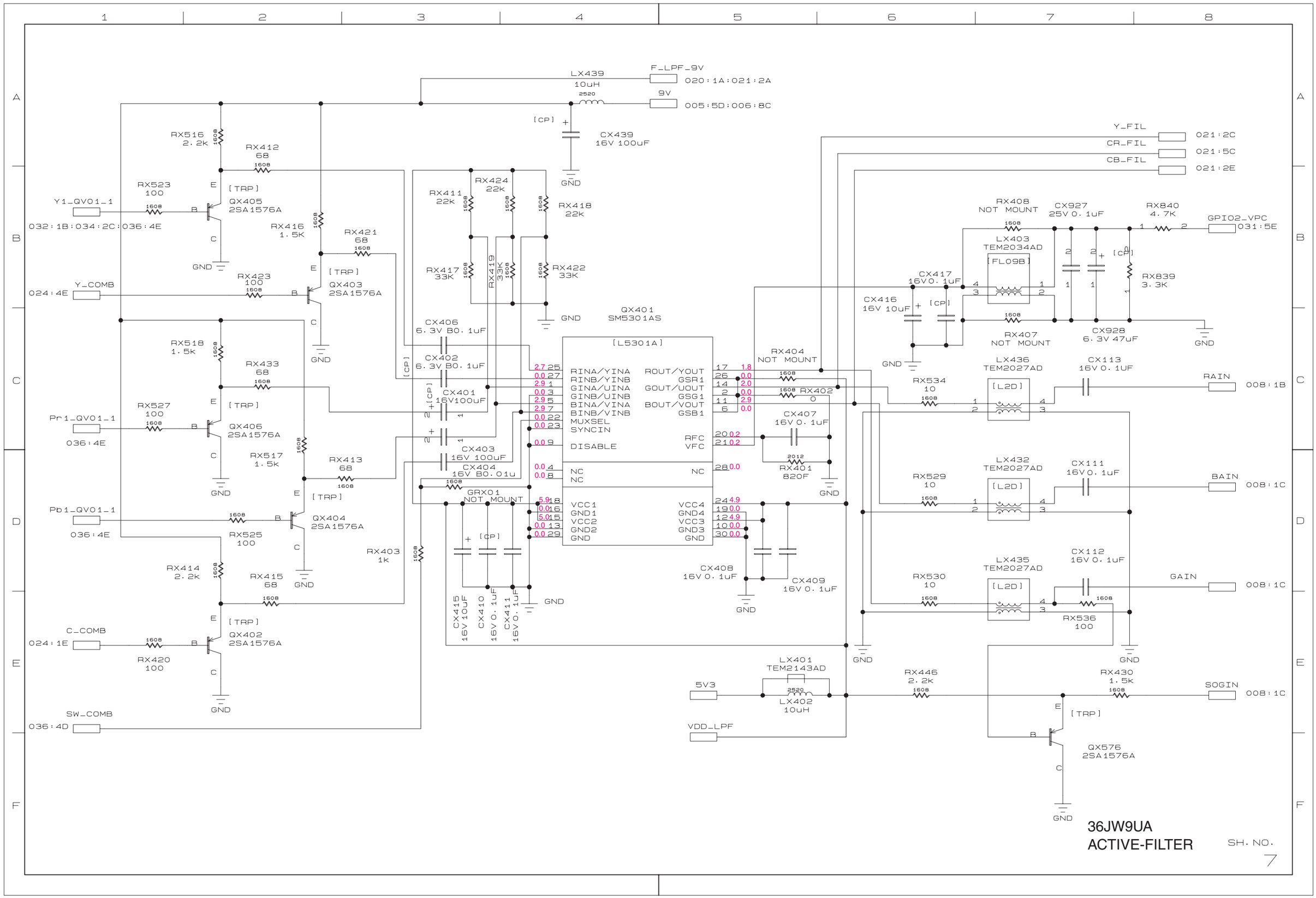


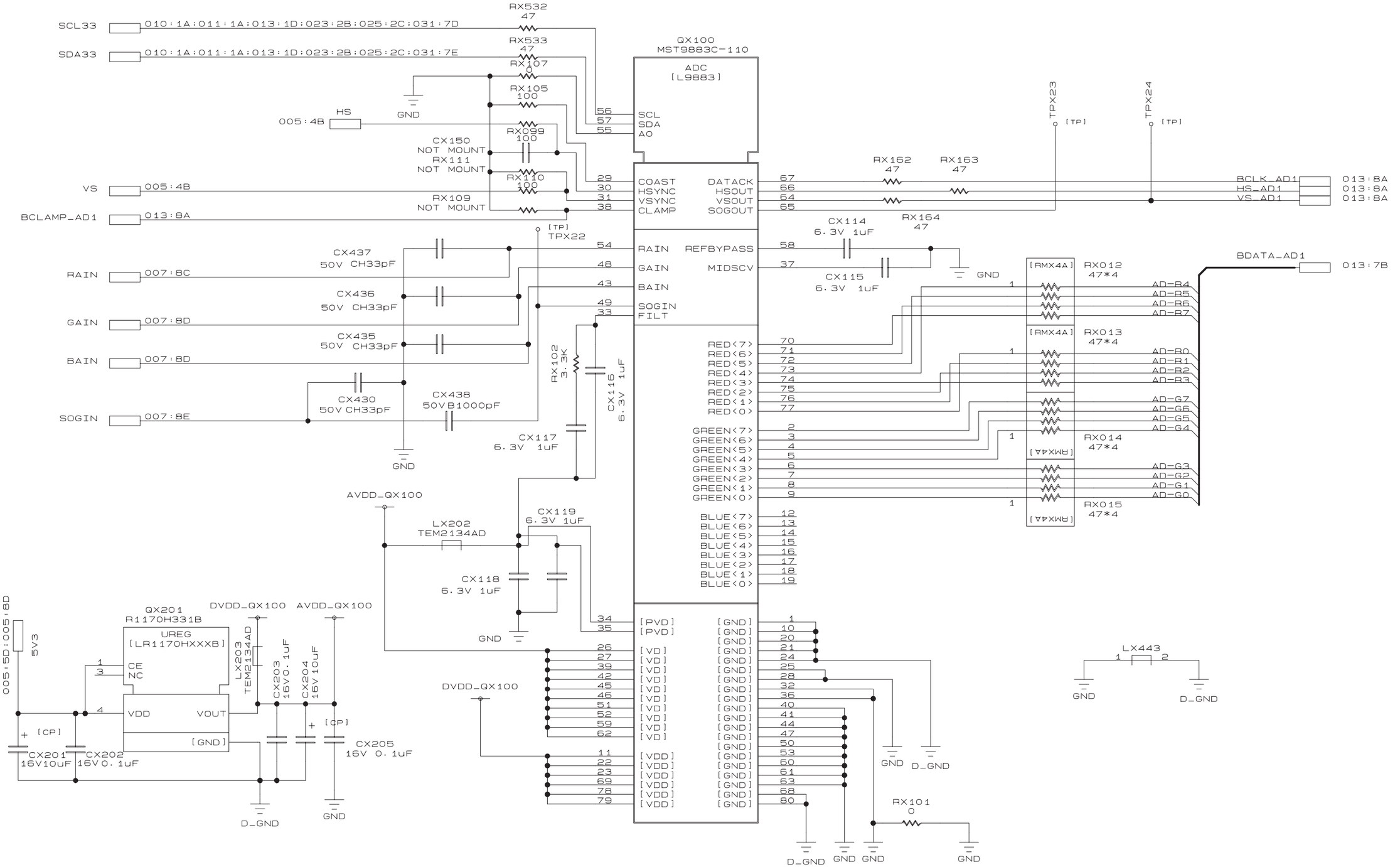


36JW9UA
I/F (1/2)
SHEET-1/2

SH. NO.
5

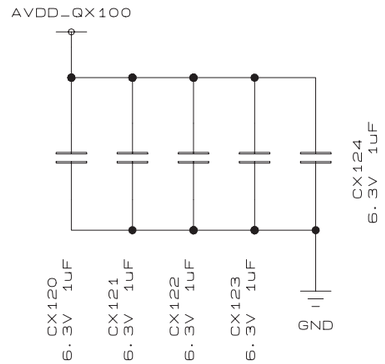

≥1
[VHCT032]
QX470
TC74VHCT32AFT
[Vcc]
[Vss]
013:8D
GPI00_HBLK
013:1C
DHS
013:1C
DVS
CX471
16V 0.1uF
5V4
LX470
TEM2134AD
CX946
6.3V
B2.2uF
GND
RX836
NOT MOUNT
RX837
NOT MOUNT
RX838
NOT MOUNT
RX841
100
BLK_UP
001:7A
CX837
50V CH33pF
CX834
50V CH33pF
CX835
50V CH33pF
HD_UP
002:8C:033:6C
RX834
100
VD_UP
002:8B:033:6E
RX835
100
CR_SCAL
002:8A
CB_SCAL
001:8F
017:8E
PROUT
RX833
10
CX833
NOT MOUNT
017:8C
PBOUT
RX832
10
CX832
NOT MOUNT
017:8A
YOUT
RX831
10
CX831
NOT MOUNT
9V
R560
1K
C568
16V 0.1uF
Y_SCAL_2
001:8E
[TRP]
Q520
2SA1576A
R564
100
R573
NOT MOUNT
C573
NOT MOUNT
GJ008
NOT MOUNT
L550
TEM2034AD
[FL09B]
GJ009
NOT MOUNT
R4467
3.3K
Y_SCAL_3
002:8B
R4466
1K
Q4465
2SA1576A
C4476
50V CH10pF
36JW9UA
I/F (2/2)
SHEET-2/2
SH. NO.
6


LX439
10uH
2520
F_LPF_9V
020:1A:021:2A
9V
005:5D:006:8C
[CP]
CX439
16V 100uF
GND
RX516
2.2K
RX412
68
RX523
100
Y1_QV01_1
032:1B:034:2C:036:4E
[TRP]
QX405
2SA1576A
RX416
1.5K
RX421
68
RX423
100
Y_COMB
024:4E
QX403
2SA1576A
RX424
22K
RX411
22K
RX418
22K
RX417
33K
RX419
33K
RX422
33K
QX401
SM5301AS
[L5301A]
CX406
6.3V B0.1uF
CX402
6.3V B0.1uF
CX401
16V100uF
CX403
16V 100uF
CX404
16V B0.01u
RX518
1.5k
RX433
68
RX527
100
Pr1_QV01_1
036:4E
QX406
2SA1576A
RX517
1.5k
RX413
68
RX525
100
Pb1_QV01_1
036:4E
QX404
2SA1576A
RX403
1k
GRX01
NOT MOUNT
RX414
2.2k
RX415
68
C_COMB
024:1E
RX420
100
QX402
2SA1576A
SW_COMB
036:4D
RINA/YINA
RINB/YINB
GINA/UINA
GINB/UINB
BINA/VINA
BINB/VINB
MUXSEL
SYNCIN
DISABLE
NC
NC
VCC1
GND1
VCC2
GND2
GND
ROUT/YOUT
GSR1
GOUT/UOUT
GSG1
BOUT/VOUT
GSB1
RFC
VFC
VCC4
GND4
VCC3
GND3
GND
CX415
16V10uF
CX410
16V 0.1uF
CX411
16V 0.1uF
CX408
16V 0.1uF
CX409
16V 0.1uF
RX404
NOT MOUNT
RX402
0
CX407
16V 0.1uF
RX401
820F
Y_FIL
CR_FIL
CB_FIL
021:2C
021:5C
021:2E
RX408
NOT MOUNT
CX927
25V 0.1uF
RX840
4.7K
GPIO2_VPC
031:5E
LX403
TEM2034AD
[FL09B]
CX417
16V0.1uF
CX416
16V 10uF
RX839
3.3K
RX407
NOT MOUNT
CX928
6.3V 47uF
LX436
TEM2027AD
[L2D]
CX113
16V 0.1UF
RAIN
008:1B
RX534
10
LX432
TEM2027AD
CX111
16V 0.1uF
RX529
10
BAIN
008:1C
LX435
TEM2027AD
CX112
16V 0.1uF
RX530
10
GAIN
008:1C
RX536
100
LX401
TEM2143AD
5V3
LX402
10uH
VDD_LPF
RX446
2.2k
RX430
1.5k
SOGIN
008:1C
QX576
2SA1576A
36JW9UA
ACTIVE-FILTER
SH. NO.
7

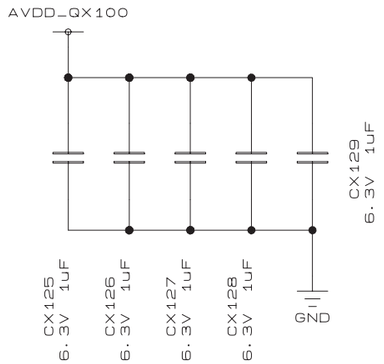


36JW9UA
AD-CONVERTER (A) SH. NO.
SHEET-1/2 08

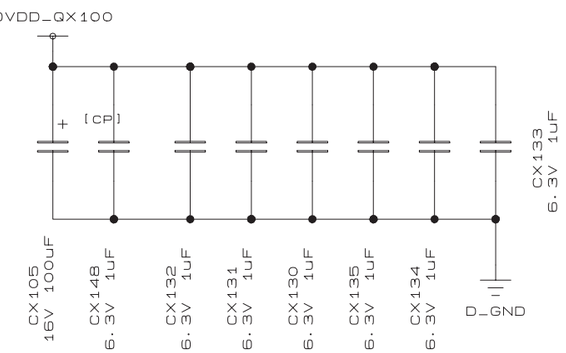
Capasitor for QX100



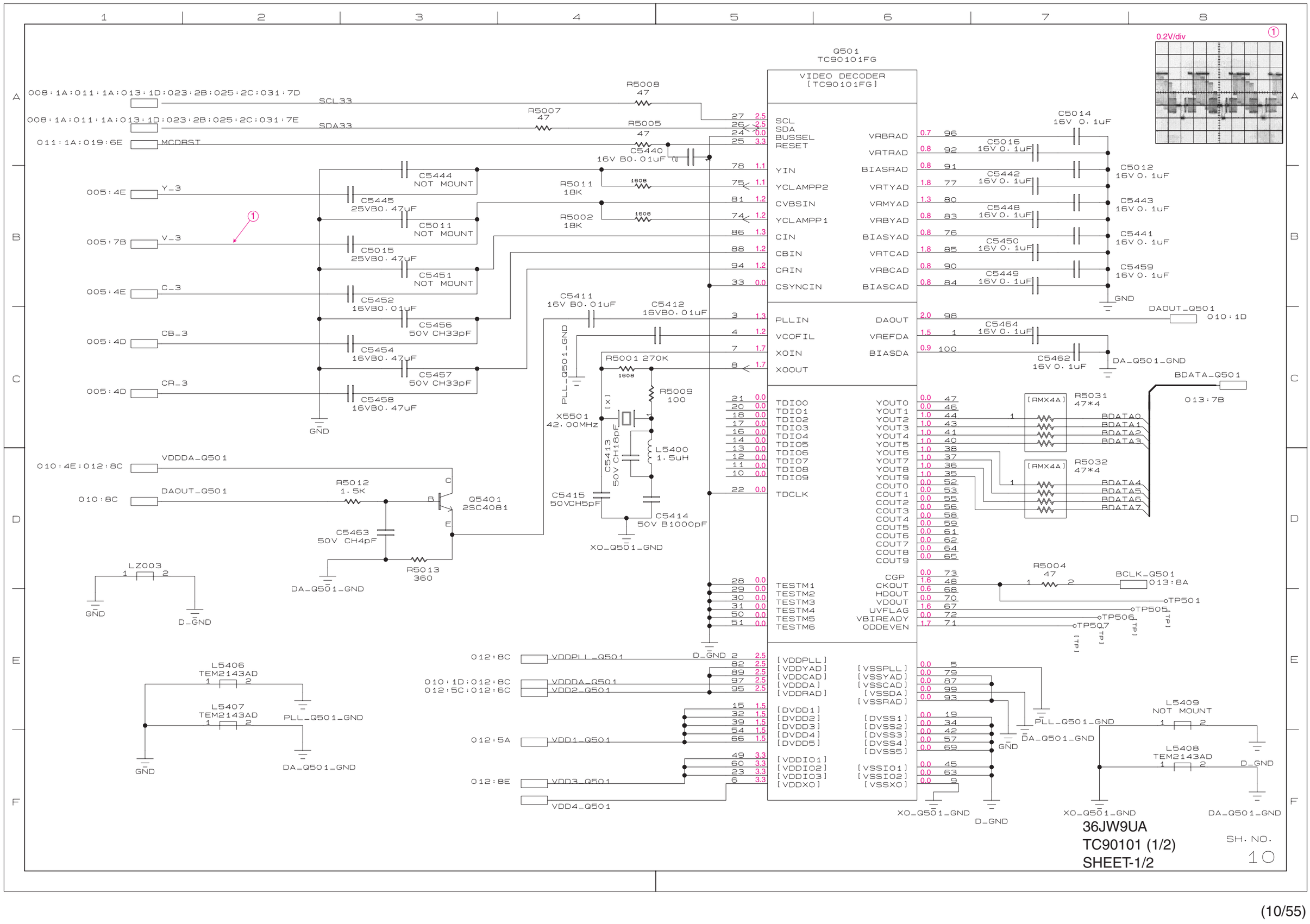
Capasitor for QX100

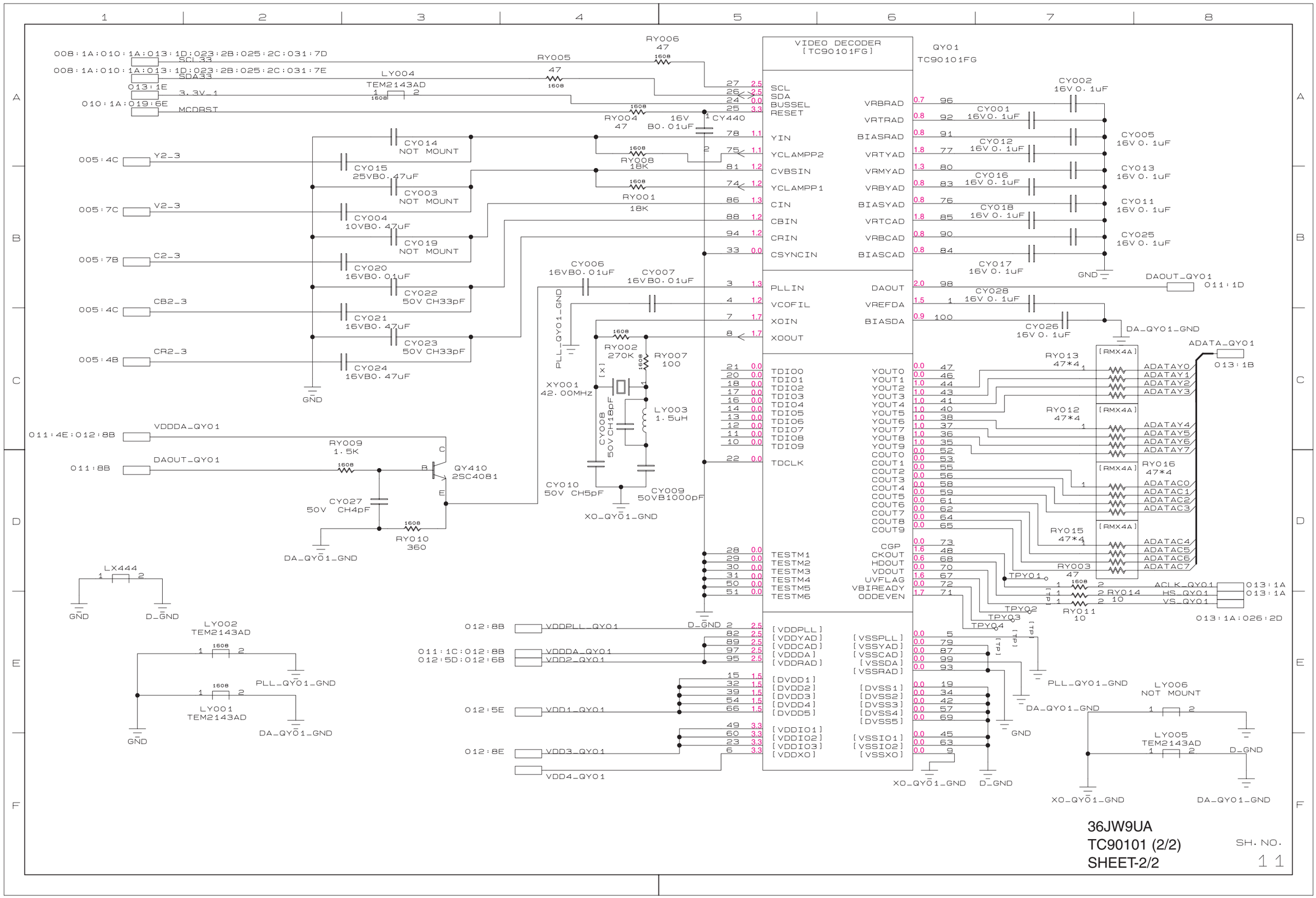


Capasitor for QX100

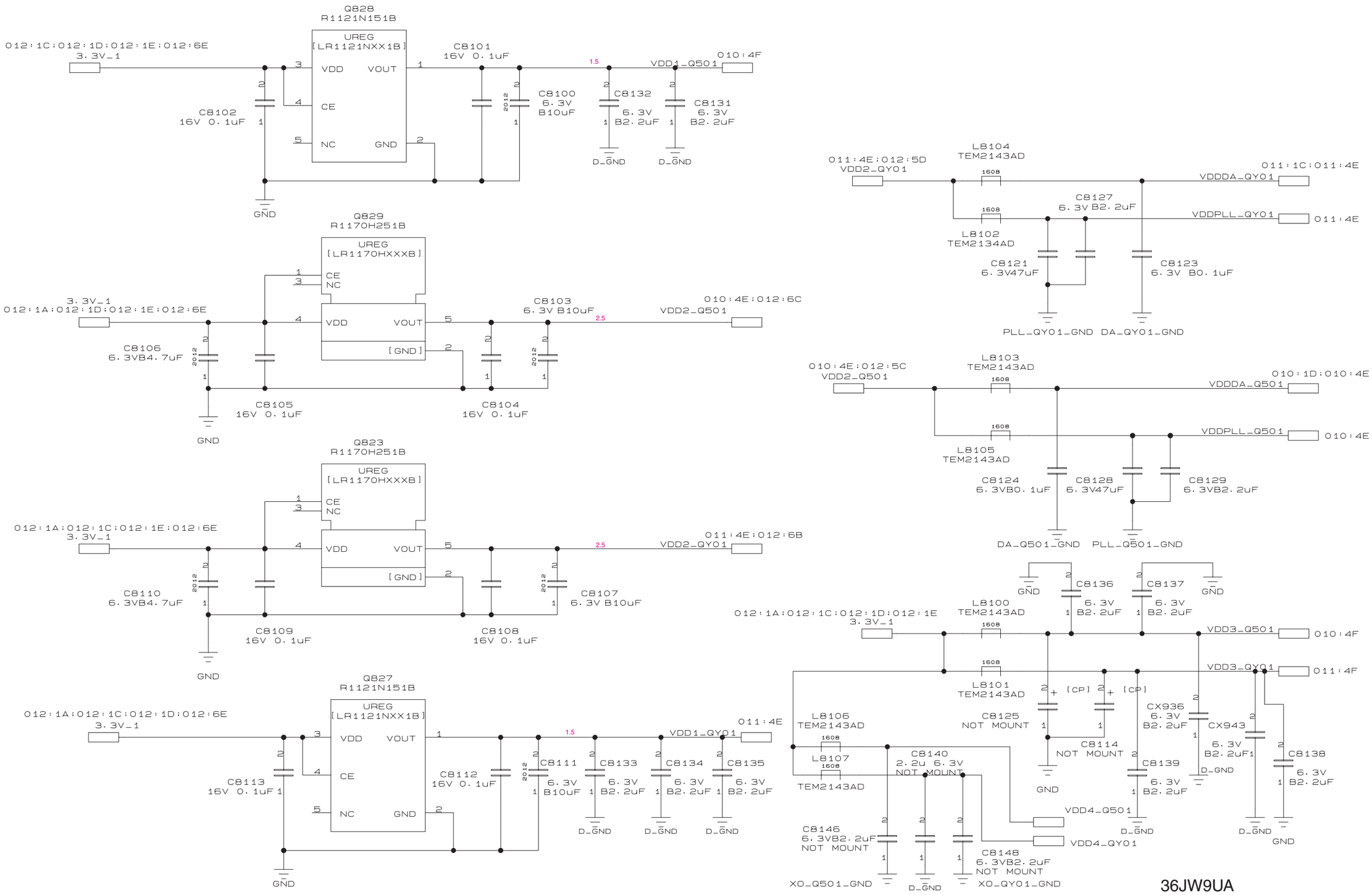


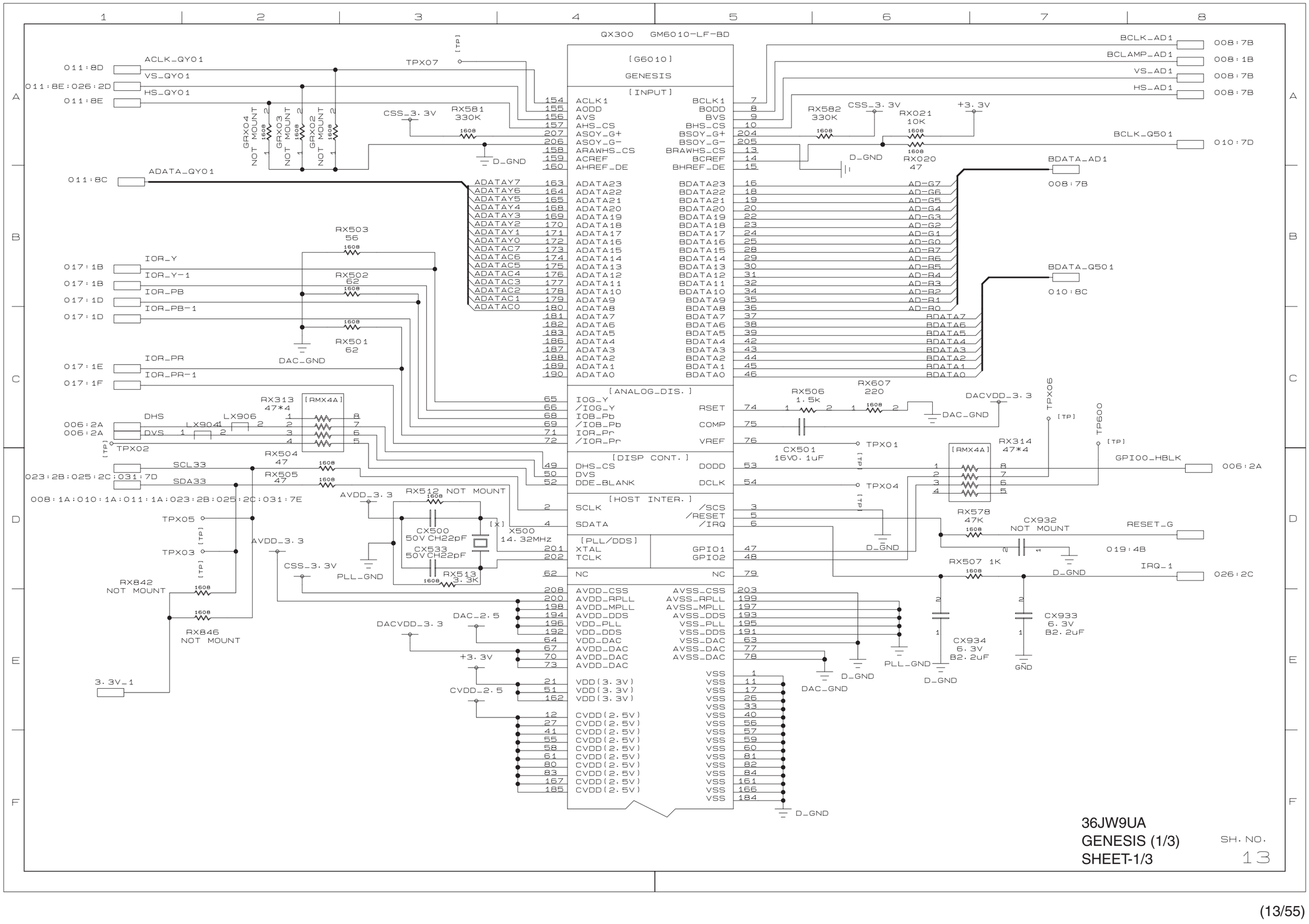
36JW9UA
AD-CONVERTER (B) SH. NO.
SHEET-2/2 09


Q501
TC90101FG
VIDEO DECODER
[TC90101FG]
SCL
SDA
BUSSEL
RESET
YIN
YCLAMPP2
CVBSIN
YCLAMPP1
CIN
CBIN
CRIN
CSYNCIN
VRBRAD
VRTRAD
BIASRAD
VRTYAD
VRMYAD
VRBYAD
BIASYAD
VRTCAD
VRBCAD
BIASCAD
PLLIN
VCOFIL
XOIN
XOOUT
DAOUT
VREFDA
BIASDA
TDIO0
TDIO1
TDIO2
TDIO3
TDIO4
TDIO5
TDIO6
TDIO7
TDIO8
TDIO9
TDCLK
YOUT0
YOUT1
YOUT2
YOUT3
YOUT4
YOUT5
YOUT6
YOUT7
YOUT8
YOUT9
COUT0
COUT1
COUT2
COUT3
COUT4
COUT5
COUT6
COUT7
COUT8
COUT9
CGP
CKOUT
HDOUT
VDOUT
UVFLAG
VBIREADY
ODDEVEN
TESTM1
TESTM2
TESTM3
TESTM4
TESTM5
TESTM6
[VDDPLL]
[VDDYAD]
[VDDCAD]
[VDDDA]
[VDDRAD]
[DVDD1]
[DVDD2]
[DVDD3]
[DVDD4]
[DVDD5]
[VDDIO1]
[VDDIO2]
[VDDIO3]
[VDDXO]
[VSSPLL]
[VSSYAD]
[VSSCAD]
[VSSDA]
[VSSRAD]
[DVSS1]
[DVSS2]
[DVSS3]
[DVSS4]
[DVSS5]
[VSSIO1]
[VSSIO2]
[VSSXO]
0.2V/div
008:1A:011:1A:013:1D:023:2B:025:2C:031:7D
SCL33
008:1A:011:1A:013:1D:023:2B:025:2C:031:7E
SDA33
011:1A:019:6E
MCDRST
R5008 47
R5007 47
R5005 47
C5440 16V B0.01uF
005:4E
Y_3
005:7B
V_3
005:4E
C_3
005:4D
CB_3
005:4D
CR_3
C5444 NOT MOUNT
C5445 25VB0.47uF
C5011 NOT MOUNT
C5015 25VB0.47uF
C5451 NOT MOUNT
C5452 16VB0.01uF
C5456 50V CH33pF
C5454 16VB0.47uF
C5457 50V CH33pF
C5458 16VB0.47uF
R5011 18K
R5002 18K
C5411 16V B0.01uF
C5412 16VB0.01uF
R5001 270K
R5009 100
X5501 42.00MHz
C5413 50V CH18pF
L5400 1.5uH
C5415 50VCH5pF
C5414 50V B1000pF
PLL_Q501_GND
XO_Q501_GND
C5014 16V 0.1uF
C5016 16V 0.1uF
C5012 16V 0.1uF
C5442 16V 0.1uF
C5443 16V 0.1uF
C5448 16V 0.1uF
C5441 16V 0.1uF
C5450 16V 0.1uF
C5459 16V 0.1uF
C5449 16V 0.1uF
GND
DAOUT_Q501
010:1D
C5464 16V 0.1uF
C5462 16V 0.1uF
DA_Q501_GND
BDATA_Q501
013:7B
[RMX4A]
R5031 47*4
R5032 47*4
BDATA0
BDATA1
BDATA2
BDATA3
BDATA4
BDATA5
BDATA6
BDATA7
R5004 47
BCLK_Q501
013:8A
TP501
TP505
TP506
TP507
VDDDA_Q501
010:4E:012:8C
DAOUT_Q501
010:8C
R5012 1.5K
Q5401 2SC4081
C5463 50V CH4pF
R5013 360
DA_Q501_GND
LZ003
GND
D_GND
012:8C
VDDPLL_Q501
010:1D:012:8C
012:5C:012:6C
VDDDA_Q501
VDD2_Q501
012:5A
VDD1_Q501
012:8E
VDD3_Q501
VDD4_Q501
L5406 TEM2143AD
L5407 TEM2143AD
L5409 NOT MOUNT
L5408 TEM2143AD
36JW9UA
TC90101 (1/2)
SHEET-1/2
SH. NO.
10


VIDEO DECODER [TC90101FG]
QY01
TC90101FG
008:1A:010:1A:013:1D:023:2B:025:2C:031:7D
008:1A:010:1A:013:1D:023:2B:025:2C:031:7E
SCL33
SDA33
013:1E
3.3V_1
010:1A:019:6E
MCDRST
LY004
TEM2143AD
RY005
RY006
RY004
RY008
RY001
RY002
RY007
RY009
RY010
CY001
CY002
CY005
CY012
CY013
CY016
CY011
CY018
CY025
CY017
CY028
CY026
CY014
CY015
CY003
CY004
CY019
CY020
CY022
CY021
CY023
CY024
CY006
CY007
CY008
CY010
CY009
CY027
CY440
LY003
XY001
42.00MHz
QY410
2SC4081
LX444
LY002
LY001
LY006
LY005
SCL
SDA
BUSSEL
RESET
YIN
YCLAMPP2
CVBSIN
YCLAMPP1
CIN
CBIN
CRIN
CSYNCIN
PLLIN
VCOFIL
XOIN
XOOUT
TDIO0
TDIO1
TDIO2
TDIO3
TDIO4
TDIO5
TDIO6
TDIO7
TDIO8
TDIO9
TDCLK
TESTM1
TESTM2
TESTM3
TESTM4
TESTM5
TESTM6
VRBRAD
VRTRAD
BIASRAD
VRTYAD
VRMYAD
VRBYAD
BIASYAD
VRTCAD
VRBCAD
BIASCAD
DAOUT
VREFDA
BIASDA
YOUT0
YOUT1
YOUT2
YOUT3
YOUT4
YOUT5
YOUT6
YOUT7
YOUT8
YOUT9
COUT0
COUT1
COUT2
COUT3
COUT4
COUT5
COUT6
COUT7
COUT8
COUT9
CGP
CKOUT
HDOUT
VDOUT
UVFLAG
VBIREADY
ODDEVEN
[VDDPLL]
[VDDYAD]
[VDDCAD]
[VDDDA]
[VDDRAD]
[DVDD1]
[DVDD2]
[DVDD3]
[DVDD4]
[DVDD5]
[VDDIO1]
[VDDIO2]
[VDDIO3]
[VDDXO]
[VSSPLL]
[VSSYAD]
[VSSCAD]
[VSSDA]
[VSSRAD]
[DVSS1]
[DVSS2]
[DVSS3]
[DVSS4]
[DVSS5]
[VSSIO1]
[VSSIO2]
[VSSXO]
[RMX4A]
RY013 47*4
RY012 47*4
RY016 47*4
RY015 47*4
RY014
RY011
RY003 47
TPY01
TPY02
TPY03
TPY04
[TP]
ADATAY0
ADATAY1
ADATAY2
ADATAY3
ADATAY4
ADATAY5
ADATAY6
ADATAY7
ADATAC0
ADATAC1
ADATAC2
ADATAC3
ADATAC4
ADATAC5
ADATAC6
ADATAC7
DAOUT_QY01
011:1D
ADATA_QY01
013:1B
ACLK_QY01
HS_QY01
VS_QY01
013:1A
013:1A:026:2D
VDDDA_QY01
011:4E:012:8B
DAOUT_QY01
011:8B
VDDPLL_QY01
012:8B
VDDA_QY01
011:1C:012:8B
012:5D:012:6B
VDD2_QY01
VDD1_QY01
012:5E
VDD3_QY01
012:8E
VDD4_QY01
Y2_3
005:4C
V2_3
005:7C
C2_3
005:7B
CB2_3
005:4C
CR2_3
005:4B
GND
D_GND
DA_QY01_GND
PLL_QY01_GND
XO_QY01_GND
PLL_QY01_GND
[X]
36JW9UA
TC90101 (2/2)
SHEET-2/2
SH. NO.
11

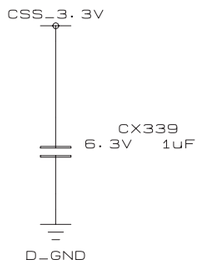
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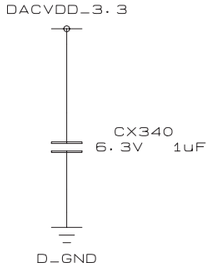

Q828
R1121N151B
UREG
[LR1121NXX1B]
012:1C:012:1D:012:1E:012:6E
3.3V_1
VDD
VOUT
CE
NC
GND
C8101
16V 0.1uF
C8102
16V 0.1uF
C8100
6.3V
B10uF
C8132
6.3V
B2.2uF
C8131
6.3V
B2.2uF
D_GND
010:4F
VDD1_Q501
Q829
R1170H251B
UREG
[LR1170HXXXB]
C8103
6.3V B10uF
010:4E:012:6C
VDD2_Q501
C8106
6.3VB4.7uF
C8105
16V 0.1uF
C8104
16V 0.1uF
Q823
R1170H251B
012:1A:012:1C:012:1E:012:6E
011:4E:012:6B
VDD2_QY01
C8110
6.3VB4.7uF
C8109
16V 0.1uF
C8108
16V 0.1uF
C8107
6.3V B10uF
Q827
R1121N151B
012:1A:012:1C:012:1D:012:6E
011:4E
VDD1_QY01
C8113
16V 0.1uF
C8112
16V 0.1uF
C8111
6.3V
B10uF
C8133
6.3V
B2.2uF
C8134
6.3V
B2.2uF
C8135
6.3V
B2.2uF
L8104
TEM2143AD
011:4E:012:5D
VDD2_QY01
011:1C:011:4E
VDDDA_QY01
VDDPLL_QY01
011:4E
C8127
6.3V B2.2uF
L8102
TEM2134AD
C8121
6.3V47uF
C8123
6.3V B0.1uF
PLL_QY01_GND
DA_QY01_GND
L8103
TEM2143AD
010:4E:012:5C
VDD2_Q501
010:1D:010:4E
VDDDA_Q501
VDDPLL_Q501
010:4E
L8105
TEM2143AD
C8124
6.3VB0.1uF
C8128
6.3V47uF
C8129
6.3VB2.2uF
DA_Q501_GND
PLL_Q501_GND
L8100
TEM2143AD
012:1A:012:1C:012:1D:012:1E
C8136
6.3V
B2.2uF
C8137
6.3V
B2.2uF
VDD3_Q501
010:4F
VDD3_QY01
011:4F
L8101
TEM2143AD
[CP]
C8125
NOT MOUNT
C8114
NOT MOUNT
CX936
6.3V
B2.2uF
CX943
6.3V
B2.2uF
C8139
6.3V
B2.2uF
C8138
6.3V
B2.2uF
L8106
TEM2143AD
L8107
TEM2143AD
C8140
2.2u 6.3V
NOT MOUNT
VDD4_Q501
VDD4_QY01
C8146
6.3VB2.2uF
NOT MOUNT
C8148
6.3VB2.2uF
NOT MOUNT
XO_Q501_GND
XO_QY01_GND
36JW9UA
TC90101-REG
SH. NO.
12

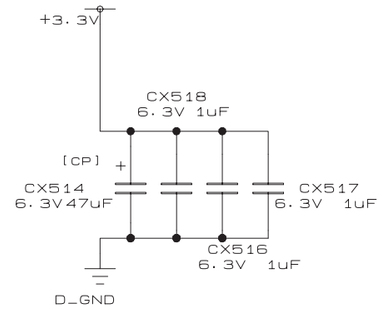

QX300 GM6010-LF-BD
[G6010]
GENESIS
[INPUT]
[ANALOG_DIS.]
[DISP CONT.]
[HOST INTER.]
[PLL/DDS]
ACLK_QY01
VS_QY01
HS_QY01
ADATA_QY01
IOR_Y
IOR_Y-1
IOR_PB
IOR_PB-1
IOR_PR
IOR_PR-1
DHS
DVS
SCL33
SDA33
TPX02
TPX03
TPX04
TPX05
TPX06
TPX07
TP600
TPX01
CSS_3.3V
AVDD_3.3
DACVDD_3.3
DAC_2.5
CVDD_2.5
3.3V_1
D_GND
DAC_GND
PLL_GND
GND
BCLK_AD1
BCLAMP_AD1
VS_AD1
HS_AD1
BCLK_Q501
BDATA_AD1
BDATA_Q501
GPIO0_HBLK
RESET_G
IRQ_1
RX581 330K
RX582 330K
RX021 10K
RX020 47
RX503 56
RX502 62
RX501 62
RX313 47*4
RX504 47
RX505 47
RX512 NOT MOUNT
RX842 NOT MOUNT
RX846 NOT MOUNT
RX506 1.5k
RX607 220
RX314 47*4
RX578 47K
RX507 1K
CX500 50V CH22pF
CX533 50V CH22pF
CX501 16V0.1uF
CX932 NOT MOUNT
CX933 6.3V B2.2uF
CX934 6.3V B2.2uF
X500 14.32MHz
GRX04 NOT MOUNT
GRX03 NOT MOUNT
GRX02 NOT MOUNT
LX904
LX906
36JW9UA
GENESIS (1/3)
SHEET-1/3
SH. NO. 13

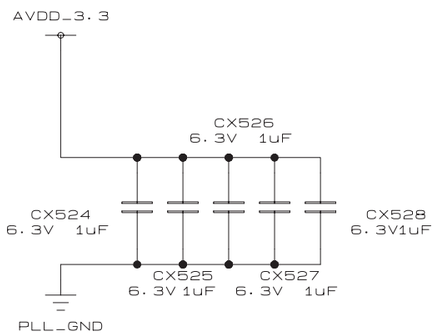
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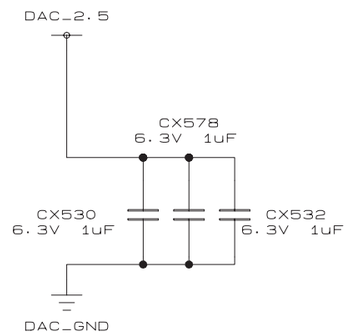
Capasitor for QX300

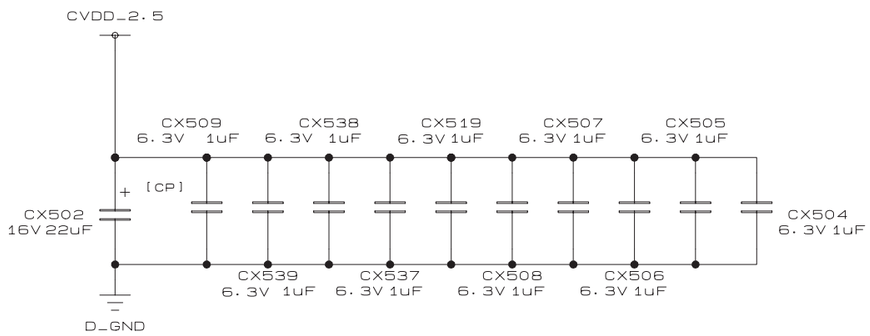






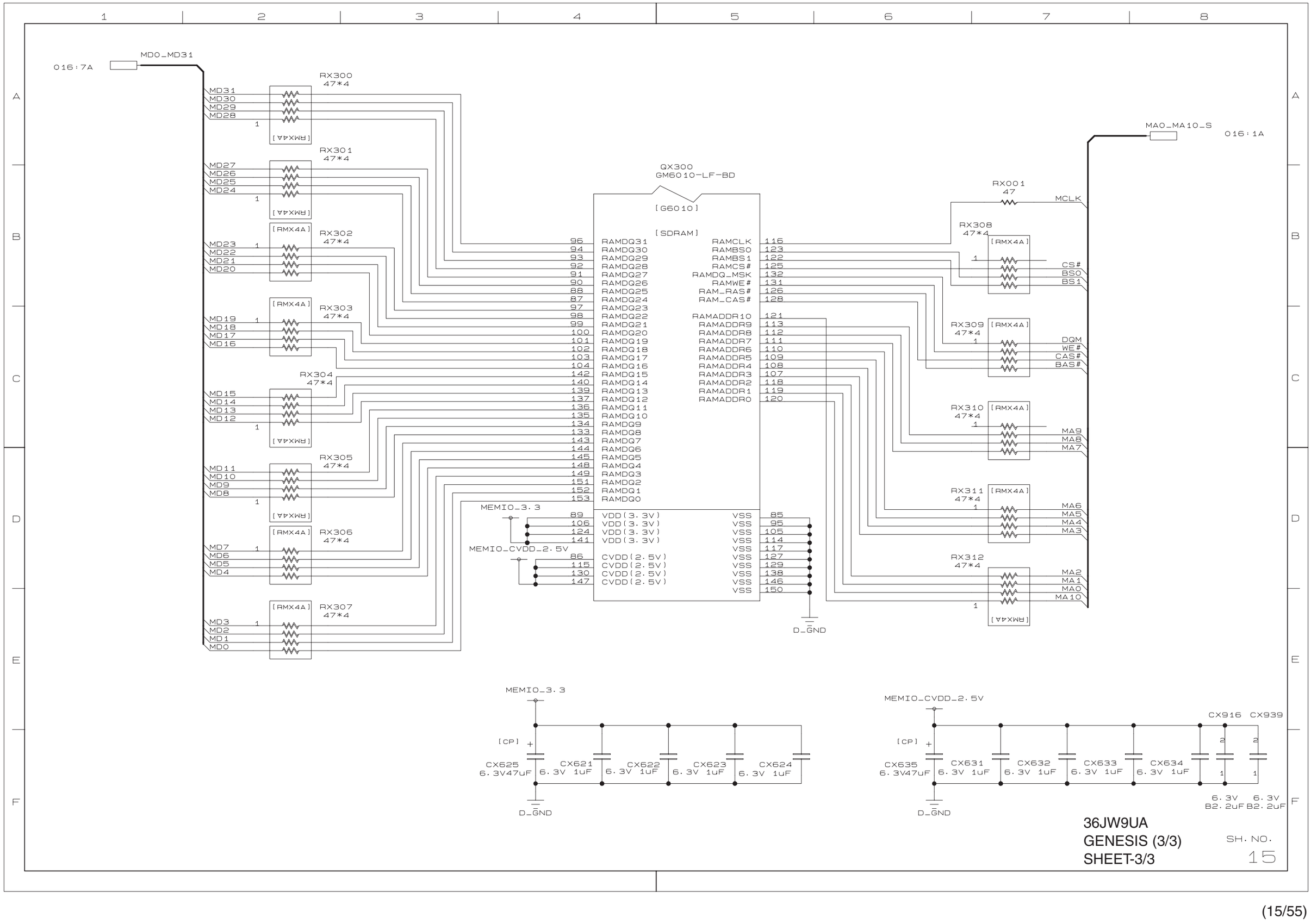


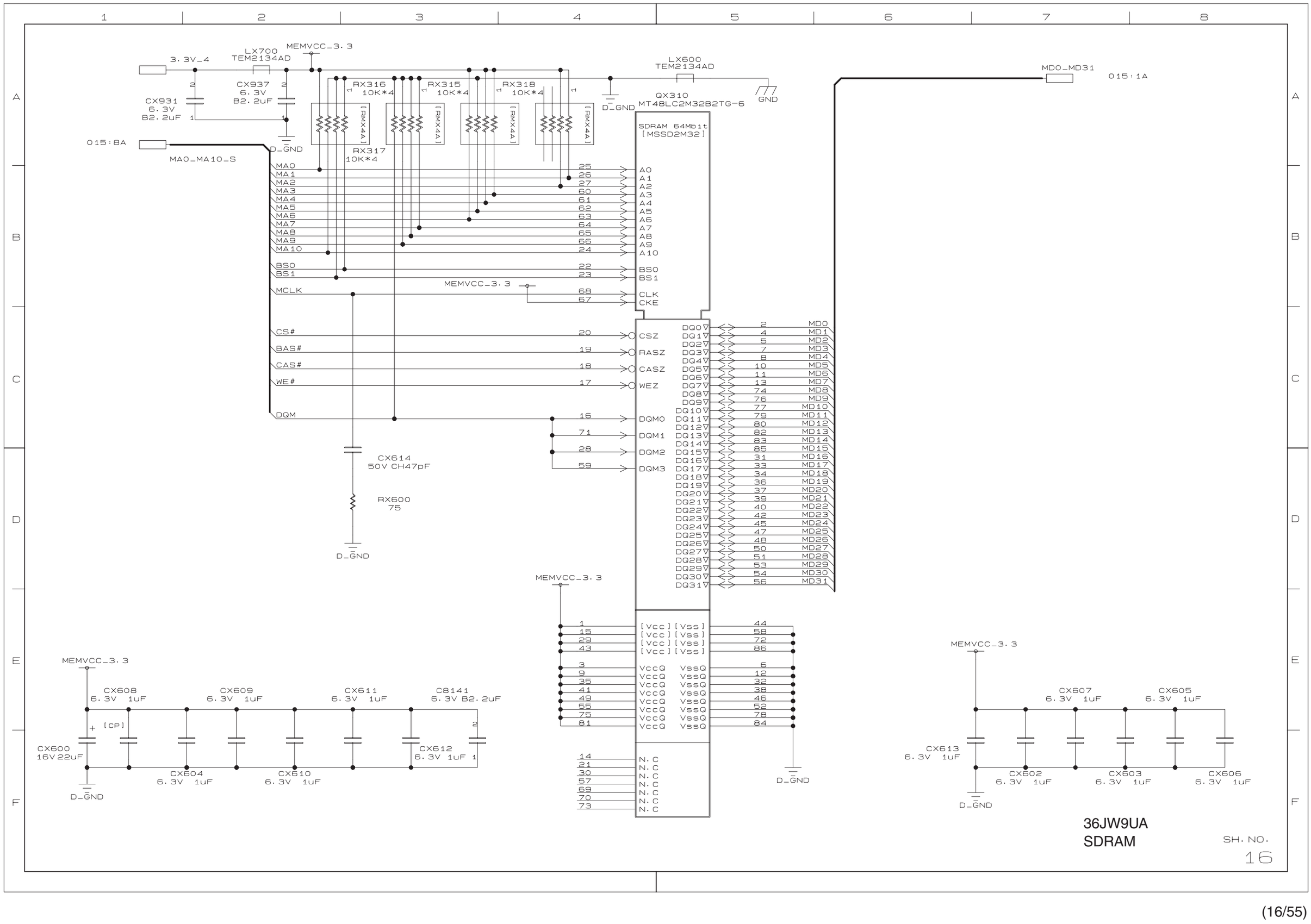


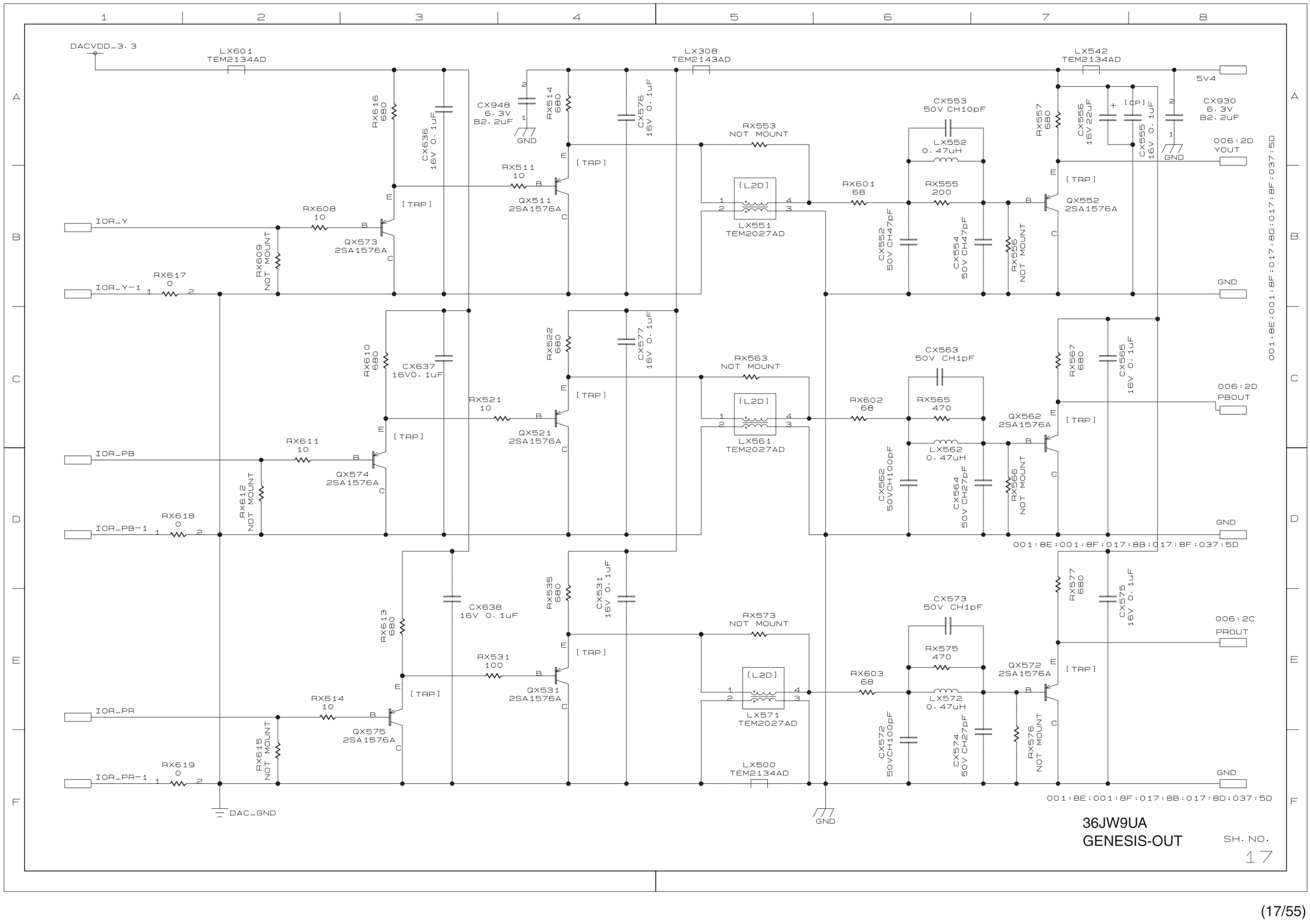


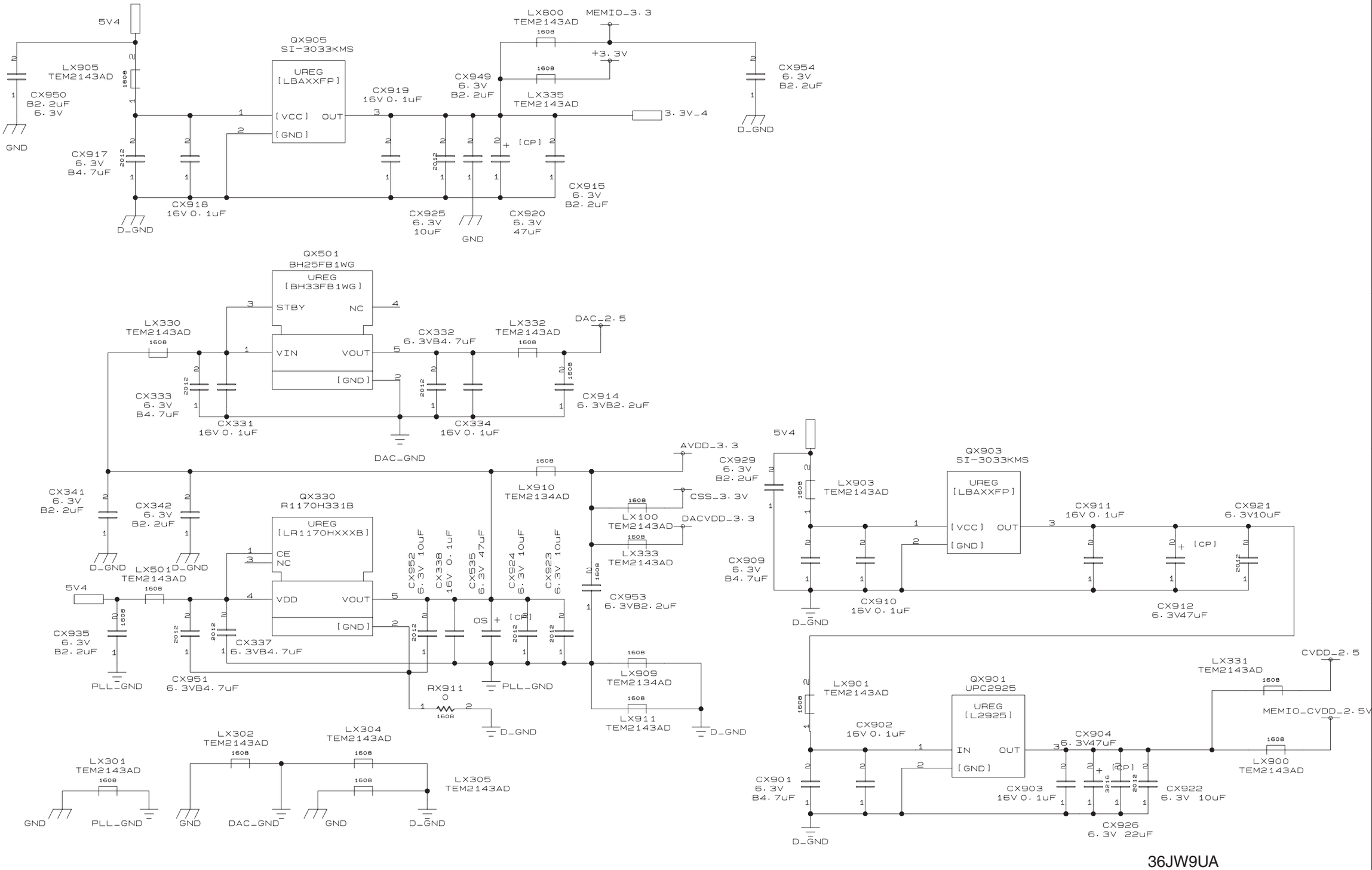
36JW9UA
GENESIS (2/3)
SHEET-2/3

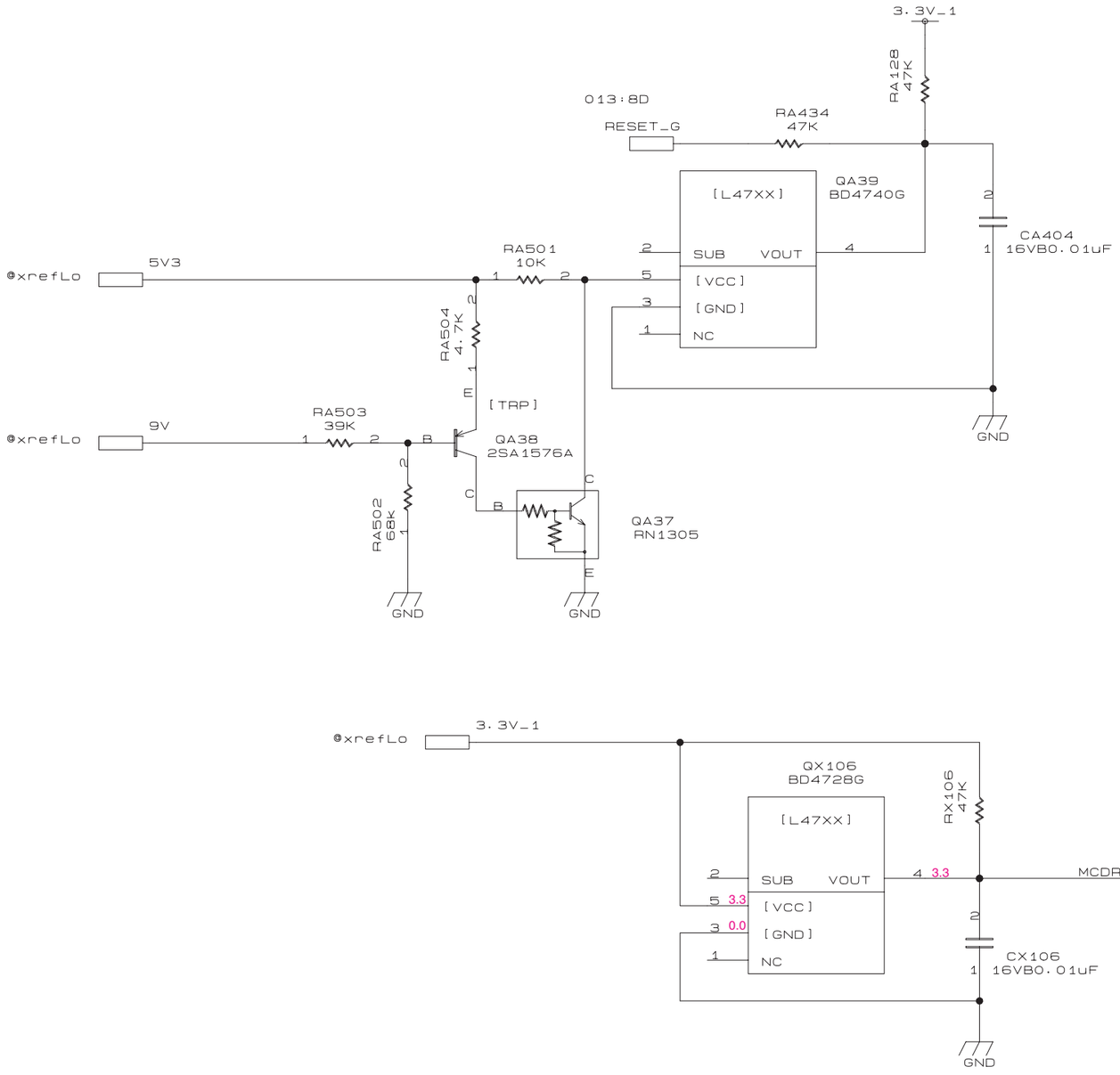
SH. NO.
14


MD0_MD31
016:7A
RX300
47*4
MD31
MD30
MD29
MD28
RX301
47*4
MD27
MD26
MD25
MD24
RX302
47*4
MD23
MD22
MD21
MD20
RX303
47*4
MD19
MD18
MD17
MD16
RX304
47*4
MD15
MD14
MD13
MD12
RX305
47*4
MD11
MD10
MD9
MD8
RX306
47*4
MD7
MD6
MD5
MD4
RX307
47*4
MD3
MD2
MD1
MD0
[RMX4A]
QX300
GM6010-LF-BD
[G6010]
[SDRAM]
96 RAMDQ31
94 RAMDQ30
93 RAMDQ29
92 RAMDQ28
91 RAMDQ27
90 RAMDQ26
88 RAMDQ25
87 RAMDQ24
97 RAMDQ23
98 RAMDQ22
99 RAMDQ21
100 RAMDQ20
101 RAMDQ19
102 RAMDQ18
103 RAMDQ17
104 RAMDQ16
142 RAMDQ15
140 RAMDQ14
139 RAMDQ13
137 RAMDQ12
136 RAMDQ11
135 RAMDQ10
134 RAMDQ9
133 RAMDQ8
143 RAMDQ7
144 RAMDQ6
145 RAMDQ5
148 RAMDQ4
149 RAMDQ3
151 RAMDQ2
152 RAMDQ1
153 RAMDQ0
RAMCLK 116
RAMBS0 123
RAMBS1 122
RAMCS# 125
RAMDQ_MSK 132
RAMWE# 131
RAM_RAS# 126
RAM_CAS# 128
RAMADDR10 121
RAMADDR9 113
RAMADDR8 112
RAMADDR7 111
RAMADDR6 110
RAMADDR5 109
RAMADDR4 108
RAMADDR3 107
RAMADDR2 118
RAMADDR1 119
RAMADDR0 120
MEMIO_3.3
89 VDD(3.3V)
106 VDD(3.3V)
124 VDD(3.3V)
141 VDD(3.3V)
MEMIO_CVDD_2.5V
86 CVDD(2.5V)
115 CVDD(2.5V)
130 CVDD(2.5V)
147 CVDD(2.5V)
VSS 85
VSS 95
VSS 105
VSS 114
VSS 117
VSS 127
VSS 129
VSS 138
VSS 146
VSS 150
D_GND
RX001
47
MCLK
RX308
47*4
CS#
BS0
BS1
RX309
47*4
DQM
WE#
CAS#
BAS#
RX310
47*4
MA9
MA8
MA7
RX311
47*4
MA6
MA5
MA4
MA3
RX312
47*4
MA2
MA1
MA0
MA10
MA0_MA10_S
016:1A
MEMIO_3.3
[CP]
CX625
6.3V47uF
CX621
6.3V 1uF
CX622
6.3V 1uF
CX623
6.3V 1uF
CX624
6.3V 1uF
D_GND
MEMIO_CVDD_2.5V
[CP]
CX635
6.3V47uF
CX631
6.3V 1uF
CX632
6.3V 1uF
CX633
6.3V 1uF
CX634
6.3V 1uF
CX916
CX939
6.3V
B2.2uF
6.3V
B2.2uF
D_GND
36JW9UA
GENESIS (3/3)
SHEET-3/3
SH. NO.
15


MEMVCC_3.3
3.3V_4
LX700
TEM2134AD
CX931
6.3V
B2.2uF
CX937
6.3V
B2.2uF
RX316
10K*4
RX315
10K*4
RX318
10K*4
RX317
10K*4
[RNX4A]
LX600
TEM2134AD
GND
D_GND
QX310
MT48LC2M32B2TG-6
SDRAM 64Mbit
[MSSD2M32]
015:8A
MA0_MA10_S
MA0
MA1
MA2
MA3
MA4
MA5
MA6
MA7
MA8
MA9
MA10
BS0
BS1
MCLK
CKE
CS#
BAS#
CAS#
WE#
DQM
CSZ
RASZ
CASZ
WEZ
DQM0
DQM1
DQM2
DQM3
CX614
50V CH47pF
RX600
75
MD0_MD31
015:1A
MD0
MD1
MD2
MD3
MD4
MD5
MD6
MD7
MD8
MD9
MD10
MD11
MD12
MD13
MD14
MD15
MD16
MD17
MD18
MD19
MD20
MD21
MD22
MD23
MD24
MD25
MD26
MD27
MD28
MD29
MD30
MD31
[Vcc]
[Vss]
VccQ
VssQ
N.C
CX608
6.3V 1uF
CX609
6.3V 1uF
CX611
6.3V 1uF
C8141
6.3V B2.2uF
CX600
16V 22uF
[CP]
CX604
6.3V 1uF
CX610
6.3V 1uF
CX612
6.3V 1uF
CX607
6.3V 1uF
CX605
6.3V 1uF
CX613
6.3V 1uF
CX602
6.3V 1uF
CX603
6.3V 1uF
CX606
6.3V 1uF
36JW9UA
SDRAM
SH. NO.
16

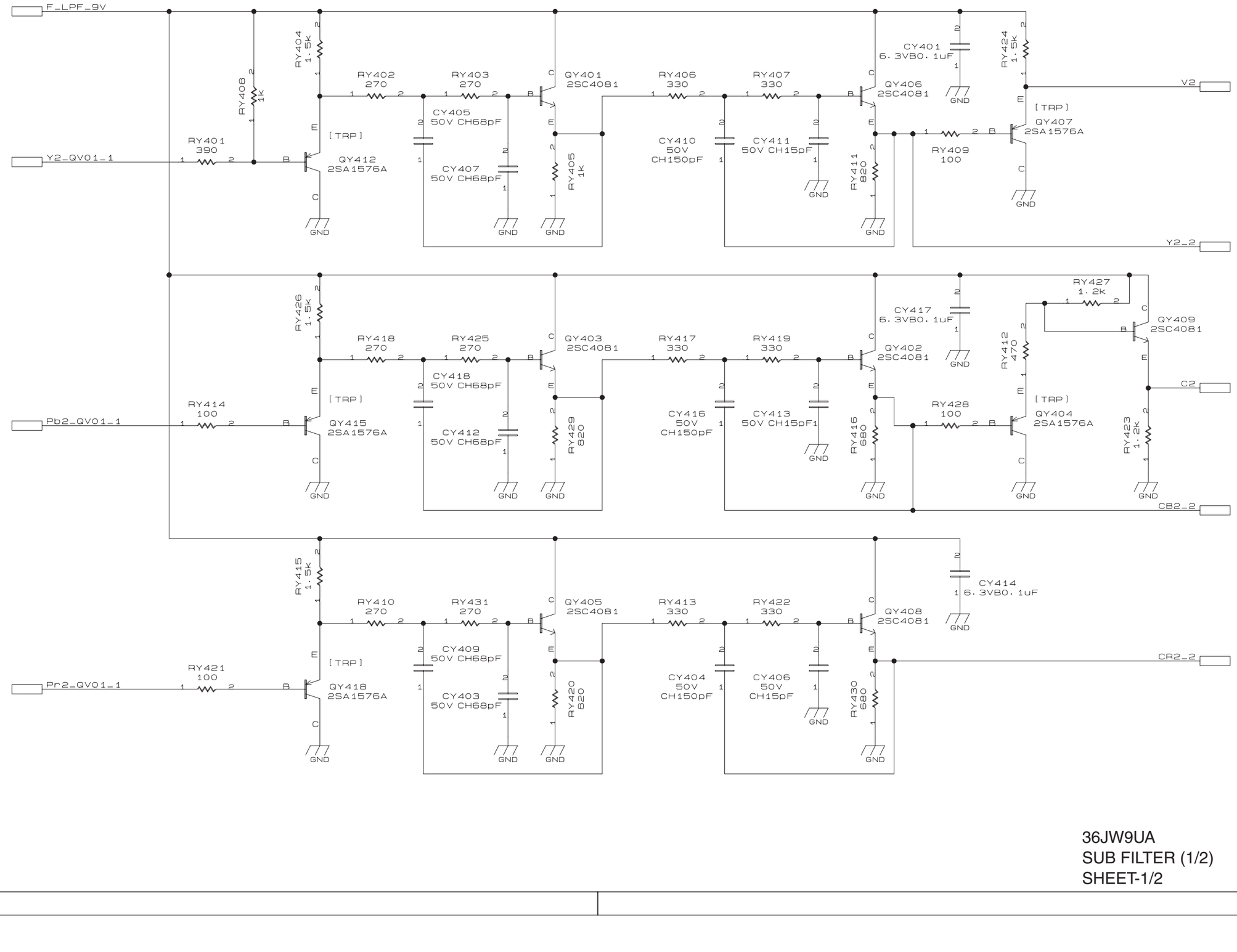

DACVDD_3.3
LX601
TEM2134AD
LX308
TEM2134AD
LX542
TEM2134AD
5V4
RX616
680
CX636
16V 0.1uF
CX948
6.3V
B2.2uF
GND
RX514
680
CX576
16V 0.1uF
CX553
50V CH10pF
LX552
0.47uH
RX557
680
CX556
16V 22uF
CX555
16V 0.1uF
CX930
6.3V
B2.2uF
006:2D
YOUT
RX553
NOT MOUNT
[L2D]
LX551
TEM2027AD
RX601
68
RX555
200
CX552
50V CH47pF
CX554
50V CH47pF
RX556
NOT MOUNT
[TRP]
QX552
2SA1576A
RX511
10
QX511
2SA1576A
[TRP]
RX608
10
QX573
2SA1576A
[TRP]
IOR_Y
RX609
NOT MOUNT
RX617
0
IOR_Y-1
GND
RX610
680
CX637
16V0.1uF
RX522
680
CX577
16V 0.1uF
CX563
50V CH1pF
RX563
NOT MOUNT
[L2D]
LX561
TEM2027AD
RX602
68
RX565
470
LX562
0.47uH
RX567
680
CX565
16V 0.1uF
006:2D
PBOUT
QX562
2SA1576A
[TRP]
RX521
10
QX521
2SA1576A
[TRP]
RX611
10
QX574
2SA1576A
[TRP]
IOR_PB
RX612
NOT MOUNT
RX618
0
IOR_PB-1
CX562
50VCH100pF
CX564
50V CH27pF
RX566
NOT MOUNT
GND
001:8E:001:8F:017:8B:017:8F:037:5D
CX638
16V 0.1uF
RX535
680
CX531
16V 0.1uF
RX573
NOT MOUNT
CX573
50V CH1pF
RX577
680
CX575
16V 0.1uF
006:2C
PROUT
RX613
680
RX531
100
QX531
2SA1576A
[TRP]
RX603
68
RX575
470
LX572
0.47uH
QX572
2SA1576A
[TRP]
RX614
10
QX575
2SA1576A
[TRP]
IOR_PR
RX615
NOT MOUNT
RX619
0
IOR_PR-1
CX572
50VCH100pF
CX574
50V CH27pF
RX576
NOT MOUNT
GND
001:8E:001:8F:017:8B:017:8D:037:5D
LX571
TEM2027AD
LX500
TEM2134AD
GND
DAC_GND
001:8E:001:8F:017:8D:017:8F:037:5D
36JW9UA
GENESIS-OUT
SH. NO.
17


5V4
LX905
TEM2143AD
CX950
B2.2uF
6.3V
GND
QX905
SI-3033KMS
UREG
[LBAXXFP]
[VCC]
OUT
[GND]
CX919
16V 0.1uF
CX917
6.3V
B4.7uF
CX918
16V 0.1uF
D_GND
LX800
TEM2143AD
MEMIO_3.3
+3.3V
CX949
6.3V
B2.2uF
LX335
TEM2143AD
3.3V_4
CX954
6.3V
B2.2uF
[CP]
CX915
6.3V
B2.2uF
CX925
6.3V
10uF
CX920
6.3V
47uF
QX501
BH25FB1WG
UREG
[BH33FB1WG]
STBY
NC
VIN
VOUT
LX330
TEM2143AD
CX332
6.3VB4.7uF
LX332
TEM2143AD
DAC_2.5
CX333
6.3V
B4.7uF
CX331
16V 0.1uF
CX334
16V 0.1uF
CX914
6.3VB2.2uF
DAC_GND
AVDD_3.3
LX910
TEM2134AD
CX341
6.3V
B2.2uF
CX342
6.3V
B2.2uF
QX330
R1170H331B
UREG
[LR1170HXXXB]
CE
NC
VDD
VOUT
[GND]
LX501
TEM2143AD
CX952
6.3V 10uF
CX338
16V 0.1uF
CX535
6.3V 47uF
CX924
6.3V 10uF
CX923
6.3V 10uF
CSS_3.3V
LX100
TEM2143AD
DACVDD_3.3
LX333
TEM2143AD
CX953
6.3VB2.2uF
5V4
CX935
6.3V
B2.2uF
CX337
6.3VB4.7uF
CX951
6.3VB4.7uF
PLL_GND
OS
[CP]
RX911
0
LX909
TEM2134AD
LX911
TEM2143AD
LX301
TEM2143AD
LX302
TEM2143AD
LX304
TEM2143AD
LX305
TEM2143AD
GND
5V4
CX929
6.3V
B2.2uF
LX903
TEM2143AD
QX903
SI-3033KMS
CX911
16V 0.1uF
CX921
6.3V10uF
CX909
6.3V
B4.7uF
CX910
16V 0.1uF
CX912
6.3V47uF
CVDD_2.5
LX331
TEM2143AD
MEMIO_CVDD_2.5V
LX901
TEM2143AD
QX901
UPC2925
CX902
16V 0.1uF
CX904
6.3V47uF
LX900
TEM2143AD
CX901
6.3V
B4.7uF
CX903
16V 0.1uF
CX922
6.3V 10uF
CX926
6.3V 22uF
36JW9UA
GENESIS REG
SH. NO.
18



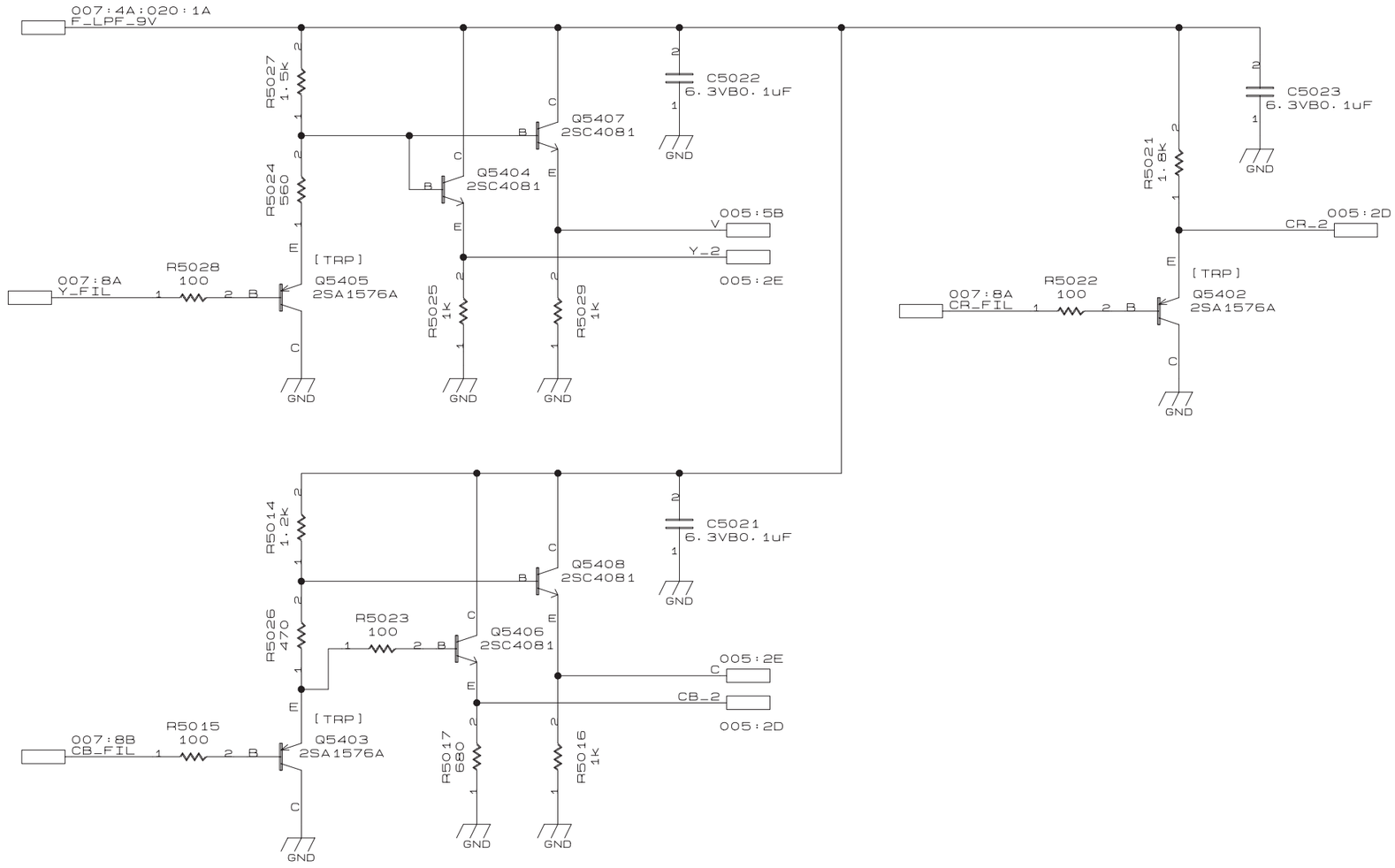
36JW9UA
RESET

SH. NO.
19



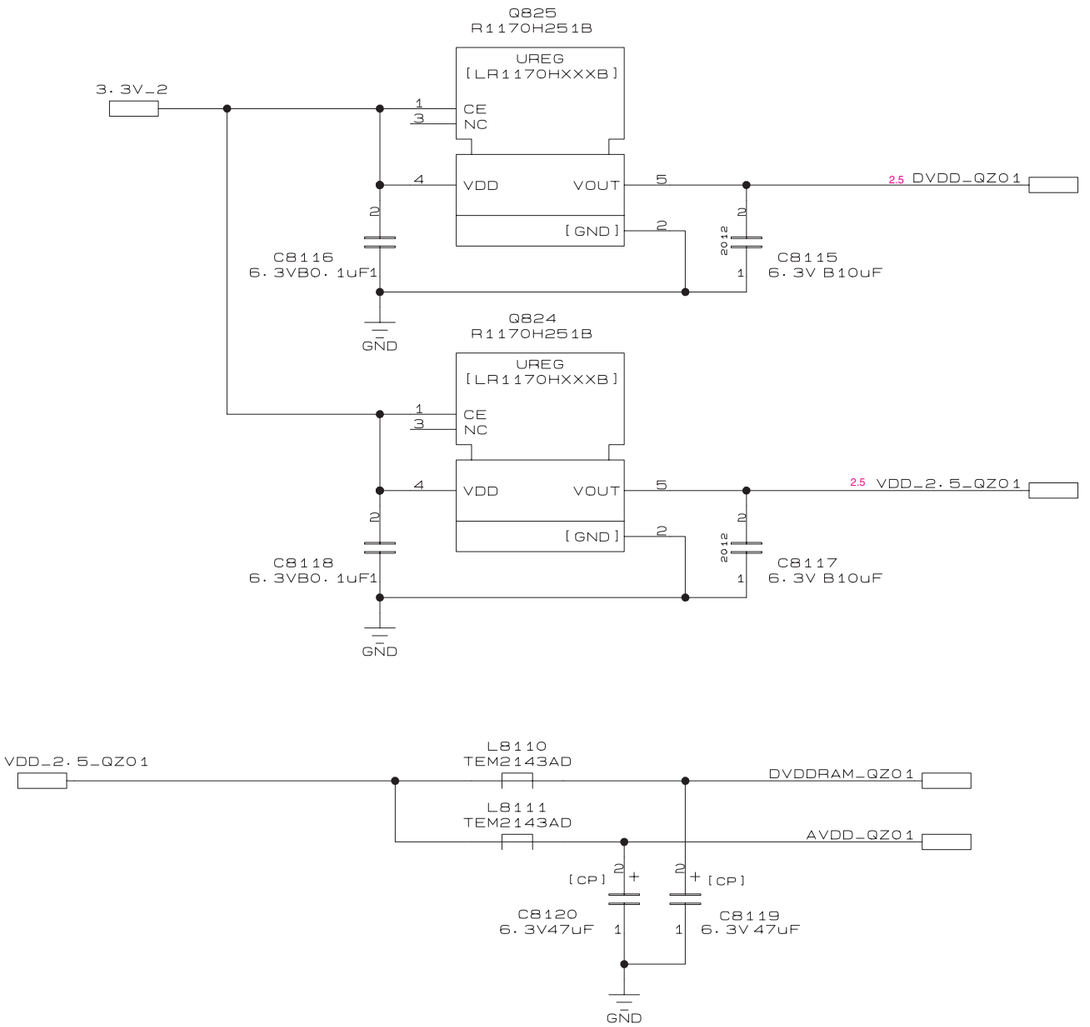
36JW9UA
SUB FILTER (1/2)
SHEET-1/2

SH. NO.
20



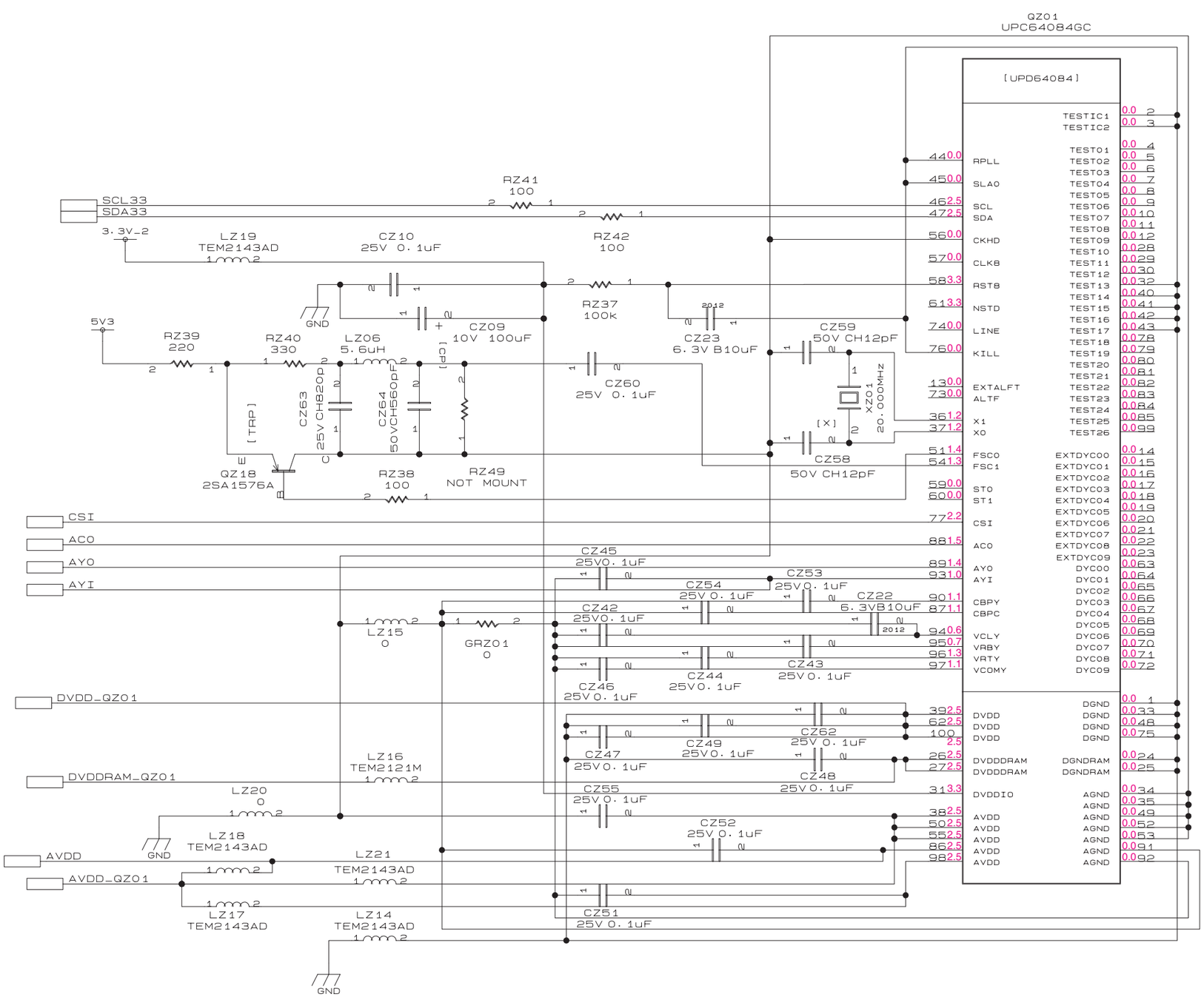
36JW9UA
SUB FILTER (2/2)
SHEET-2/2

SH. NO.
21



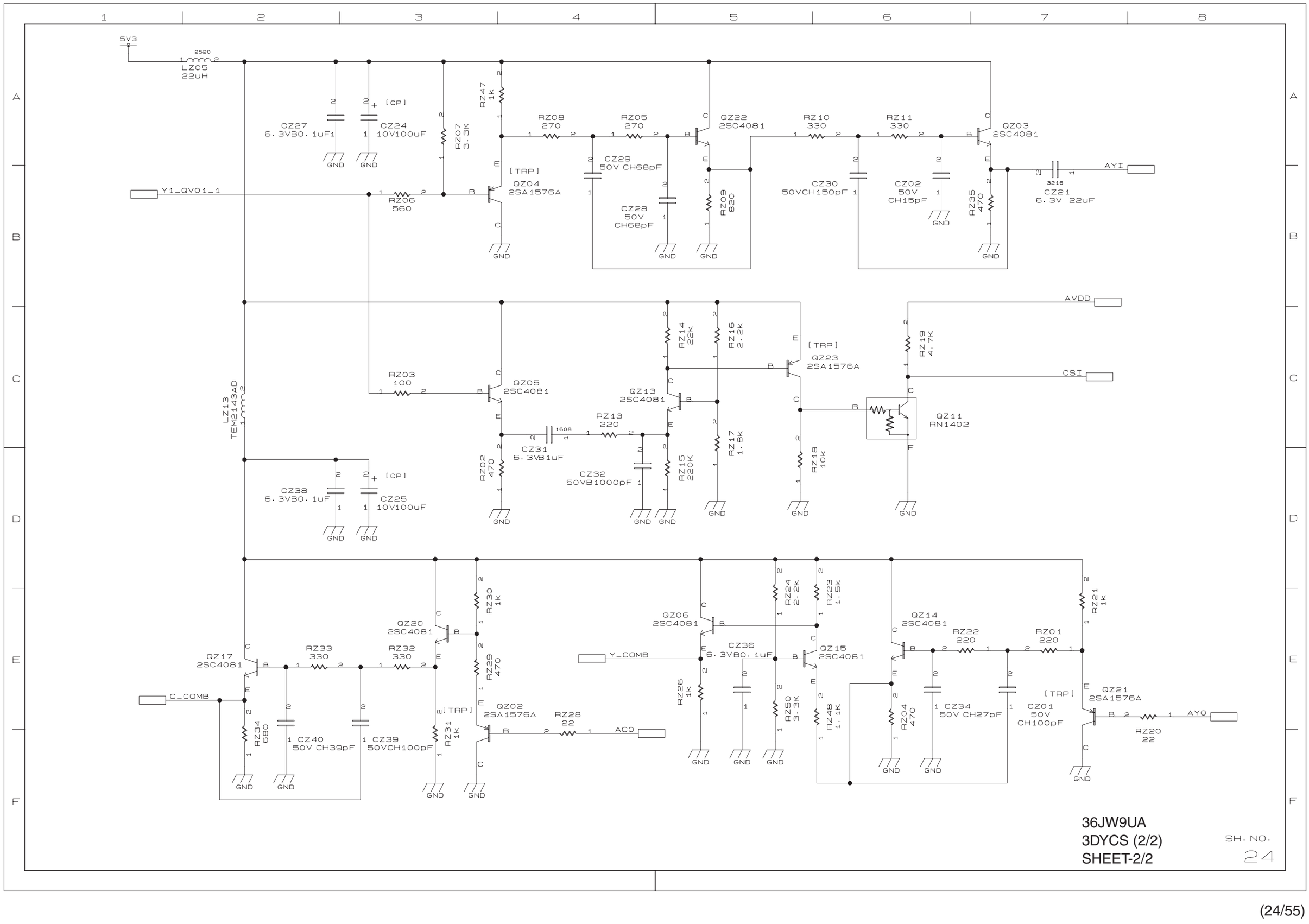
36JW9UA
3DYCS-REG

SH. NO.
22



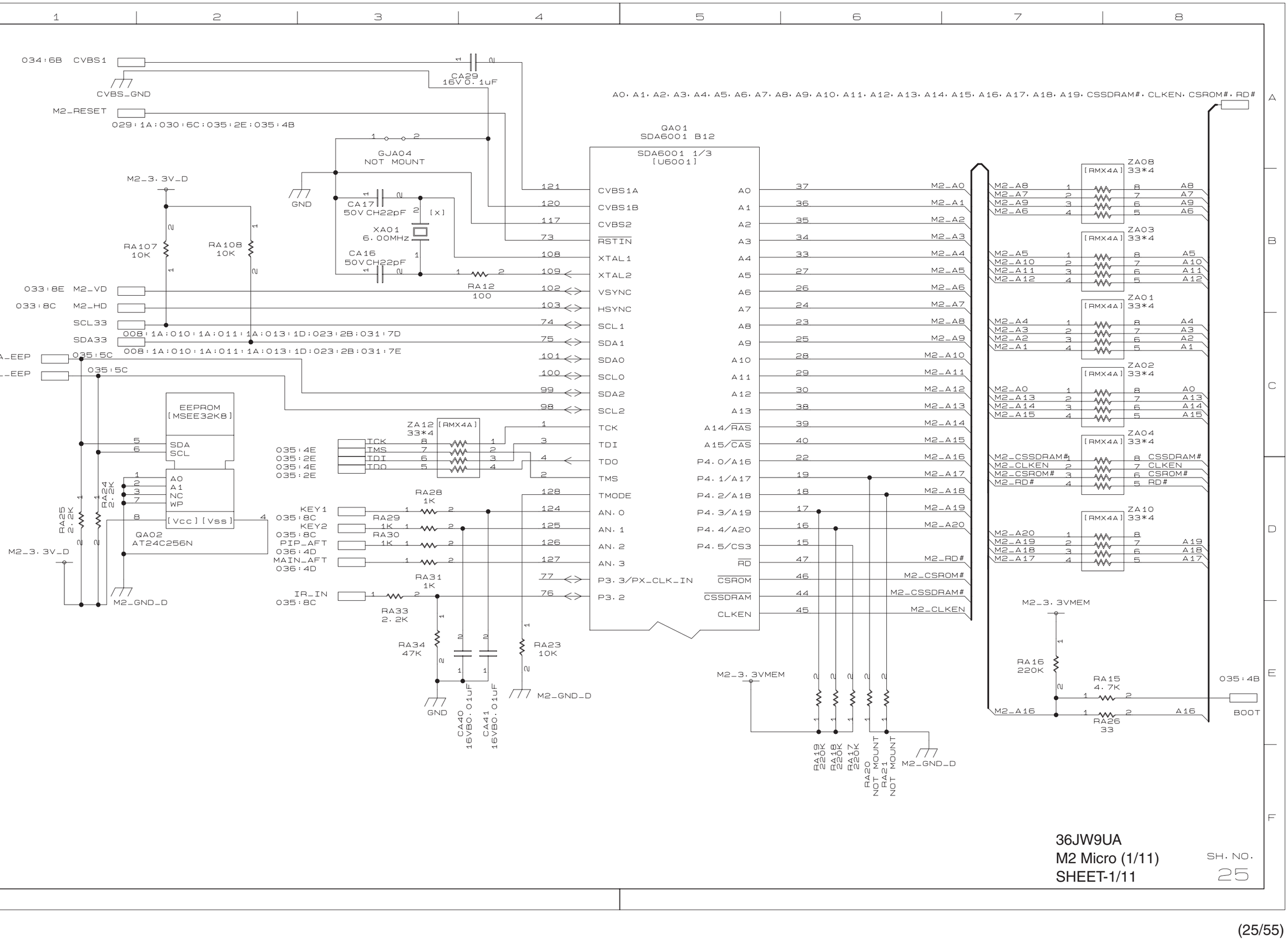
36JW9UA
3DYCS (1/2)
SHEET-1/2

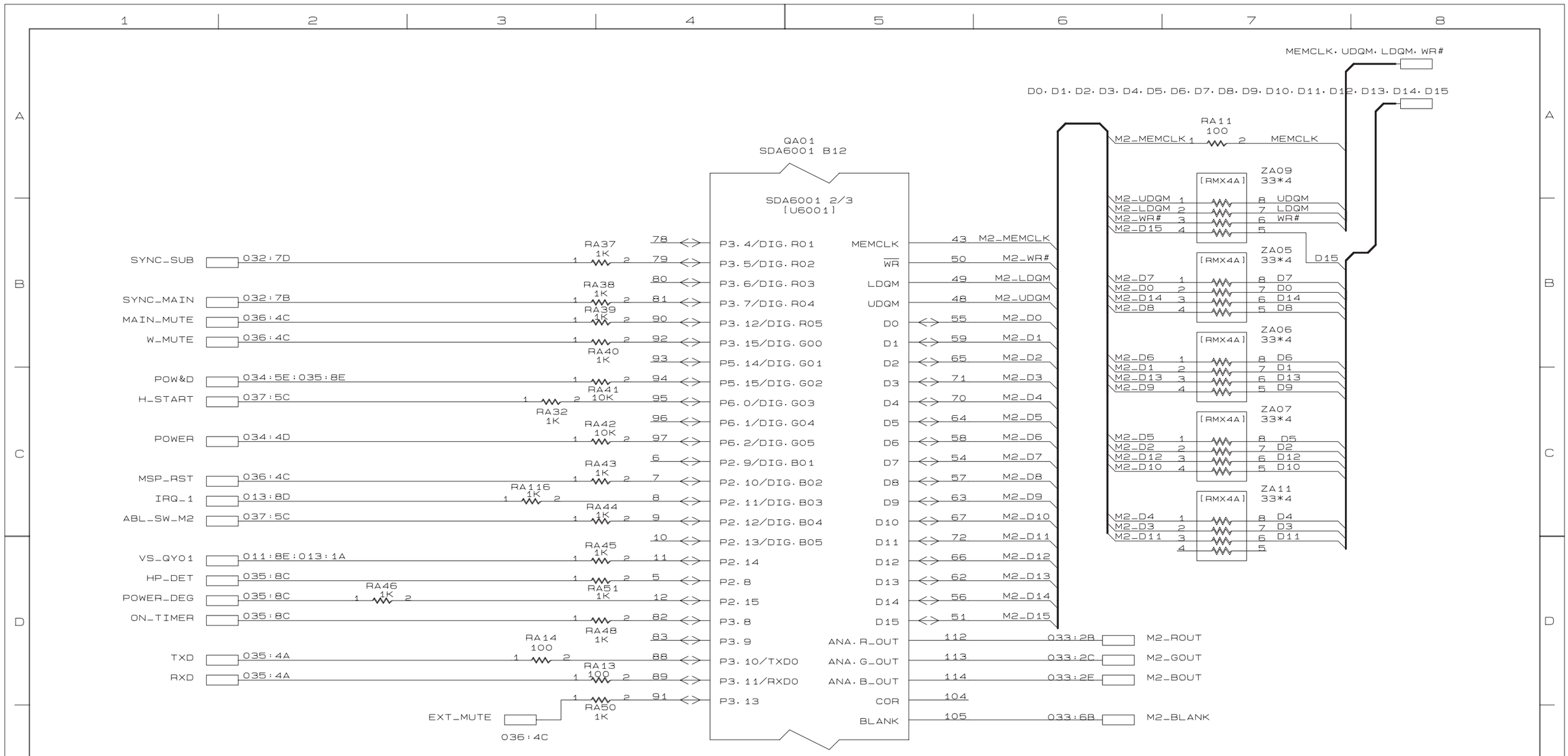
SH. NO.
23



36JW9UA
3DYCS (2/2)
SHEET-2/2

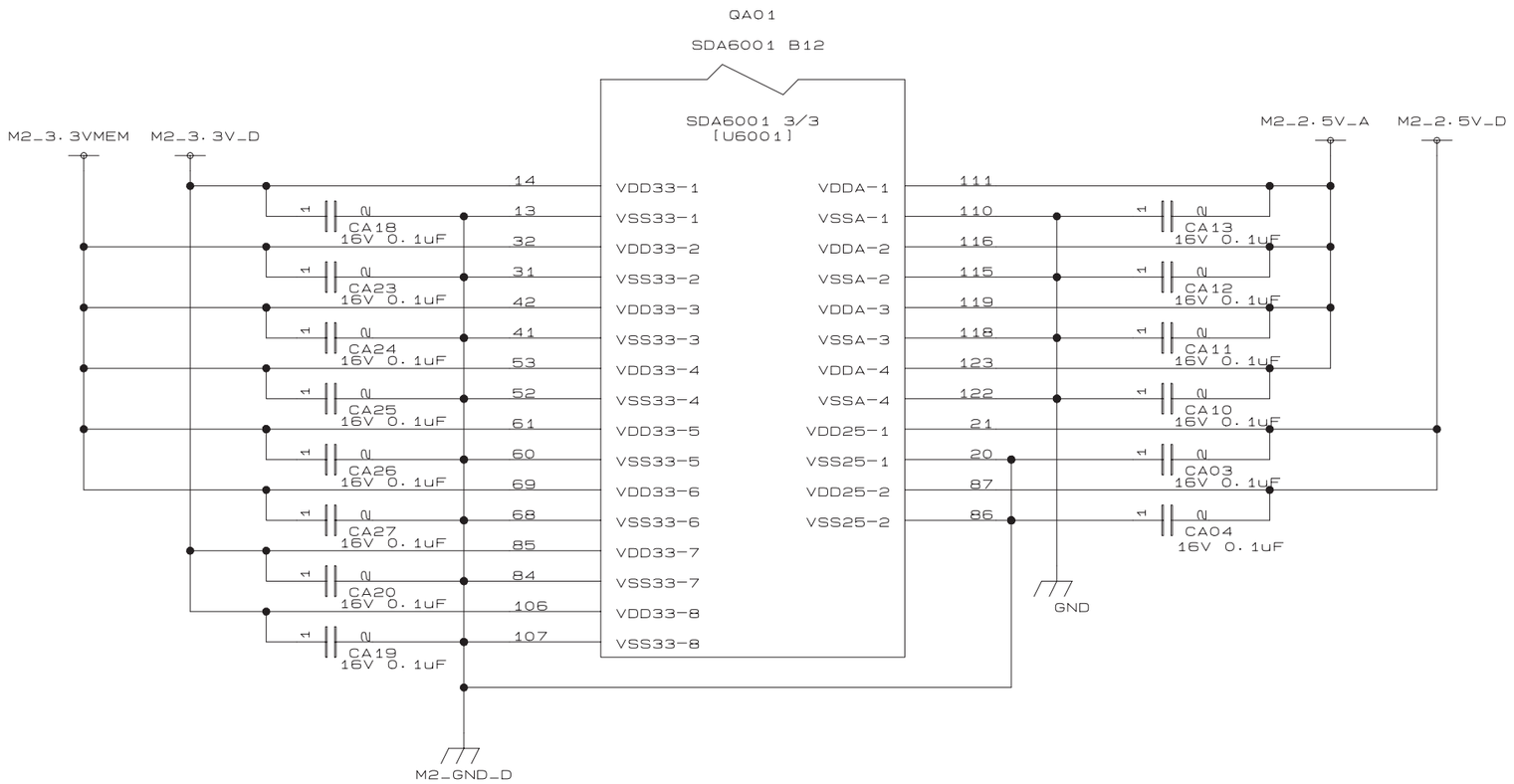
SH. NO.
24


034:6B CVBS1
CVBS_GND
CA29 16V 0.1uF
M2_RESET
029:1A:030:6C:035:2E:035:4B
GJA04 NOT MOUNT
M2_3.3V_D
GND
CA17 50V CH22pF
XA01 6.00MHz [X]
CA16 50V CH22pF
RA107 10K
RA108 10K
RA12 100
033:8E M2_VD
033:8C M2_HD
SCL33
SDA33
008:1A:010:1A:011:1A:013:1D:023:2B:031:7D
008:1A:010:1A:011:1A:013:1D:023:2B:031:7E
SDA_EEP
SCL_EEP
035:5C
035:5C
EEPROM [MSEE32K8]
SDA
SCL
A0
A1
NC
WP
[Vcc][Vss]
QA02 AT24C256N
RA24 2.2K
RA25 2.2K
M2_3.3V_D
M2_GND_D
ZA12 33*4 [RMX4A]
TCK
TMS
TDI
TDO
035:4E
035:2E
035:4E
035:2E
KEY1 035:8C
KEY2 035:8C
PIP_AFT 036:4D
MAIN_AFT 036:4D
IR_IN 035:8C
RA28 1K
RA29 1K
RA30 1K
RA31 1K
RA33 2.2K
RA34 47K
RA23 10K
CA40 16VBO.01uF
CA41 16VBO.01uF
GND
M2_GND_D
QA01
SDA6001 B12
SDA6001 1/3
[U6001]
121 CVBS1A
120 CVBS1B
117 CVBS2
73 RSTIN
108 XTAL1
109 XTAL2
102 VSYNC
103 HSYNC
74 SCL1
75 SDA1
101 SDA0
100 SCL0
99 SDA2
98 SCL2
1 TCK
3 TDI
4 TDO
2 TMS
128 TMODE
124 AN.0
125 AN.1
126 AN.2
127 AN.3
77 P3.3/PX_CLK_IN
76 P3.2
37 A0
36 A1
35 A2
34 A3
33 A4
27 A5
26 A6
24 A7
23 A8
25 A9
28 A10
29 A11
30 A12
38 A13
39 A14/RAS
40 A15/CAS
22 P4.0/A16
19 P4.1/A17
18 P4.2/A18
17 P4.3/A19
16 P4.4/A20
15 P4.5/CS3
47 RD
46 CSROM
44 CSSDRAM
45 CLKEN
M2_3.3VMEM
RA19 220K
RA18 220K
RA17 220K
RA20 NOT MOUNT
RA21 NOT MOUNT
M2_GND_D
A0, A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, A13, A14, A15, A16, A17, A18, A19, CSSDRAM#, CLKEN, CSROM#, RD#
M2_A0 M2_A1 M2_A2 M2_A3 M2_A4 M2_A5 M2_A6 M2_A7 M2_A8 M2_A9 M2_A10 M2_A11 M2_A12 M2_A13 M2_A14 M2_A15 M2_A16 M2_A17 M2_A18 M2_A19 M2_A20 M2_RD# M2_CSROM# M2_CSSDRAM# M2_CLKEN
ZA08 33*4 [RMX4A]
M2_A8 M2_A7 M2_A9 M2_A6 A8 A7 A9 A6
ZA03 33*4 [RMX4A]
M2_A5 M2_A10 M2_A11 M2_A12 A5 A10 A11 A12
ZA01 33*4 [RMX4A]
M2_A4 M2_A3 M2_A2 M2_A1 A4 A3 A2 A1
ZA02 33*4 [RMX4A]
M2_A0 M2_A13 M2_A14 M2_A15 A0 A13 A14 A15
ZA04 33*4 [RMX4A]
M2_CSSDRAM# M2_CLKEN M2_CSROM# M2_RD# CSSDRAM# CLKEN CSROM# RD#
ZA10 33*4 [RMX4A]
M2_A20 M2_A19 M2_A18 M2_A17 A19 A18 A17
M2_3.3VMEM
RA16 220K
RA15 4.7K
RA26 33
M2_A16
A16
035:4B
BOOT
36JW9UA
M2 Micro (1/11)
SHEET-1/11
SH. NO.
25



36JW9UA
M2 Micro (2/11)
SHEET-2/11

SH. NO.
26



36JW9UA
M2 Micro (3/11)
SHEET-3/11

SH. NO.
27

D0. D1. D2. D3. D4. D5. D6. D7. D8. D9. D10. D11. D12. D13. D14. D15. MEMCLK. LDQM. UDQM

QA04
HA57V641620HGTP-H

[MSSD4M16]
DRAM 4Mx16

A0. A1. A2. A3. A4. A5. A6. A7. A8. A9. A10. A11. A12. A13. A14. A15. CSSDRAM#. WR#. CLKEN

A0	23	A0
A1	24	A1
A2	25	A2
A3	26	A3
A4	29	A4
A5	30	A5
A6	31	A6
A7	32	A7
A8	33	A8
A9	34	A9
A10	22	A10/AP
A11	35	A11
A12	20	BS0
A13	21	BS1
CSSDRAM#	19	CS#
A14	18	RAS#
A15	17	CAS#
WR#	16	WE#
LDQM	15	LDQM
UDQM	39	UDQM
MEMCLK	38	CLK
CLKEN	37	CKE
[NC]	40	
[NC]	36	

M2_3.3VMEM

LA03
TEM2130AM

GJA01
O

RA22
NOT MOUNT

CA39
NOT MOUNT

M2_GND_D

[0] D	2	D0
[1] D	4	D1
[2] D	5	D2
[3] D	7	D3
[4] D	8	D4
[5] D	10	D5
[6] D	11	D6
[7] D	13	D7
[8] D	42	D8
[9] D	44	D9
[10] D	45	D10
[11] D	47	D11
[12] D	48	D12
[13] D	50	D13
[14] D	51	D14
[15] D	53	D15

[RMX4A]
ZA13 33*4
ZA14 33*4
ZA15 33*4
ZA16 33*4

CA30 16V 0.1uF
CA31 16V 0.1uF
CA32 16V 0.1uF
CA33 16V 0.1uF
CA34 16V 0.1uF
CA35 16V 0.1uF
CA38 16V 0.1uF

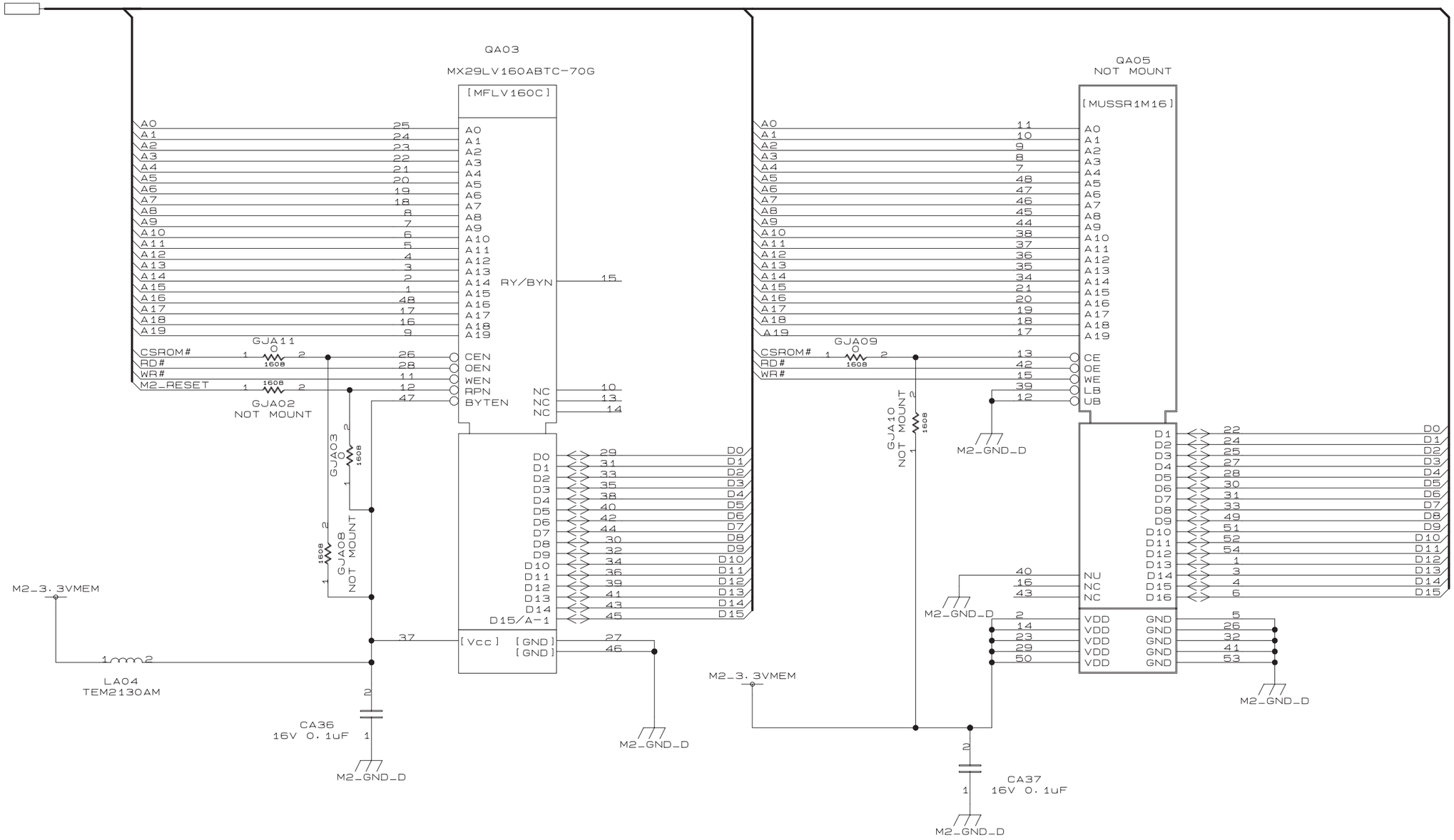
VDD	1	
VDD	14	
VDD	27	
VDDQ	3	
VDDQ	9	
VDDQ	43	
VDDQ	49	
VSS	28	
VSS	41	
VSS	54	
VSSQ	6	
VSSQ	12	
VSSQ	46	
VSSQ	52	

M2_GND_D

36JW9UA
M2 Micro (4/11)
SHEET-4/11

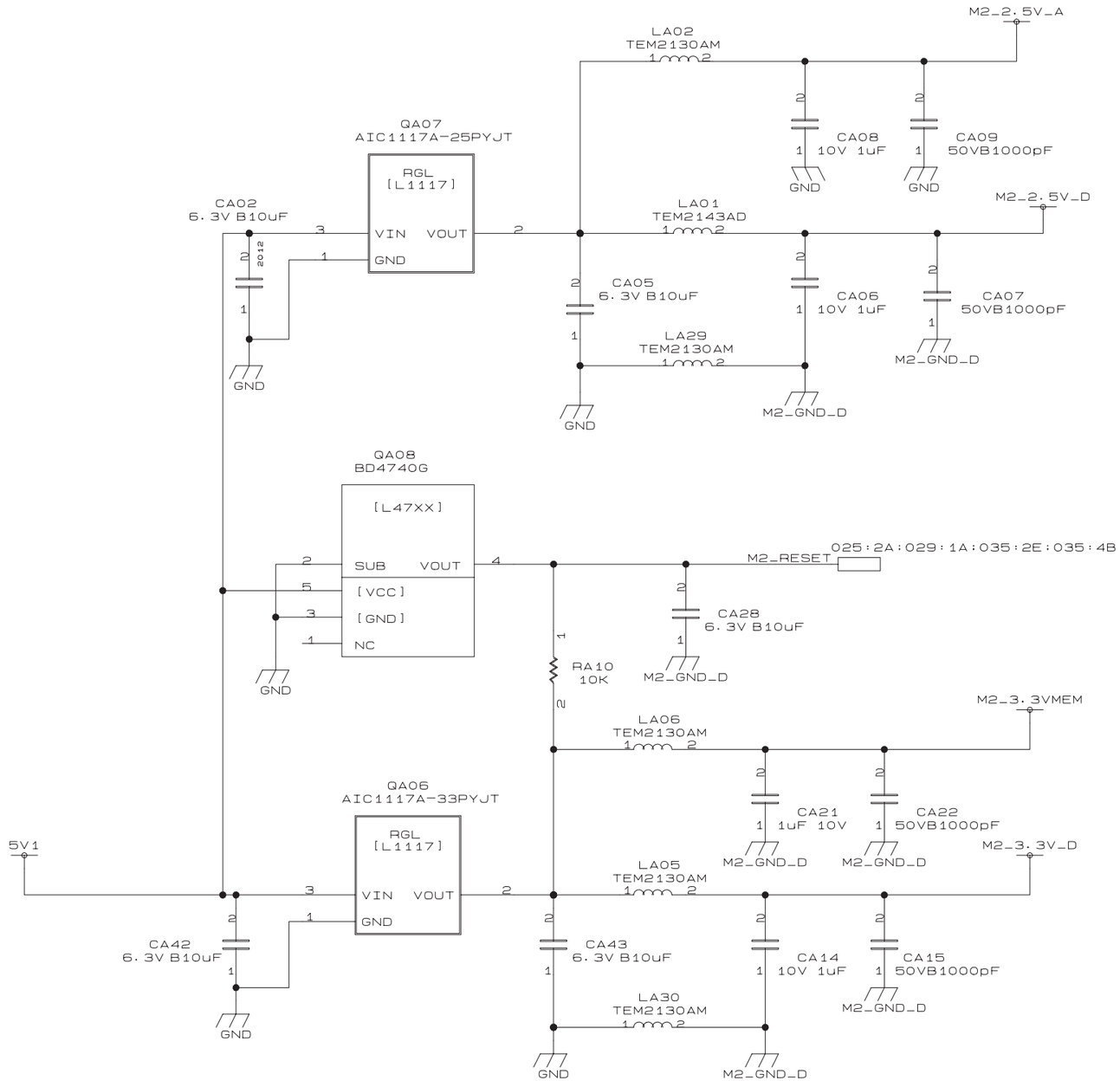
SH. NO.
28

A0. A1. A2. A3. A4. A5. A6. A7. A8. A9. A10. A11. A12. A13. A14. A15. A16. A17. A18. A19. CSROM#. D0. D1. D2. D3. D4. D5. D6. D7. D8. D9. D10. D11. D12. D13. D14. D15. RD#. M2_RESET. WR#



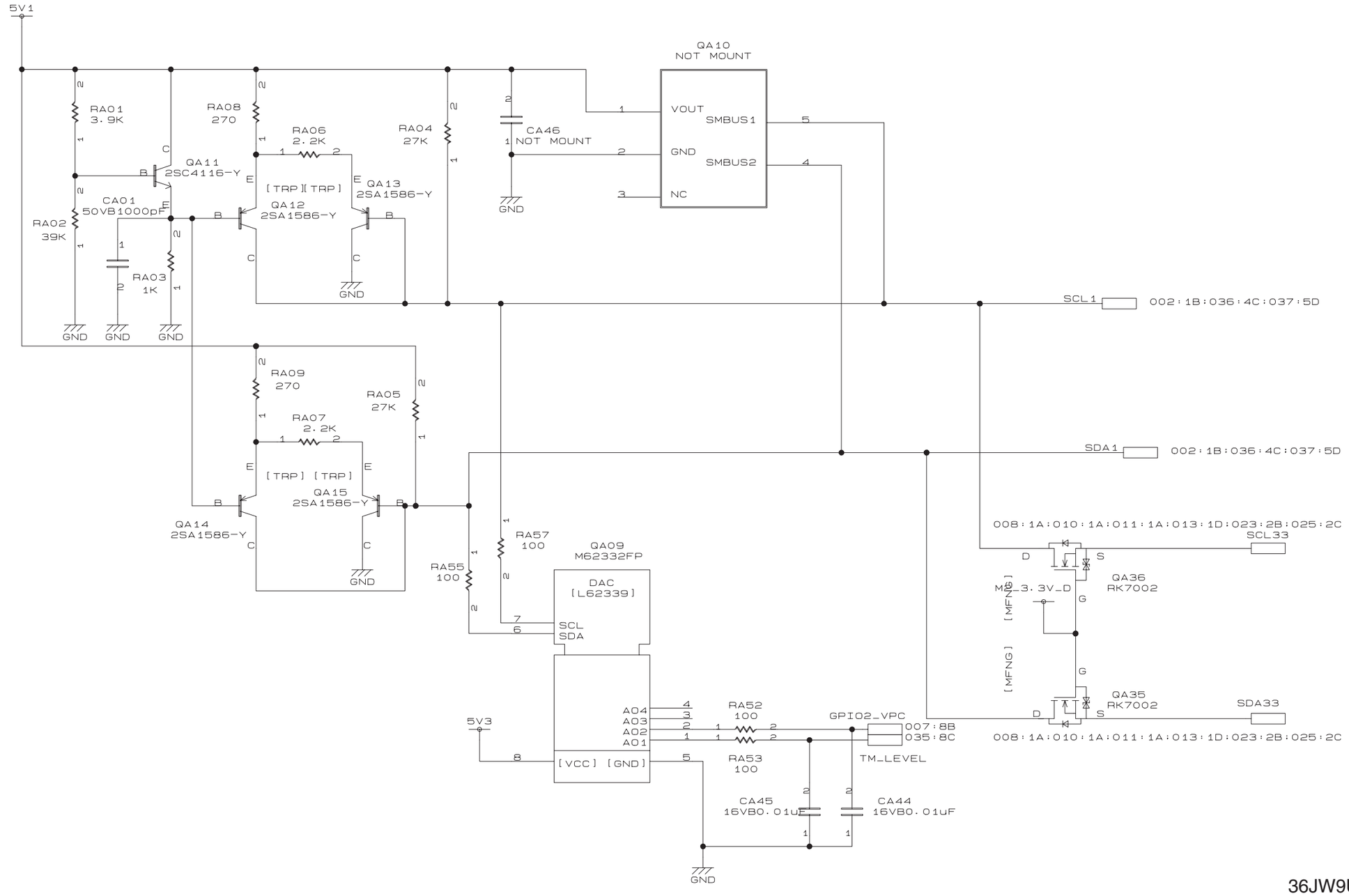
36JW9UA
M2 Micro (5/11)
SHEET-5/11

SH. NO.
29



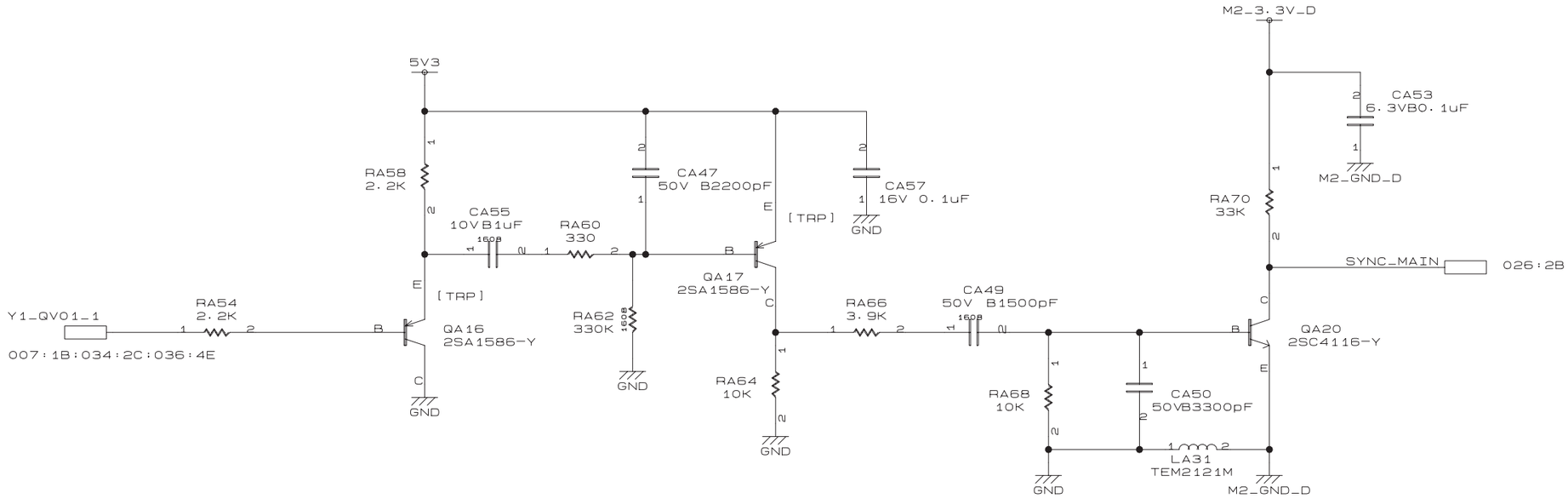
36JW9UA
M2 Micro (6/11)
SHEET-6/11

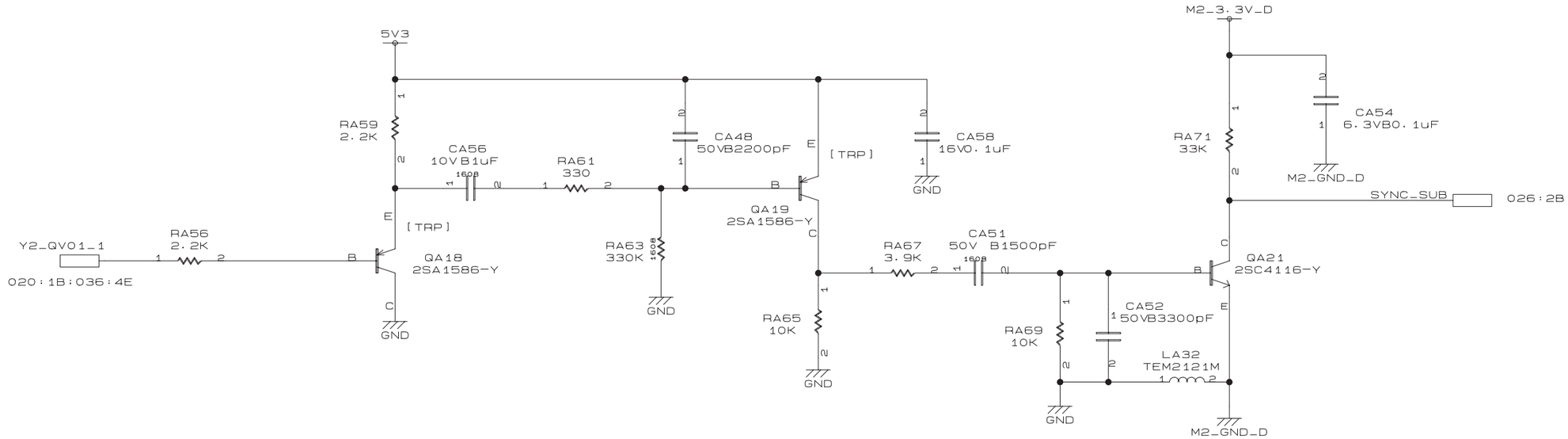
SH. NO.
30



36JW9UA
M2 Micro (7/11)
SHEET-7/11

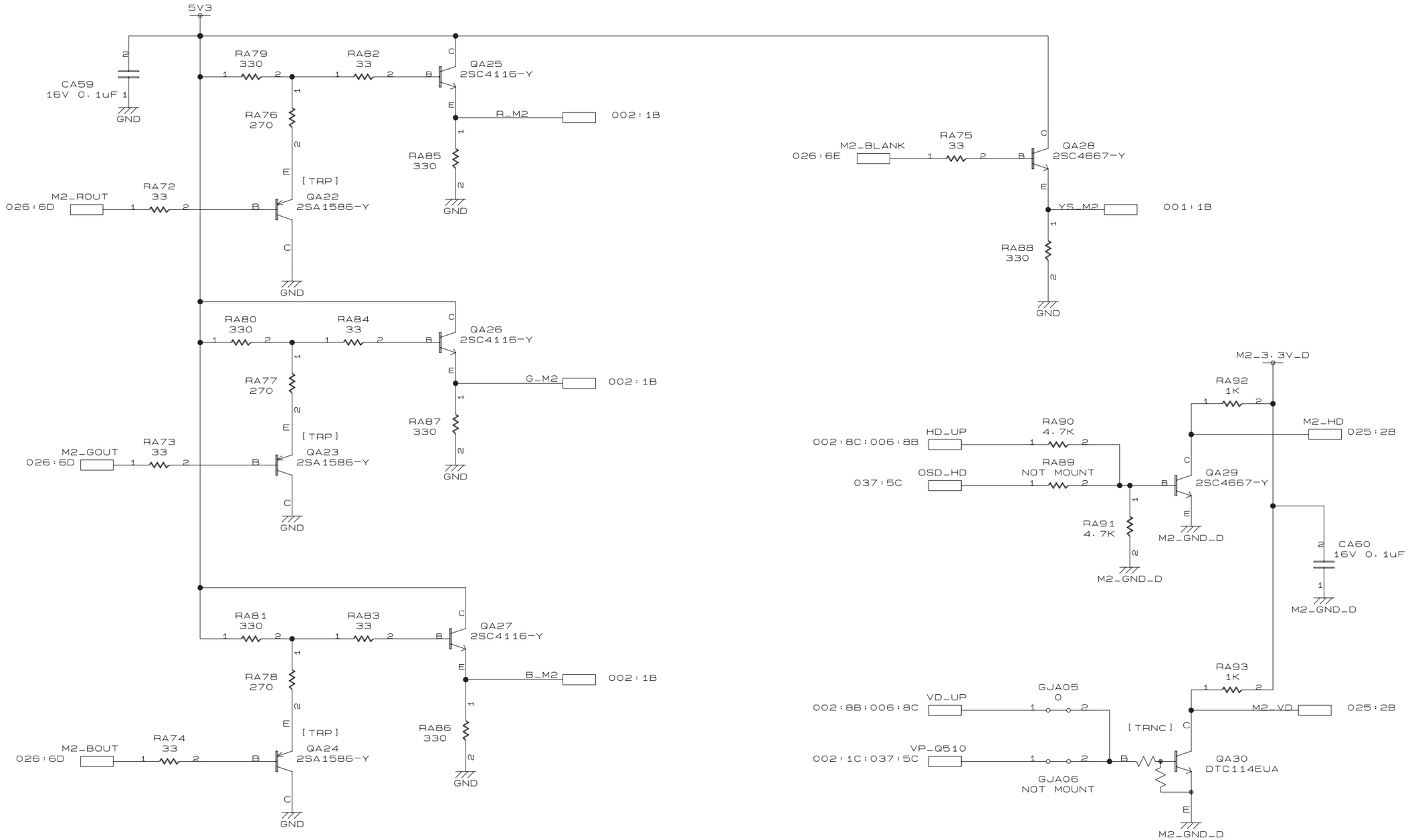
SH. NO.
31





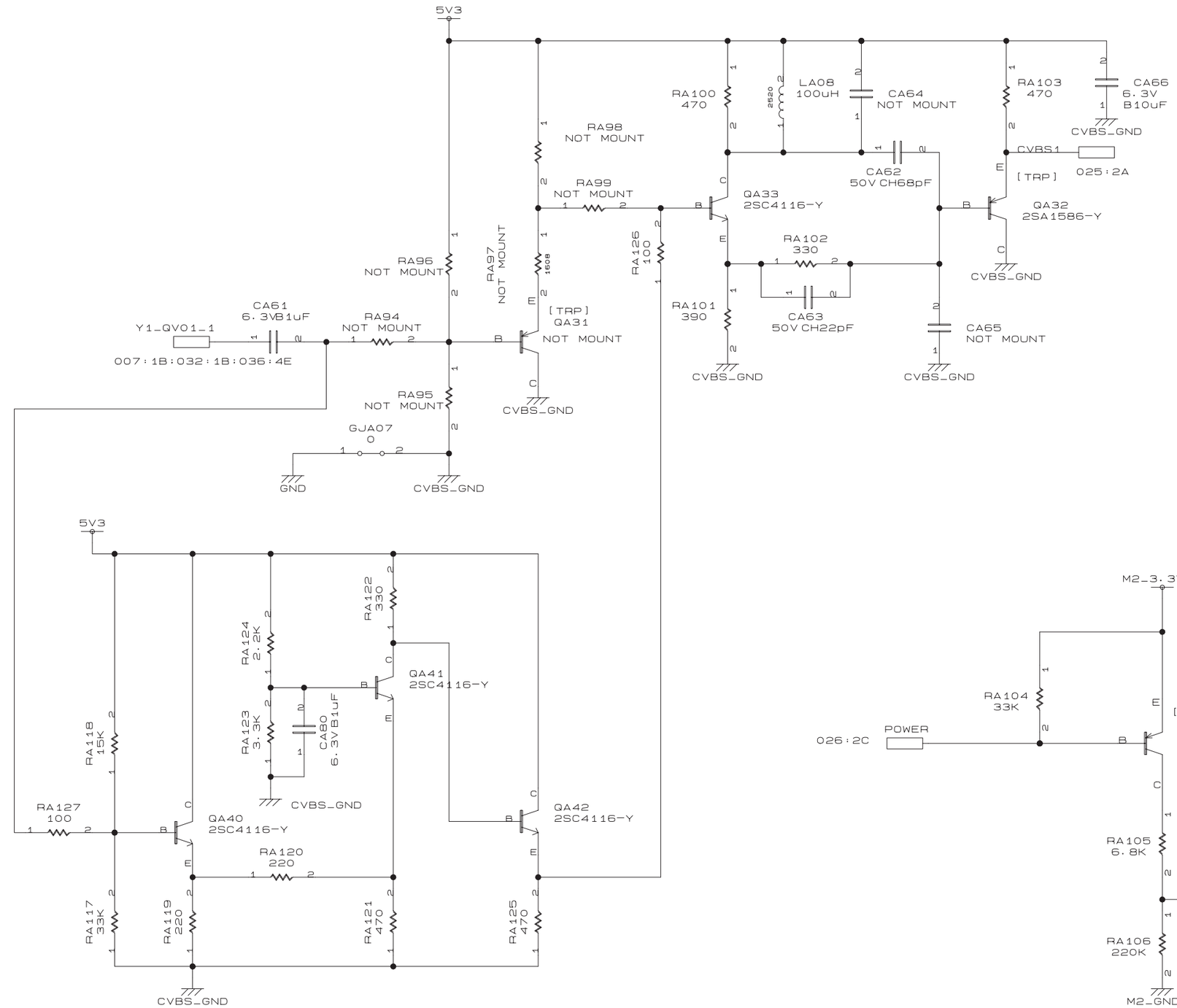
36JW9UA
M2 Micro (8/11)
SHEET-8/11

SH. NO.
32



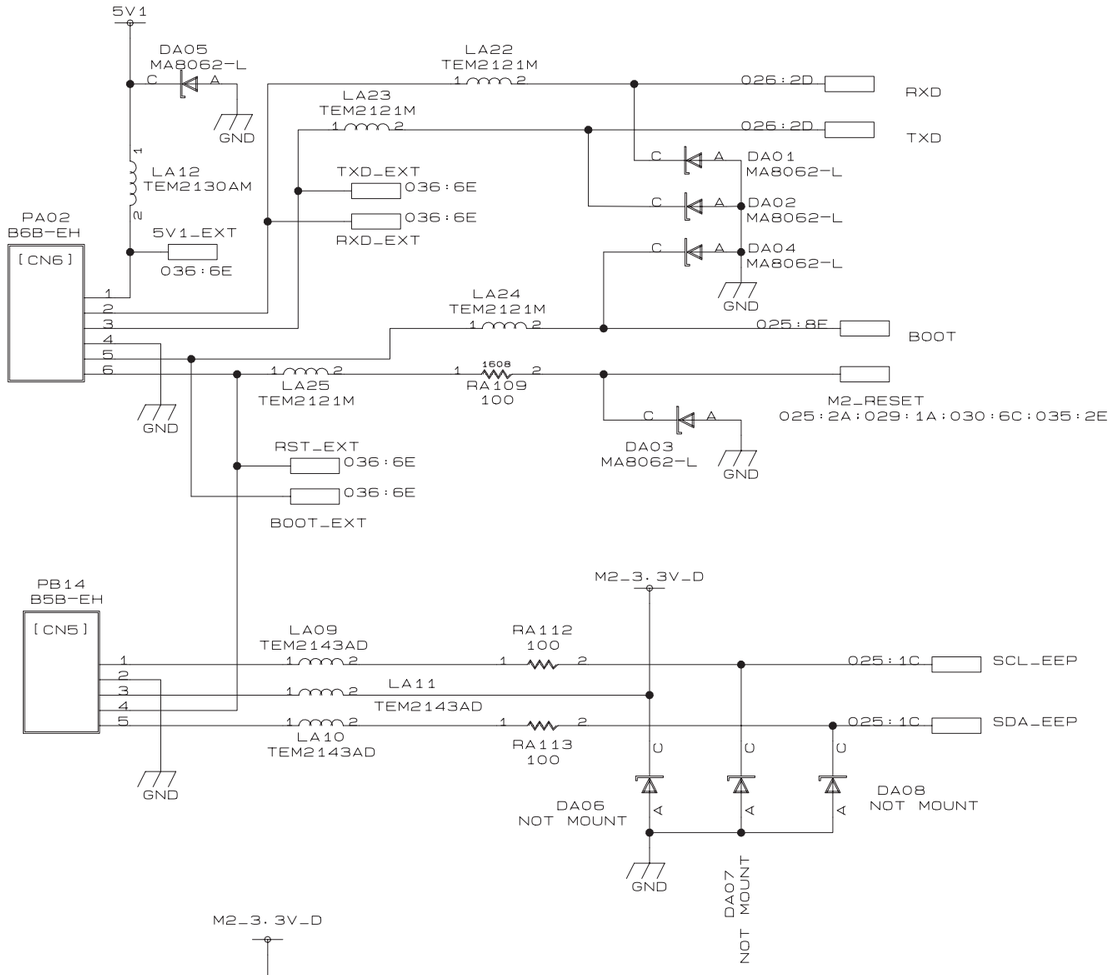
36JW9UA
M2 Micro (9/11)
SHEET-9/11

SH. NO.
33



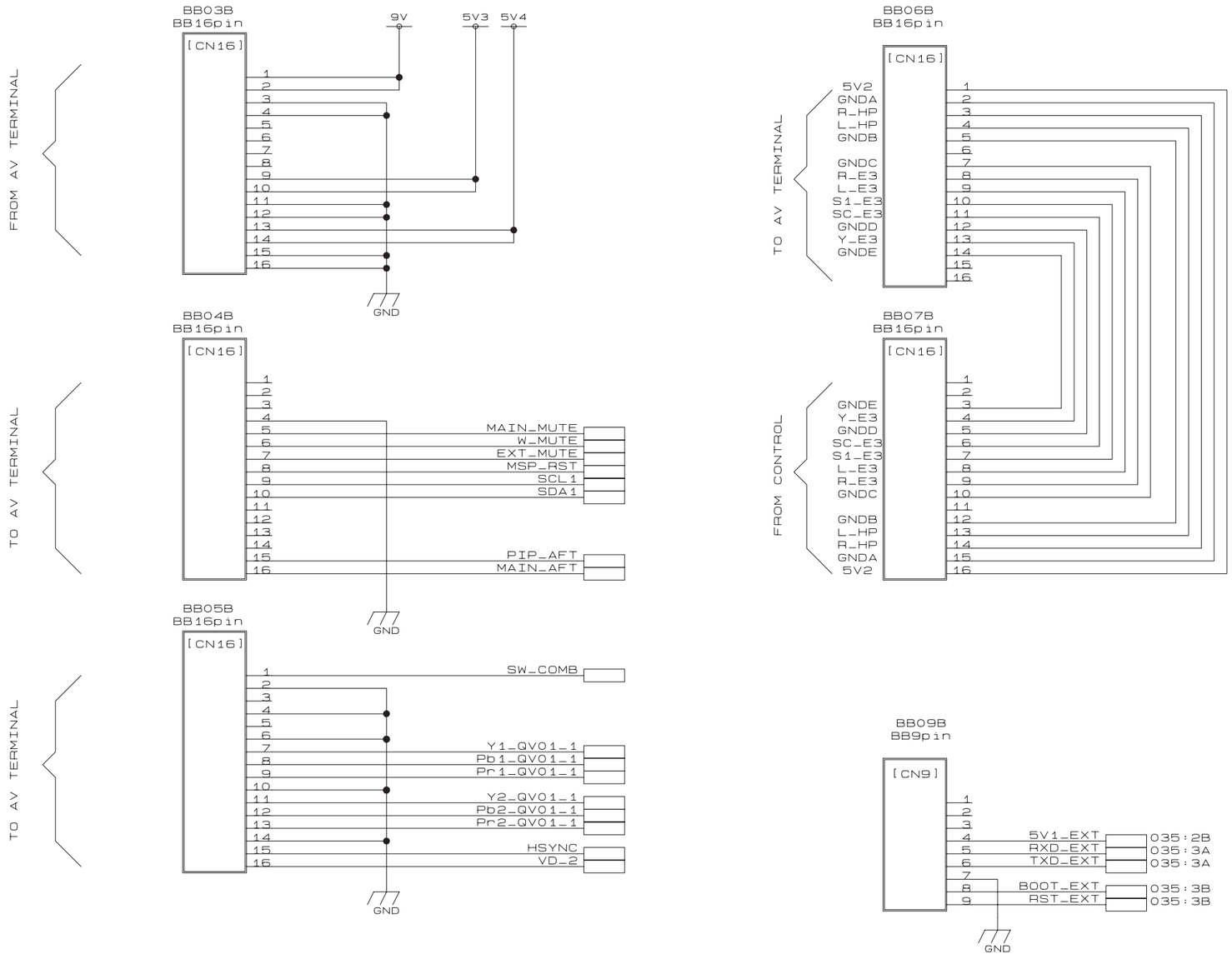
36JW9UA
M2 Micro (10/11)
SHEET-10/11

SH. NO.
34



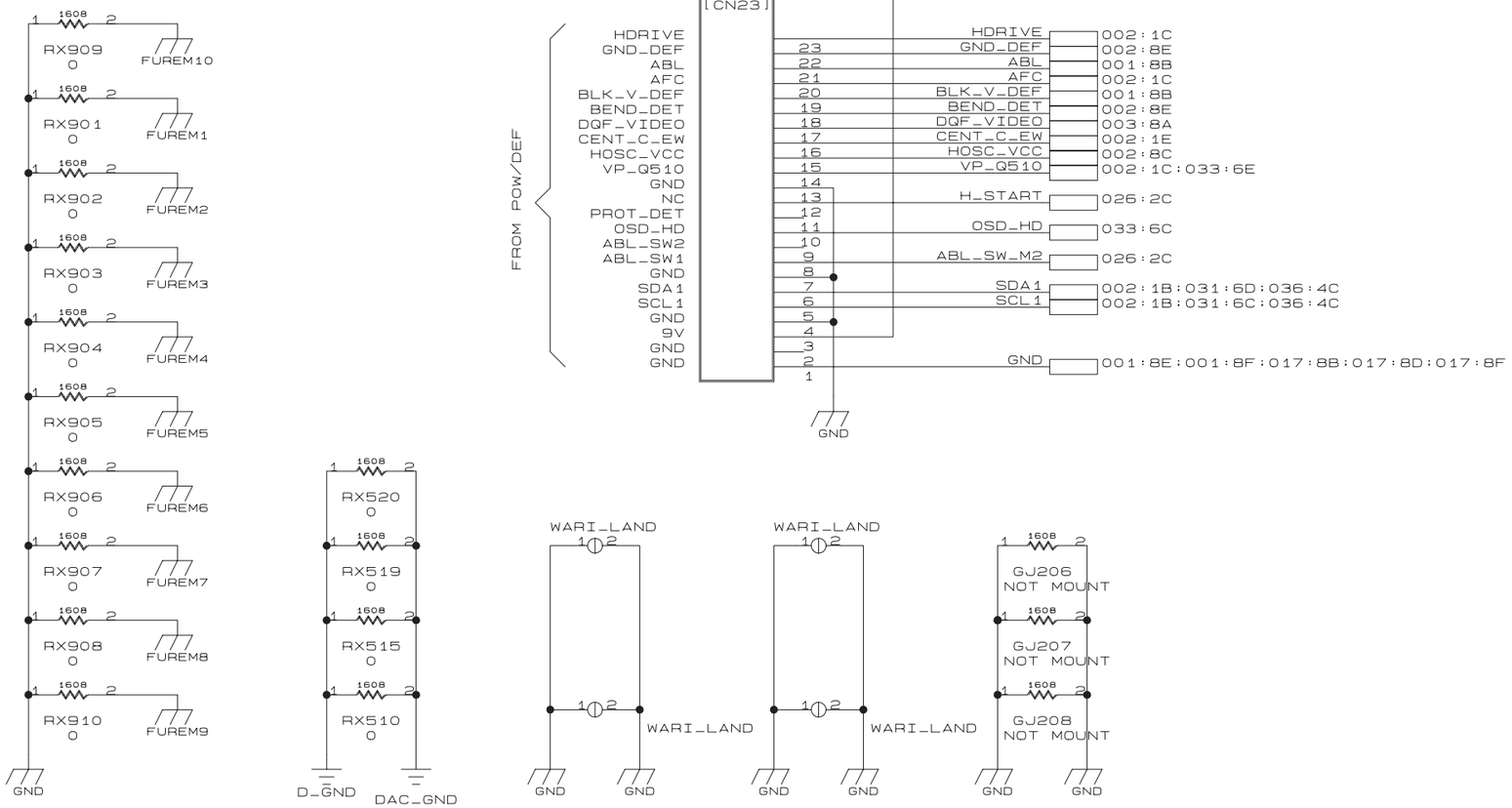
36JW9UA
M2 Micro (11/11)
SHEET-11/11

SH. NO.
35



36JW9UA
Connector (1/2)
SHEET-1/2

SH. NO.
36



36JW9UA
Connector (2/2)
SHEET-2/2

SH. NO.
37

H/S

DY

CRT-D

CRT-D

CONTROL

TO CHOKE UNIT

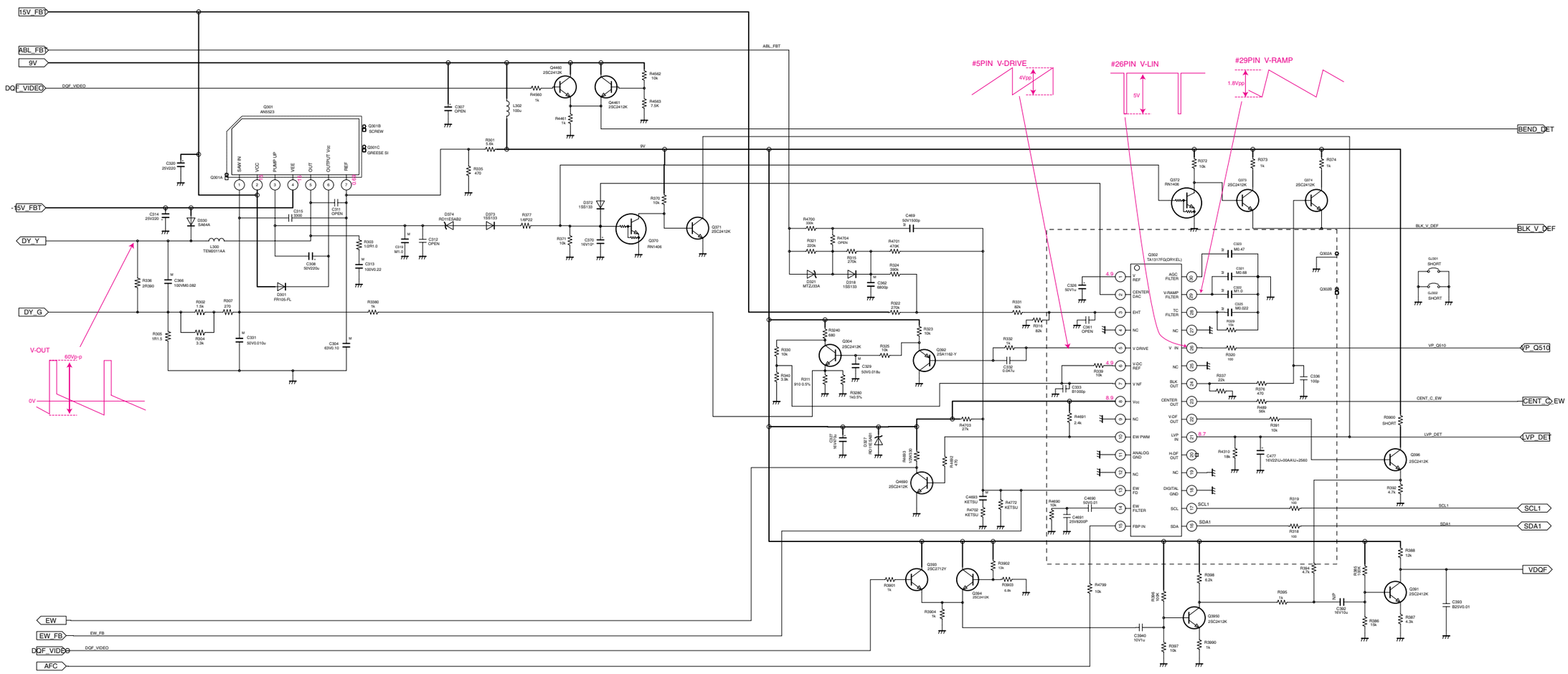
TO CONTROL BOARD

TO AV TERMINAL BOARD

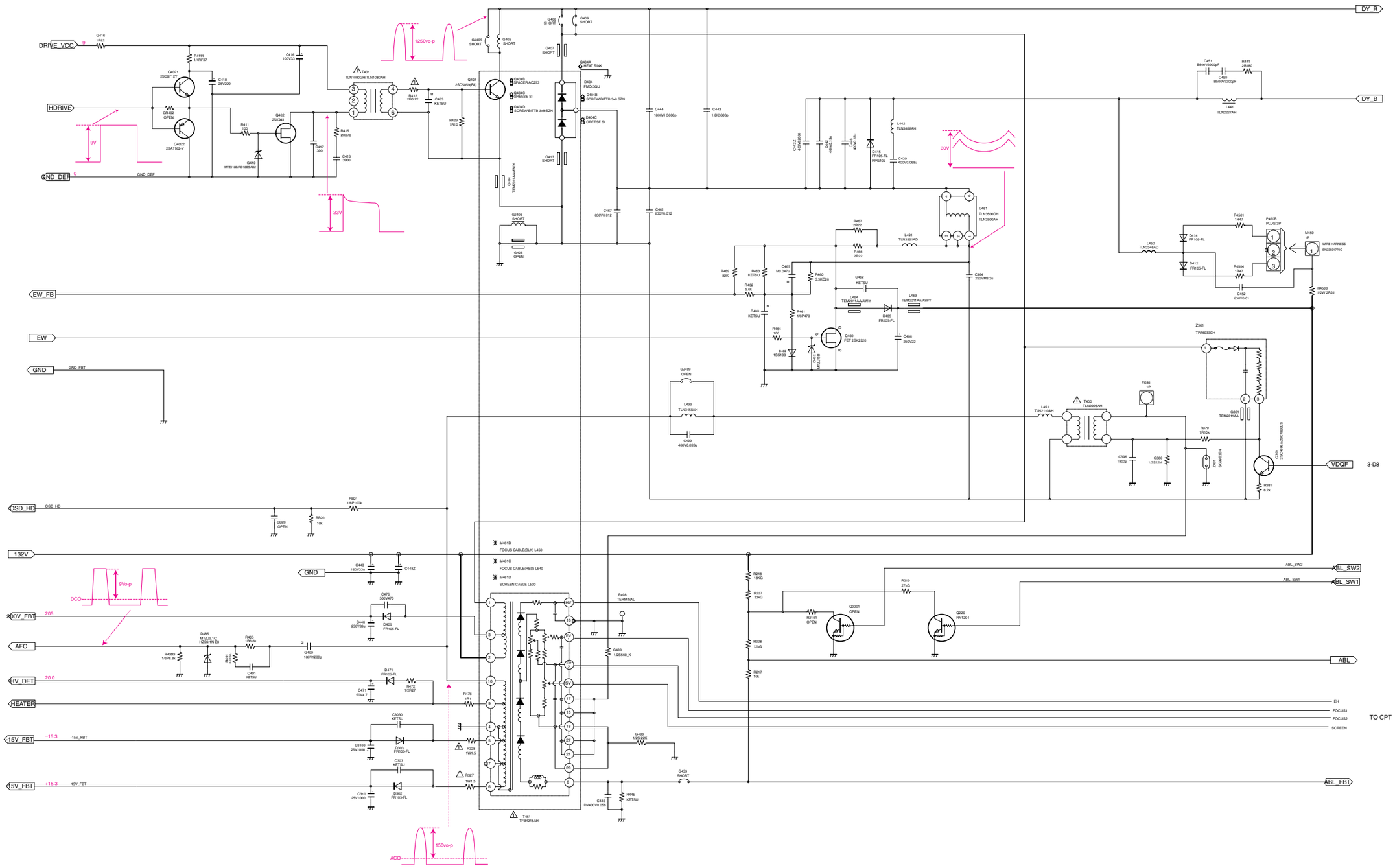
TO HYPER SIGNAL

FROM CONTROL BOARD

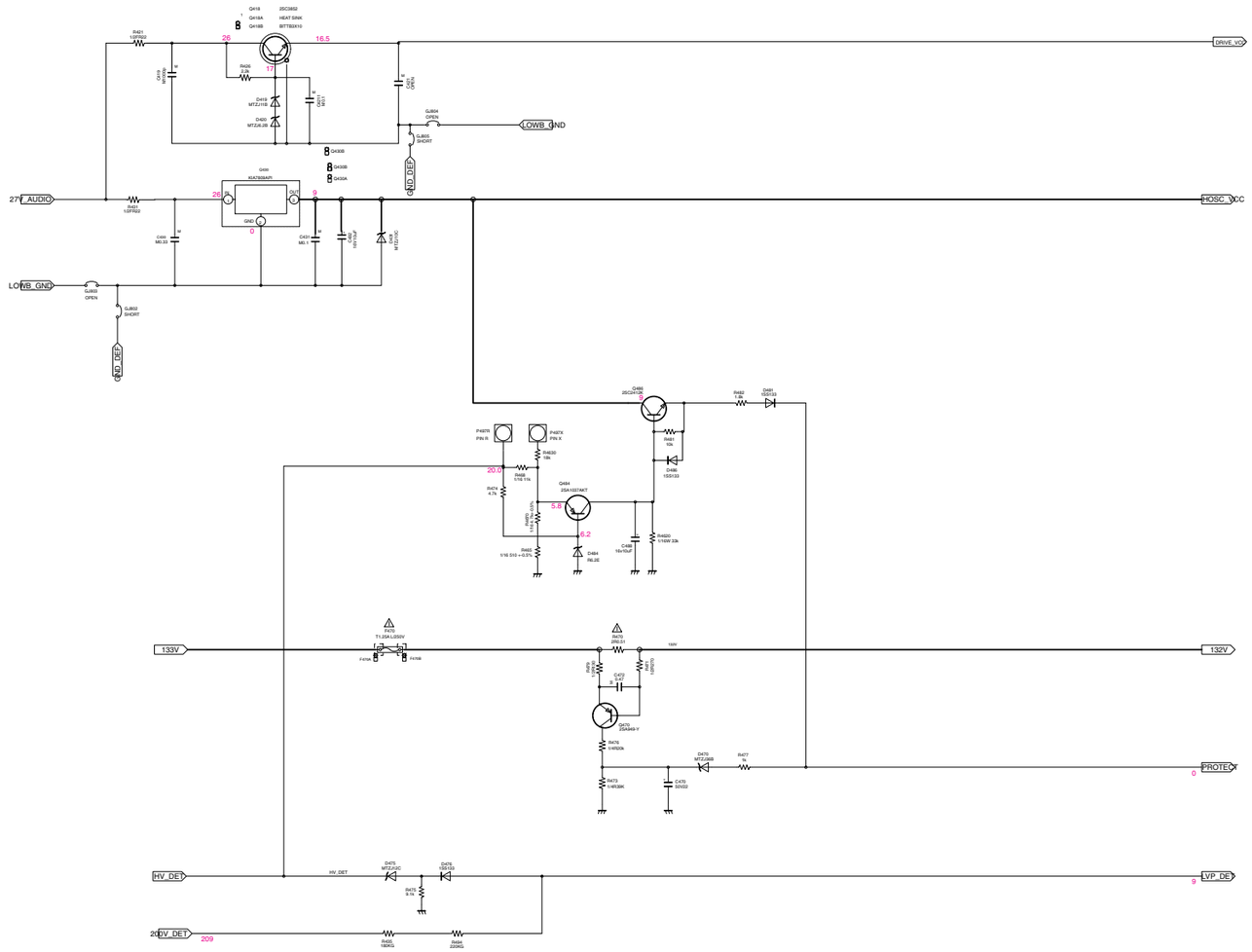
36JW9UA
POWER DEF (1)
SHEET-1/5



36JW9UA
POWER DEF (EW VERT) (3)
SHEET-2/5



36JW9UA
POWER DEF (HORIZONTAL)(4)
SHEET-3/5



36JW9UA
POWER DEF (PROTECT) (6)
SHEET-4/5

COLD

TO/A TERMINAL PWBA

AC_CORD_A

AC_CORD_B

AC_LINE_A1

AC_LINE_B1

TO CHOKE UNIT

AC_LINE_A2_CHOKE_A

CHOKE_A

FROM CONTROL BOARD

AC_LINE_A2_CHOKE_A

AC_LINE_B2

TO HYPER SIGNAL

5V1

GND_A

POWER

PHOTET

5V1 8-B12

27V_AUDIO 8-D11

27V_AUDIO 8-D11

GND_A 8-D11

GND_A

32V

12V 8-F11

12V

LOWB_GND 8-E11

IF_GND

8V 8-E11

8V

8V

LOWB_GND 8-E11

LOWB_GND

LOWB_GND

133V

GND

12V 8-D11

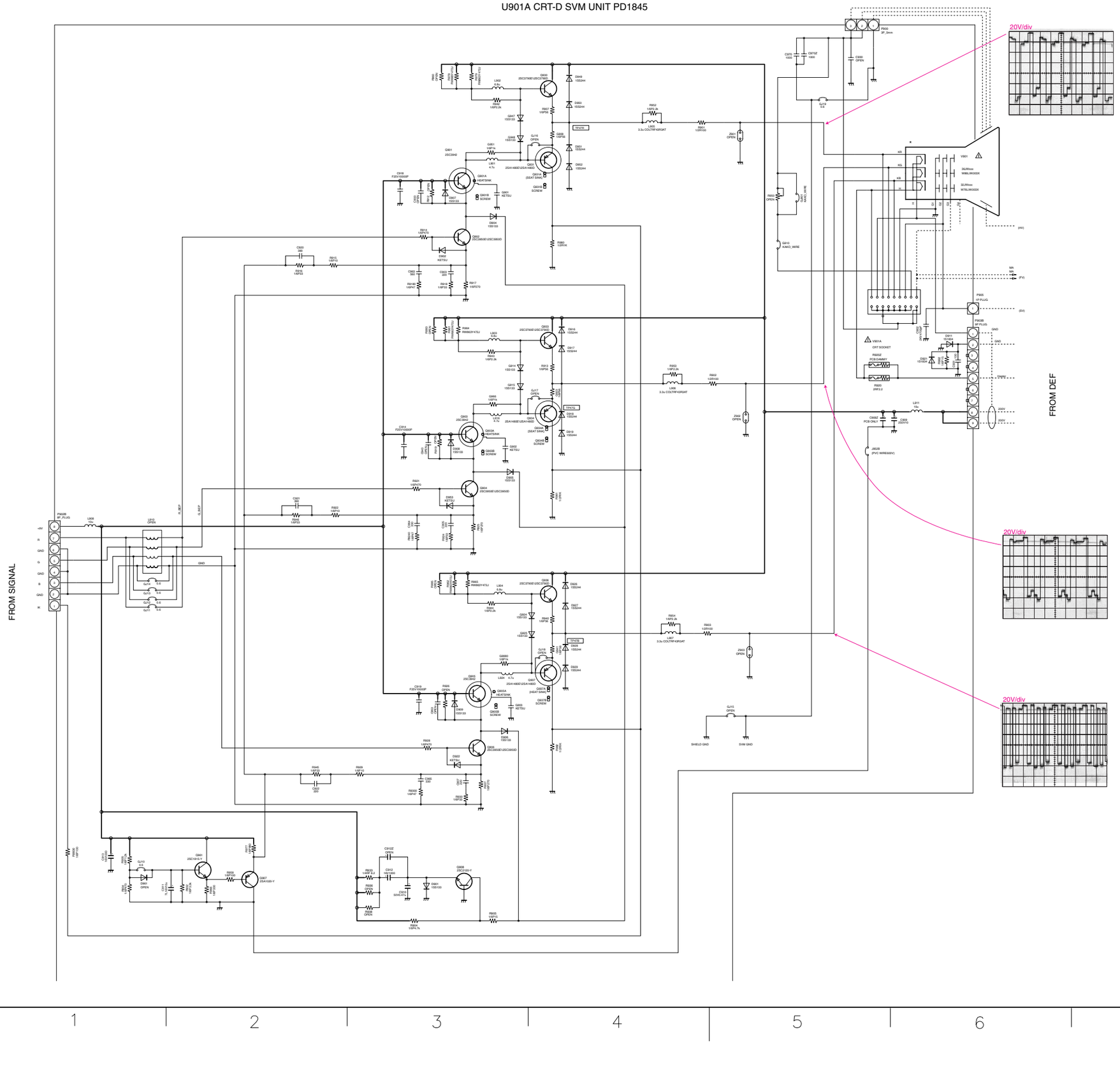
TO/A TERMINAL BOARD

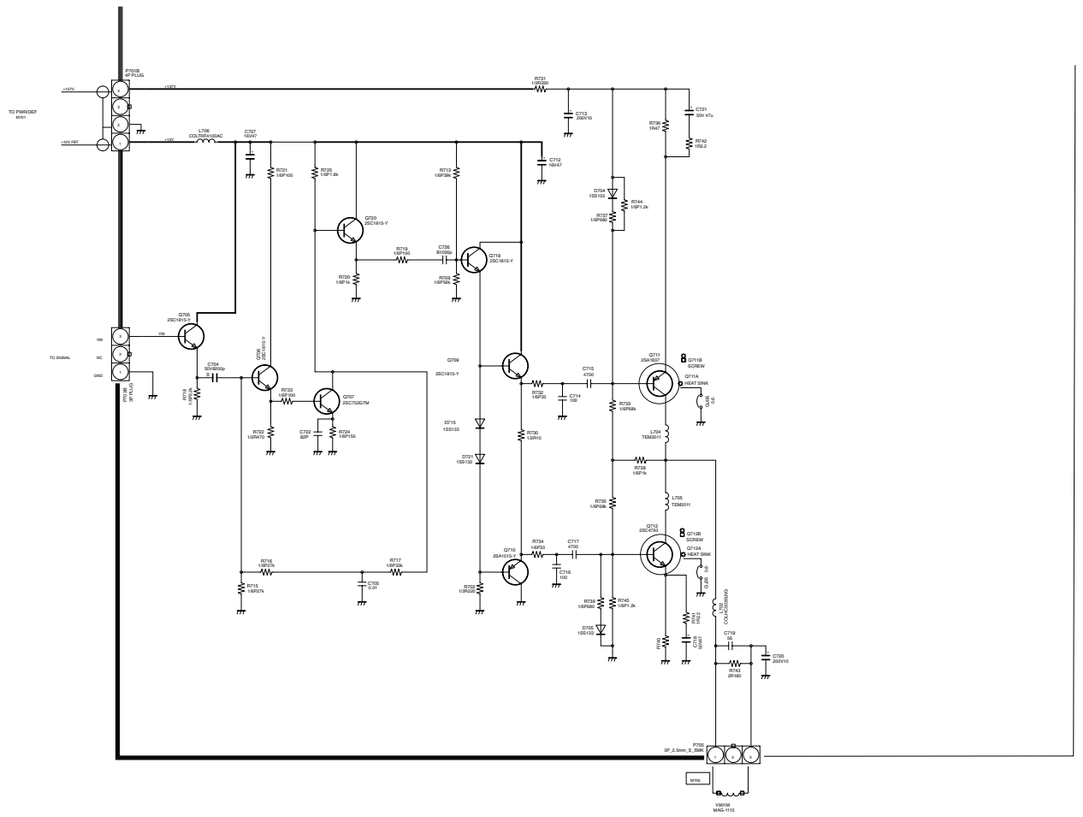
HOT

COLD

36JW9UA
POWER DEF (POWER) (8)
SHEET-5/5

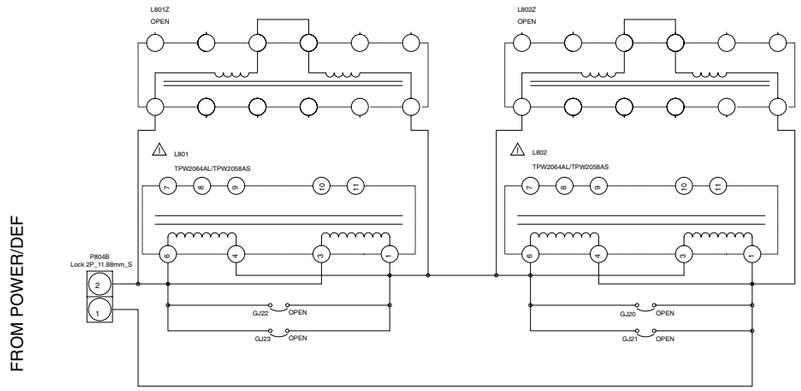
U901A CRT-D SVM UNIT PD1845





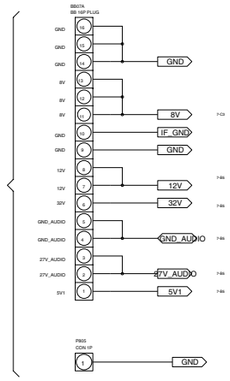
36JW9UA
CRT-D/SVM (2/2)
SHEET-2/2

U903B POW-2

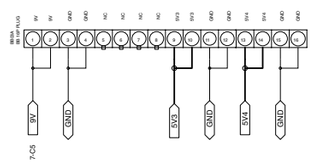


36JW9UA
CRT-D/SVM CHOKE COIL

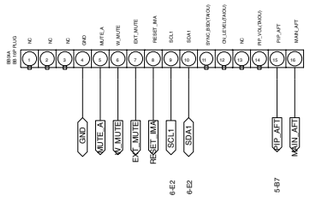
FROM POW/DEF



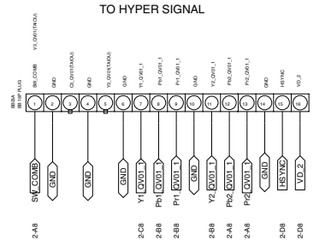
TO HYPER SIGNAL



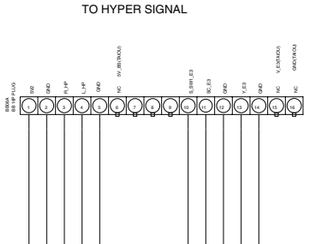
TO HYPER SIGNAL



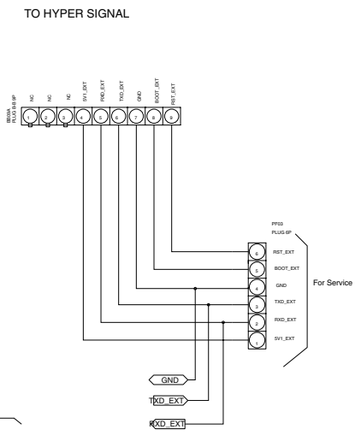
TO HYPER SIGNAL



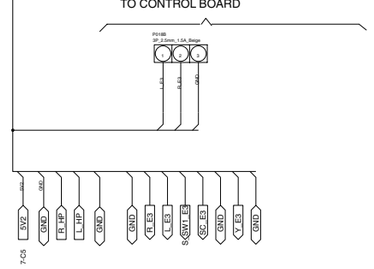
TO HYPER SIGNAL

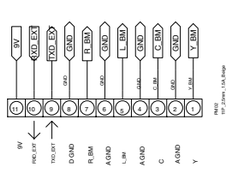


TO HYPER SIGNAL

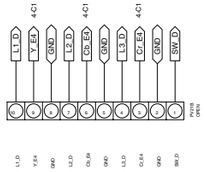


TO CONTROL BOARD

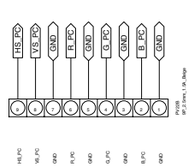




TO B/M MODULE

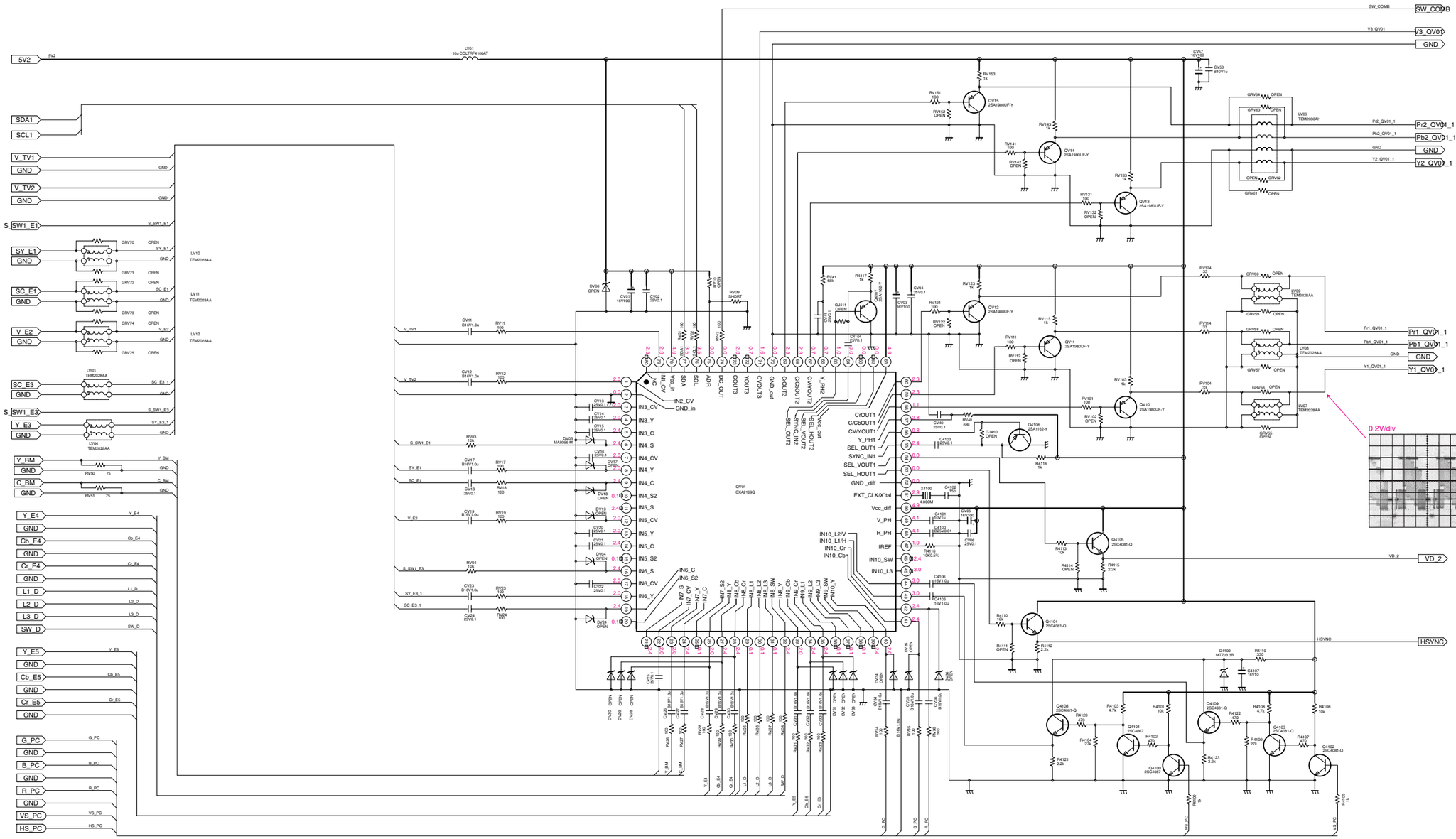


TO PC/D TERMINAL

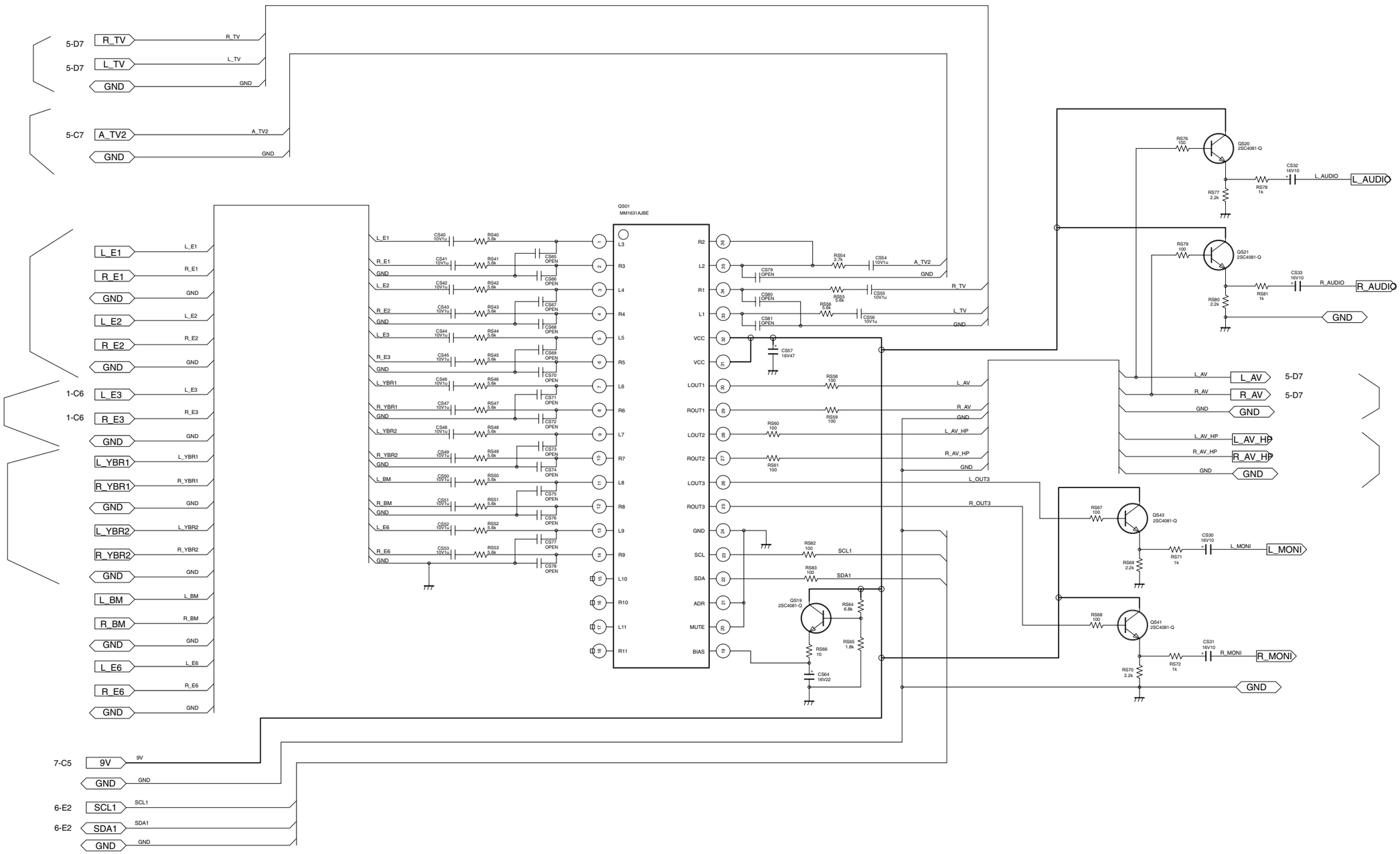


TO PC/D TERMINAL

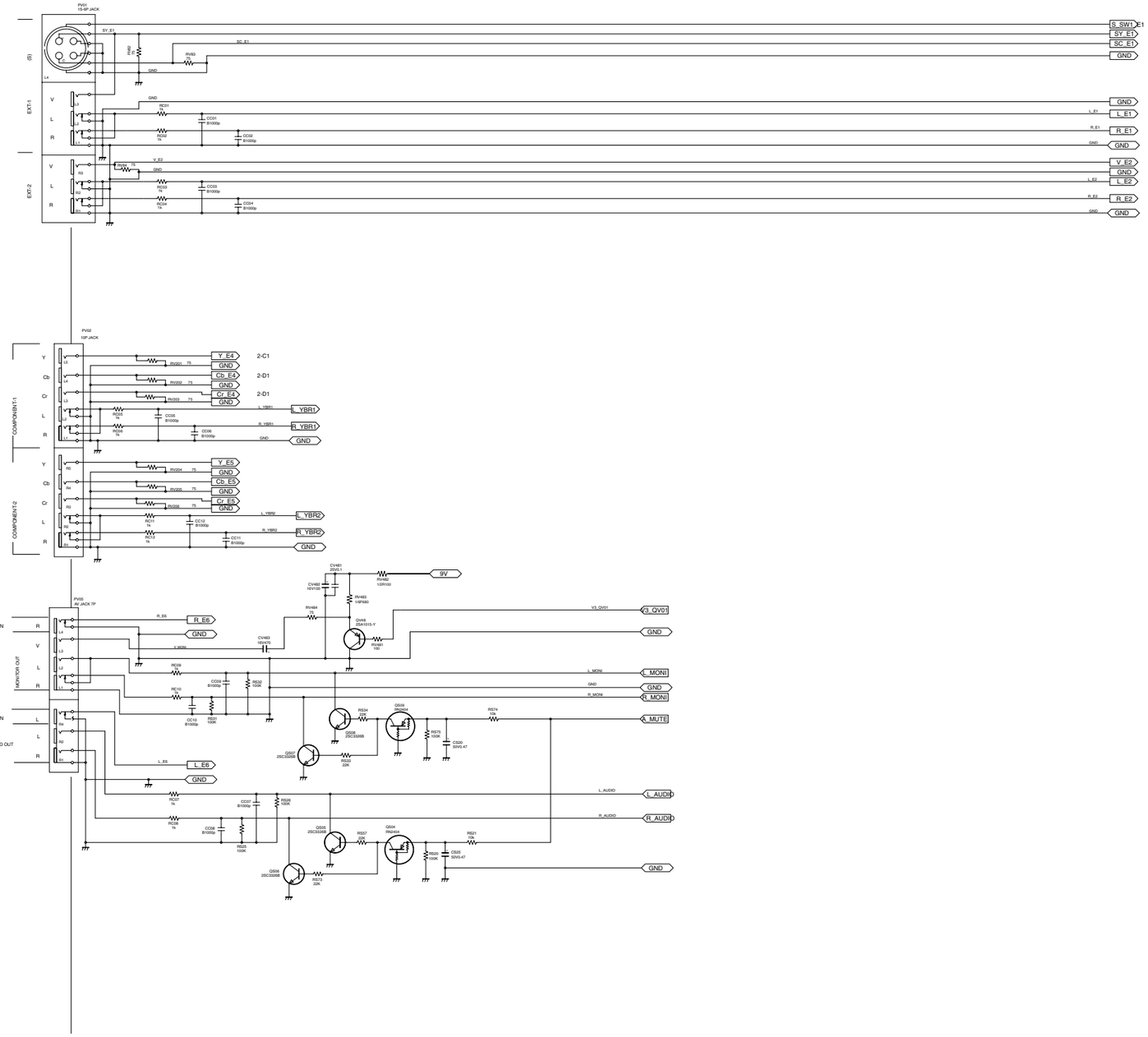
36JW9UA
AV TERMINAL (1/7)
SHEET-1/7



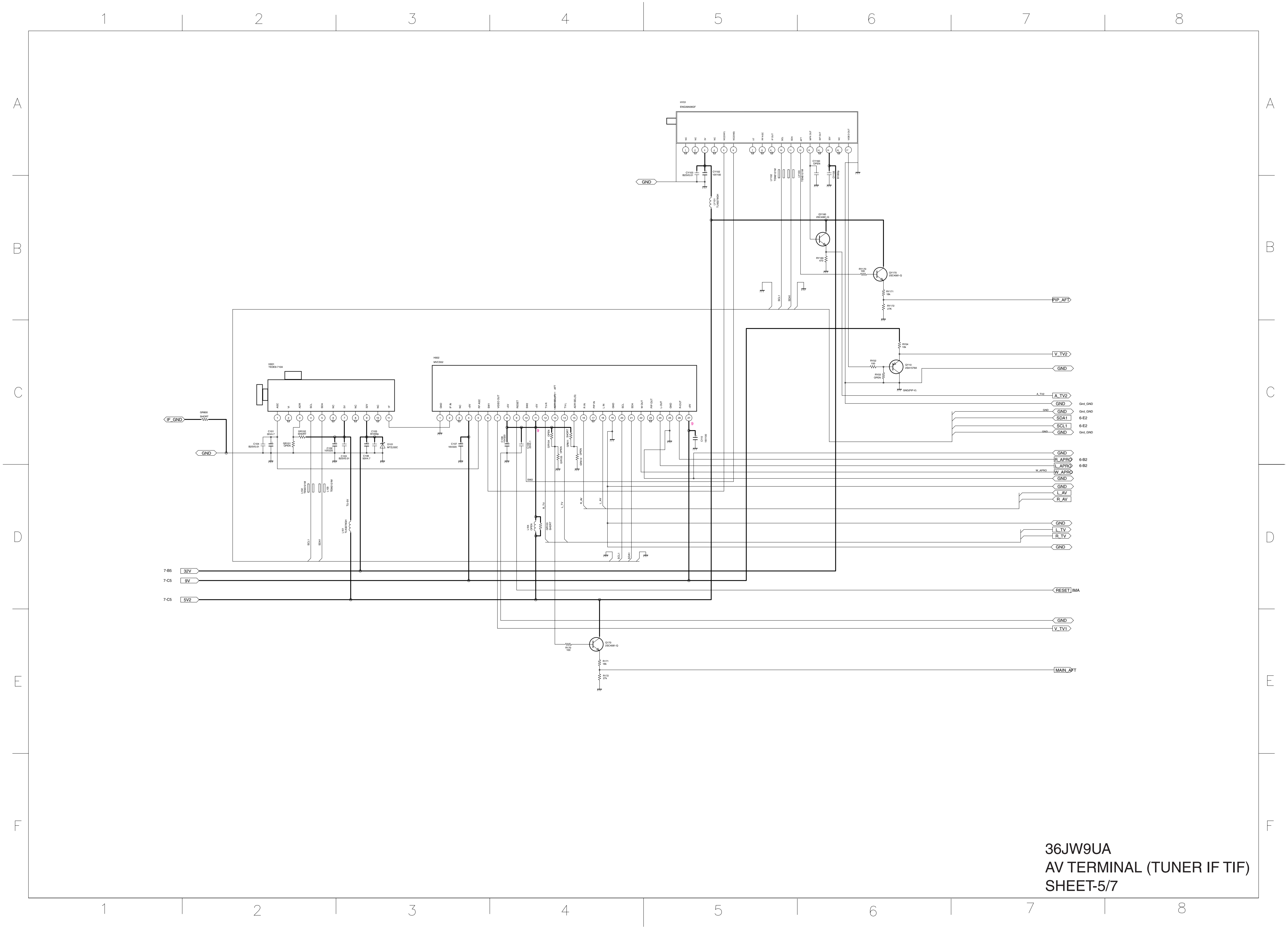
36JW9UA
AV TERMINAL (V SW)
SHEET-2/7



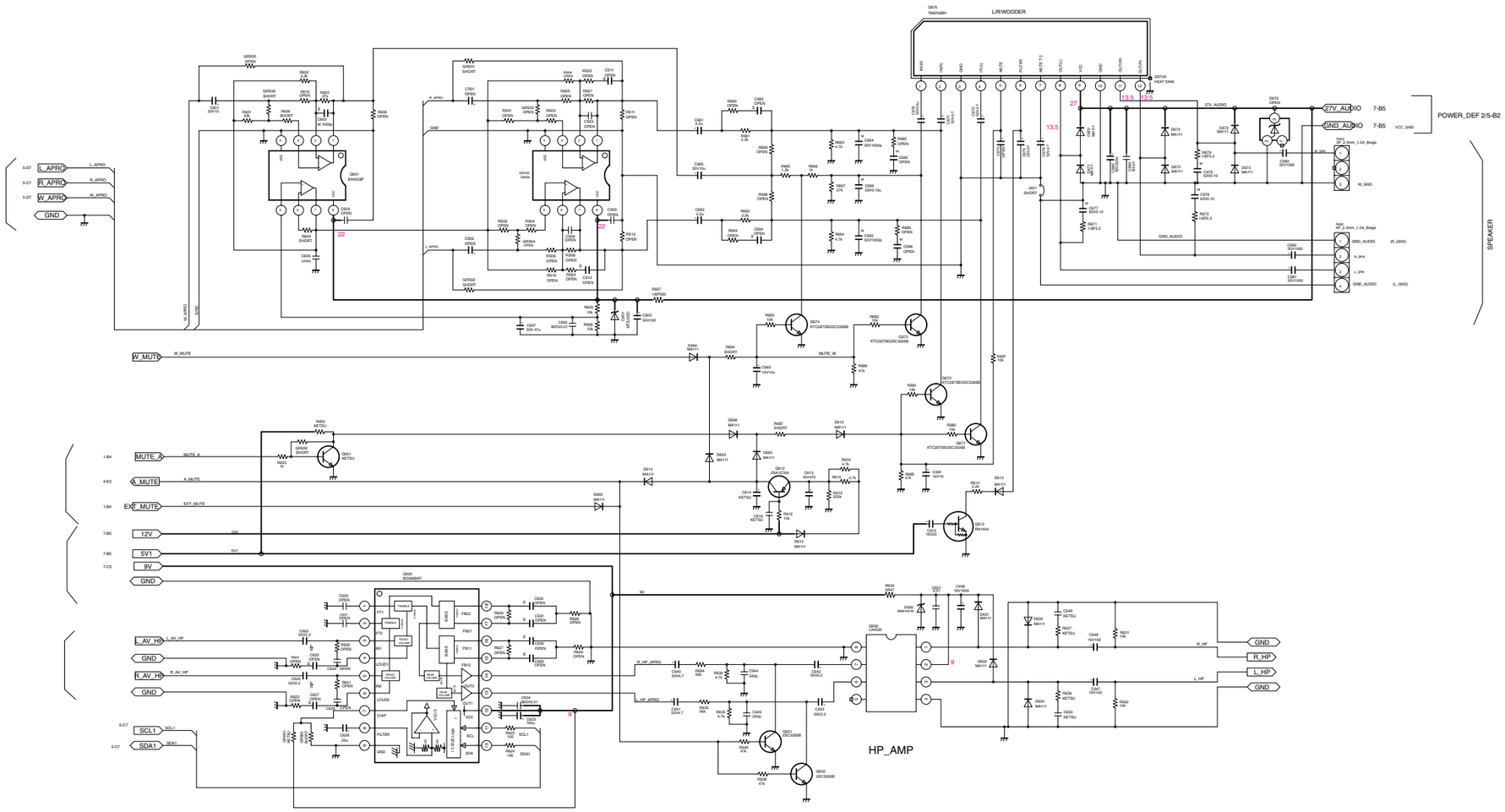
36JW9UA
AV TERMINAL (A SW)
SHEET-3/7



36JW9UA
AV TERMINAL (JACK)
SHEET-4/7

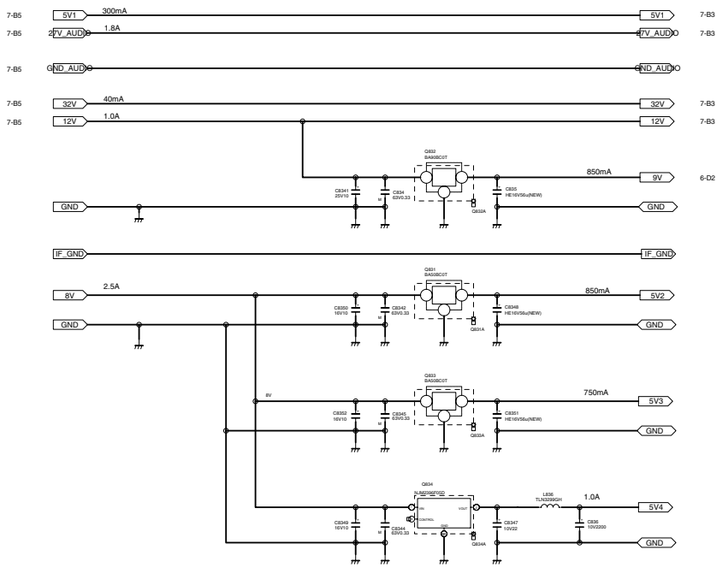


36JW9UA
AV TERMINAL (TUNER IF TIF)
SHEET-5/7



36JW9UA
AV TERMINAL (AUDIO OUT)
SHEET-6/7

TO POWER BOARD



36JW9UA
AV TERMINAL (REGURATOR)
SHEET-7/7

U905A
CONTROL BOARD

U905B
LED BOARD

MB01

FROM POW/DEF

TO POW/DEF

To BM

POWER/DEF BOARD

HYPER SIGNAL BOARD

BB07/BB08 OR P018A/P019A

HYPER SIGNAL BOARD

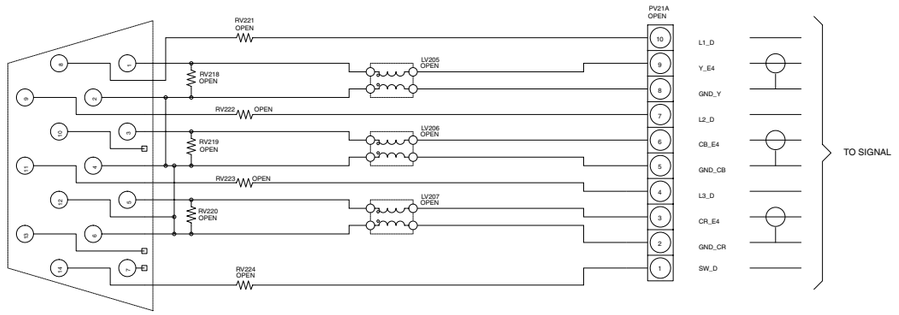
AV TERMINAL BOARD

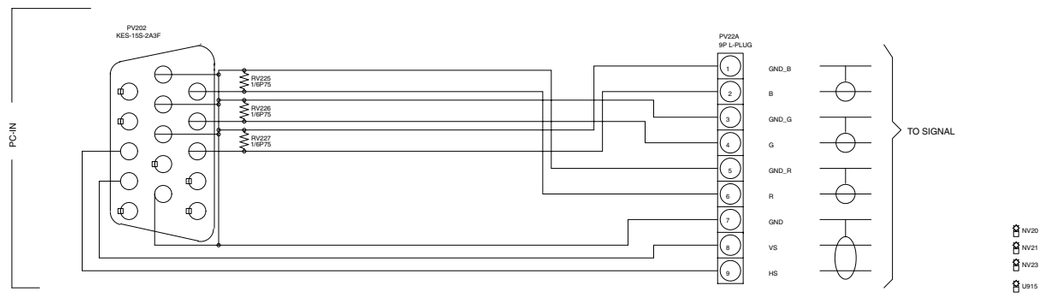
AV TERMINAL BOARD

36JW9UA
CONTROL LED (1/2)
SHEET-1/2

U905C

PC IN





36JW9UA
CONTROL LED (2/2)
SHEET-2/2

CONTROL

POWER/DEF

HYPER SIGNAL

AV_TERMINAL

(B/BorCONECT)

PC/D TERMINAL

BRIDGE MEDIA

36JW9UA
CONNECTION

TOSHIBA CORPORATION
1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO 105-8001, JAPAN

SPECIFICATIONS

<table>
<tr><th colspan="2">MODEL</th><th>36JW9UA</th></tr>
<tr><td colspan="2">Rated voltage</td><td>~ 220 – 240 V, 50 Hz</td></tr>
<tr><td colspan="2">Power consumption
(at~ 220 V, 50 Hz)</td><td>205 W</td></tr>
<tr><td colspan="2">Dimensions
(Width × Depth × Height)</td><td>856mm × 596mm × 624mm</td></tr>
<tr><td colspan="2">Mass</td><td>76 kg</td></tr>
<tr><td colspan="2">Picture tube</td><td>Type 36, wide picture tube
93 cm (dia.) overall picture tube
85.5 cm (dia.) viewable picture area
100˚ deflection</td></tr>
<tr><td rowspan="2">Television system
(Antenna input)</td><td>Channel coverage</td><td>
<table>
<tr><th>System</th><th></th><th></th><th>VHF</th><th>UHF</th><th>CABLE (Channels)</th></tr>
<tr><td>PAL</td><td>B/G</td><td>(CCIR)</td><td>2 – 12</td><td>21 – 69</td><td>X ~ Z+2, S1 ~ S41</td></tr>
<tr><td>PAL</td><td>I</td><td>(UK)</td><td>—</td><td>21 – 69</td><td>—</td></tr>
<tr><td>PAL</td><td>D/K</td><td>(CHINA)</td><td>1 – 12</td><td>13 – 57</td><td>Z–1 ~ Z–38</td></tr>
<tr><td>SECAM</td><td>B/G</td><td>(CCIR)</td><td>2 – 12</td><td>21 – 69</td><td>X ~ Z+2, S1 ~ S41</td></tr>
<tr><td>SECAM</td><td>D/K</td><td>(OIRT)</td><td>1 – 12</td><td>21 – 69</td><td>X1 ~ X19</td></tr>
<tr><td>NTSC</td><td>M</td><td>(US)</td><td>2 – 13</td><td>14 – 69</td><td>A–6 ~ A–1, A ~ W, AA ~ ZZ, AAA, BBB</td></tr>
<tr><td>NTSC</td><td>M</td><td>(JAPAN)</td><td>1 – 12</td><td>13 – 62</td><td>M1 ~ M10, S1 ~ S41</td></tr>
</table>
</td></tr>
<tr><td>Special RF signal</td><td>
<table>
<tr><th>Color system</th><th>Sound system</th></tr>
<tr><td>NTSC4.43</td><td>5.5/6.0/6.5 MHz</td></tr>
<tr><td>PAL 60Hz</td><td>5.5/6.0/6.5 MHz</td></tr>
</table>
</td></tr>
<tr><td colspan="2">COMPONENT VIDEO INPUT terminals (the signal format)</td><td>480i, 480p, 576i, 576p, 720p (50/60 Hz), 1080i (50/60 Hz)
(These signal formats are converted to match the particular scanning system of the TV.)</td></tr>
<tr><td colspan="2">Color system</td><td>PAL/SECAM/NTSC4.43/NTSC3.58</td></tr>
<tr><td colspan="2">Sound output</td><td>MAIN: 10W + 10W (10% THD)
SUPER WOOFER: 13W (10% THD)</td></tr>
<tr><td colspan="2">Accessories</td><td>• Remote control 1 • Owner's manual (This book) 1
• Battery (R03, AAA) 2</td></tr>
</table>

– END –