TOSHIBA

FILE NO. 030-200227

SERVICE MANUAL

COLOUR TELEVISION

VH26 Chassis

38VH26P

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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; nonmetallic 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 THIS 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.
Mounting position of the purity magnet assembly should fit to same position as old one because slightly difference to the position depend on a kind of tube.

***** There are no adjustment of purity and convergence in some picture tube (Unified with purity magnet)

COLOR PURITY ADJUSTMENT

NOTE : Before attempting any purity adjustments, the receiver should be operated for at least fifteen minutes.

1. Demagnetize the picture tube and cabinet using a degaussing coil.
2. Set the brightness and contrast to maximum.
3. Use a green raster from among the built-in test signals.
4. Loosen the clamp screw holding the yoke and slide the yoke backward or forward to provide vertical green belt (zone) in the picture screen.
5. Remove the Rubber Wedges.
6. Rotate and spread the tabs of the purity magnet (See figure 2.) around the neck of the picture tube until the green belt is in the center of the screen. At the same time, enter the raster vertically.
7. Slowly move the yoke forward or backward until a uniform green screen is obtained. Tighten the clamp screw of the yoke temporarily.
8. Check the purity of the red and blue raster.

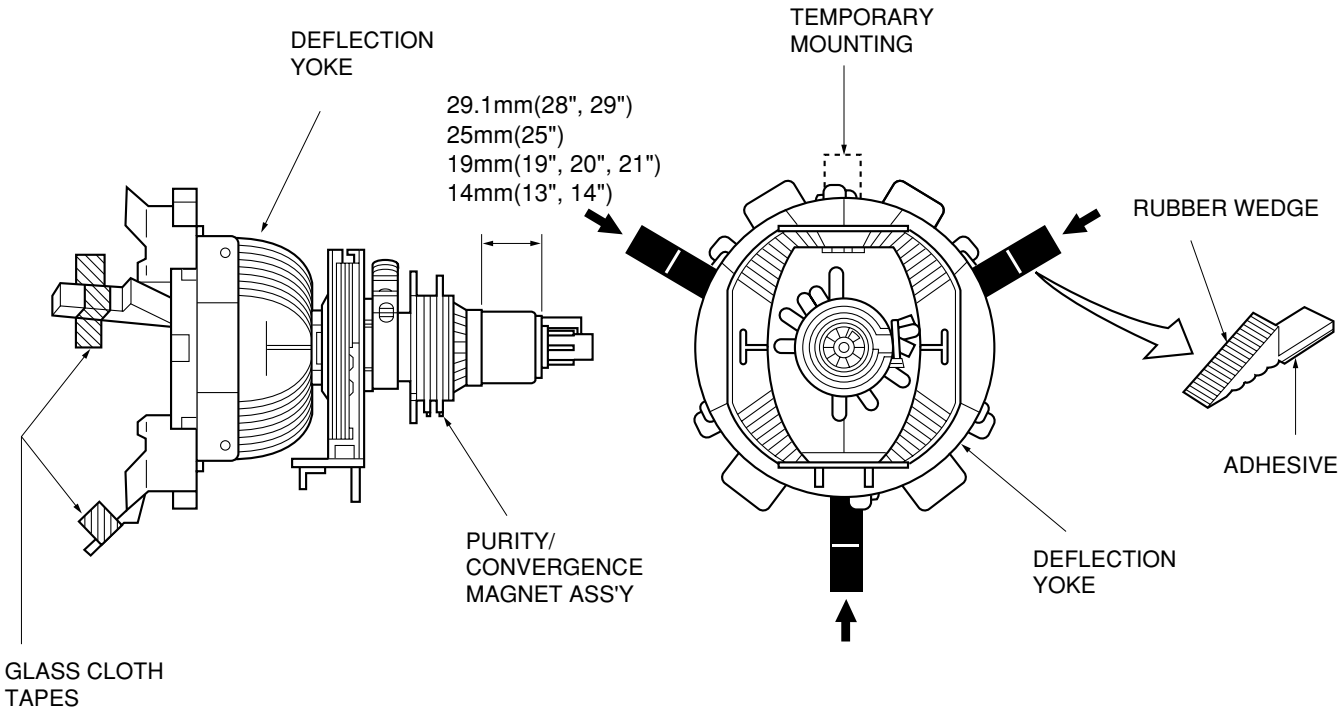


Figure 1.

CONVERGENCE ADJUSTMENTS

NOTE: Before attempting any convergence adjustments, the receiver should be operated for at least fifteen minutes.

■ CENTER CONVERGENCE ADJUSTMENT

1. Use the cross-dot pattern from among the built-in test signals.
2. Set the brightness and contrast for well defined pattern.
3. Adjust two tabs of the 4-Pole Magnets to change the angle between them (See figure 2.) and superimpose red and blue vertical lines in the center area of the picture screen.
4. Turn the both tabs at the same time keeping the angle constant to superimpose red and blue horizontal lines at the center of the screen.
5. Adjust two tabs of 6-Pole Magnets to superimpose red/blue line and green one. Adjusting the angle affects the vertical lines and rotating both magnets affects the horizontal lines.
6. Repeat adjustments 3, 4, 5 keeping in mind red, green and blue movement, because 4-Pole Magnets and 6-Pole Magnets have mutual interaction and make dot movement complex.

■ CIRCUMFERENCE CONVERGENCE ADJUSTMENT

1. Loosen the clamping screw of deflection yoke slightly to allow the yoke to tilt.
2. Temporarily put a wedge as shown in figure 1. (Do not remove cover paper on adhesive part of the wedge.)
3. Tilt front of the deflection yoke up or down to obtain better convergence in circumference. (See figure 3.) Push the mounted wedge into the space between picture tube and the yoke to fix the yoke temporarily.
4. Put other wedge into bottom space and remove the cover paper to stick.
5. Tilt front of the yoke right or left to obtain better convergence in circumference. (See figure 3.)
6. Keep the yoke position and put another wedge in either upper space. Remove cover paper and stick the wedge on picture tube to fix the yoke.
7. Detach the temporarily mounted wedge and put it in another upper space. Stick it on picture tube to fix the yoke.
8. After fixing three wedges, recheck overall convergence. Tighten the screw firmly to fix the yoke and check the yoke is firm.
9. Stick three adhesive tapes on wedges as shown in figure 1.

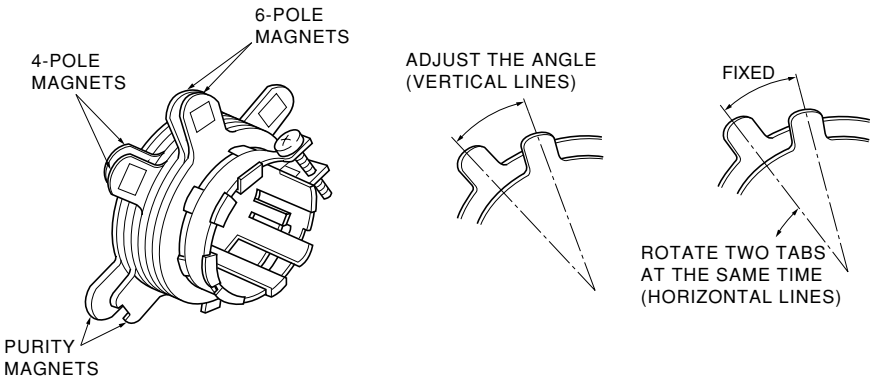


Figure 2.

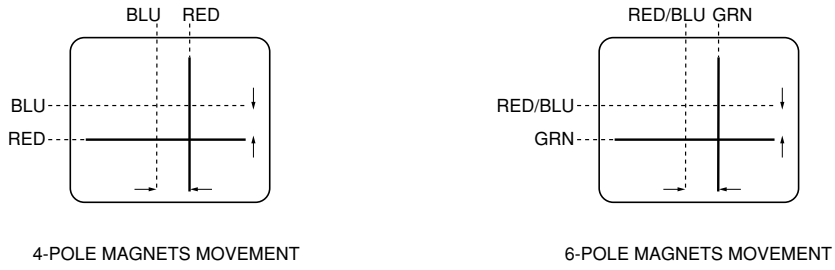


Figure 3. Dot Movement Pattern

SERVICE MODE

1. ENTERING TO SERVICE MODE

1) Press 🔇 button once on Remote Control.

2) Press 🔇 button again to keep pressing.

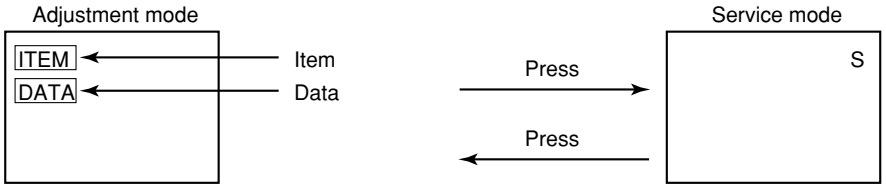
3) While pressing the 🔇 button, press MENU button on TV set.



(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.

A single horizontal line ON/OFF:	INFO button (on Remote) or ⊖ button (on TV)
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
“CNTX” (or “SCNT”) selection :	4 button
“COLC” 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.
Self diagnostic display ON/OFF :	9 button COLP (PAL) 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

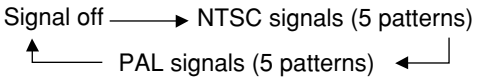
After replacing QA02, the following initialization is required.

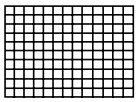
1. Enter the service mode, then select any register item.
2. Press and hold the CALL button on the Remote, then press the CHANNEL ▲ button on the TV. The initialization of QA02 has been completed.
3. Check the picture carefully. If necessary, adjust any adjustment item above. Perform “Auto search Memory”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

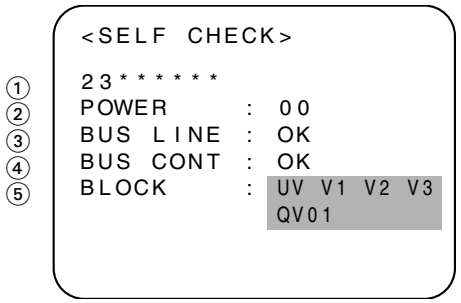


Signals	Picture
• Red raster • Green raster • Blue raster • All White	
• Black cross-hatch	

***** The signals marked with ■ are not usable to display in the Test signal for some model.

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 Part number of microcomputer (QA01)
② Operation number of protecting circuit ----"00" is normal.
When indication is other than "00", over current apts to flow, and circuit parts may possibly be damaged.
③ BUS LINE CHECK ----"OK" is normal.
"SDA1-GND" ---------- SDA-GND short circuit.
"SCL1-GND" ---------- SCL-GND short circuit.
"SCL1-SDA1" ---------- SCL-SDA short circuit.
④ BUS CONT ----"OK" is normal.
When indication shows "Q ○○○ NG", the device with the number may possibly be damaged.
⑤BLOCK
UV : TV reception mode
V1 : VIDEO 1 input mode (→①1)
V2 : VIDEO 2 input mode (→①2)
V3 : VIDEO 3 input mode (→①3)

Indicated color of mode now selected : Green and Red
Indicated color of other modes : White

Green : Normal
Red : The microcomputer operates to provide judgment of no video signal. The red color is still indicated though the signal is input, failure may exist in input signal line including QV01.
QV01 : In case of indication green ---Normal
In case of indication red with input signal----
Failure may exist in output line including QV01.

NOTE: Component which controls character display on screen is ICF01 (TELETEXT IC.). If this display function fails to operate due to damage in ICF01, self diagnosis procedure is as follows.
(1) In case that power indicator is blinking with interval of 0.5 seconds; it means protecting circuit (Current limiter) is operating, and circuit components may possibly be damaged. Check related components.
(2) In case that power indicator is blinking with interval of 1 second; Protecting circuit does not operate, but a part of Bus line does not operate normally. Check Bus line.

* The items marked with ■ are not usable to display in the SELF DIAGNOSTIC FUCTION for some model.

DESIGN MODE

1. ENTERING TO DESIGN MODE

1) Select the Service mode. 2) While pressing 🔇 or CALL button on Remote and press MENU button on TV. 3) Press MENU button on TV.



(Design mode) (Adjustment mode)

When QA02 is initialized, items “OPT0” and “OPT1” of DESIGN MODE are 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 items “OPT0” and “OPT1”.

2. SELECTING THE ADJUSTING ITEMS

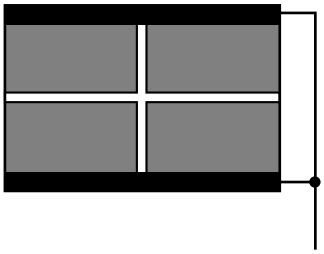
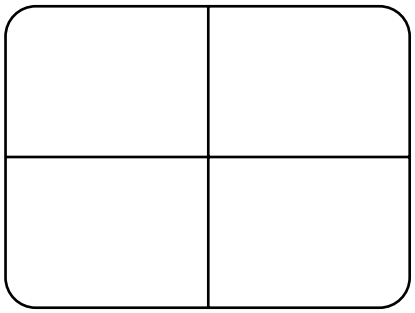
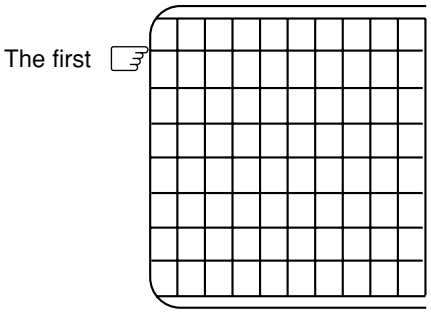
Every pressing of CHANNEL ▼ button in the design mode changes the adjustment items in the order of table-3.
(▲ button for reverse order)

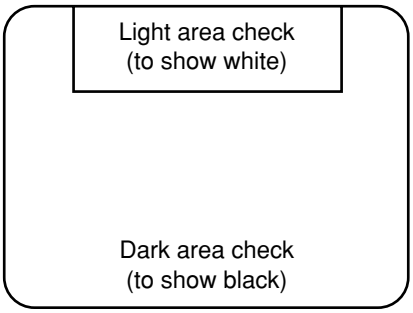
Refer to table-3 for data of design mode.
(See SETTING & ADJUSTING DATA on page 18)

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 white 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 or white 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 or white 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
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. Set the TV in service mode, and get the inside W/B adjusting signal with VIDEO button. 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 (See page 18). 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. 

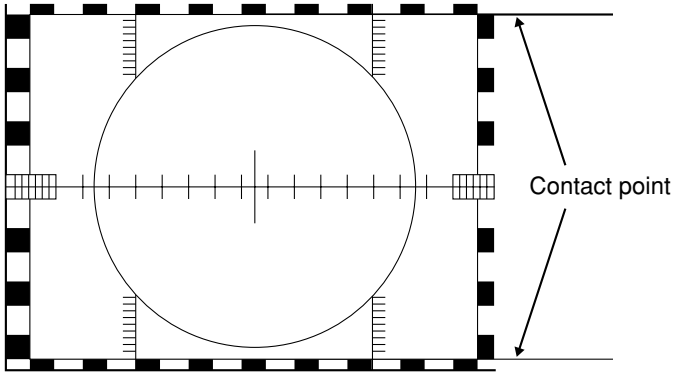
(Reference Factory Adjustments)

Item	Name	Setting	Input signal	Measuring point	Adjusting method	Adjusting standard
BRTC	Sub-bright centre adjustment	Picture MODE-1 Screen size: 4:3	Sub-bright signal	Screen adjustment	1. This item shall be adjust after the screen VR adjustment and white balance adjustment. 2. Adjust the number of collapsed black lines of the sub-bright signal.	4 ± 1.5 lines
RCUT GCUT BCUT Screen VR GDRV BDRV	Screen adjustment and white balance adjustment (R cut off) (G cut off) (B cut off) (Screen) (G drive) (B drive)	RCUT, GCUT, BCUT ┐ 40H GDRV, BDRV ┐ 35H Activated horizontal straight line mode		Screen adjustment	1. Set the conditions as shown left & Horizontal line mode. 2. Gradually raise the screen brightness until either of R, G or B lines starts to gleam slightly. 3. Determine that point as the screen VR adjustment position. 4. Using RCUT, GCUT and BCUT, raise the brightness of two lines except the one that gleamed in step 2 until these lines start to gleam slightly (ie make the screen almost white). 5. Release the horizontal straight line mode. 6. Using the white balance checker (CA100), repeat the adjustment steps until both bright and dark parts become correct value.	HIGH LIGHT (103cd /m^2) 8750K-0.002uv Dark part (17cd/m^2) 8750K-0.002uv * Adjustment range is the same as before.
SRY SBY	Secam Black level adjustment R-Y axis B-Y axis		SECAM Colour bar	SRY: TP02 SBY: TP01	1. Adjust the level of B/W part of the colour different signal to the level of H.BLK part. 2. Adjust the R-Y axis and B-Y axis by SRY and SBY data items respectively.	0 ± 10 mV

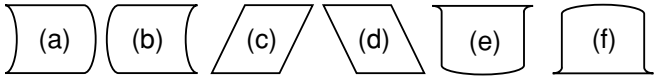
Item	Name	Setting	Input signal	Measuring point	Adjusting method	Adjusting standard
SCNT	Sub-contrast	Picture Mode 1 Screen size: 4:3 Audio system: I	Sub-bright signal (PAL-I Signal)	TP46B	Adjust the amplitude from the pedestal level to the white peak.	2.4 ± 0.1 Vp-p
COLP	Sub-colour centre PAL	Picture Mode 1 Screen size: 4:3	Sub-bright signal (PAL)	TP46B	Adjust the amplitude of B-Y. Turn on Y-MUTE when adjusting this item.	1.2 ± 0.1 Vp-p
COLS	Sub-colour centre SECAM	Picture Mode 1 Screen size: 4:3	SECAM Colour bar	TP46B	Adjust the amplitude of B-Y. Turn on Y-MUTE when adjusting this item.	1.6 ± 0.1 Vp-p * (Pedestal to Peak)

Data adjustment

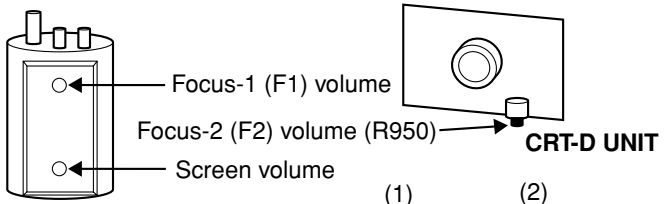
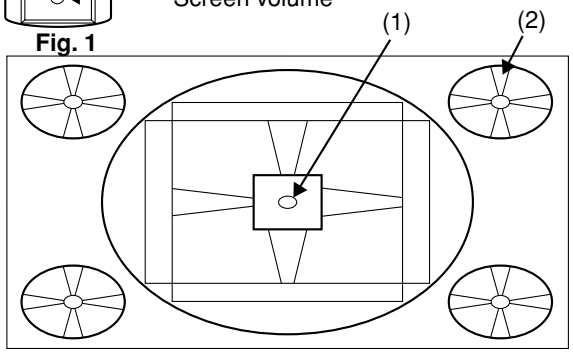
Item	Adjusting items	Adjusting methods
Vertical	Vertical amplitude [HIT]	PAL Philips Pattern, User adjustment standard Adjust the vertical amplitude by [HIT] so that both upper and lower flags will disappear from the screen. (See the right sketch)
	Vertical position [VPS1]	PAL Philips Pattern, User adjustment standard Adjust the vertical position [VPS1] with Philips Pattern so that the vertical screen position will come to the centre. (See the right sketch) Note: Adjust and orient CPT either toward the south and north. If this is impossible, offset the difference.



Data adjustment

Item	Adjusting items	Adjustment methods
Horizontal	Horizontal phase: [HPOS] Horizontal amplitude: [WID] DPC correction: [PARA] Trapezoidal correction: [TRAP] DPC corner correction: [CNR] Centre warp: [CPAR] DPC S correction: [HSC] Paralleogram correction: [CSAW]	Use PAL Philips Pattern. (1) Use the [HPOS] for the horizontal screen position, and make adjustments so that the position will become a centre. (2) Use the [WID] to fit the mask to the frames of left and right flags. (3) Use the [PARA] and [TRAP] become optimum. (4) In case distortion adjustment is insufficient by the [PARA] [TRAP] adjustments, make adjustments by using the data of [CNR], [CPAR], [HSC] and [CSAW]. 1. Decrease [CPAR] in case of the distortion shown in Fig. (a). On the contrary, increase [CPAR] in case of the distortion shown in Fig. (b). 2. Decrease [CSAW] in case of the distortion shown in Fig. (c). On the contrary, increase [CSAW] in case of the distortion shown in Fig. (d). 3. Decrease [HSC] in case of the distortion shown in Fig. (e). On the contrary, increase [HSC] in case of the distortion shown in Fig. (f).  (5) Re-adjust item (3) if need.

Circuit adjustment (Volume/data adjustment)

Item	Adjusting items	Setting	Measuring point	Adjusting method
FOCUS	Focus adjustment (1) Horizontal Focus Using F1 volume of T461 (FBT)	PAL Retoma signal WIDE mode	(1) Refer to the Fig. 2.	Set it at the position, where the screen centre becomes optimum focus and most anticlockwise, using the focus volume (F1) of Fly-Back Transformaer (T461).
	Focus adjustment (2) Vertical Focus Using a volume of R950 on the CRT-D unit	PAL Retoma signal WIDE mode	(2) Refer to the Fig. 2.	Set it at the position, where the screen centre becomes optimum focus and most anticlockwise, using the focus volume of R950 on the CRT-D unit.  **Fig. 1**  **Fig. 2**

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 】

8		38"
HIGH VOLTAGE AT ZERO BEAM:	(A)	33.4 kV
MAX HIGH VOLTAGE:	(B)	35.0 kV
AC VOLTAGE	(C)	220~240 V

Table-1

【 SERVICE MODE 】

ADJUSTING ITEMS AND DATAS IN THE SERVICE MODE:

Item	Adjustment	Reference data
RCUT	R CUTOFF	40H
GCUT	G CUTOFF	40H
BCUT	B CUTOFF	40H
GDRV	G DRIVE	35H
BDRV	B DRIVE	35H
BRTC	SUB BRIGHT CEN	80H
COLP	SUB COLOR CEN PAL	3DH
COLS	SUB COLOR CEN SECAM	3DH
SCNT	SUB CONTRAST	08H
SRY	SECAM R-Y	07H
SBY	SECAM B-Y	01H

Item	Adjustment	Reference data
HPOS	50Hz H-POSITION	6A
VPOS	V-POSITION	00H
HIT	HEIGHT	4C
VLIN	V-LINEARITY	10H
VSC	V-S CORRECTION	2E
VPS2	V-SHIFT	40H
WID	PICTURE WIDTH	1F
PARA	E-W PARABOLA	0D
CNR	E-W CORNER	1A
TRAP	TRAPEZIUM	4D
VFC	V-F CORRECTION	0FH

Table-2

【 DESIGN MODE 】

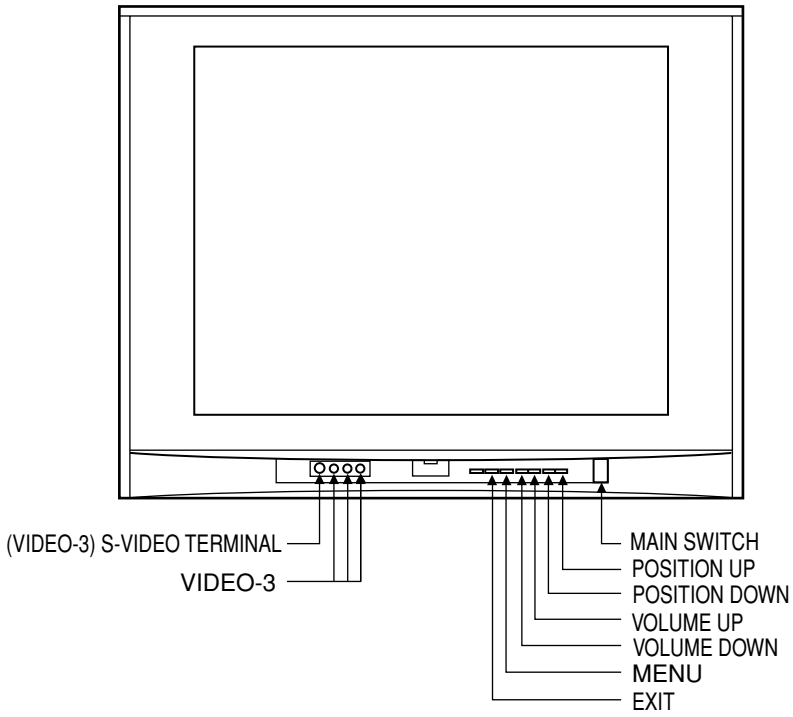
ADJUSTING ITEMS AND DATAS IN THE DESIGN MODE:

Item	Name of adjustment	Preset Data	Data	Remarks
* There are no adjusting item in the DESIGN MODE.				

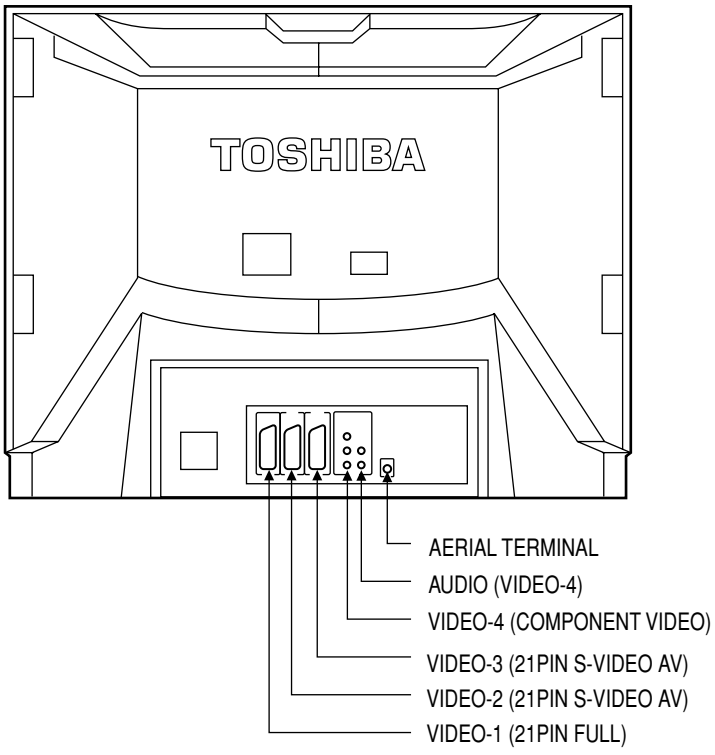
Table-3

LOCATION OF CONTROLS

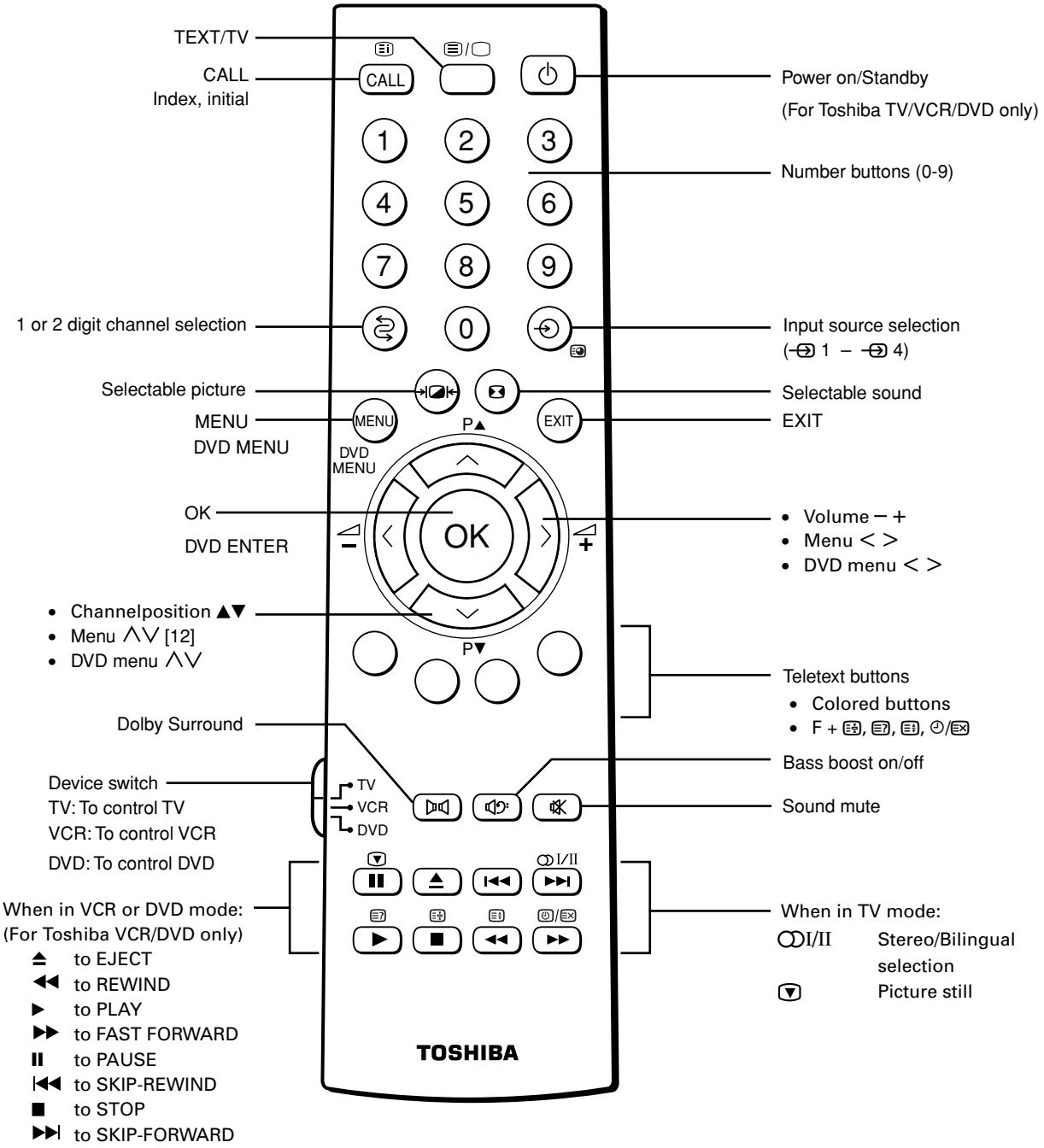
Front



Rear terminals



Remote Controller



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.*

Models : 38VH26P

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		
C102	24763221	ELECTROLYTIC, 16V 220UF M
C105	24212102	CERAMIC DISC, 50V B 1000PF K
C106	24797100	ELECTROLYTIC, 50V 10UF M
C108	24794221	ELECTROIYTIC, 16V 220UF M
C109	24232103	CERAMIC DISC, 50V F 0.01UF Z
C110	24797479	ELECTROLYTIC, 50V 4.7UF M
C111	24797220	ELECTROLYTIC, 50V 22UF M
C115	24232103	CERAMIC DISC, 50V F 0.01UF Z
C201	24567104	PLASTIC FILM, 50V 0.1UF J
C202	24232103	CERAMIC DISC, 50V F 0.01UF Z
C203	24567104	PLASTIC FILM, 50V 0.1UF J
C204	24797479	ELECTROLYTIC, 50V 4.7UF M
C205	24797229	ELECTROLYTIC, 50V 2.2UF M
C206	24797220	ELECTROLYTIC, 50V 22UF M
C214	24567334	PLASTIC FILM, 50V 0.33UF J
C215	24436101	CERAMIC DISC, 50V SL 100PF J
C219	24436100	CERAMIC DISC, 50V SL 10PF C
C220	24436100	CERAMIC DISC, 50V SL 10PF C
C221	24436100	CERAMIC DISC, 50V SL 10PF C
C229	24092398	CERAMIC DISC, 25V 0.1UF Z, 24092398A NI TOOITSU
C230	24232103	CERAMIC DISC, 50V F 0.01UF Z
C232	24092398	CERAMIC DISC, 25V 0.1UF Z, 24092398A NI TOOITSU
C261	24794101	ELECTROLYTIC, 16V 100UF M
C262	24232103	CERAMIC DISC, 50V F 0.01UF Z
C263	24794470	ELECTORLYTIC, 16V 47UF M
C264	24794100	ELECTROLYTIC, 16V 10UF M
C302	24214471	CERAMIC DISC, 500V B 470PF K
C303	24214471	CERAMIC DISC, 500V B 470PF K
C305	24795222	ELECTROLYTIC, 25V 2200UF M
C308	24669221	ELECTROLYTIC, 50V 220UF M 3A
C310	24795222	ELECTROLYTIC, 25V 2200UF M
C313	24082057	PLASTIC FILM, 100V 0.22UF J
C315	24212102	CERAMIC DISC, 50V B 1000PF K
C315	24797478	ELECTROLYTIC, 50V 0.47UF M
C316	24795221	ELECTROLYTIC, 25V 220UF M
C318	24794471	ELECTROLYTIC, 16V 470UF M
C320	24795221	ELECTROLYTIC, 25V 220UF M
C321	24567224	PLASTIC FILM, 50V 0.22UF J
C322	24617915	ELECTROLYTIC, 50V 1UF K 3A LI

Location No.	Parts No.	Description
C323	24567474	PLASTIC FILM, 50V 0.47UF J
C325	24590223	PLASTIC FILM, 50V 0.022UF J
C326	24797010	ELECTROLYTIC, 50V 1UF M
C327	24794471	ELECTROLYTIC, 16V 470UF M
C329	24567224	PLASTIC FILM, 50V 0.22UF J
C332	24212102	CERAMIC DISC, 50V B 1000PF K
C341	24567474	PLASTIC FILM, 50V 0.47UF J
C366	24082049	PLASTIC FILM, 100V 47000PF J
C370	24794100	ELECTROLYTIC, 16V 10UF M
C371	24797100	ELECTROLYTIC, 50V 10UF M
C372	24797470	ELECTROLYTIC, 50V 47UF M
C373	24797470	ELECTROLYTIC, 50V 47UF M
⚠ C400	24082895	BLOCK, METAL FILM CAP TPA5008
C401	24232103	CERAMIC DISC, 50V F 0.01UF Z
C403	24590223	PLASTIC FILM, 50V 0.022UF J
C404	24797229	ELECTROLYTIC, 50V 2.2UF M
C410	24092341	CERAMIC DISC, 2KV R 470PF K
C413	24214332	CERAMIC DISC, 500V B 3300PF K
C416	24668101	ELECTROLYTIC, 35V 100UF M 3A
C417	24214391	CERAMIC DISC, 500V B 390PF K
C419	24212102	CERAMIC DISC, 50V B 1000PF K
C420	24794101	ELECTROLYTIC, 16V 100UF M
C421	24567104	PLASTIC FILM, 50V 0.1UF J
C423	24829433	PLASTIC FILM, 400V 0.043UF J
C424	24794101	ELECTROLYTIC, 16V 100UF M
C425	24794101	ELECTROLYTIC, 16V 100UF M
C430	24232103	CERAMIC DISC, 50V F 0.01UF Z
C431	24232103	CERAMIC DISC, 50V F 0.01UF Z
C431	24794101	ELECTROLYTIC, 16V 100UF M
C439	24503216	PLASTIC FILM CF92 T 1500VH 2000PF H
C440	24503145	PLASTIC FILM CF92 T 1500VH 2200PF H
C442	24082638	PLASTIC FILM CF92 T 400V R11UF J
C443	24082637	PLASTIC FILM, 400V 0.1UF J
C444	24503349	PLASTIC FILM 1800VH 4300PF H
C445	24828473	PLASTIC FILM, 200V 47000PF J
C446	24679330	ELECTROLYTIC, 250V 33UF M 3A
C447	24829273	PLASTIC FILM, 400V 27000PF J
C448	24640908	ELECTROLYTIC, 160V 33UF M 3A LI
C460	24073092	ELECTROLYTIC, 50V 330UF M 3A
C461	24503345	PLASTIC FILM 1800VH 3000PF H
C462	24794222	ELECTROLYTIC, 16V 2200UF M
C463	24212392	CERAMIC DISC, 50V B 3900PF K

Location No.	Parts No.	Description
C464	24640872	ELECTROLYTIC, 100V 10UF M 3A
C466	24503264	PLASTIC FILM CF92 T 1250VH 7200PF H
C467	24503258	PLASTIC FILM CF92 T 1250VH 6200PF H
C470	24794470	ELECTORLYTIC, 16V 47UF M
C471	24590473	PLASTIC FILM, 50V 0.047UF J
C472	24567474	PLASTIC FILM, 50V 0.47UF J
C473	24669010	ELECTROLYTIC, 50V 1.0UF M 3A
C475	24829273	PLASTIC FILM, 400V 27000PF J
C476	24794220	ELECTROLYTIC, 16V 22UF M
C479	24214471	CERAMIC DISC, 500V B 470PF K
C481	24085988	ELECTROLYTIC, NONPOLAR, 50V 1.0UF M 7L
C482	24212152	CERAMIC DISC, 50V B 1500PF K
C495	24092343	CERAMIC DISC, 2KV 680PF K
C496	24092343	CERAMIC DISC, 2KV 680PF K
C501	24092293	CERAMIC CHIP, 25V F 0.1UF Z
C502	24092293	CERAMIC CHIP, 25V F 0.1UF Z
C502	24232103	CERAMIC DISC, 50V F 0.01UF Z
C503	24794470	ELECTORLYTIC, 16V 47UF M
C503	24794221	ELECTROIYTIC, 16V 220UF M
C504	24814103	CERAMIC CHIP, 50V F 0.01UF Z
C505	24794470	ELECTORLYTIC, 16V 47UF M
C506	24814103	CERAMIC CHIP, 50V F 0.01UF Z
C507	24092293	CERAMIC CHIP, 25V F 0.1UF Z
C508	24092293	CERAMIC CHIP, 25V F 0.1UF Z
C508	24797010	ELECTROLYTIC, 50V 1UF M
C509	24092293	CERAMIC CHIP, 25V F 0.1UF Z
C509	24794101	ELECTROLYTIC, 16V 100UF M
C510	24794101	ELECTROLYTIC, 16V 100UF M
C510	24797479	ELECTROLYTIC, 50V 4.7UF M
C511	24092293	CERAMIC CHIP, 25V F 0.1UF Z
C511	24232103	CERAMIC DISC, 50V F 0.01UF Z
C512	24092293	CERAMIC CHIP, 25V F 0.1UF Z
C513	24092293	CERAMIC CHIP, 25V F 0.1UF Z
C513	24232103	CERAMIC DISC, 50V F 0.01UF Z
C514	24794470	ELECTORLYTIC, 16V 47UF M
C514	24567104	PLASTIC FILM, 50V 0.1UF J
C515	24814103	CERAMIC CHIP, 50V F 0.01UF Z
C515	24567104	PLASTIC FILM, 50V 0.1UF J
C516	24774100	CERAMIC CHIP, 50V CH 10PF C
C517	24797478	ELECTROLYTIC, 50V 0.47UF M
C518	24814103	CERAMIC CHIP, 50V F 0.01UF Z
C518	24436101	CERAMIC DISC, 50V SL 100PF J
C519	24092293	CERAMIC CHIP, 25V F 0.1UF Z
C520	24212102	CERAMIC DISC, 50V B 1000PF K
C520	24797229	ELECTROLYTIC, 50V 2.2UF M
C521	24212102	CERAMIC DISC, 50V B 1000PF K
C521	24567223	PLASTIC FILM, 50V 0.022UF J
C522	24814103	CERAMIC CHIP, 50V F 0.01UF Z
C525	24567104	PLASTIC FILM, 50V 0.1UF J
C555	24092398	CERAMIC DISC, 25V 0.1UF Z, 24092398A NI TOOITSU
C556	24797010	ELECTROLYTIC, 50V 1UF M
C608	24762222	ELECTROLYTIC, 10V 2200UF M 3D
C613	24794471	ELECTROLYTIC, 16V 470UF M
C615	24085945	ELECTROLYTIC, NONPOLAR, 50V 2.2UF
C661	24797478	ELECTROLYTIC, 50V 0.47UF M
C662	24797229	ELECTROLYTIC, 50V 2.2UF M
C664	24794100	ELECTROLYTIC, 16V 10UF M
C665	24797010	ELECTROLYTIC, 50V 1UF M
C666	24797010	ELECTROLYTIC, 50V 1UF M
C671	24797100	ELECTROLYTIC, 50V 10UF M
C673	24797010	ELECTROLYTIC, 50V 1UF M
C674	24797100	ELECTROLYTIC, 50V 10UF M
C675	24795470	ELECTROLYTIC, 25V 47UF M
C676	24797479	ELECTROLYTIC, 50V 4.7UF M
C677	24590471	PLASTIC FILM, 50V 470PF J

Location No.	Parts No.	Description
C678	24590471	PLASTIC FILM, 50V 470PF J
C680	24668102	ELECTROLYTIC, 35V 1000UF M 3A
C681	24668102	ELECTROLYTIC, 35V 1000UF M 3A
C682	24668102	ELECTROLYTIC, 35V 1000UF M 3A
C685	24591124	PLASTIC FILM, 50V 0.12UF J
C686	24591124	PLASTIC FILM, 50V 0.12UF J
C687	24232103	CERAMIC DISC, 50V F 0.01UF Z
C688	24794220	ELECTROLYTIC, 16V 22UF M
C689	24591124	PLASTIC FILM, 50V 0.12UF J
C699	24474102	CERAMIC, 50V B 1000PF K
C704	24591822	PLASTIC FILM, 50V 8200PF J
C705	24797229	ELECTROLYTIC, 50V 2.2UF M
C707	24794470	ELECTORLYTIC, 16V 47UF M
C712	24794470	ELECTORLYTIC, 16V 47UF M
C713	24790100	ELECTROLYTIC, 160V 10UF M
C715	24214472	CERAMIC DISC, 500C B 4700PF K
C717	24214472	CERAMIC DISC, 500C B 4700PF K
C718	24794470	ELECTORLYTIC, 16V 47UF M
C719	24435151	CERAMIC DISC, 500V SL 150PF
C720	24790100	ELECTROLYTIC, 160V 10UF M
C721	24794470	ELECTORLYTIC, 16V 47UF M
⚠ C801	24503054	MT PLA AC275V 0.1UF M
⚠ C802	24503054	MT PLA AC275V 0.1UF M
C805	24092281	CERAMIC DISC, AC250V E 4700PF
C806	24092281	CERAMIC DISC, AC250V E 4700PF
C808	24667221	ELECTROLYTIC, 25V 220UF M 3A
C810	24763102	ELECTROLYTIC, 16V 1000UF M
C810	24086873	ELECTROLYTIC, 440V 330UF
⚠ C813	24092555	CERAMIC DISC, AC250V E 1000PF M
⚠ C814	24092555	CERAMIC DISC, AC250V E 1000PF M
C817	24092339	CERAMIC DISC, 2KV 330PF K
C818	24095931	PLASTIC FILM, 1250VH 2200PF J
C819	24676220	ELECTROLYTIC, 100V 22UF M 3A
C821	24214471	CERAMIC DISC, 500V B 470PF K
C822	24567474	PLASTIC FILM, 50V 0.47UF J
C823	24214471	CERAMIC DISC, 500V B 470PF K
C829	24590332	PLASTIC FILM, 50V 3300PF J
C831	24794470	ELECTORLYTIC, 16V 47UF M
C832	24794470	ELECTORLYTIC, 16V 47UF M
C833	24669100	ELECTROLYTIC, 50V 10UF M 3A
C834	24795100	ELECTROLYTIC, 25V 10UF M
C835	24794470	ELECTORLYTIC, 16V 47UF M
C836	24794470	ELECTORLYTIC, 16V 47UF M
C841	24669100	ELECTROLYTIC, 50V 10UF M 3A
C842	24669100	ELECTROLYTIC, 50V 10UF M 3A
C843	24567104	PLASTIC FILM, 50V 0.1UF J
C846	24567224	PLASTIC FILM, 50V 0.22UF J
C872	24669221	ELECTROLYTIC, 50V 220UF M 3A
C884	24086916	ELECTROLYTIC, 160V 330UF M 3D
C885	24214471	CERAMIC DISC, 500V B 470PF K
C887	24214471	CERAMIC DISC, 500V B 470PF K
C889	24669222	ELECTROLYTIC, 50V 2200UF M 3A
C890	24667222	ELECTROLYTIC, 25V 2200UF M 3A
C891	24667332	ELECTROLYTIC, 25V 3300UF M 3A
C892	24667222	ELECTROLYTIC, 25V 2200UF M 3A
C893	24092337	CERAMIC DISC, 2KV 220PF K
C895	24669470	ELECTROLYTIC, 50V 47UF M 3A
C896	24214471	CERAMIC DISC, 500V B 470PF K
C897	24667332	ELECTROLYTIC, 25V 3300UF M 3A
C898	24567224	PLASTIC FILM, 50V 0.22UF J
C899	24214471	CERAMIC DISC, 500V B 470PF K
C902	24092345	CERAMIC DISC, 2KV 1000PF K
C904	24436471	CERAMIC DISC, 50V SL 470PF J
C905	24436471	CERAMIC DISC, 50V SL 470PF J
C907	24436471	CERAMIC DISC, 50V SL 470PF J
C909	24679330	ELECTROLYTIC, 250V 33UF M 3A
C910	24797478	ELECTROLYTIC, 50V 0.47UF M

Location No.	Parts No.	Description
C911	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C912	24794102	ELECTROLYTIC, 16V 1000UF M
C913	24794101	ELECTROLYTIC, 16V 100UF M
C914	24212103	CERAMIC DISC, 50V B 10000PF K
C915	24092398	CERAMIC DISC, 25V 0.1UF Z, 24092398A NI TOOITSU
C920	24591104	PLASTIC FILM, 50V 0.1UF J
C921	24591104	PLASTIC FILM, 50V 0.1UF J
C930	24214101	CERAMIC DISC, 500V B 100PF K
C931	24214101	CERAMIC DISC, 500V B 100PF K
C940	24436390	CERAMIC DISC, 50V SL 39PFJ
C4376	24590103	PLASTIC FILM, 50V 0.01UF J
C4405	24590103	PLASTIC FILM, 50V 0.01UF J
C4408	24590103	PLASTIC FILM, 50V 0.01UF J
C4418	24590103	PLASTIC FILM, 50V 0.01UF J
C4425	24797010	ELECTROLYTIC, 50V 1UF M
C4426	24794101	ELECTROLYTIC, 16V 100UF M
C4447	24590103	PLASTIC FILM, 50V 0.01UF J
C4461	24503041	PLASTIC FILM , 63V 0.1UF J
CA03	24436180	CERAMIC DISC, 50V SL 18PF J
CA04	24436180	CERAMIC DISC, 50V SL 18PF J
CA09	24474101	CERAMIC, 50V B 100PF K
CA10	24474101	CERAMIC, 50V B 100PF K
CA12	24212101	CERAMIC DISC, 50V B 100PF K
CA13	24436101	CERAMIC DISC, 50V SL 100PF J
CA15	24474101	CERAMIC, 50V B 100PF K
CA16	24474101	CERAMIC, 50V B 100PF K
CA17	24474101	CERAMIC, 50V B 100PF K
CA33	24232103	CERAMIC DISC, 50V F 0.01UF Z
CA42	24794100	ELECTROLYTIC, 16V 10UF M
CA43	24232103	CERAMIC DISC, 50V F 0.01UF Z
CA44	24232103	CERAMIC DISC, 50V F 0.01UF Z
CA68	24794100	ELECTROLYTIC, 16V 10UF M
CA69	24232103	CERAMIC DISC, 50V F 0.01UF Z
CB01	24794470	ELECTORLYTIC, 16V 47UF M
CB02	24567104	PLASTIC FILM, 50V 0.1UF J
CB90	24232103	CERAMIC DISC, 50V F 0.01UF Z
CC15	24232103	CERAMIC DISC, 50V F 0.01UF Z
CC17	24232103	CERAMIC DISC, 50V F 0.01UF Z
CC20	24781220	CERAMIC CHIP, 50V SL 22PF J
CC26	24232103	CERAMIC DISC, 50V F 0.01UF Z
CC27	24232103	CERAMIC DISC, 50V F 0.01UF Z
CC31	24109102	CERAMIC CHIP, 50V B 1000PF K
CC45	24109102	CERAMIC CHIP, 50V B 1000PF K
CC46	24109102	CERAMIC CHIP, 50V B 1000PF K
CC62	24109102	CERAMIC CHIP, 50V B 1000PF K
CC63	24109102	CERAMIC CHIP, 50V B 1000PF K
CC65	24109102	CERAMIC CHIP, 50V B 1000PF K
CC66	24109102	CERAMIC CHIP, 50V B 1000PF K
CC67	24109102	CERAMIC CHIP, 50V B 1000PF K
CC68	24109102	CERAMIC CHIP, 50V B 1000PF K
CC69	24109102	CERAMIC CHIP, 50V B 1000PF K
CC70	24109102	CERAMIC CHIP, 50V B 1000PF K
CC71	24109102	CERAMIC CHIP, 50V B 1000PF K
CC72	24109102	CERAMIC CHIP, 50V B 1000PF K
CC73	24109102	CERAMIC CHIP, 50V B 1000PF K
CC74	24109102	CERAMIC CHIP, 50V B 1000PF K
CC75	24109102	CERAMIC CHIP, 50V B 1000PF K
CC76	24109102	CERAMIC CHIP, 50V B 1000PF K
CC98	24212102	CERAMIC DISC, 50V B 1000PF K
CC99	24212222	CERAMIC DISC, 50V B 2200PF K
CR01	24797010	ELECTROLYTIC, 50V 1UF M
CR02	24232103	CERAMIC DISC, 50V F 0.01UF Z
CR09	24567104	PLASTIC FILM, 50V 0.1UF J
CR10	24794470	ELECTORLYTIC, 16V 47UF M
CR11	24567104	PLASTIC FILM, 50V 0.1UF J
CR12	24567104	PLASTIC FILM, 50V 0.1UF J

Location No.	Parts No.	Description
CR13	24567104	PLASTIC FILM, 50V 0.1UF J
CR14	24567104	PLASTIC FILM, 50V 0.1UF J
CR18	24567104	PLASTIC FILM, 50V 0.1UF J
CR19	24567104	PLASTIC FILM, 50V 0.1UF J
CR20	24567104	PLASTIC FILM, 50V 0.1UF J
CS01	24085945	ELECTROLYTIC, NONPOLAR, 50V 2.2UF
CS02	24085945	ELECTROLYTIC, NONPOLAR, 50V 2.2UF
CS03	24797229	ELECTROLYTIC, 50V 2.2UF M
CS04	24797229	ELECTROLYTIC, 50V 2.2UF M
CS05	24797229	ELECTROLYTIC, 50V 2.2UF M
CS06	24797229	ELECTROLYTIC, 50V 2.2UF M
CS07	24797229	ELECTROLYTIC, 50V 2.2UF M
CS08	24797229	ELECTROLYTIC, 50V 2.2UF M
CS17	24794100	ELECTROLYTIC, 16V 10UF M
CS18	24794100	ELECTROLYTIC, 16V 10UF M
CS19	24797478	ELECTROLYTIC, 50V 0.47UF M
CS20	24797229	ELECTROLYTIC, 50V 2.2UF M
CS21	24797229	ELECTROLYTIC, 50V 2.2UF M
CS22	24794100	ELECTROLYTIC, 16V 10UF M
CS23	24794100	ELECTROLYTIC, 16V 10UF M
CT01	24792221	ELECTROLYTIC CE04G 6.3V 220UF M
CT02	24109103	CERAMIC CHIP, 50V B 0.01UF K
CT03	24109103	CERAMIC CHIP, 50V B 0.01UF K
CT04	24793101	ELECTROLYTIC, 10V 100UF M
CT05	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CT06	24793470	ELECTROLYTIC CE04G 10V 47UF M
CT07	24092538	CERAMIC CHIP, 10V F 1UF Z
CT08	24105560	CERAMIC CHIP, 50V CH 56PF J
CT09	24105560	CERAMIC CHIP, 50V CH 56PF J
CT10	24793470	ELECTROLYTIC CE04G 10V 47UF M
CT11	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CT12	24793470	ELECTROLYTIC CE04G 10V 47UF M
CT13	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CT14	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CT17	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CT19	24794100	ELECTROLYTIC, 16V 10UF M
CT20	24109103	CERAMIC CHIP, 50V B 0.01UF K
CT21	24794100	ELECTROLYTIC, 16V 10UF M
CT23	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV02	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV03	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV04	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV05	24814103	CERAMIC CHIP, 50V F 0.01UF Z
CV06	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV08	24666101	ELECTROLYTIC, 16V 100UF M 3A
CV09	24109473	CERAMIC CHIP, 25V B 0.047UF K
CV10	24794220	ELECTROLYTIC, 16V 22UF M
CV12	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV23	24794101	ELECTROLYTIC, 16V 100UF M
CV24	24109103	CERAMIC CHIP, 50V B 0.01UF K
CV35	24109103	CERAMIC CHIP, 50V B 0.01UF K
CV39	24666100	ELECTROLYTIC, 10V 10UF M 3A
CV40	24109103	CERAMIC CHIP, 50V B 0.01UF K
CV46	24212332	CERAMIC DISC, 50V B 3300PF K
CV47	24212332	CERAMIC DISC, 50V B 3300PF K
CV65	24794101	ELECTROLYTIC, 16V 100UF M
CV66	24794101	ELECTROLYTIC, 16V 100UF M
CX101	24794470	ELECTORLYTIC, 16V 47UF M
CX102	24085981	ELEC. NONPOLAR CE04J 16V 10UF M 11L NP
CX104	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX105	24774330	CERAMIC CHIP, 50V CH 33PF J
CX106	24774270	CERAMIC CHIP, 50V CH 27PF J
CX107	24774101	CERAMIC CHIP, 50V CH 100PF J
CX108	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX111	24092621	CERAMIC CHIP, 10V B 1UF K
CX112	24794100	ELECTROLYTIC, 16V 10UF M

Location No.	Parts No.	Description
CX113	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX114	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX115	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX116	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX117	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX118	24794100	ELECTROLYTIC, 16V 10UF M
CX119	24794100	ELECTROLYTIC, 16V 10UF M
CX120	24794100	ELECTROLYTIC, 16V 10UF M
CX121	24774470	CERAMIC CHIP, 50V CH 47PF J
CX122	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX123	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX124	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX125	24794100	ELECTROLYTIC, 16V 10UF M
CX126	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX128	24092441	CERAMIC CHIP, 16V F 1UF Z
CX129	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX130	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX143	24085981	ELEC. NONPOLAR CE04J 16V 10UF M 11L NP
CX145	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX148	24774101	CERAMIC CHIP, 50V CH 100PF J
CX149	24774470	CERAMIC CHIP, 50V CH 47PF J
CX150	24774271	CERAMIC CHIP, 50V CH 270PF J
CX151	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX152	24794100	ELECTROLYTIC, 16V 10UF M
CX155	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX156	24794100	ELECTROLYTIC, 16V 10UF M
CX157	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX159	24092441	CERAMIC CHIP, 16V F 1UF Z
CX160	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX163	24085981	ELEC. NONPOLAR CE04J 16V 10UF M 11L NP
CX165	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX168	24774101	CERAMIC CHIP, 50V CH 100PF J
CX169	24774470	CERAMIC CHIP, 50V CH 47PF J
CX170	24774271	CERAMIC CHIP, 50V CH 270PF J
CX171	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX172	24794100	ELECTROLYTIC, 16V 10UF M
CX176	24794100	ELECTROLYTIC, 16V 10UF M
CX177	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX179	24092441	CERAMIC CHIP, 16V F 1UF Z
CX180	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX184	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX185	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX186	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX187	24794100	ELECTROLYTIC, 16V 10UF M
CX188	24794100	ELECTROLYTIC, 16V 10UF M
CX189	24794100	ELECTROLYTIC, 16V 10UF M
CX190	24774330	CERAMIC CHIP, 50V CH 33PF J
CX191	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX192	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX193	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX201	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX202	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX204	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX205	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX206	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX208	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX209	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX211	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX212	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX214	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX215	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX216	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX218	24794221	ELECTROIYTIC, 16V 220UF M
CX221	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX222	24092293	CERAMIC CHIP, 25V F 0.1UF Z

Location No.	Parts No.	Description
CX224	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX225	24794220	ELECTROLYTIC, 16V 22UF M
CX226	24794101	ELECTROLYTIC, 16V 100UF M
CX227	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX228	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX230	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX231	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX232	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX234	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX235	24797229	ELECTROLYTIC, 50V 2.2UF M
CX236	24794101	ELECTROLYTIC, 16V 100UF M
CX237	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX238	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX239	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX240	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX241	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX243	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX244	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX245	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX246	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX247	24872331	CHIP, METAL FILM, 1/16W 330 OHM J
CX249	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX250	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX261	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX262	24774470	CERAMIC CHIP, 50V CH 47PF J
CX271	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX301	24794100	ELECTROLYTIC, 16V 10UF M
CX302	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX303	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX305	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX306	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX308	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX309	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX310	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX321	24794100	ELECTROLYTIC, 16V 10UF M
CX323	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX326	24774680	CERAMIC CHIP, 50VCH 68PF J
CX328	24774330	CERAMIC CHIP, 50V CH 33PF J
CX330	24794470	ELECTORLYTIC, 16V 47UF M
CX341	24794100	ELECTROLYTIC, 16V 10UF M
CX343	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX346	24774181	CERAMIC CHIP, 50V CH 180PF J
CX348	24774181	CERAMIC CHIP, 50V CH 180PF J
CX361	24794100	ELECTROLYTIC, 16V 10UF M
CX363	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX366	24774181	CERAMIC CHIP, 50V CH 180PF J
CX368	24774181	CERAMIC CHIP, 50V CH 180PF J
CX401	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX402	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX403	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX404	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX405	24794471	ELECTROLYTIC, 16V 470UF M
CX406	24794471	ELECTROLYTIC, 16V 470UF M
CX407	24774220	CERAMIC CHIP, 50V CH 22PF J
CX408	24774220	CERAMIC CHIP, 50V CH 22PF J
CX409	24774220	CERAMIC CHIP, 50V CH 22PF J
CX410	24774220	CERAMIC CHIP, 50V CH 22PF J
CX411	24774220	CERAMIC CHIP, 50V CH 22PF J
CX412	24774220	CERAMIC CHIP, 50V CH 22PF J
CX421	24774221	CERAMIC CHIP, 50V CH 220PF J
CX422	24774221	CERAMIC CHIP, 50V CH 220PF J
CX423	24774221	CERAMIC CHIP, 50V CH 220PF J
CX424	24774221	CERAMIC CHIP, 50V CH 220PF J
CX425	24774221	CERAMIC CHIP, 50V CH 220PF J
CX427	24774221	CERAMIC CHIP, 50V CH 220PF J
CX428	24774330	CERAMIC CHIP, 50V CH 33PF J
CX429	24774330	CERAMIC CHIP, 50V CH 33PF J

Location No.	Parts No.	Description
CX430	24774221	CERAMIC CHIP, 50V CH 220PF J
CX431	24073020	ELECTROLYTIC, 10V 1000UF M 3A
CX432	24092294	CERAMIC CHIP, 16V F 0.33UF Z
CX433	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX434	24092441	CERAMIC CHIP, 16V F 1UF Z
CX435	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CX436	24073035	ELECTROLYTIC, 16V 22UF M 3A
CZ01	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CZ02	24814103	CERAMIC CHIP, 50V F 0.01UF Z
CZ03	24092442	CERAMIC, CHIP, 16V F 470000PF Z
CZ05	24814103	CERAMIC CHIP, 50V F 0.01UF Z
CZ07	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CZ09	24781220	CERAMIC CHIP, 50V SL 22PF J
CZ10	24781100	CERAMIC CHIP, 50V SL 10PF D
CZ11	24781220	CERAMIC CHIP, 50V SL 22PF J
CZ12	24814103	CERAMIC CHIP, 50V F 0.01UF Z
CZ13	24814103	CERAMIC CHIP, 50V F 0.01UF Z
CZ14	24794100	ELECTROLYTIC, 16V 10UF M
CZ17	24814103	CERAMIC CHIP, 50V F 0.01UF Z
CZ19	24781181	CERAMIC CHIP, 50V SL 180PF J
CZ20	24814103	CERAMIC CHIP, 50V F 0.01UF Z
CZ21	24781122	CAPACITOR CERAMIC CHIP 50V SL 1200PFJ
CZ22	24794100	ELECTROLYTIC, 16V 10UF M
CZ23	24814103	CERAMIC CHIP, 50V F 0.01UF Z
CZ24	24814103	CERAMIC CHIP, 50V F 0.01UF Z
CZ25	24794100	ELECTROLYTIC, 16V 10UF M
CZ26	24814103	CERAMIC CHIP, 50V F 0.01UF Z
CZ28	24814103	CERAMIC CHIP, 50V F 0.01UF Z
CZ29	24814103	CERAMIC CHIP, 50V F 0.01UF Z
CZ30	24794100	ELECTROLYTIC, 16V 10UF M
CZ31	24092293	CERAMIC CHIP, 25V F 0.1UF Z
CZ32	24781101	CERAMIC CHIP, 50V SL 100PF J
CZ33	24781270	CERAMIC CHIP, 50V SL 27PF J
CZ34	24781101	CERAMIC CHIP, 50V SL 100PF J
CZ35	24781270	CERAMIC CHIP, 50V SL 27PF J
CZ37	24814103	CERAMIC CHIP, 50V F 0.01UF Z
CZ45	24781100	CERAMIC CHIP, 50V SL 10PF D
RESISTORS		
R101	24366101	CARBON FILM, 1/6W 100 OHM J
R101	24553223	OXIDE METAL FILM, 1W 22K OHM J
R102	24366103	CARBON FILM, 1/6W 10K OHM J
R203	24366823	CARBON FILM, 1/6W 82K OHM J
R204	24366104	CARBON FILM, 1/6W 100K OHM J
R205	24366101	CARBON FILM, 1/6W 100 OHM J
R206	24366471	CARBON FILM, 1/6W 470 OHM J
R208	24366103	CARBON FILM, 1/6W 10K OHM J
R209	24366103	CARBON FILM, 1/6W 10K OHM J
R210	24366101	CARBON FILM, 1/6W 100 OHM J
R211	24366473	CARBON FILM, 1/6W 47K OHM J
R211	24366473	CARBON FILM, 1/6W 47K OHM J
R212	24366101	CARBON FILM, 1/6W 100 OHM J
R213	24366681	CARBON FILM, 1/6W 680 OHM J
R214	24366681	CARBON FILM, 1/6W 680 OHM J
R215	24366681	CARBON FILM, 1/6W 680 OHM J
R216	24366103	CARBON FILM, 1/6W 10K OHM J
R217	24366392	CARBON FILM, 1/6W 3.9K OHM J
R218	24366101	CARBON FILM, 1/6W 100 OHM J
R219	24366101	CARBON FILM, 1/6W 100 OHM J
R219	24366473	CARBON FILM, 1/6W 47K OHM J
R220	24366101	CARBON FILM, 1/6W 100 OHM J
R223	24366472	CARBON FILM, 1/6W 4.7K OHM J
R227	24366223	CARBON FILM, 1/6W 22K OHM J
R229	24366472	CARBON FILM, 1/6W 4.7K OHM J
R231	24366222	CARBON FILM, 1/6W 2.2K OHM J
R235	24366222	CARBON FILM, 1/6W 2.2K OHM J

Location No.	Parts No.	Description
R236	24366101	CARBON FILM, 1/6W 100 OHM J
R237	24366101	CARBON FILM, 1/6W 100 OHM J
R238	24366562	CARBON FILM, 1/6W 5.6K OHM J
R260	24366222	CARBON FILM, 1/6W 2.2K OHM J
R261	24366681	CARBON FILM, 1/6W 680 OHM J
R262	24366102	CARBON FILM, 1/6W 1K OHM J
R263	24366102	CARBON FILM, 1/6W 1K OHM J
R264	24366103	CARBON FILM, 1/6W 10K OHM J
R265	24366392	CARBON FILM, 1/6W 3.9K OHM J
R266	24366332	CARBON FILM, 1/6W 3.3K OHM J
R267	24366101	CARBON FILM, 1/6W 100 OHM J
R269	24366391	CARBON FILM, 1/6W 390 OHM J
R270	24366102	CARBON FILM, 1/6W 1K OHM J
R271	24366472	CARBON FILM, 1/6W 4.7K OHM J
R271	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R272	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R299	24366824	CARBON FILM, 1/6W 820K OHM J
R303	24321109	OXIDE METAL FILM, 1/2W 1 OHM J
R305	24323828	OXIDE METAL FILM, 2W 0.82 OHM J
R307	24366101	CARBON FILM, 1/6W 100 OHM J
R312	24366153	CARBON FILM, 1/6W 15K OHM J
R313	24366132	CARBON FILM, 1/6W 1.3K OHM J
R314	24366102	CARBON FILM, 1/6W 1K OHM J
R315	24366332	CARBON FILM, 1/6W 3.3K OHM J
R315	24366474	CARBON FILM, 1/6W 470K OHM J
R316	24366394	CARBON FILM, 1/6W 390K OHM J
R317	24366511	CARBON FILM, 1/6W 510 OHM J
R318	24366101	CARBON FILM, 1/6W 100 OHM J
R319	24366101	CARBON FILM, 1/6W 100 OHM J
R320	24366155	CARBON FILM, 1/6W 1.5M OHM J
R326	24339109	METAL FILM, 2W 1 OHM J
R327	24339109	METAL FILM, 2W 1 OHM J
R330	24367103	CARBON FILM, 1/6W 10K OHM G
R331	24366104	CARBON FILM, 1/6W 100K OHM J
R333	24367512	CARBON FILM, 1/6W 5.1K OHM G
R335	24366153	CARBON FILM, 1/6W 15K OHM J
R336	24383331	OXIDE METAL FILM, 2W 330 OHM J
R338	24367472	CARBON FILM, 1/6W 4.7K OHM G
R341	24366822	CARBON FILM, 1/6W 8.2K OHM J
R343	24366273	CARBON FILM, 1/6W 27K OHM J
R353	24366471	CARBON FILM, 1/6W 470 OHM J
R360	24366223	CARBON FILM, 1/6W 22K OHM J
R364	24366223	CARBON FILM, 1/6W 22K OHM J
R365	24366223	CARBON FILM, 1/6W 22K OHM J
R366	24366472	CARBON FILM, 1/6W 4.7K OHM J
R370	24366822	CARBON FILM, 1/6W 8.2K OHM J
R371	24366103	CARBON FILM, 1/6W 10K OHM J
R372	24366220	CARBON FILM, 1/6W 22 OHM J
R373	24366103	CARBON FILM, 1/6W 10K OHM J
R374	24366472	CARBON FILM, 1/6W 4.7K OHM J
R375	24552150	OXIDE METAL FILM, 1/2W 15 OHM J
R400	24946561	CARBON COMPOSITION, 1/2W 560 OHM K
R402	24366102	CARBON FILM, 1/6W 1K OHM J
R403	24946223	CARBON COMPOSITION GF 1/2W 22K K
R403	24366302	CARBON FILM, 1/6W 3K OHM J
R405	24553682	OXIDE METAL FILM, 1W 6.8K OHM J
R407	24366103	CARBON FILM, 1/6W 10K OHM J
R410	24366103	CARBON FILM, 1/6W 10K OHM J
R411	24366180	CARBON FILM, 1/6W 18 OHM J
R414	24531560	FUSIBLE, 1/2W 56 OHM J
R415	24366101	CARBON FILM, 1/6W 100 OHM J
R415	24553561	OXIDE METAL FILM, 1W 560 OHM J
R416	24381563	OXIDE METAL FILM, 1/2W 56K OHM J
R417	24510101	CERAMIC COVERED, 5W 100 OHM J
R424	24366152	CARBON FILM, 1/6W 1.5K OHM J
R425	24366182	CARBON FILM, 1/6W 1.8K OHM J
R426	24366751	CARBON FILM, 1/6W 750 OHM J

Location No.	Parts No.	Description
R427	24366392	CARBON FILM, 1/6W 3.9K OHM J
R428	24366561	CARBON FILM, 1/6W 560 OHM J
R429	24552560	OXIDE METAL FILM, 1/2W 56 OHM J
R431	24366103	CARBON FILM, 1/6W 10K OHM J
R432	24366473	CARBON FILM, 1/6W 47K OHM J
R433	24366681	CARBON FILM, 1/6W 680 OHM J
R434	24366472	CARBON FILM, 1/6W 4.7K OHM J
R435	24366184	CARBON FILM, 1/6W 18OK OHM J
R441	24383561	OXIDE METAL FILM, 2W 560 OHM J
R445	24321129	OXIDE METAL FILM, 1/2W 1.2 OHM J
R460	24552332	OXIDE METAL FILM, 1/2W 3.3K OHM J
R461	24381182	OXIDE METAL FILM, 1/2W 1.8K OHM J
R462	24366333	CARBON FILM, 1/6W 33K OHM J
R463	24323229	OXIDE METAL FILM, 2W 2.2 OHM J
R464	24366273	CARBON FILM, 1/6W 27K OHM J
R465	24366101	CARBON FILM, 1/6W 100 OHM J
R466	24366272	CARBON FILM, 1/6W 2.7K OHM J
R467	24327224	METAL FILM, 1/4W 220K OHM F
R469	24000211	FUSIBLE, 1/2W 15 OHM J
R470	24339568	OXIDE METAL FILM, 2W 0.56 OHM J
R471	24531271	FUSIBLE, 1/2W 270 OHM J
R472	24366101	CARBON FILM, 1/6W 100 OHM J
R473	24366101	CARBON FILM, 1/6W 100 OHM J
R473	24366183	CARBON FILM, 1/6W 18K OHM J
R474	24376393	CARBON FILM, 1/2W 39K OHM J
R474	24366101	CARBON FILM, 1/6W 100 OHM J
R476	24366471	CARBON FILM, 1/6W 470 OHM J
R477	24366102	CARBON FILM, 1/6W 1K OHM J
R478	24381333	OXIDE METAL FILM, 1/2W 33K OHM J
R479	24531680	FUSIBLE, 1/2W 68 OHM J
R480	24552222	OXIDE METAL FILM, 1/2W 2.2K OHM J
R481	24366223	CARBON FILM, 1/6W 22K OHM J
R482	24366183	CARBON FILM, 1/6W 18K OHM J
R483	24366223	CARBON FILM, 1/6W 22K OHM J
R487	24366474	CARBON FILM, 1/6W 470K OHM J
R488	24366154	CARBON FILM, 1/6W 150K OHM J
R489	24366102	CARBON FILM, 1/6W 1K OHM J
R490	24366101	CARBON FILM, 1/6W 100 OHM J
R491	24366101	CARBON FILM, 1/6W 100 OHM J
R492	24366472	CARBON FILM, 1/6W 4.7K OHM J
R499	24366101	CARBON FILM, 1/6W 100 OHM J
R501	24872682	CHIP, METAL FILM, 1/16W 6.8K OHM J
R502	24366101	CARBON FILM, 1/6W 100 OHM J
R502	24872272	CHIP, METAL FILM, 1/16W 2.7K OHM J
R503	24366101	CARBON FILM, 1/6W 100 OHM J
R504	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R505	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
R506	24872273	CHIP, METAL FILM, 1/16W 27K OHM J
R507	24872392	CHIP, METAL FILM, 1/16W 3.9K OHM J
R512	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R513	24366472	CARBON FILM, 1/6W 4.7K OHM J
R513	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R514	24366101	CARBON FILM, 1/6W 100 OHM J
R514	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R515	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R516	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R517	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R518	24366102	CARBON FILM, 1/6W 1K OHM J
R518	24366681	CARBON FILM, 1/6W 680 OHM J
R519	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R520	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R521	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R612	24366103	CARBON FILM, 1/6W 10K OHM J
R613	24366224	CARBON FILM, 1/6W 220K OHM J
R661	24510159	CERAMIC COVERD, 5W 1.5 OHM J
R662	24366104	CARBON FILM, 1/6W 100K OHM J
R670	24366222	CARBON FILM, 1/6W 2.2K OHM J

Location No.	Parts No.	Description
R671	24366822	CARBON FILM, 1/6W 8.2K OHM J
R672	24366222	CARBON FILM, 1/6W 2.2K OHM J
R673	24366822	CARBON FILM, 1/6W 8.2K OHM J
R676	24366223	CARBON FILM, 1/6W 22K OHM J
R677	24366223	CARBON FILM, 1/6W 22K OHM J
R678	24366682	CARBON FILM, 1/6W 6.8K OHM J
R679	24366682	CARBON FILM, 1/6W 6.8K OHM J
R684	24366229	CARBON FILM, 1/6W 2.2 OHM J
R685	24366229	CARBON FILM, 1/6W 2.2 OHM J
R686	24366229	CARBON FILM, 1/6W 2.2 OHM J
R688	24366222	CARBON FILM, 1/6W 2.2K OHM J
R702	24552221	OXIDE METAL FILM, 1/2W 220 OHM J
R712	24366101	CARBON FILM, 1/6W 100 OHM J
R715	24366223	CARBON FILM, 1/6W 22K OHM J
R716	24366273	CARBON FILM, 1/6W 27K OHM J
R717	24366183	CARBON FILM, 1/6W 18K OHM J
R718	24366681	CARBON FILM, 1/6W 680 OHM J
R722	24552471	OXIDE METAL FILM, 1/2W 470 OHM J
R723	24366101	CARBON FILM, 1/6W 100 OHM J
R724	24366181	CARBON FILM, 1/6W 180 OHM J
R725	24366821	CARBON FILM, 1/6W 820 OHM J
R730	24552100	OXIDE METAL FILM, 1/2W 10 OHM J
R731	24553331	OXIDE METAL FILM, 1W 330 OHM J
R732	24366220	CARBON FILM, 1/6W 22 OHM J
R733	24366683	CARBON FILM, 1/6W 68K OHM J
R734	24366220	CARBON FILM, 1/6W 22 OHM J
R735	24366683	CARBON FILM, 1/6W 68K OHM J
R736	24366470	CARBON FILM, 1/6W 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	24366470	CARBON FILM, 1/6W 47 OHM J
R741	24366229	CARBON FILM, 1/6W 2.2 OHM J
R742	24366229	CARBON FILM, 1/6W 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	24009954	METAL FILN, 1/2W 2.2M OHM J
R803	24383333	OXIDE METAL FILM, 2W 33K OHM J
R804	24366334	CARBON FILM, 1/6W 330K OHM J
R805	24366681	CARBON FILM, 1/6W 680 OHM J
R807	24366334	CARBON FILM, 1/6W 330K OHM J
R808	24019484	THERMISTOR, PTC, AC265 4R5A
R809	24366393	CARBON FILM, 1/6W 39K OHM J
R810	24568159	CERAMIC COVERED, 7W 1.5 OHM J
R814	24366682	CARBON FILM, 1/6W 6.8K OHM J
R815	24366332	CARBON FILM, 1/6W 3.3K OHM J
R818	24019460	METAL PLATE, 2W 0.1 OHM J
R819	24310829	OXIDE METAL FILM, 1/2W 8.2 OHM J
R821	24366101	CARBON FILM, 1/6W 100 OHM J
R822	24552103	OXIDE METAL FILM, 1/2W 10K OHM J
R823	24552822	OXIDE METAL FILM, 1/2W 8.2K OHM J
R824	24569689	CERAMIC COVERED, 10W 6.8 OHM J
R827	24366681	CARBON FILM, 1/6W 680 OHM J
R828	24366821	CARBON FILM, 1/6W 820 OHM J
R829	24321338	OXIDE METAL FILM, 1/2W 0.33 OHM J
R831	24366471	CARBON FILM, 1/6W 470 OHM J
R832	24366472	CARBON FILM, 1/6W 4.7K OHM J
R833	24366222	CARBON FILM, 1/6W 2.2K OHM J
R834	24366471	CARBON FILM, 1/6W 470 OHM J
R835	24322229	OXIDE METAL FILM, 1W 2.2 OHM J
R841	24531120	FUSIBLE, 1/2W 12 OHM J
R842	24552392	OXIDE METAL FILM, 1/2W 3.9K OHM J
R843	24366331	CARBON FILM, 1/6W 330 OHM J
R846	24366101	CARBON FILM, 1/6W 100 OHM J
R847	24366472	CARBON FILM, 1/6W 4.7K OHM J
R849	24366471	CARBON FILM, 1/6W 470 OHM J

Location No.	Parts No.	Description
R850	24366103	CARBON FILM, 1/6W 10K OHM J
R851	24366102	CARBON FILM, 1/6W 1K OHM J
R852	24366225	CARBON FILM, 1/6W 2.2M OHM J
R865	24366332	CARBON FILM, 1/6W 3.3K OHM J
R868	24366472	CARBON FILM, 1/6W 4.7K OHM J
⚠ R899	24005015	METAL GLAZE, 1W 8.2M OHM J
R901	24376471	RESISTOR CARBON FILM, 1/2W 470 OHM J
R902	24376471	RESISTOR CARBON FILM, 1/2W 470 OHM J
R903	24376471	RESISTOR CARBON FILM, 1/2W 470 OHM J
R904	24366472	CARBON FILM, 1/6W 4.7K OHM J
R905	24366150	CARBON FILM, 1/6W 15 OHM J
R909	24366100	CARBON FILM, 1/6W 10 OHM J
R914	24366471	CARBON FILM, 1/6W 470 OHM J
R915	24366680	CARBON FILM, 1/6W 68 OHM J
R916	24366270	CARBON FILM, 1/6W 27 OHM J
R917	24366471	CARBON FILM, 1/6W 470 OHM J
R918	24366180	CARBON FILM, 1/6W 18 OHM J
R920	24000883	FUSIBLE, 1W 3.6 OHM J
R921	24366471	CARBON FILM, 1/6W 470 OHM J
R922	24366680	CARBON FILM, 1/6W 68 OHM J
R924	24366180	CARBON FILM, 1/6W 18 OHM J
R925	24366471	CARBON FILM, 1/6W 470 OHM J
R928	24366471	CARBON FILM, 1/6W 470 OHM J
R929	24366680	CARBON FILM, 1/6W 68 OHM J
R930	24366180	CARBON FILM, 1/6W 18 OHM J
R932	24366332	CARBON FILM, 1/6W 3.3K OHM J
R933	24366750	CARBON FILM, 1/6W 75 OHM J
R934	24366361	CARBON FILM, 1/6W 360 OHM J
R935	24366102	CARBON FILM, 1/6W 1K OHM J
R936	24366750	CARBON FILM, 1/6W 75 OHM J
R937	24366471	CARBON FILM, 1/6W 470 OHM J
R939	24366680	CARBON FILM, 1/6W 68 OHM J
R942	24366392	CARBON FILM, 1/6W 3.9K OHM J
R943	24366392	CARBON FILM, 1/6W 3.9K OHM J
R944	24366392	CARBON FILM, 1/6W 3.9K OHM J
R945	24366270	CARBON FILM, 1/6W 27 OHM J
R946	24366270	CARBON FILM, 1/6W 27 OHM J
R950	24060356	VARIABLE, METAL 16B 0.6W 20M OHM M
R960	24383153	OXIDE METAL FILM, 2W 15K OHM J
R961	24383153	OXIDE METAL FILM, 2W 15K OHM J
R962	24383153	OXIDE METAL FILM, 2W 15K OHM J
R963	24383153	OXIDE METAL FILM, 2W 15K OHM J
R964	24383153	OXIDE METAL FILM, 2W 15K OHM J
R965	24383153	OXIDE METAL FILM, 2W 15K OHM J
R966	24383153	OXIDE METAL FILM, 2W 15K OHM J
R967	24383153	OXIDE METAL FILM, 2W 15K OHM J
R968	24383153	OXIDE METAL FILM, 2W 15K OHM J
R969	24366101	CARBON FILM, 1/6W 100 OHM J
R970	24366101	CARBON FILM, 1/6W 100 OHM J
R971	24366101	CARBON FILM, 1/6W 100 OHM J
R977	24366561	CARBON FILM, 1/6W 560 OHM J
R980	24366471	CARBON FILM, 1/6W 470 OHM J
R981	24366471	CARBON FILM, 1/6W 470 OHM J
R982	24366682	CARBON FILM, 1/6W 6.8K OHM J
R983	24366222	CARBON FILM, 1/6W 2.2K OHM J
R984	24366821	CARBON FILM, 1/6W 820 OHM J
R985	24367471	CARBON FILM, 1/6W 470 OHM G
R986	24367681	CARBON FILM, 1/6W 680 OHM G
R987	24367681	CARBON FILM, 1/6W 680 OHM G
R988	24367472	CARBON FILM, 1/6W 4.7K OHM G
R989	24367472	CARBON FILM, 1/6W 4.7K OHM G
R990	24366561	CARBON FILM, 1/6W 560 OHM J
R991	24367391	CARBON FILM, 1/6W 390 OHM G
R992	24366150	CARBON FILM, 1/6W 15 OHM J
R4222	24366472	CARBON FILM, 1/6W 4.7K OHM J
R4223	24366103	CARBON FILM, 1/6W 10K OHM J
R4224	24366272	CARBON FILM, 1/6W 2.7K OHM J

Location No.	Parts No.	Description
R4225	24366102	CARBON FILM, 1/6W 1K OHM J
R4310	24366183	CARBON FILM, 1/6W 18K OHM J
R4403	24366101	CARBON FILM, 1/6W 100 OHM J
R4404	24366101	CARBON FILM, 1/6W 100 OHM J
R4406	24366752	CARBON FILM, 1/6W 7.5K OHM J
R4407	24366361	CARBON FILM, 1/6W 360 OHM J
R4410	24366103	CARBON FILM, 1/6W 10K OHM J
R4411	24366103	CARBON FILM, 1/6W 10K OHM J
R4416	24366101	CARBON FILM, 1/6W 100 OHM J
R4417	24366101	CARBON FILM, 1/6W 100 OHM J
R4418	24366102	CARBON FILM, 1/6W 1K OHM J
R4419	24366103	CARBON FILM, 1/6W 10K OHM J
R4425	24552471	OXIDE METAL FILM, 1/2W 470 OHM J
R4426	24366152	CARBON FILM, 1/6W 1.5K OHM J
R4460	24366102	CARBON FILM, 1/6W 1K OHM J
R4461	24366102	CARBON FILM, 1/6W 1K OHM J
R4462	24366133	CARBON FILM, 1/6W 13K OHM J
R4463	24366432	CARBON FILM, 1/6W 4.3K OHM J
R4464	24366223	CARBON FILM, 1/6W 22K OHM J
R4472	24366153	CARBON FILM, 1/6W 15K OHM J
R4799	24366103	CARBON FILM, 1/6W 10K OHM J
RA01	24366102	CARBON FILM, 1/6W 1K OHM J
RA03	24366102	CARBON FILM, 1/6W 1K OHM J
RA04	24366102	CARBON FILM, 1/6W 1K OHM J
RA05	24366102	CARBON FILM, 1/6W 1K OHM J
RA07	24366102	CARBON FILM, 1/6W 1K OHM J
RA08	24366102	CARBON FILM, 1/6W 1K OHM J
RA09	24366682	CARBON FILM, 1/6W 6.8K OHM J
RA10	24366682	CARBON FILM, 1/6W 6.8K OHM J
RA11	24366331	CARBON FILM, 1/6W 330 OHM J
RA12	24366331	CARBON FILM, 1/6W 330 OHM J
RA13	24366153	CARBON FILM, 1/6W 15K OHM J
RA14	24366103	CARBON FILM, 1/6W 10K OHM J
RA16	24366102	CARBON FILM, 1/6W 1K OHM J
RA17	24366102	CARBON FILM, 1/6W 1K OHM J
RA18	24366102	CARBON FILM, 1/6W 1K OHM J
RA19	24366331	CARBON FILM, 1/6W 330 OHM J
RA20	24366331	CARBON FILM, 1/6W 330 OHM J
RA21	24366331	CARBON FILM, 1/6W 330 OHM J
RA22	24366331	CARBON FILM, 1/6W 330 OHM J
RA23	24366472	CARBON FILM, 1/6W 4.7K OHM J
RA24	24366472	CARBON FILM, 1/6W 4.7K OHM J
RA25	24366103	CARBON FILM, 1/6W 10K OHM J
RA26	24366102	CARBON FILM, 1/6W 1K OHM J
RA27	24366102	CARBON FILM, 1/6W 1K OHM J
RA29	24366104	CARBON FILM, 1/6W 100K OHM J
RA29	24366102	CARBON FILM, 1/6W 1K OHM J
RA30	24366103	CARBON FILM, 1/6W 10K OHM J
RA30	24366102	CARBON FILM, 1/6W 1K OHM J
RA31	24366561	CARBON FILM, 1/6W 560 OHM J
RA33	24366103	CARBON FILM, 1/6W 10K OHM J
RA35	24366102	CARBON FILM, 1/6W 1K OHM J
RA37	24366101	CARBON FILM, 1/6W 100 OHM J
RA38	24366101	CARBON FILM, 1/6W 100 OHM J
RA40	24366331	CARBON FILM, 1/6W 330 OHM J
RA41	24366273	CARBON FILM, 1/6W 27K OHM J
RA43	24366102	CARBON FILM, 1/6W 1K OHM J
RA44	24366103	CARBON FILM, 1/6W 10K OHM J
RA62	24366102	CARBON FILM, 1/6W 1K OHM J
RA63	24366102	CARBON FILM, 1/6W 1K OHM J
RA65	24366103	CARBON FILM, 1/6W 10K OHM J
RA66	24366103	CARBON FILM, 1/6W 10K OHM J
RA67	24366472	CARBON FILM, 1/6W 4.7K OHM J
RA68	24366472	CARBON FILM, 1/6W 4.7K OHM J
RA70	24366333	CARBON FILM, 1/6W 33K OHM J
RA71	24366683	CARBON FILM, 1/6W 68K OHM J
RA72	24366223	CARBON FILM, 1/6W 22K OHM J

Location No.	Parts No.	Description
RA73	24366103	CARBON FILM, 1/6W 10K OHM J
RA75	24366333	CARBON FILM, 1/6W 33K OHM J
RA76	24366103	CARBON FILM, 1/6W 10K OHM J
RA77	24366683	CARBON FILM, 1/6W 68K OHM J
RA78	24366102	CARBON FILM, 1/6W 1K OHM J
RA78	24366223	CARBON FILM, 1/6W 22K OHM J
RA80	24366331	CARBON FILM, 1/6W 330 OHM J
RA81	24366331	CARBON FILM, 1/6W 330 OHM J
RA85	24366102	CARBON FILM, 1/6W 1K OHM J
RA89	24366152	CARBON FILM, 1/6W 1.5K OHM J
RB01	24366471	CARBON FILM, 1/6W 470 OHM J
RB03	24366101	CARBON FILM, 1/6W 100 OHM J
RB09	24366470	CARBON FILM, 1/6W 47 OHM J
RB10	24366101	CARBON FILM, 1/6W 100 OHM J
RB11	24366103	CARBON FILM, 1/6W 10K OHM J
RB30	24366103	CARBON FILM, 1/6W 10K OHM J
RB43	24366103	CARBON FILM, 1/6W 10K OHM J
RB44	24366103	CARBON FILM, 1/6W 10K OHM J
RB45	24366101	CARBON FILM, 1/6W 100 OHM J
RB81	24366122	CARBON FILM, 1/6W 1.2K OHM J
RB82	24366123	CARBON FILM, 1/6W 12K OHM J
RB83	24366123	CARBON FILM, 1/6W 12K OHM J
RB84	24366562	CARBON FILM, 1/6W 5.6K OHM J
RB90	24366392	CARBON FILM, 1/6W 3.9K OHM J
RB91	24366473	CARBON FILM, 1/6W 47K OHM J
RB92	24366271	CARBON FILM, 1/6W 270 OHM J
RB93	24366271	CARBON FILM, 1/6W 270 OHM J
RB94	24366222	CARBON FILM, 1/6W 2.2K OHM J
RB95	24366222	CARBON FILM, 1/6W 2.2K OHM J
RB96	24366273	CARBON FILM, 1/6W 27K OHM J
RB97	24366273	CARBON FILM, 1/6W 27K OHM J
RB98	24366102	CARBON FILM, 1/6W 1K OHM J
RC01	24000824	CHIP JUMPER, 2125TYPE
RC02	24000824	CHIP JUMPER, 2125TYPE
RC60	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC61	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC62	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC63	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC65	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC66	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC67	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC68	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RD06	24366102	CARBON FILM, 1/6W 1K OHM J
RD08	24366102	CARBON FILM, 1/6W 1K OHM J
RD10	24366102	CARBON FILM, 1/6W 1K OHM J
RD16	24366333	CARBON FILM, 1/6W 33K OHM J
RD28	24366102	CARBON FILM, 1/6W 1K OHM J
RJ01	24366103	CARBON FILM, 1/6W 10K OHM J
RJ02	24366102	CARBON FILM, 1/6W 1K OHM J
RJ04	24366102	CARBON FILM, 1/6W 1K OHM J
RJ05	24323479	METAL FILM, 2W 4.7 OHM J
RJ06	24366103	CARBON FILM, 1/6W 10K OHM J
RR01	24366102	CARBON FILM, 1/6W 1K OHM J
RR02	24366104	CARBON FILM, 1/6W 100K OHM J
RR03	24366222	CARBON FILM, 1/6W 2.2K OHM J
RR04	24366101	CARBON FILM, 1/6W 100 OHM J
RR05	24366102	CARBON FILM, 1/6W 1K OHM J
RR06	24366223	CARBON FILM, 1/6W 22K OHM J
RR07	24366152	CARBON FILM, 1/6W 1.5K OHM J
RR10	24366102	CARBON FILM, 1/6W 1K OHM J
RR11	24366681	CARBON FILM, 1/6W 680 OHM J
RR12	24366152	CARBON FILM, 1/6W 1.5K OHM J
RR13	24366152	CARBON FILM, 1/6W 1.5K OHM J
RR15	24366391	CARBON FILM, 1/6W 390 OHM J
RR16	24366391	CARBON FILM, 1/6W 390 OHM J
RR17	24366391	CARBON FILM, 1/6W 390 OHM J
RR18	24366102	CARBON FILM, 1/6W 1K OHM J

Location No.	Parts No.	Description
RR22	24366103	CARBON FILM, 1/6W 10K OHM J
RR23	24366103	CARBON FILM, 1/6W 10K OHM J
RR32	24366331	CARBON FILM, 1/6W 330 OHM J
RR33	24366331	CARBON FILM, 1/6W 330 OHM J
RR34	24366331	CARBON FILM, 1/6W 330 OHM J
RR35	24366392	CARBON FILM, 1/6W 3.9K OHM J
RR36	24366392	CARBON FILM, 1/6W 3.9K OHM J
RR37	24366392	CARBON FILM, 1/6W 3.9K OHM J
RR40	24366102	CARBON FILM, 1/6W 1K OHM J
RR48	24366102	CARBON FILM, 1/6W 1K OHM J
RR74	24366102	CARBON FILM, 1/6W 1K OHM J
RR75	24366102	CARBON FILM, 1/6W 1K OHM J
RR76	24366102	CARBON FILM, 1/6W 1K OHM J
RR77	24366102	CARBON FILM, 1/6W 1K OHM J
RR78	24366102	CARBON FILM, 1/6W 1K OHM J
RS01	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RS02	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RS03	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS04	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS05	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS06	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS07	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS08	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS09	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS10	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS11	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS12	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS13	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS14	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS27	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS28	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS29	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS30	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS31	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS32	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS35	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS36	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS37	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS38	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS41	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS42	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS43	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RS44	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RS47	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS48	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS51	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS52	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RT01	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RT02	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RT03	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RT04	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RT05	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RT06	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RT07	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RT08	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RT09	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RT10	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RT11	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RT12	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RT13	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RT14	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RT15	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RT16	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RT18	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RT19	24000445	CHIP JUMPER, 1608TYPE
RT20	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RT21	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J

Location No.	Parts No.	Description
RT22	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RT23	24000445	CHIP JUMPER, 1608TYPE
RT24	24000594	CHIP, 1/16W 12K OHM F
RT26	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RT27	24000594	CHIP, 1/16W 12K OHM F
RT28	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RT29	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RT30	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RT31	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RT32	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RT33	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RT34	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RT35	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RT37	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RT38	24011151	CHIP, METAL FILM, 1/20W 150 OHM J
RT39	24011561	CHIP, METAL FILM, 1/20W 560 OHM J
RT40	24011151	CHIP, METAL FILM, 1/20W 150 OHM J
RT42	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RT43	24011151	CHIP, METAL FILM, 1/20W 150 OHM J
RT44	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RV05	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV06	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
RV07	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RV08	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RV09	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV10	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV22	24366222	CARBON FILM, 1/6W 2.2K OHM J
RV23	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
RV24	24366181	CARBON FILM, 1/6W 180 OHM J
RV25	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV26	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV27	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV28	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RV29	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RV30	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV31	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV32	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV33	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RV34	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RV37	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV41	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV60	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV61	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
RV62	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV63	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV64	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV65	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
RV66	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV67	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV68	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV70	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV71	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RV80	24366681	CARBON FILM, 1/6W 680 OHM J
RV81	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV82	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV83	24366681	CARBON FILM, 1/6W 680 OHM J
RV85	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV86	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV87	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV88	24872151	CHIP, METAL FILM, 1/16W 150 OHM J
RV89	24872151	CHIP, METAL FILM, 1/16W 150 OHM J
RV95	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV96	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV97	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RX101	24872393	CHIP, METAL FILM, 1/16W 39K OHM J
RX102	24872153	CHIP, METAL FILM, 1/16W 15K OHM J
RX103	24872221	CHIP, METAL FILM, 1/16W 220 OHM J

Location No.	Parts No.	Description
RX104	24872392	CHIP, METAL FILM, 1/16W 3.9K OHM J
RX106	24872331	CHIP, METAL FILM, 1/16W 330 OHM J
RX107	24872821	CHIP, METAL FILM, 1/16W 820 OHM J
RX108	24872680	CHIP, METAL FILM, 1/16W 68 OHM J
RX109	24872122	CHIP, METAL FILM, 1/16W 1.2K OHM J
RX110	24872122	CHIP, METAL FILM, 1/16W 1.2K OHM J
RX111	24872681	CHIP, METAL FILM, 1/16W 680 OHM J
RX112	24872470	CHIP, METAL FILM, 1/16W 47 OHM J
RX113	24872471	CHIP, METAL FILM, 1/16W 470 OHM J
RX114	24872681	CHIP, METAL FILM, 1/16W 680 OHM J
RX115	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX116	24872681	CHIP, METAL FILM, 1/16W 680 OHM J
RX117	24872201	CHIP, METAL FILM, 1/16W 200 OHM J
RX118	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
RX119	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX120	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX121	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX122	24872122	CHIP, METAL FILM, 1/16W 1.2K OHM J
RX123	24872331	CHIP, METAL FILM, 1/16W 330 OHM J
RX124	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX125	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX130	24872561	CHIP, METAL FILM, 1/16W 560 OHM J
RX131	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RX141	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX143	24872393	CHIP, METAL FILM, 1/16W 39K OHM J
RX144	24872153	CHIP, METAL FILM, 1/16W 15K OHM J
RX145	24872201	CHIP, METAL FILM, 1/16W 200 OHM J
RX146	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
RX147	24872681	CHIP, METAL FILM, 1/16W 680 OHM J
RX150	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX152	24872331	CHIP, METAL FILM, 1/16W 330 OHM J
RX155	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RX156	24872272	CHIP, METAL FILM, 1/16W 2.7K OHM J
RX157	24872471	CHIP, METAL FILM, 1/16W 470 OHM J
RX158	24872471	CHIP, METAL FILM, 1/16W 470 OHM J
RX161	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX163	24872393	CHIP, METAL FILM, 1/16W 39K OHM J
RX164	24872153	CHIP, METAL FILM, 1/16W 15K OHM J
RX165	24872201	CHIP, METAL FILM, 1/16W 200 OHM J
RX166	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
RX167	24872681	CHIP, METAL FILM, 1/16W 680 OHM J
RX170	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX172	24872331	CHIP, METAL FILM, 1/16W 330 OHM J
RX175	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RX176	24872272	CHIP, METAL FILM, 1/16W 2.7K OHM J
RX177	24872471	CHIP, METAL FILM, 1/16W 470 OHM J
RX178	24872471	CHIP, METAL FILM, 1/16W 470 OHM J
RX179	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX180	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX181	24872680	CHIP, METAL FILM, 1/16W 68 OHM J
RX185	24872470	CHIP, METAL FILM, 1/16W 47 OHM J
RX186	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX191	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
RX192	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
RX193	24872100	CHIP, METAL FILM, 1/16W 10 OHM J
RX201	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RX202	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RX203	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RX204	24000824	CHIP JUMPER, 2125TYPE
RX205	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
RX206	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
RX207	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
RX208	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
RX209	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
RX210	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
RX211	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
RX212	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J

Location No.	Parts No.	Description
RX214	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
RX216	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RX221	24872470	CHIP, METAL FILM, 1/16W 47 OHM J
RX222	24872470	CHIP, METAL FILM, 1/16W 47 OHM J
RX223	24872470	CHIP, METAL FILM, 1/16W 47 OHM J
RX225	24872151	CHIP, METAL FILM, 1/16W 150 OHM J
RX226	24872331	CHIP, METAL FILM, 1/16W 330 OHM J
RX229	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
RX231	24872470	CHIP, METAL FILM, 1/16W 47 OHM J
RX232	24872470	CHIP, METAL FILM, 1/16W 47 OHM J
RX233	24872470	CHIP, METAL FILM, 1/16W 47 OHM J
RX235	24872274	CHIP, METAL FILM, 1/16W 270K OHM J
RX236	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
RX237	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
RX240	24872272	CHIP, METAL FILM, 1/16W 2.7K OHM J
RX256	24000824	CHIP JUMPER, 2125TYPE
RX258	24872470	CHIP, METAL FILM, 1/16W 47 OHM J
RX259	24872470	CHIP, METAL FILM, 1/16W 47 OHM J
RX261	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX263	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX274	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
RX275	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
RX276	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
RX277	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
RX278	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
RX279	24872471	CHIP, METAL FILM, 1/16W 470 OHM J
RX280	24872471	CHIP, METAL FILM, 1/16W 470 OHM J
RX281	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
RX282	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
RX283	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
RX284	24019439	CHIP BLOCK, 1/16W P-8 47 OHM J
RX285	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
RX286	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
RX291	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX292	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX293	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
RX301	24872201	CHIP, METAL FILM, 1/16W 200 OHM J
RX302	24872272	CHIP, METAL FILM, 1/16W 2.7K OHM J
RX303	24872201	CHIP, METAL FILM, 1/16W 200 OHM J
RX304	24872272	CHIP, METAL FILM, 1/16W 2.7K OHM J
RX305	24872201	CHIP, METAL FILM, 1/16W 200 OHM J
RX306	24872272	CHIP, METAL FILM, 1/16W 2.7K OHM J
RX307	24872222	CHIP, METAL FILM, 1/16W 2.2K OHM J
RX308	24872112	CHIP, METAL FILM, 1/16W 1.1K OHM J
RX309	24872122	CHIP, METAL FILM, 1/16W 1.2K OHM J
RX310	24872122	CHIP, METAL FILM, 1/16W 1.2K OHM J
RX311	24872122	CHIP, METAL FILM, 1/16W 1.2K OHM J
RX312	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX313	24872152	CHIP, METAL FILM, 1/16W 1.5K OHM J
RX314	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX315	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX316	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX321	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
RX322	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
RX325	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX330	24872821	CHIP, METAL FILM, 1/16W 820 OHM J
RX331	24872151	CHIP, METAL FILM, 1/16W 150 OHM J
RX332	24872821	CHIP, METAL FILM, 1/16W 820 OHM J
RX334	24872561	CHIP, METAL FILM, 1/16W 560 OHM J
RX341	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
RX342	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
RX345	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX350	24872821	CHIP, METAL FILM, 1/16W 820 OHM J
RX351	24872121	CHIP, METAL FILM, 1/16W 120 OHM J
RX352	24872681	CHIP, METAL FILM, 1/16W 680 OHM J
RX354	24872561	CHIP, METAL FILM, 1/16W 560 OHM J
RX361	24872223	CHIP, METAL FILM, 1/16W 22K OHM J

Location No.	Parts No.	Description
RX362	24872223	CHIP, METAL FILM, 1/16W 22K OHM J
RX365	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX370	24872821	CHIP, METAL FILM, 1/16W 820 OHM J
RX371	24872121	CHIP, METAL FILM, 1/16W 120 OHM J
RX372	24872681	CHIP, METAL FILM, 1/16W 680 OHM J
RX374	24872561	CHIP, METAL FILM, 1/16W 560 OHM J
RX402	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX404	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX406	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX408	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX410	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX412	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RX421	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
RX422	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
RX423	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
RX424	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
RX425	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
RX427	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
RX428	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
RX429	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
RX430	24872221	CHIP, METAL FILM, 1/16W 220 OHM J
RX431	24322478	OXIDE METAL FILM, 1W 0.47 OHM J
RZ01	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RZ02	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RZ03	24872332	CHIP, METAL FILM, 1/16W 3.3K OHM J
RZ04	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RZ05	24872391	CHIP, METAL FILM, 1/16W 390 OHM J
RZ06	24872821	CHIP, METAL FILM, 1/16W 820 OHM J
RZ08	24872391	CHIP, METAL FILM, 1/16W 390 OHM J
RZ09	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RZ13	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RZ14	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RZ15	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RZ17	24872391	CHIP, METAL FILM, 1/16W 390 OHM J
RZ18	24872391	CHIP, METAL FILM, 1/16W 390 OHM J
RZ20	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RZ29	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RZ30	24872101	CHIP, METAL FILM, 1/16W 100 OHM J

COILS & TRANSFORMERS

L101	23221803	COIL, CHOKE, TLN3040D
L201	23289840	COIL, PEAKING, TRF4100AT
L301	23103859	FILTER, FERRITE CHOKE, TEM2011
L302	23289846	COIL, PEAKING, TRF4101AT
L400	23289840	COIL, PEAKING, TRF4100AT
L400	23289846	COIL, PEAKING, TRF4101AT
L410	23103859	FILTER, FERRITE CHOKE, TEM2011
L441	23233055	COIL, LIN TLN2219AG, TLN2219AG
L442	23248169	COIL, CHOKE, TLN3329AD
L449	23103859	FILTER, FERRITE CHOKE, TEM2011
L461	23248173	COIL, CHOKE, TLN3333AD
L470	23103859	FILTER, FERRITE CHOKE, TEM2011
L501	23238714	COIL, PEAKING, TRF4100AJ
L501	23289840	COIL, PEAKING, TRF4100AT
L503	23289840	COIL, PEAKING, TRF4100AT
L503	23289844	COIL, PEAKING, TRF4470AT
L510	23103852	COIL, FILTER, TEM2028AH
L511	23103852	COIL, FILTER, TEM2028AH
L512	23103898	EMI FILTER, TEM2030AH
L513	23103898	EMI FILTER, TEM2030AH
L513	23103898	EMI FILTER, TEM2030AH
L515	23103898	EMI FILTER, TEM2030AH
L605	23248073	COIL, CHOKE, TLN3299D
L701	23289840	COIL, PEAKING, TRF4100AT
L702	23261974	COIL, FERRITE BEAD, HC5-035
L704	23103859	FILTER, FERRITE CHOKE, TEM2011
L705	23103859	FILTER, FERRITE CHOKE, TEM2011

Location No.	Parts No.	Description
L801	23217548	TRANSFORMER, CHOKE 58M1.3A, TPW2040AS
L811	23103145	FERRITE CHOKE, TEM2011AA
L876	23280016	COIL, PEAKING, TRF4100AZ
L883	23221747	COIL, CHOKE, TRF9253D
L885	23248073	COIL, CHOKE, TLN3299D
L886	23103248	FERRITR CHOKE, TEM2014AA
L889	23280016	COIL, PEAKING, TRF4100AZ
L891	23103145	FERRITE CHOKE, TEM2011AA
L892	23103145	FERRITE CHOKE, TEM2011AA
L893	23280016	COIL, PEAKING, TRF4100AZ
L894	23289840	COIL, PEAKING, TRF4100AT
L895	23222694	COIL, HORIZ WIDTH, TLN2026
L896	23103145	FERRITE CHOKE, TEM2011AA
L897	23222694	COIL, HORIZ WIDTH, TLN2026
⚠ L901	23	COIL, DG, TSB
L902	23289846	COIL, PEAKING, TRF4101AT
L903	23289846	COIL, PEAKING, TRF4101AT
L904	23289846	COIL, PEAKING, TRF4101AT
L905	23289841	COIL, PEAKING, TRF4150AT
L906	23289841	COIL, PEAKING, TRF4150AT
L907	23289841	COIL, PEAKING, TRF4150AT
L908	23289840	COIL, PEAKING, TRF4100AT
L910	23289834	COIL, PEAKING, TRF41R0AT
L911	23289846	COIL, PEAKING, TRF4101AT
LA01	23289840	COIL, PEAKING, TRF4100AT
LC07	23103237	INDUCTOR, BEAD, TEM2141AD
LC08	23103237	INDUCTOR, BEAD, TEM2141AD
LC09	23103237	INDUCTOR, BEAD, TEM2141AD
LC12	23103237	INDUCTOR, BEAD, TEM2141AD
LC13	23103237	INDUCTOR, BEAD, TEM2141AD
LC14	23103237	INDUCTOR, BEAD, TEM2141AD
LC15	23103237	INDUCTOR, BEAD, TEM2141AD
LC16	23103237	INDUCTOR, BEAD, TEM2141AD
LC17	23103237	INDUCTOR, BEAD, TEM2141AD
LC43	23103248	FERRITR CHOKE, TEM2014AA
LC44	23103248	FERRITR CHOKE, TEM2014AA
LC45	23238562	COIL, PEAKING, TRF4109AJ
LR01	23289834	COIL, PEAKING, TRF41R0AT
LR02	23289834	COIL, PEAKING, TRF41R0AT
LR26	23103898	EMI FILTER, TEM2030AH
LS09	23289834	COIL, PEAKING, TRF41R0AT
LS10	23289834	COIL, PEAKING, TRF41R0AT
LT01	23103828	INDUCTOR, BEAD, TEM2121M
LT02	23103828	INDUCTOR, BEAD, TEM2121M
LT03	23103828	INDUCTOR, BEAD, TEM2121M
LT04	23103828	INDUCTOR, BEAD, TEM2121M
LT05	23103828	INDUCTOR, BEAD, TEM2121M
LT07	23103828	INDUCTOR, BEAD, TEM2121M
LT08	23103828	INDUCTOR, BEAD, TEM2121M
LT09	23103828	INDUCTOR, BEAD, TEM2121M
LT11	23103828	INDUCTOR, BEAD, TEM2121M
LT12	23103828	INDUCTOR, BEAD, TEM2121M
LV01	23103852	COIL, FILTER, TEM2028AH
LV02	23103845	COIL, TEM2030AY
LV03	23103852	COIL, FILTER, TEM2028AH
LV05	23103852	COIL, FILTER, TEM2028AH
LV09	23289840	COIL, PEAKING, TRF4100AT
LV10	23103852	COIL, FILTER, TEM2028AH
LV11	23103852	COIL, FILTER, TEM2028AH
LV12	23103852	COIL, FILTER, TEM2028AH
LV13	23103852	COIL, FILTER, TEM2028AH
LV20	23103898	EMI FILTER, TEM2030AH
LV42	23289840	COIL, PEAKING, TRF4100AT
LV43	23289840	COIL, PEAKING, TRF4100AT
LV49	23103852	COIL, FILTER, TEM2028AH
LX101	23103822	INDUCTOR, BEAD, TEM2117T

Location No.	Parts No.	Description
LX104	23245827	COIL CHIP 5.6MMHJ, TRF45R6CB
LX105	23103822	INDUCTOR, BEAD, TEM2117T
LX106	23103822	INDUCTOR, BEAD, TEM2117T
LX107	23103822	INDUCTOR, BEAD, TEM2117T
LX110	23103822	INDUCTOR, BEAD, TEM2117T
LX143	23245835	COIL, CHIP INDUCTOR, TRF4270CB
LX144	23103822	INDUCTOR, BEAD, TEM2117T
LX145	23103822	INDUCTOR, BEAD, TEM2117T
LX150	23103822	INDUCTOR, BEAD, TEM2117T
LX152	23103822	INDUCTOR, BEAD, TEM2117T
LX153	23103822	INDUCTOR, BEAD, TEM2117T
LX163	23245835	COIL, CHIP INDUCTOR, TRF4270CB
LX201	23103886	INDUCTOR, CHIP BEAD 3A 60OHM, TEM2129AM
LX221	23103822	INDUCTOR, BEAD, TEM2117T
LX222	23103822	INDUCTOR, BEAD, TEM2117T
LX223	23103822	INDUCTOR, BEAD, TEM2117T
LX226	23103822	INDUCTOR, BEAD, TEM2117T
LX227	23103822	INDUCTOR, BEAD, TEM2117T
LX231	23103822	INDUCTOR, BEAD, TEM2117T
LX232	23103822	INDUCTOR, BEAD, TEM2117T
LX233	23103822	INDUCTOR, BEAD, TEM2117T
LX236	23103822	INDUCTOR, BEAD, TEM2117T
LX237	23103822	INDUCTOR, BEAD, TEM2117T
LX241	23103822	INDUCTOR, BEAD, TEM2117T
LX261	23103822	INDUCTOR, BEAD, TEM2117T
LX271	23103822	INDUCTOR, BEAD, TEM2117T
LX301	23103822	INDUCTOR, BEAD, TEM2117T
LX321	23103822	INDUCTOR, BEAD, TEM2117T
LX322	23245825	COIL, CHIP INDUCTOR, TRF43R9CB
LX342	23245826	COIL, CHIP, TRF44R7CB
LX362	23245826	COIL, CHIP, TRF44R7CB
LX401	23103886	INDUCTOR, CHIP BEAD 3A 60OHM, TEM2129AM
LX402	23103822	INDUCTOR, BEAD, TEM2117T
LX403	23103822	INDUCTOR, BEAD, TEM2117T
LX404	23103822	INDUCTOR, BEAD, TEM2117T
LX405	23103822	INDUCTOR, BEAD, TEM2117T
LX407	23103822	INDUCTOR, BEAD, TEM2117T
LX421	23238562	COIL, PEAKING, TRF4109AJ
LX422	23238562	COIL, PEAKING, TRF4109AJ
LX423	23238562	COIL, PEAKING, TRF4109AJ
LX424	23238562	COIL, PEAKING, TRF4109AJ
LX425	23238562	COIL, PEAKING, TRF4109AJ
LX427	23238562	COIL, PEAKING, TRF4109AJ
LX428	23238718	COIL, PEAKING, TRF4479AJ
LX429	23238718	COIL, PEAKING, TRF4479AJ
LX430	23238562	COIL, PEAKING, TRF4109AJ
LX431	23103880	COIL, CHOKE, TEM2011Y
LZ01	23238710	COIL, PEAKING, TRF4220AJ
LZ02	23238714	COIL, PEAKING, TRF4100AJ
LZ03	23238714	COIL, PEAKING, TRF4100AJ
LZ04	23238708	COIL, PEAKING, TRF4330AJ
LZ05	23238709	COIL, PEAKING, TRF4270AJ
LZ06	23103852	COIL, FILTER, TEM2028AH
LZ07	70131060	FERRITE CORE, ZBF253D-00
LZ08	23238707	COIL, PEAKING, TRF4390AJ
LZ09	70131060	FERRITE CORE, ZBF253D-00
LZ10	70131060	FERRITE CORE, ZBF253D-00
⚠ T400	23224364	TRANSFORMER, FOCUS, TLN2168AH
T401	23224333	TRANSFORMER, TLN1080
⚠ T461	23236784	TRANSFORMER, FLY-BACK, TFB4202AH
T801	23211736	COIL, LINE FILTER, TRF3231AL
T802	23211736	COIL, LINE FILTER, TRF3231AL
⚠ T863	23217590	TRANSFORMER, CONV TRS 34VH26P, TPW3427AS

Location No.	Parts No.	Description
SEMICONDUCTORS		
Q200	23114756	TRANSISTOR, 2SC2482
Q201	23114433	TRANSISTOR, 2SC1815-Y
Q202	23114425	TRANSISTOR, 2SA1015-Y(TE
Q203	23114425	TRANSISTOR, 2SA1015-Y(TE
Q204	23114425	TRANSISTOR, 2SA1015-Y(TE
Q205	23114425	TRANSISTOR, 2SA1015-Y(TE
Q206	23114433	TRANSISTOR, 2SC1815-Y
Q209	23114425	TRANSISTOR, 2SA1015-Y(TE
Q237	23114433	TRANSISTOR, 2SC1815-Y
Q261	23114425	TRANSISTOR, 2SA1015-Y(TE
Q262	23114433	TRANSISTOR, 2SC1815-Y
Q263	23114433	TRANSISTOR, 2SC1815-Y
Q274	23314993	TRANSISTOR, 2SC4081 Q
Q301	23905610	IC, LA7846N
Q302	23000711	IC, TA1317AN
Q360	23114433	TRANSISTOR, 2SC1815-Y
Q370	23114425	TRANSISTOR, 2SA1015-Y(TE
Q370	23114462	TRANSISTOR, RN1202
Q371	23114462	TRANSISTOR, RN1202
Q402	23114577	TRANSISTOR, 2SC22350 (FA-1
Q404	23205007	TRANSISTOR, 2SC5570(FA)
Q418	23314141	TRANSISTOR, 2SC3852
Q418B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
Q420	23314141	TRANSISTOR, 2SC3852
Q420B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
Q421	23114433	TRANSISTOR, 2SC1815-Y
Q425	23114433	TRANSISTOR, 2SC1815-Y
Q426	23114458	TRANSISTOR, RN1206
Q427	23114458	TRANSISTOR, RN1206
Q428	23114458	TRANSISTOR, RN1206
Q430	23314141	TRANSISTOR, 2SC3852
Q430B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
Q432	23114433	TRANSISTOR, 2SC1815-Y
Q460	23314850	TRANSISTOR, 2SA1788, E
Q461	23114433	TRANSISTOR, 2SC1815-Y
Q462	23114433	TRANSISTOR, 2SC1815-Y
Q470	23114541	TRANSISTOR, 2SA1320
Q470	23114433	TRANSISTOR, 2SC1815-Y
Q471	23114433	TRANSISTOR, 2SC1815-Y
Q472	23114433	TRANSISTOR, 2SC1815-Y
Q473	23114425	TRANSISTOR, 2SA1015-Y(TE
Q501	23000624	IC, TB1274F(J)
Q504	23314163	TRANSISTOR, 2SA1162-Y
Q505	23314163	TRANSISTOR, 2SA1162-Y
Q506	23114433	TRANSISTOR, 2SC1815-Y
Q507	70114402	TRANSISTOR, 2SC3437-Y
Q510	23906472	IC, TA1276AN
Q612	23114425	TRANSISTOR, 2SA1015-Y(TE
Q670	23906523	IC, TA8256BH
Q670B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
Q671	23114623	TRANSISTOR, 2SC2878-A(TEM
Q672	23114623	TRANSISTOR, 2SC2878-A(TEM
Q688	23114460	TRANSISTOR, RN1204
Q705	23314794	TRANSISTOR, 2PC1815Y
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	23205075	TRANSISTOR, 2SA1930
Q711B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
Q712	23205076	TRANSISTOR, 2SC5171
Q712B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
Q719	23114433	TRANSISTOR, 2SC1815-Y
Q801	23135008	IC, STR-F6668B
Q801B	72471082	SCREW, 3X10MM
Q802	23314141	TRANSISTOR, 2SC3852
Q802B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
Q805	23114433	TRANSISTOR, 2SC1815-Y
⚠ Q826	23000823	IC, PHOTO COUPLER, TLP421F(GR)
Q827	23319693	IC, SE116N, LF4
Q830	23314141	TRANSISTOR, 2SC3852
Q830B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
Q831	23314141	TRANSISTOR, 2SC3852
Q831B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
Q832	23905977	IC, PQ09RD11
Q832B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
Q833	23314141	TRANSISTOR, 2SC3852
Q833B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
Q840	23318299	IC, L78MR05-FA
Q840B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
Q841	23114433	TRANSISTOR, 2SC1815-Y
Q842	23114433	TRANSISTOR, 2SC1815-Y
Q901	23314780	TRANSISTOR, 2SC4544
Q901B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
Q902	23114433	TRANSISTOR, 2SC1815-Y
Q903	23314780	TRANSISTOR, 2SC4544
Q903B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
Q904	23114433	TRANSISTOR, 2SC1815-Y
Q905	23314780	TRANSISTOR, 2SC4544
Q905B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
Q906	23114433	TRANSISTOR, 2SC1815-Y
Q907	23114422	TRANSISTOR, 2SA562TM-Y
Q908	23114429	TRANSISTOR, 2SC2120-Y(TE
Q910	23114433	TRANSISTOR, 2SC1815-Y
Q911	23114433	TRANSISTOR, 2SC1815-Y
Q912	23114425	TRANSISTOR, 2SA1015-Y(TE
Q913	23114425	TRANSISTOR, 2SA1015-Y(TE
Q914	23114433	TRANSISTOR, 2SC1815-Y
Q4420	23906906	IC, TA1300AN
Q4460	23114433	TRANSISTOR, 2SC1815-Y
Q4462	23114433	TRANSISTOR, 2SC1815-Y
QA01	23009297	IC, 8BIT MICRO COMPUTER 64PIN, CXP750010-198S
QA02	23009330	IC, AT24C64-10PI-2.7
QA05	23114437	TRANSISTOR, 2SC752GTM-Y
QA80	23114462	TRANSISTOR, RN1202
QA81	23114462	TRANSISTOR, RN1202
QB01	23114433	TRANSISTOR, 2SC1815-Y
QB03	23114459	TRANSISTOR, RN1205
QB30	23114433	TRANSISTOR, 2SC1815-Y
QB81	23114623	TRANSISTOR, 2SC2878-A(TEM
QB82	23114623	TRANSISTOR, 2SC2878-A(TEM
QB83	23114425	TRANSISTOR, 2SA1015-Y(TE
QB92	23114433	TRANSISTOR, 2SC1815-Y
QB93	23114425	TRANSISTOR, 2SA1015-Y(TE
QB94	23114425	TRANSISTOR, 2SA1015-Y(TE
QB95	23114425	TRANSISTOR, 2SA1015-Y(TE

Location No.	Parts No.	Description
QB96	23114425	TRANSISTOR, 2SA1015-Y(TE
QG36B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
QJ02	23314794	TRANSISTOR, 2PC1815Y
QJ03	23314794	TRANSISTOR, 2PC1815Y
QJ04	23314912	TRANSISTOR, 2SC4793
QR01	23009037	IC, MB90096P-G-23
QR03	23205123	TRANSISTOR, 2SA933ASQ
QS05	70114396	TRANSISTOR, 2SC3326B
QS06	70114396	TRANSISTOR, 2SC3326B
QS07	23114493	TRANSISTOR, RN2404
QS08	70114396	TRANSISTOR, 2SC3326B
QS09	70114396	TRANSISTOR, 2SC3326B
QT01	23009169	IC, SAA5665HL/M1/0606
QT02	23314993	TRANSISTOR, 2SC4081 Q
QT03	70114402	TRANSISTOR, 2SC3437-Y
QT05	23314993	TRANSISTOR, 2SC4081 Q
QT06	23000283	IC, R1121N
QT08	23314993	TRANSISTOR, 2SC4081 Q
QT09	23009124	IC, M5M5V108DVP-7
QT10	23314993	TRANSISTOR, 2SC4081 Q
QT11	23009114	IC, BD4746G
QT12	23314994	TRANSISTOR, 2SA1576A106
QT13	23314994	TRANSISTOR, 2SA1576A106
QT14	23314994	TRANSISTOR, 2SA1576A106
QT15	23314994	TRANSISTOR, 2SA1576A106
QV01	23000369	IC, MM1495XD
QV02	23114433	TRANSISTOR, 2SC1815-Y
QV06	23314994	TRANSISTOR, 2SA1576A106
QV07	23314993	TRANSISTOR, 2SC4081 Q
QV09	23114433	TRANSISTOR, 2SC1815-Y
QV10	23314993	TRANSISTOR, 2SC4081 Q
QV12	23114433	TRANSISTOR, 2SC1815-Y
QV14	23114433	TRANSISTOR, 2SC1815-Y
QX01	23906921	IC, NR+FRAME DOUBLE SCAN, TC90A61F
QX02	23000198	IC, EM636327Q-8
QX03	23905013	IC, TLC2932IPW
QX04	23906951	IC, SN74AHCT1G32DCK
QX05	23906951	IC, SN74AHCT1G32DCK
QX07	23905939	IC, TLC2933IPW
QX08	23906951	IC, SN74AHCT1G32DCK
QX09	23906951	IC, SN74AHCT1G32DCK
QX11	23906318	IC, ADS932E
QX12	23906318	IC, ADS932E
QX15	23314345	TRANSISTOR, IMZ1
QX16	23314345	TRANSISTOR, IMZ1
QX17	23314345	TRANSISTOR, IMZ1
QX18	23314345	TRANSISTOR, IMZ1
QX19	23314163	TRANSISTOR, 2SA1162-Y
QX20	23904676	IC, TC7S66F
QX21	23318824	IC, TC7S08F
QX22	23314345	TRANSISTOR, IMZ1
QX24	23314345	TRANSISTOR, IMZ1
QX25	23000197	IC, SN74AHC2G53HDCT
QX26	23314163	TRANSISTOR, 2SA1162-Y
QX27	23904676	IC, TC7S66F
QX29	23314345	TRANSISTOR, IMZ1
QX31	23314345	TRANSISTOR, IMZ1
QX33	23314163	TRANSISTOR, 2SA1162-Y
QX34	23904676	IC, TC7S66F
QX35	23314345	TRANSISTOR, IMZ1
QX37	23314475	TRANSISTOR, 2SC2712-Y
QX38	23314475	TRANSISTOR, 2SC2712-Y
QX39	23314475	TRANSISTOR, 2SC2712-Y
QX41	23314475	TRANSISTOR, 2SC2712-Y
QX42	23314475	TRANSISTOR, 2SC2712-Y
QX44	23314475	TRANSISTOR, 2SC2712-Y

Location No.	Parts No.	Description
QX45	23314475	TRANSISTOR, 2SC2712-Y
QX47	23314475	TRANSISTOR, 2SC2712-Y
QX48	23314475	TRANSISTOR, 2SC2712-Y
QX49	23000095	IC, SN74AHC2G241HDCT
QX50	70129666	IC, TC74HCT541AF
QX51	23906770	IC, BA033FP
QX52	23905927	IC, TC7SH32FU(BRA
QX53	23905927	IC, TC7SH32FU(BRA
QX54	23114502	TRANSISTOR, RN1401
QX55	23318026	IC, TA78L05F
QX56	23314163	TRANSISTOR, 2SA1162-Y
QX57	23114502	TRANSISTOR, RN1401
QX58	23114502	TRANSISTOR, RN1401
QZ01	23906904	IC, TC90A49P
QZ02	23314475	TRANSISTOR, 2SC2712-Y
QZ04	23314163	TRANSISTOR, 2SA1162-Y
QZ05	23314163	TRANSISTOR, 2SA1162-Y
QZ07	23314163	TRANSISTOR, 2SA1162-Y
QZ08	23314475	TRANSISTOR, 2SC2712-Y
D101	23316755	DIODE, ZENER, MTZJ33C
D201	23115599	DIODE, 1N4148
D240	23115599	DIODE, 1N4148
D301	23118094	DIODE, EU2A
D302	23118094	DIODE, EU2A
D303	23316794	DIODE, SC570A
D304	23118094	DIODE, EU2A
D312	23115599	DIODE, 1N4148
D313	23115599	DIODE, 1N4148
D320	23115599	DIODE, 1N4148
D336	23316672	DIODE, ZENER, MTZJ5.6B
D337	23316672	DIODE, ZENER, MTZJ5.6B
D370	23118479	DIODE, BYD33J
D370	23316658	DIODE, ZENER, MTZJ3.6A
D371	23115599	DIODE, 1N4148
D371	23118479	DIODE, BYD33J
D373	23316690	DIODE, ZENER, MTZJ10B
D374	23115599	DIODE, 1N4148
D404	23357019	DIODE, FMV-3GMR
D406	23118479	DIODE, BYD33J
D415	23118094	DIODE, EU2A
D418	23316749	DIODE, ZENER, MTZJ30A
D419	23316691	DIODE, ZENER, MTZJ10C
D420	23316682	DIODE, ZENER, MTZJ7.5C
D421	23316680	DIODE, ZENER, MTZJ7.5A
D422	23316726	DIODE, ZENER, MTZJ15C
D431	23316670	DIODE, ZENER, MTZJ5.1C
D432	23316670	DIODE, ZENER, MTZJ5.1C
D436	23115599	DIODE, 1N4148
D441	23316687	DIODE, ZENER, MTZJ9.1B
D460	23118479	DIODE, BYD33J
D463	23115599	DIODE, 1N4148
D464	23316718	DIODE, ZENER, MTZJ12A
D466	23316672	DIODE, ZENER, MTZJ5.6B
D467	23118479	DIODE, BYD33J
D470	23316670	DIODE, ZENER, MTZJ5.1C
D474	23316719	DIODE, ZENER, MTZJ12B
D488	23115599	DIODE, 1N4148
D490	23115599	DIODE, 1N4148
D498	23316745	DIODE, ZENER, MTZJ27A
D499	23115599	DIODE, 1N4148
D501	23115599	DIODE, 1N4148
D506	23316673	DIODE, ZENER, MTZJ5.6C
D507	23357037	DIODE, ZENER, UDZS5.6B
D508	23357037	DIODE, ZENER, UDZS5.6B
D509	23357037	DIODE, ZENER, UDZS5.6B
D511	23357037	DIODE, ZENER, UDZS5.6B
D512	23357037	DIODE, ZENER, UDZS5.6B

Location No.	Parts No.	Description
D513	23357037	DIODE, ZENER, UDZS5.6B
D611	23115599	DIODE, 1N4148
D612	23115599	DIODE, 1N4148
D613	23115599	DIODE, 1N4148
D614	23115599	DIODE, 1N4148
D670	23115599	DIODE, 1N4148
D671	23115599	DIODE, 1N4148
D674	23115599	DIODE, 1N4148
D675	23115599	DIODE, 1N4148
D704	23115599	DIODE, 1N4148
D705	23115599	DIODE, 1N4148
D715	23115599	DIODE, 1N4148
D721	23115599	DIODE, 1N4148
D801	23357041	DIODE, LN6SB60-F05
D804	23316725	DIODE, ZENER, MTZJ15B
D805	23357012	DIODE, 1SS244
D806	23118479	DIODE, BYD33J
D810	23316738	DIODE, ZENER, MTZJ22B
D811	23115599	DIODE, 1N4148
D815	23316746	DIODE, ZENER, MTZJ27B
D817	23115599	DIODE, 1N4148
D818	23316738	DIODE, ZENER, MTZJ22B
D819	23316678	DIODE, ZENER, MTZJ6.8B
D828	23115599	DIODE, 1N4148
D836	23316673	DIODE, ZENER, MTZJ5.6C
D842	23316724	DIODE, ZENER, MTZJ15A
D844	23316717	DIODE, ZENER, MTZJ11C
D848	23316675	DIODE, ZENER, MTZJ6.2B
D855	23118859	DIODE, 1SS133
D871	23118479	DIODE, BYD33J
D883	23316803	DIODE, FMU-G16S
D883B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
D885	23118052	DIODE, RU4Z LF-L1
D885B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
D891	23357020	DIODE, SF5S4
D891B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
D892	23316184	DIODE, FML-G12S
D892B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
D893	23316673	DIODE, ZENER, MTZJ5.6C
D894	23316673	DIODE, ZENER, MTZJ5.6C
D896	23118479	DIODE, BYD33J
D901	23115599	DIODE, 1N4148
D904	23115599	DIODE, 1N4148
D905	23115599	DIODE, 1N4148
D906	23115599	DIODE, 1N4148
D907	23115599	DIODE, 1N4148
D908	23115599	DIODE, 1N4148
D909	23115599	DIODE, 1N4148
D911	23118479	DIODE, BYD33J
D4222	23316744	DIODE, ZENER, MTZJ24D
D4223	23115532	DIODE, ERB12-01
D4410	23115599	DIODE, 1N4148
D4411	23115599	DIODE, 1N4148
D4412	23115599	DIODE, 1N4148
DA02	23115599	DIODE, 1N4148
DA03	23115599	DIODE, 1N4148
DA42	23115599	DIODE, 1N4148
DB01	23358564	DIODE, LED, SLR-56VC3FPQ
DB30	23115599	DIODE, 1N4148
DJ01	23115599	DIODE, 1N4148
DJ02	23316726	DIODE, ZENER, MTZJ15C
DR01	23115599	DIODE, 1N4148
DR02	23115599	DIODE, 1N4148
DR03	23115599	DIODE, 1N4148
DV09	23118041	DIODE, MA111

MISCELLANEOUS

Location No.	Parts No.	Description
B221	23037312	SCREW, BTBW3X12SZN
B224	23037312	SCREW, BTBW3X12SZN
BB10	23368627	CONNECTOR, BRIDGE B-B 8P 2.5JST 08TM-2.5FJ-E
BB10A	23903022	CONNECTOR, BASE B-B 8P 2.5 JST
BB10B	23903022	CONNECTOR, BASE B-B 8P 2.5 JST
BB11	23368627	CONNECTOR, BRIDGE B-B 8P 2.5JST 08TM-2.5FJ-E
BB11A	23903022	CONNECTOR, BASE B-B 8P 2.5 JST
BB11B	23903022	CONNECTOR, BASE B-B 8P 2.5 JST
BB12	23368627	CONNECTOR, BRIDGE B-B 8P 2.5JST 08TM-2.5FJ-E
BB12A	23903022	CONNECTOR, BASE B-B 8P 2.5 JST
BB12B	23903022	CONNECTOR, BASE B-B 8P 2.5 JST
BB14	23368627	CONNECTOR, BRIDGE B-B 8P 2.5JST 08TM-2.5FJ-E
BB14A	23903022	CONNECTOR, BASE B-B 8P 2.5 JST
BB14B	23903022	CONNECTOR, BASE B-B 8P 2.5 JST
BB15	23368627	CONNECTOR, BRIDGE B-B 8P 2.5JST 08TM-2.5FJ-E
BB15A	23903022	CONNECTOR, BASE B-B 8P 2.5 JST
BB15B	23903022	CONNECTOR, BASE B-B 8P 2.5 JST
BB16	23368627	CONNECTOR, BRIDGE B-B 8P 2.5JST 08TM-2.5FJ-E
BB16A	23903022	CONNECTOR, BASE B-B 8P 2.5 JST
BB16B	23903022	CONNECTOR, BASE B-B 8P 2.5 JST
⚠ F470	23144503	FUSE, CARTRIDGE 5.2X20, 250V 1.25A
F470A	23165433	FUSE HOLDER, 5.2 SOC
F801	23144508	FUSE, CARTRIDGE 5.2X20, 250V 4.0A
⚠ F802	23144506	FUSE, CARTRIDGE 5.2X20, 50V 2.5A
F802A	23165433	FUSE HOLDER, 5.2 SOC
⚠ F889	23144458	FUSE, 5.0A 250V
F889A	23165433	FUSE HOLDER, 5.2 SOC
G299	24366103	CARBON FILM, 1/6W 10K OHM J
G306	24366562	CARBON FILM, 1/6W 5.6K OHM J
G312	24366472	CARBON FILM, 1/6W 4.7K OHM J
G401	23103859	FILTER, FERRITE CHOKE, TEM2011
G402	23103859	FILTER, FERRITE CHOKE, TEM2011
G403	23103859	FILTER, FERRITE CHOKE, TEM2011
G404	23103859	FILTER, FERRITE CHOKE, TEM2011
G430	23115532	DIODE, ERB12-01
G443	23115599	DIODE, 1N4148
G465	23316672	DIODE, ZENER, MTZJ5.6B
G484	24591152	PLASTIC FILM, 50V 1500PF J
G510	23289838	COIL, PEAKING, TRF44R7AT
G527	24567104	PLASTIC FILM, 50V 0.1UF J
G528	24567104	PLASTIC FILM, 50V 0.1UF J
G529	24567104	PLASTIC FILM, 50V 0.1UF J
G684	23115599	DIODE, 1N4148
G824	23222694	COIL, HORIZ WIDTH, TLN2026
GC01	24000445	CHIP JUMPER, 1608TYPE
GC02	24000445	CHIP JUMPER, 1608TYPE
GC03	24000445	CHIP JUMPER, 1608TYPE
GJ01	24000445	CHIP JUMPER, 1608TYPE
GJ02	24000445	CHIP JUMPER, 1608TYPE
GJ03	24000445	CHIP JUMPER, 1608TYPE
GJ04	24000445	CHIP JUMPER, 1608TYPE
GJ06	24000445	CHIP JUMPER, 1608TYPE
GJ07	24000445	CHIP JUMPER, 1608TYPE
GJ08	24000445	CHIP JUMPER, 1608TYPE
GJ09	24000445	CHIP JUMPER, 1608TYPE
GJ11	24000445	CHIP JUMPER, 1608TYPE
GJ12	24000445	CHIP JUMPER, 1608TYPE

Location No.	Parts No.	Description
GJ13	24000445	CHIP JUMPER, 1608TYPE
GJ14	24000445	CHIP JUMPER, 1608TYPE
GJ14	24000824	CHIP JUMPER, 2125TYPE
GJ15	24000824	CHIP JUMPER, 2125TYPE
GJ16	24000445	CHIP JUMPER, 1608TYPE
GJ16	24000824	CHIP JUMPER, 2125TYPE
GJ17	24000445	CHIP JUMPER, 1608TYPE
GJ17	24000824	CHIP JUMPER, 2125TYPE
GJ21	24000445	CHIP JUMPER, 1608TYPE
GJ22	24000445	CHIP JUMPER, 1608TYPE
GJ22	24000824	CHIP JUMPER, 2125TYPE
GJ23	24000445	CHIP JUMPER, 1608TYPE
GJ23	24000824	CHIP JUMPER, 2125TYPE
GJ24	24000445	CHIP JUMPER, 1608TYPE
GJ25	24000445	CHIP JUMPER, 1608TYPE
GJ26	24000445	CHIP JUMPER, 1608TYPE
GJ35	24000445	CHIP JUMPER, 1608TYPE
GJ36	24000445	CHIP JUMPER, 1608TYPE
GT03	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
GT04	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
GT05	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
GT07	24000445	CHIP JUMPER, 1608TYPE
GT09	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
GV05	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
GV11	24000445	CHIP JUMPER, 1608TYPE
GV35	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
H002	23148745	MODULE, NICAM/IGR A-PRO, MPSN11C
KB01	23906805	IC, REMOTE PHOTO RECIEVER, PIC-TB17
M461A	23192959	ANODE CAP ASSY, TCC5603AT(NO SERVICE PART)
M461B	23504953	CABLE, ANODE
M461F	23504203	CABLE, FOCUS
M461S	23504204	CABLE, SCREEN
P402A	23902213	CONNECTOR, SOCKET 10P
P402B	23368130	CONNECTOR, PLUG B-B 10P
P403A	23902213	CONNECTOR, SOCKET 10P
P403B	23368130	CONNECTOR, PLUG B-B 10P
P501A	23902650	CONNECTOR, SOCKET, B-B
P501B	23367722	CONNECTOR, PLUG B-B 13P
P502A	23902655	CONNECTOR, 15P
P502B	23367724	CONNECTOR, PLUG B-B 15P
P512A	23902863	SOCKET, B-B, 20P 2MM SMK
P512B	23368520	CONNECTOR, B-B 20P, 2MM
P513A	23902863	SOCKET, B-B, 20P 2MM SMK
P513B	23368520	CONNECTOR, B-B 20P, 2MM
⚠ P801	23372052	POWER CORD, 250V2.5A
⚠ P801	23372151	POWER CORD, AC250V3A L/FUSE13A GB13F1 FUSE13A
P801A	23368013	CONNECTOR, PLUG, 2P 11.88MM W VT-JST
PF01	23902655	CONNECTOR, 15P
PH01	23902604	SOCKET, 21P
PH02	23902604	SOCKET, 21P
PH03	23902604	SOCKET, 21P
PT01	23367724	CONNECTOR, PLUG B-B 15P
PV01	23365611	CONNECTOR, JACK 5P
PX01A	23902655	CONNECTOR, 15P
PX01B	23367724	CONNECTOR, PLUG B-B 15P
PX02A	23902781	CONNECTOR, SOCKET, B-B 12P 2.5MM JST
PX02B	23368531	CON PLUG B-B 12P2.5MM JST, CONNECTOR12P
⚠ S801	23344416	SWITCH, POWER PUSH 2C1P, ESB92D21B
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

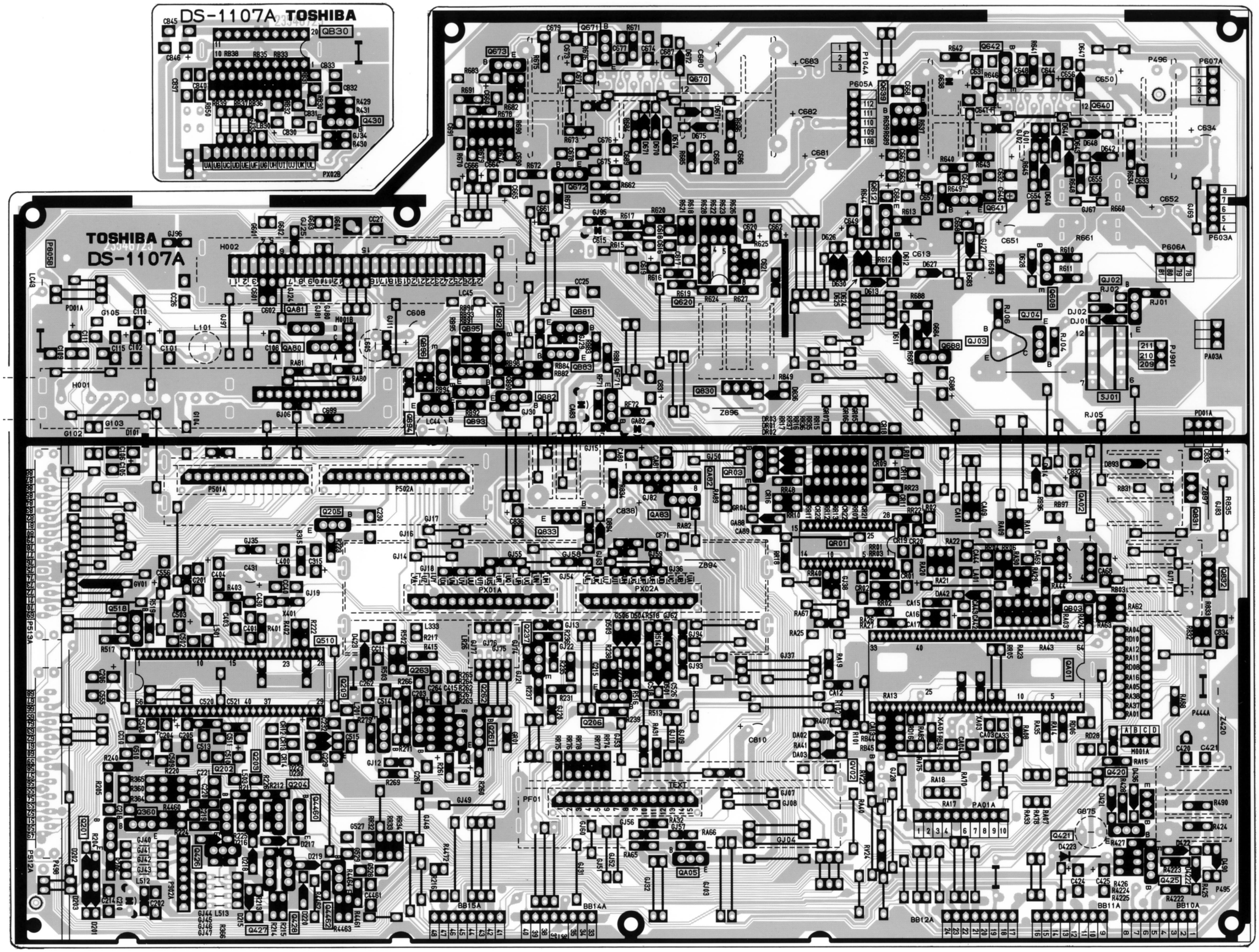
Location No.	Parts No.	Description
SA07	23145430	SWITCH, PUSH, SKHHLMA010
SJ01	23146958	RELAY, 2C 1A DC12V OMRON
⚠ SR83	23146571	RELAY, DG12D2-0(M), DAIGAE, 23146570 OMR
⚠ V901A	23903027	CRT SOCKET, 8P SMK CVT3251-0176 CVT3251-0176
W661	23351143	SPEAKER, 60X120 8-OHM 10W, SPK1400
W661	23351143	SPEAKER, 60X120 8-OHM 10W, SPK1400
W662	23351143	SPEAKER, 60X120 8-OHM 10W, SPK1400
W662	23351143	SPEAKER, 60X120 8-OHM 10W, SPK1400
X4401	23153721	CERAMIC RESONATOR, 503KHZ
X501	23153438	CRYSTAL, 16.200 25PPM 25OHM
XA03	23153394	CRYSTAL, 16.000000MHZ AT-51
XT01	23153930	CRYSTAL, 12.000 25PPM 40OHM 7PF
Z420	23144539	PROTECTOR, 491SERIES, 125V 2A
Z871	23144543	PROTECTOR, 491SERIES 125V 5A
Z890	23144543	PROTECTOR, 491SERIES 125V 5A
Z891	23144543	PROTECTOR, 491SERIES 125V 5A
Z894	23144539	PROTECTOR, 491SERIES, 125V 2A
Z896	23144539	PROTECTOR, 491SERIES, 125V 2A
Z897	23144539	PROTECTOR, 491SERIES, 125V 2A
Z898	23144539	PROTECTOR, 491SERIES, 125V 2A
ZD02	23103839	FERRITE CORE, TFE1012
ZX101	23103852	COIL, FILTER, TEM2028AH
ZX201	23103823	COIL, FILTER, TEM2027D
ZX202	23103823	COIL, FILTER, TEM2027D
ZX321	23103823	COIL, FILTER, TEM2027D
ZX341	23103823	COIL, FILTER, TEM2027D
ZX361	23103823	COIL, FILTER, TEM2027D
ZX401	23303181	EMI FILTER, TEM1012N
ZX402	23303181	EMI FILTER, TEM1012N
PC BOARD ASSEMBLIES		
✻ U103	23784878	D-COMB&MCD(CH) BOARD, PB9510A
✻ U104	23787220	TEXT-P2 BOARD, PD0267B
✻ U105	23784880	DFS(CH) VER.4 BOARD, PB9512A
✻ U901	23787870	CRT_D BOARD, PB9955D
✻ U902	23787736	SIGNAL BOARD, PD0039E
✻ U903	23787738	POWER BOARD, PB9515L
✻ U904	23787871	DEF BOARD, PB9951E
✻ U905	23786079	EW100HZ ZP BOARD, PB9517D
✻ U907	23708618	BACK/AV BOARD, PD0889B
✻ U908A	23787918	CONT-1 BOARD, PD0890A-1
✻ U908B	23788064	CONT-2 BOARD, PD0890A-2
PICTURE TUBE		
⚠ V901	23324003	PICTURE TUBE, ITC36VPF LH0.332, A90AJZ90X36
TUNER		
H001	23321344	TUNER, EUROIIC DIN-J+IF UKALPS, EGA22LWX1
ACCESSORIES		
K902	23306435	REMOCON HAND UNIT IR, CTVPAL, CT-90101
Y101	23565747	OWNER'S MANUAL, ENGLISH, 38VH26P
Y102	23565748	OWNER'S MANUAL, FRENCH, 38VH26P
Y103	23565749	OWNER'S MANUAL, GERMAN, 38VH26P
Y104	23565750	OWNER'S MANUAL, ITALIAN, 38VH26P
Y105	23565751	OWNER'S MANUAL, SPANISH, 38VH26P
Y106	23565752	OWNER'S MANUAL, PORTUGUES, 38VH26P
Y131	23565569	OWNER'S MANUAL, QSUG, 38VH26P
CABINET PARTS		
A201S	23530576	COVER, FRONT COVER FOR SERVICE
A213	23428128	DOOR, DOOR 34VH26P

Location No.	Parts No.	Description
A214	23451976	PUSH CATCH, CLICK
A224	23445610	BUTTON, CONTROL BUTTON 36HFX72
A225	23445664	BUTTON, POWER BUTTON 34VH26P
⚠ A401	23530577	COVER, BACK COVER PROPER 38VH2
A701	23064951	CARTON, CARTON 38VH26P
A702	23946433	PACKING, BOTTOM PACKING 38VH26
A703	23946434	PACKING, TOP PACKING 38VH26P

Location No.	Parts No.	Description

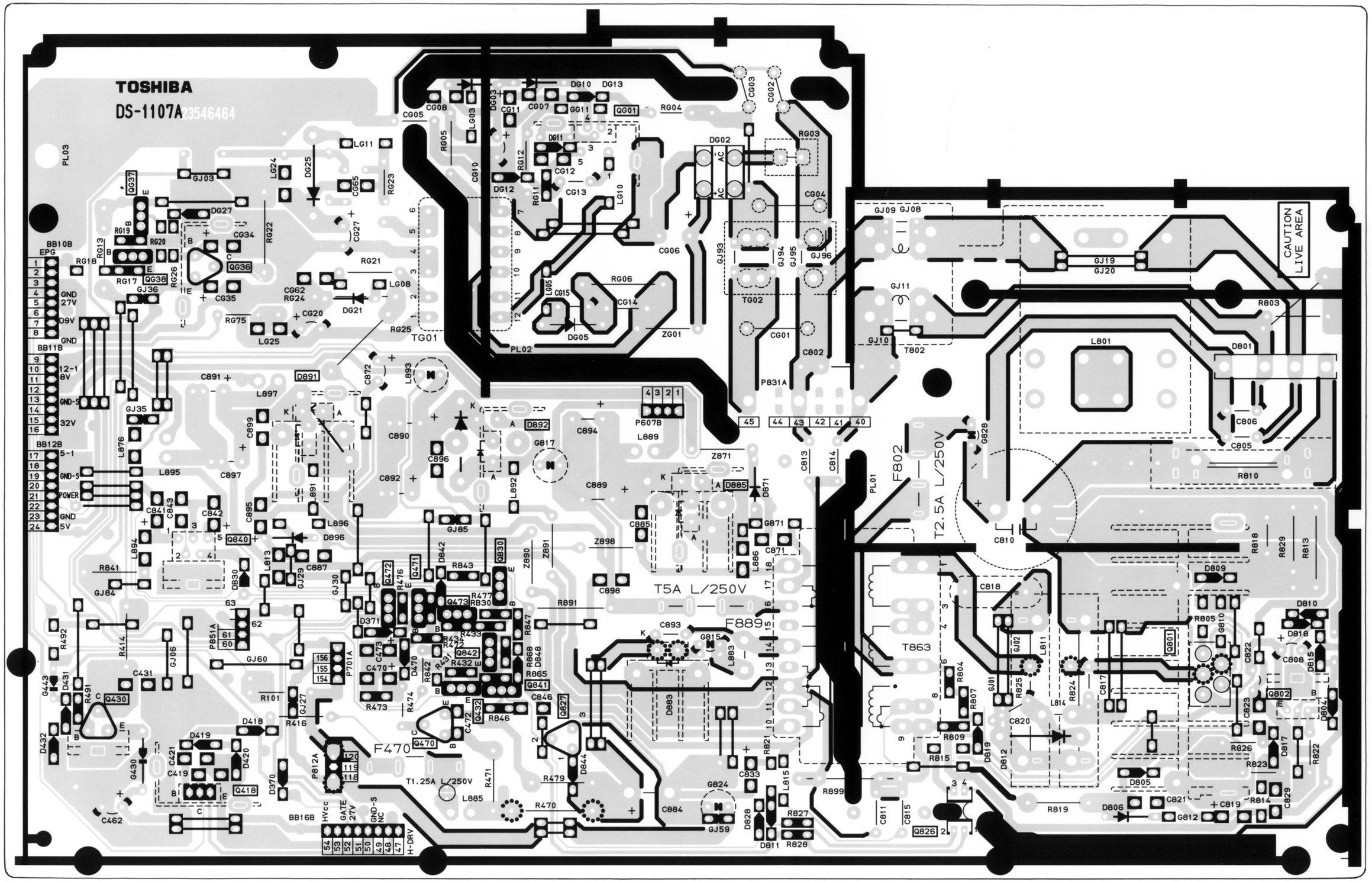
SIGNAL BOARD PD0039E

BOTTOM (FOIL) SIDE



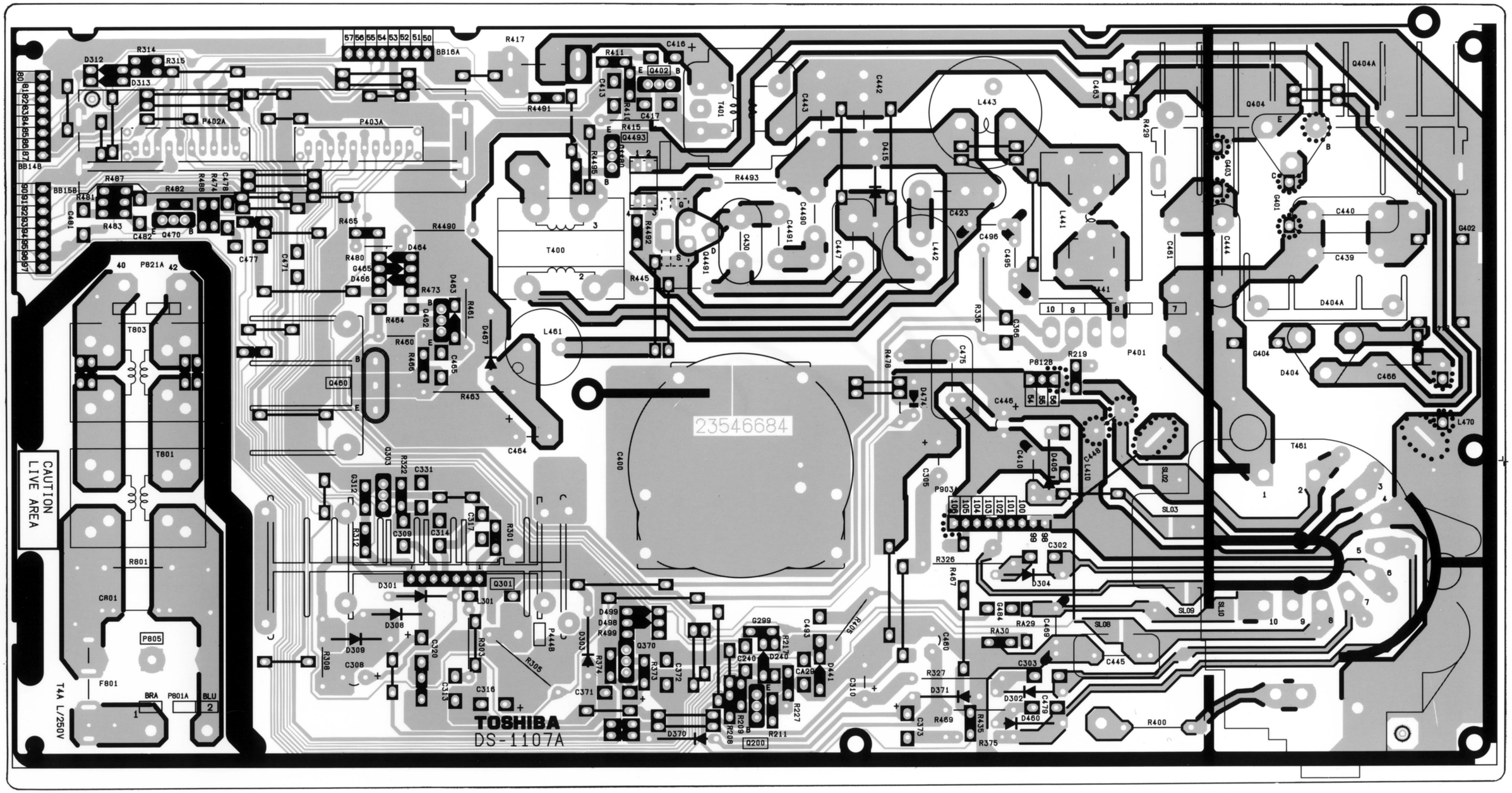
POWER BOARD PB9515L

BOTTOM (FOIL) SIDE



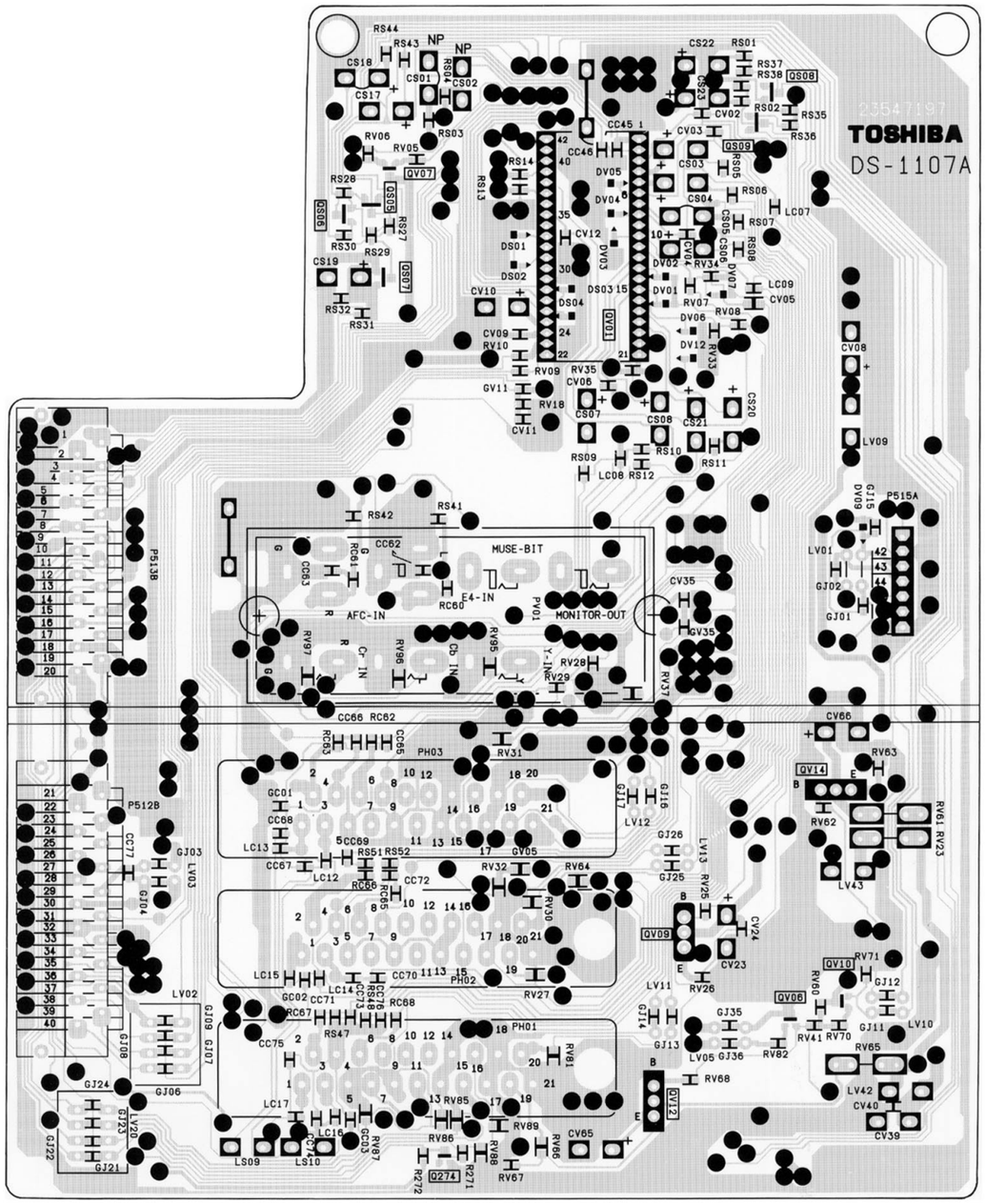
DEF BOARD PB9951E

BOTTOM (FOIL) SIDE



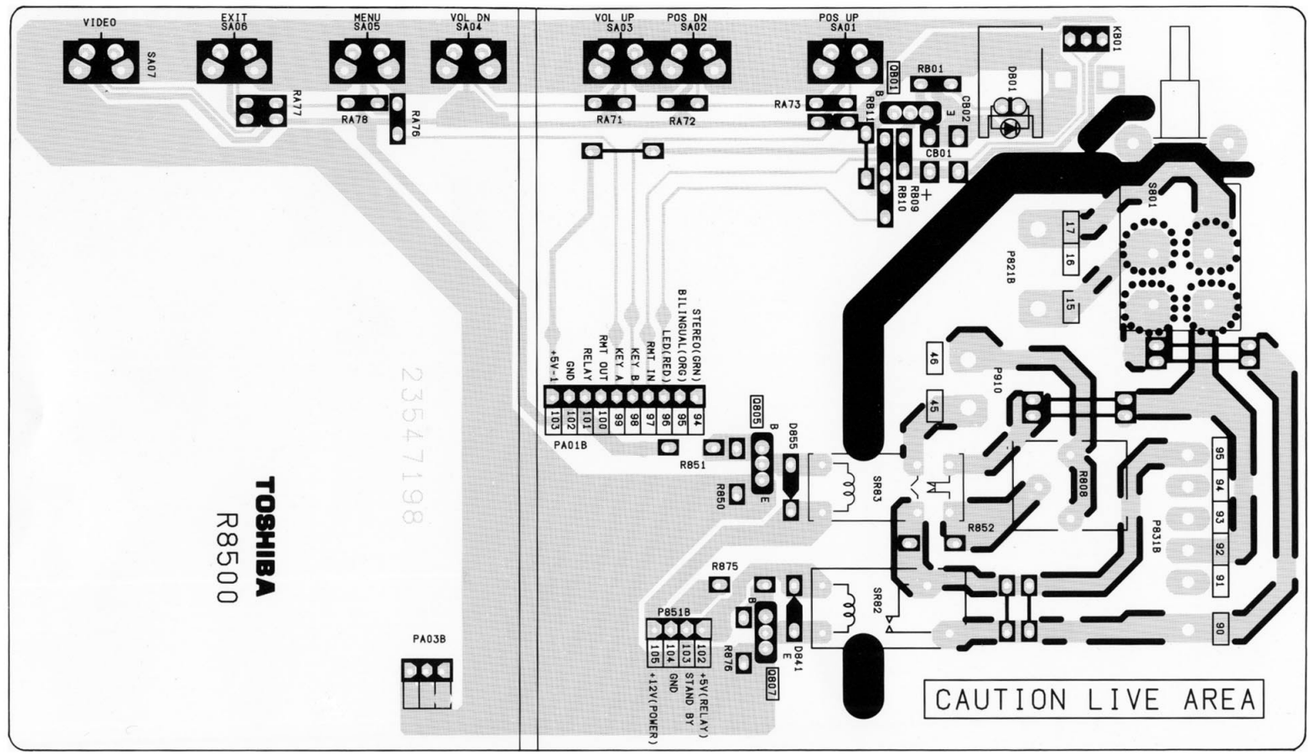
BACK-T/AV BOARD PD0889B

BOTTOM (FOIL) SIDE



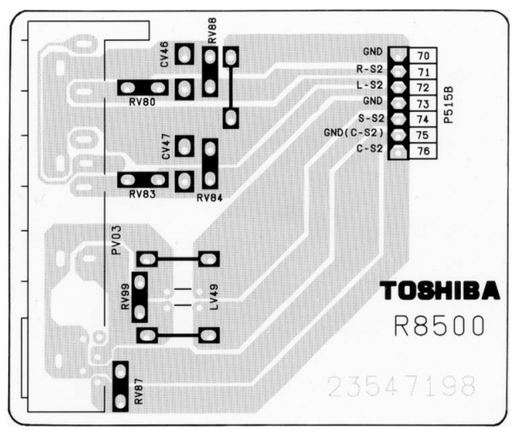
CONT-1 BOARD PD0890A-1

BOTTOM (FOIL) SIDE



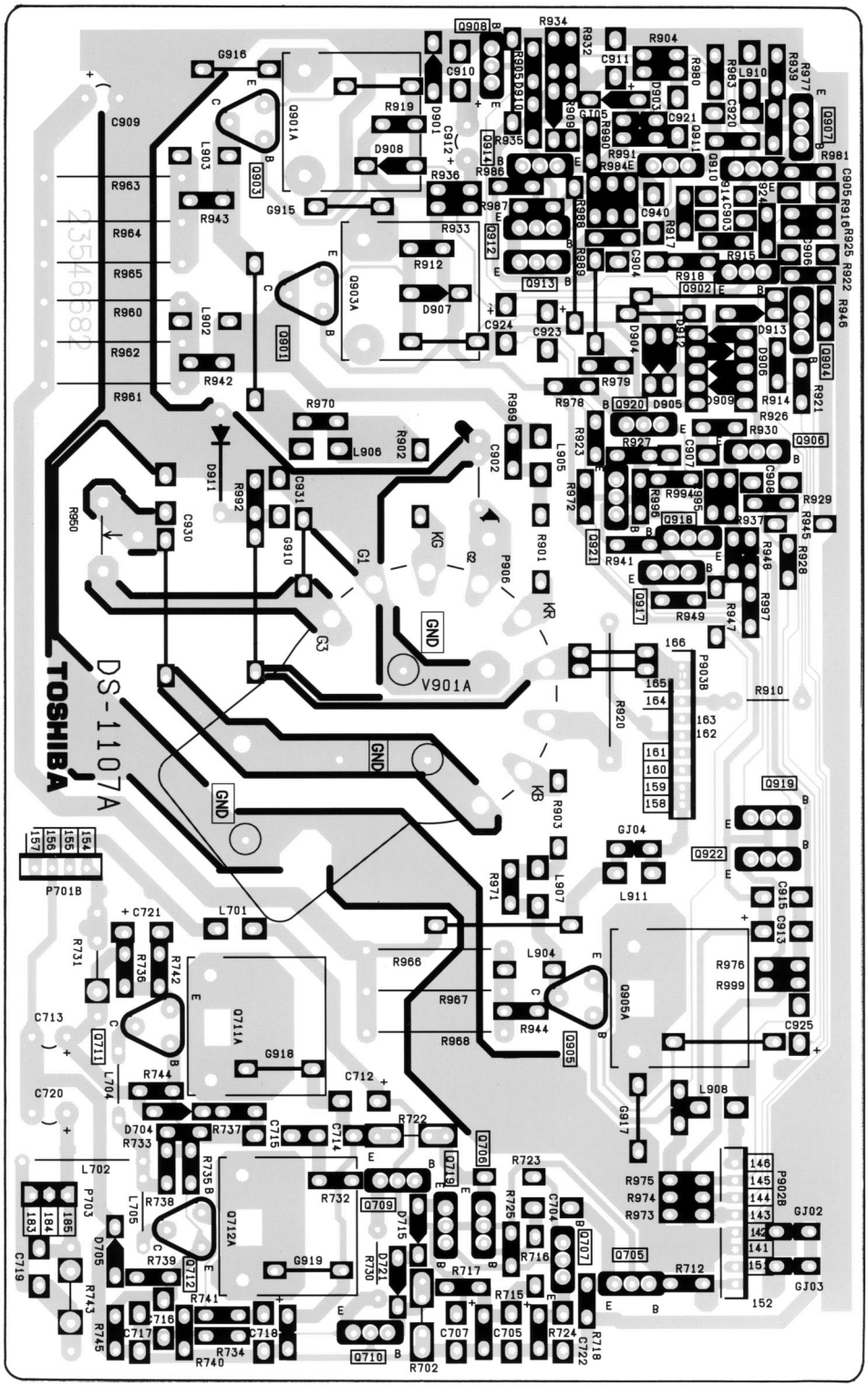
CONT-2 BOARD PD0890A-2

BOTTOM (FOIL) SIDE



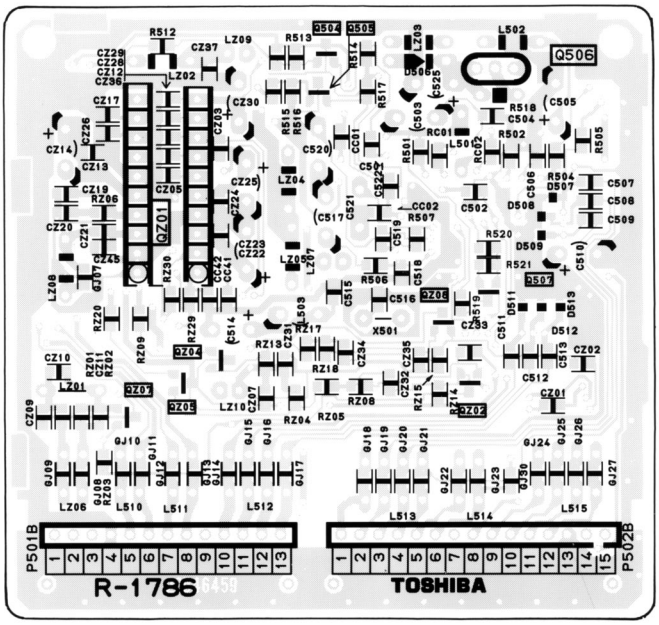
CRT DRIVE/DSM BOARD PB9955D

BOTTOM (FOIL) SIDE



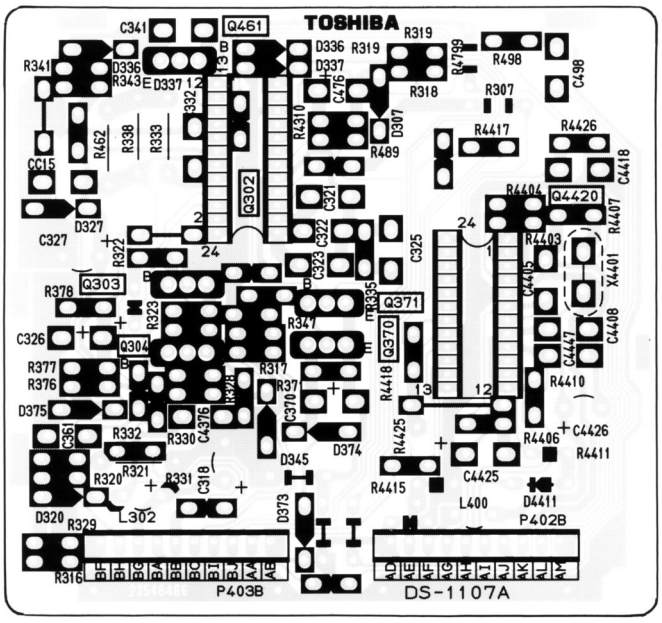
D-COMB BOARD PB9510A

BOTTOM (FOIL) SIDE



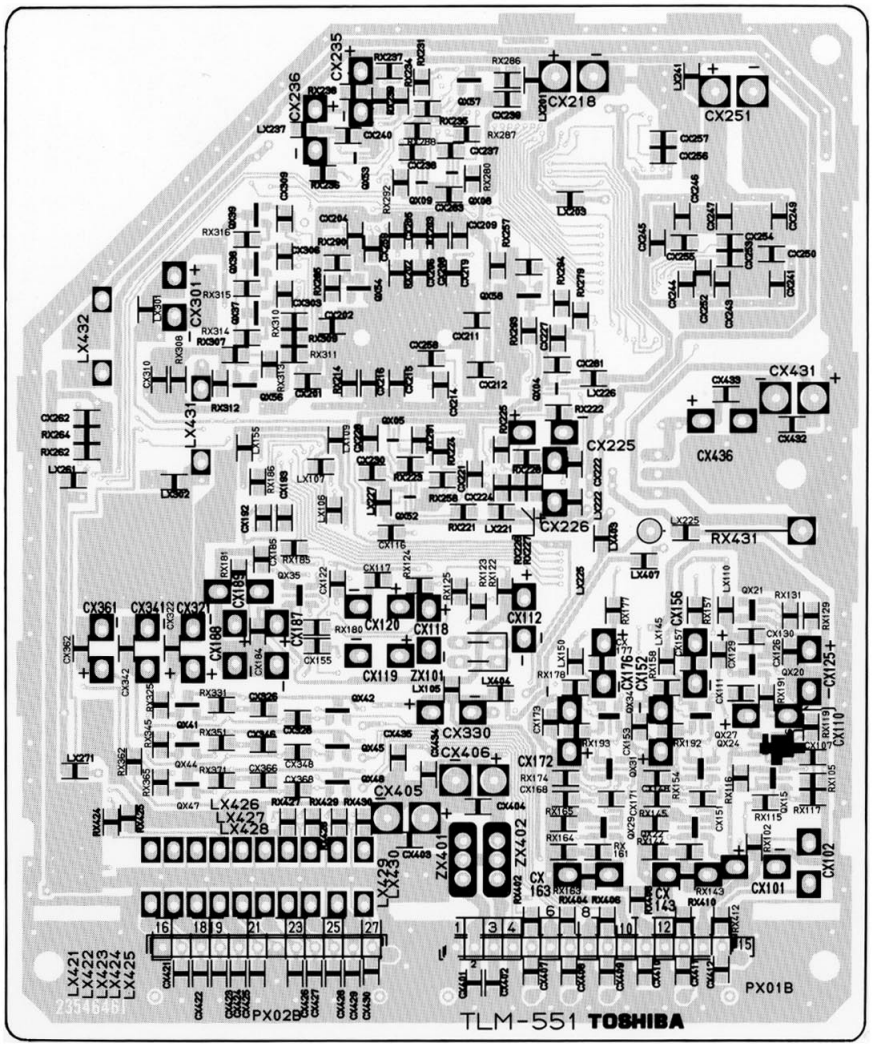
EW100Hz BOARD PB9517D

BOTTOM (FOIL) SIDE



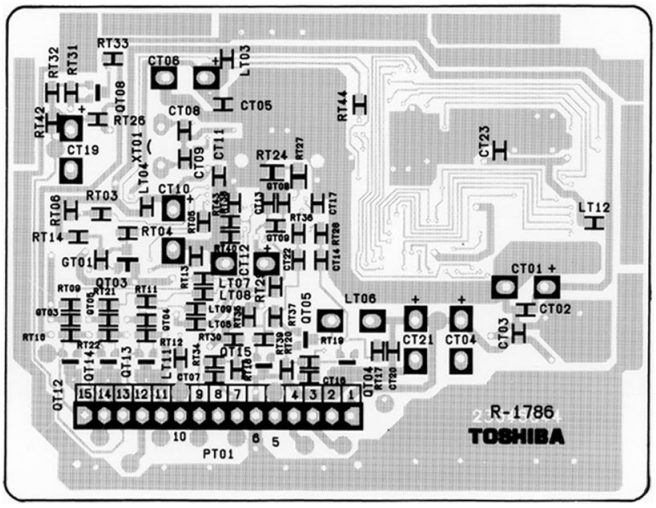
VER. 4 BOARD PB9512A

BOTTOM (FOIL) SIDE



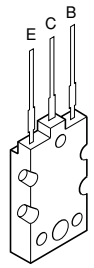
TEXT-P2 BOARD PD0267B

BOTTOM (FOIL) SIDE

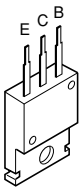


TERMINAL VIEW OF TRANSISTORS

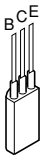
① 2SD2253
(old)
2SC5243
2SC5570



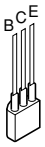
② 2SC3852
2SD1763A
2SC1569
2SC4544
2SA1788
2SA1306
2SA1186A



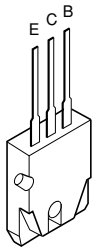
③ 2SC752GTM
2SC2482
2SC2655
2SC4721P



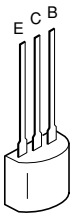
④ 2SC752
2SA562TM
2SA1015
2SC1815
2SC2878
2SC1740S
2SC2120
2SA9335



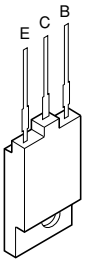
⑤ 2SA1788



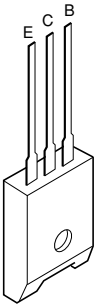
⑥ RN2203
RN2201
RN2004
RN1203
RN1204
RN2204
RN1205
RN1202
RN1201



⑦ 2SD1554
2SD2253
2SD1556
2SC5143
2SD2553



⑧ ON4409



SCHEMATIC DIAGRAM

MODEL : 38VH26P

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.

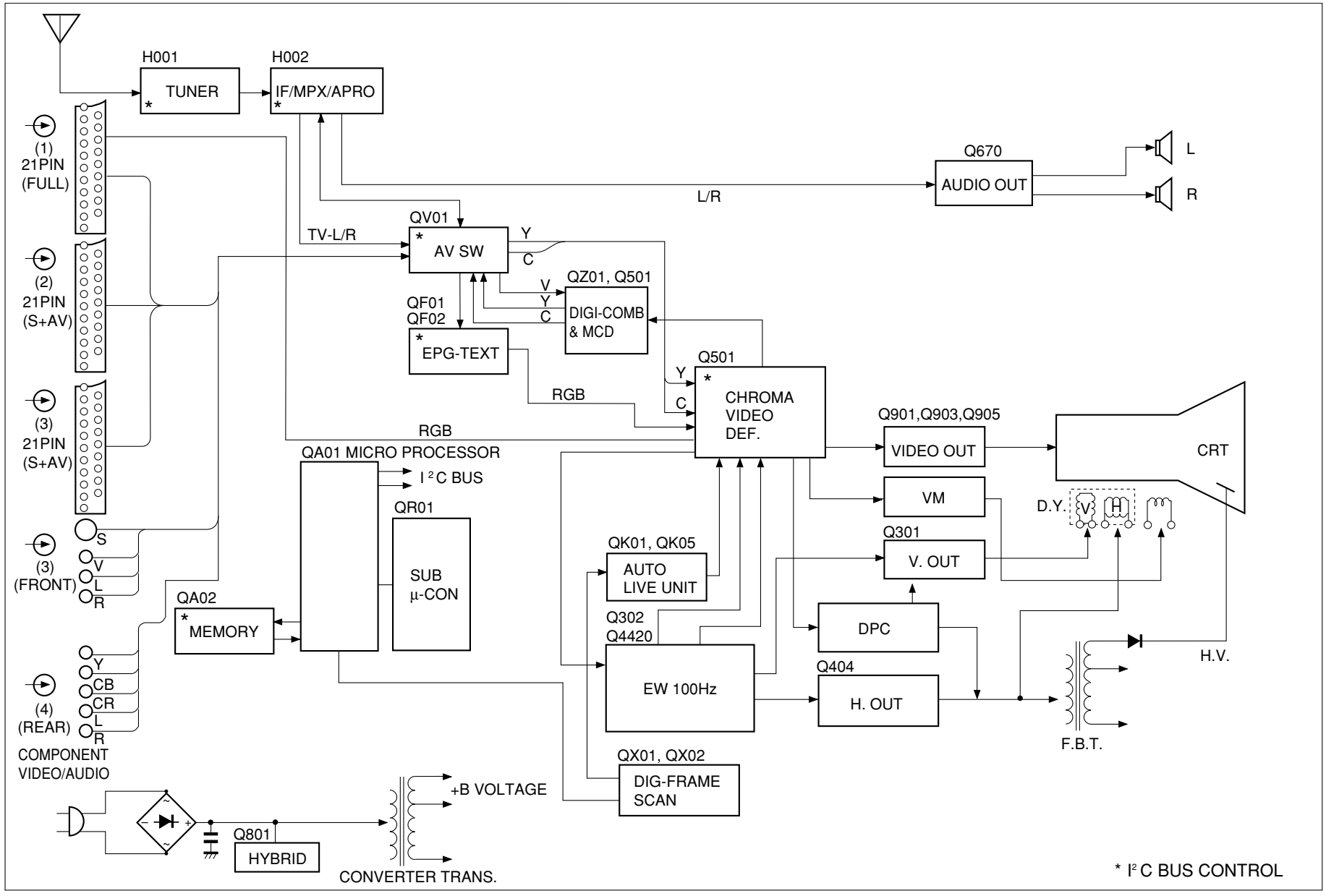
NOTE:

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:

- CRT-D Circuit 1/9
- CONTROL-1 / CONTROL-2 Circuit 2/9
- M-TEXT-P2 Circuit 3/9
- SIGNAL Circuit 4/9
- POWER E/W Circuit 5/9
- DEF Circuit 6/9
- BACK-T Circuit 7/9
- D-COMB&MCD PART Circuit 8/9
- DFS Ver4.01 Dual SDRAM Circuit 9/9

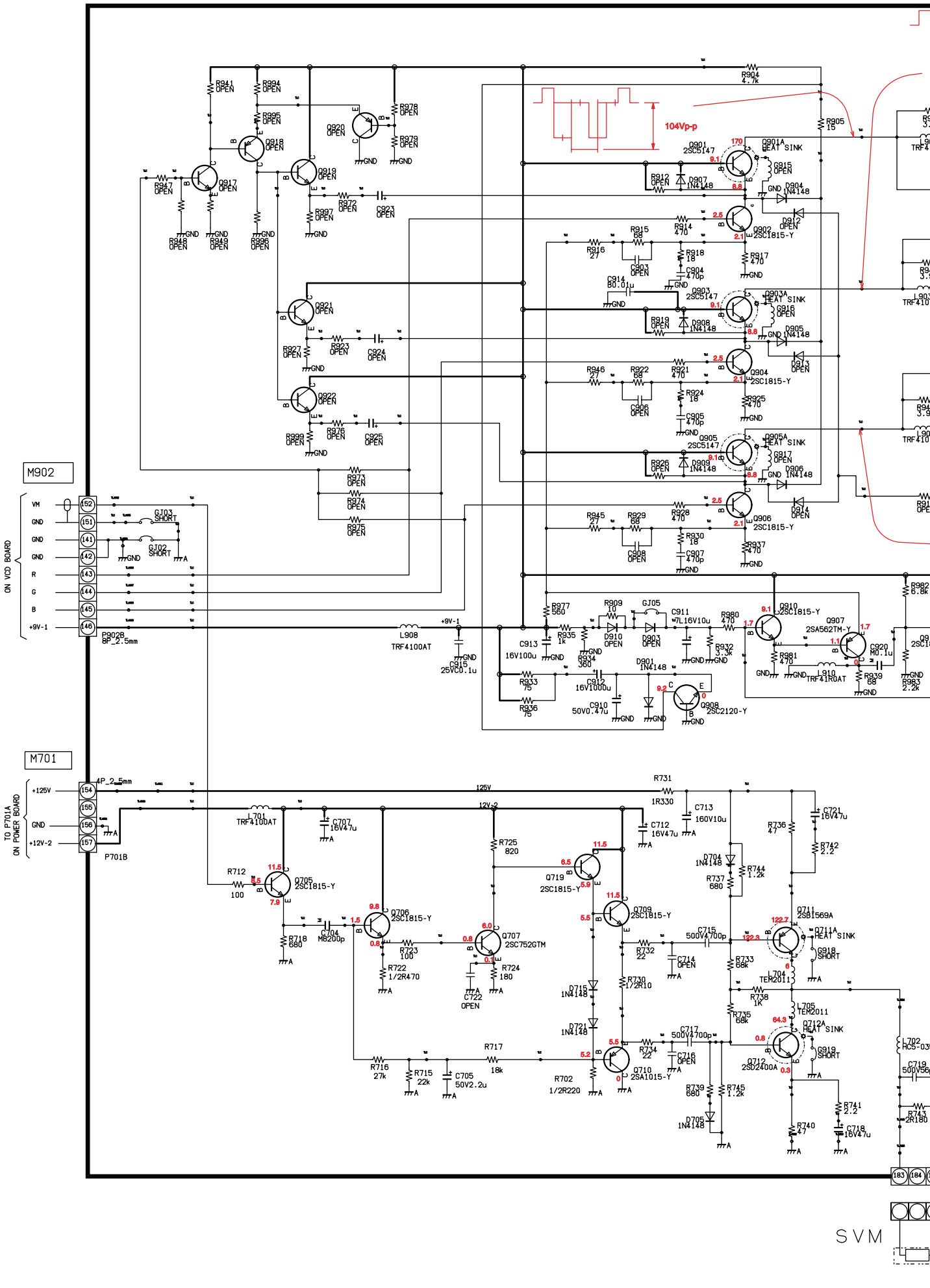
CIRCUIT BLOCK DIAGRAM

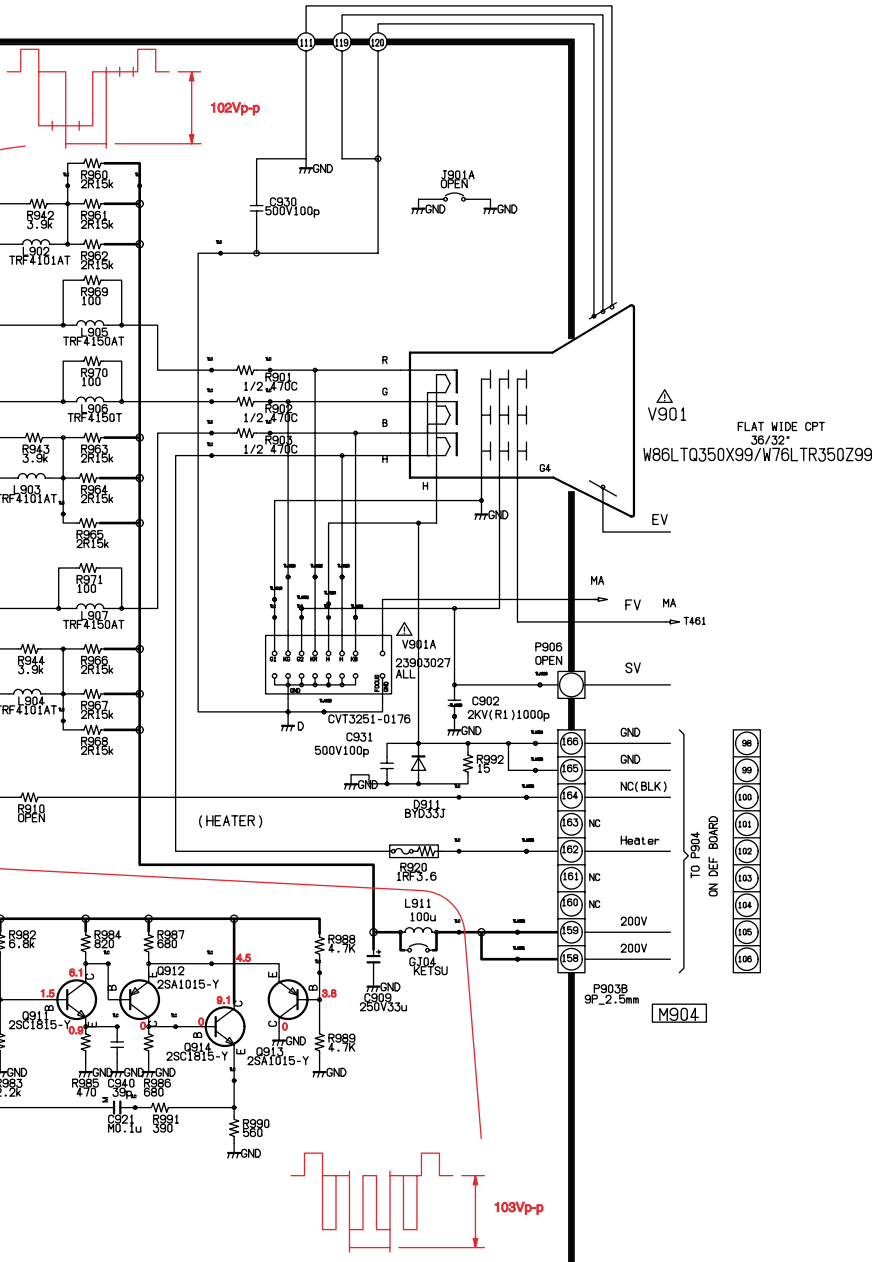


CRTD VSM PB9955A

38VH26P
Double Focus CRT-D

CRTD VSM PB9955A

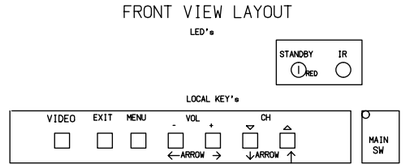




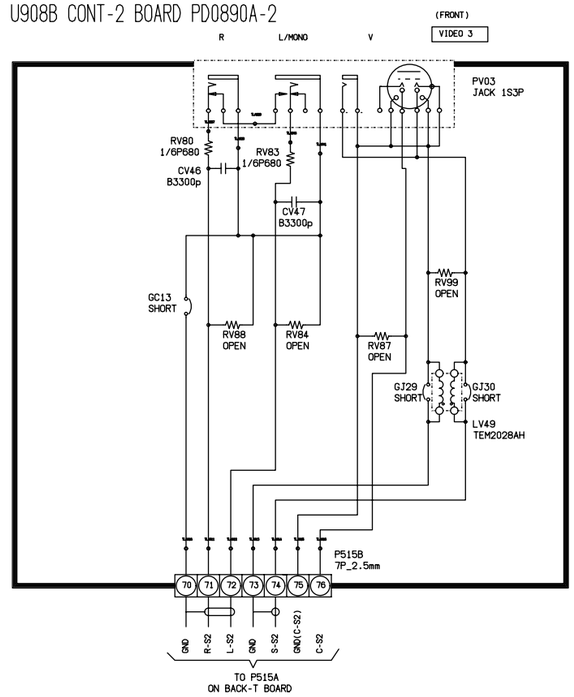
38VH26P
Double Focus CRT-D

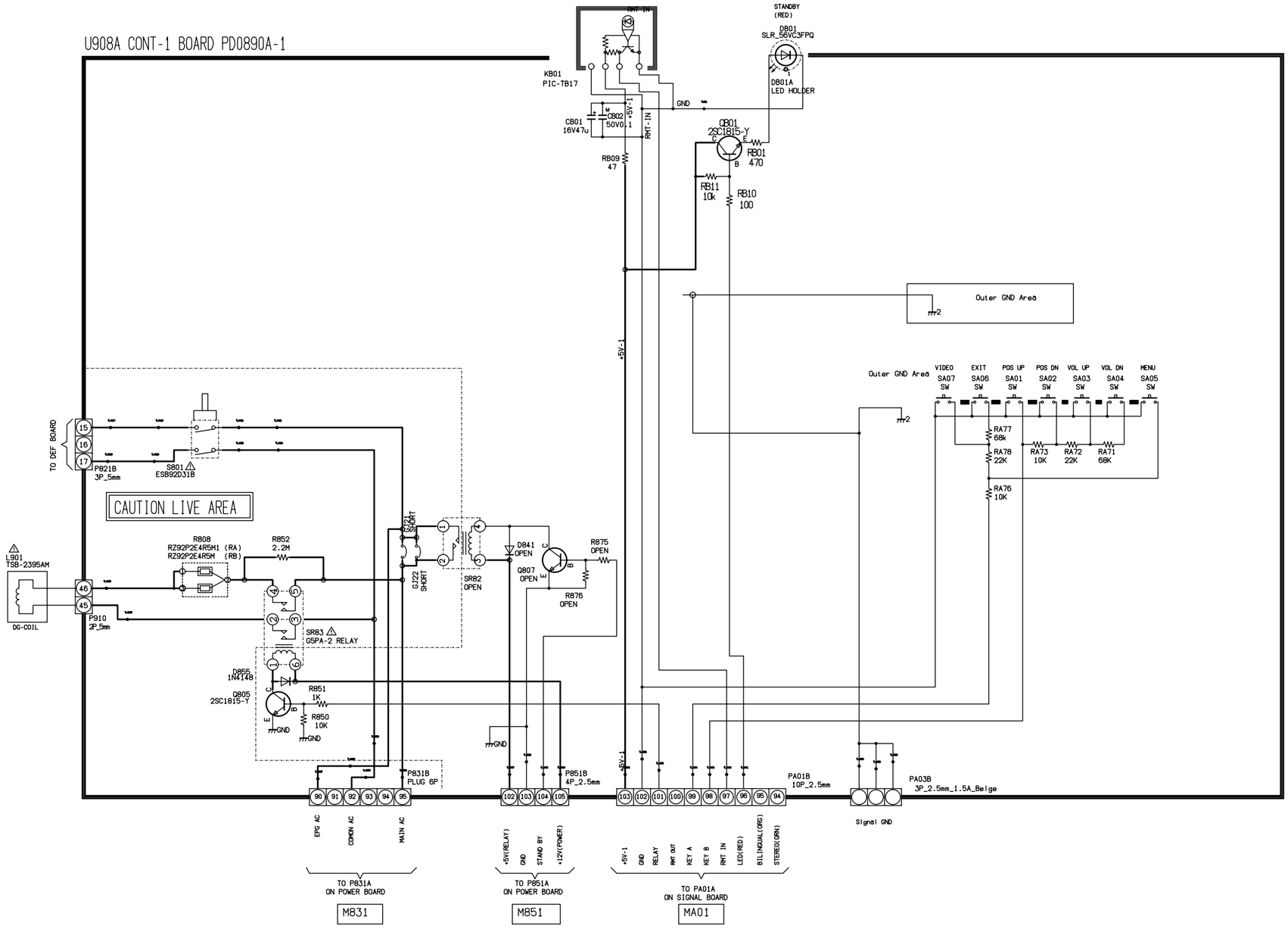
U908A CONT-1 BOARD PD0890A-1

FRONT VIEW LAYOUT

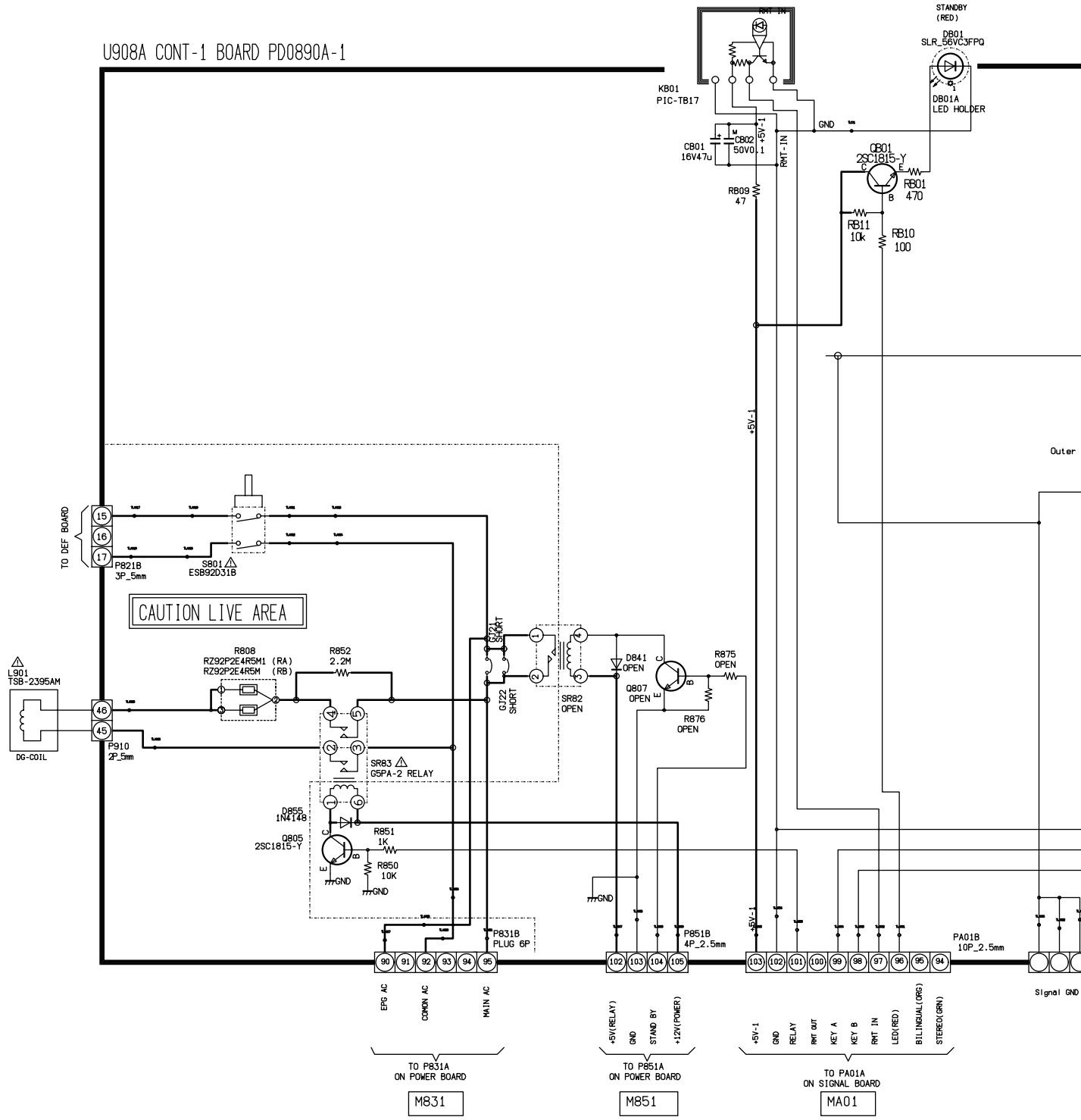


U908B CONT-2 BOARD PD0890A-2

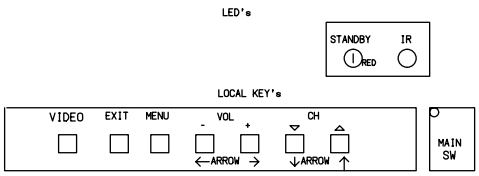


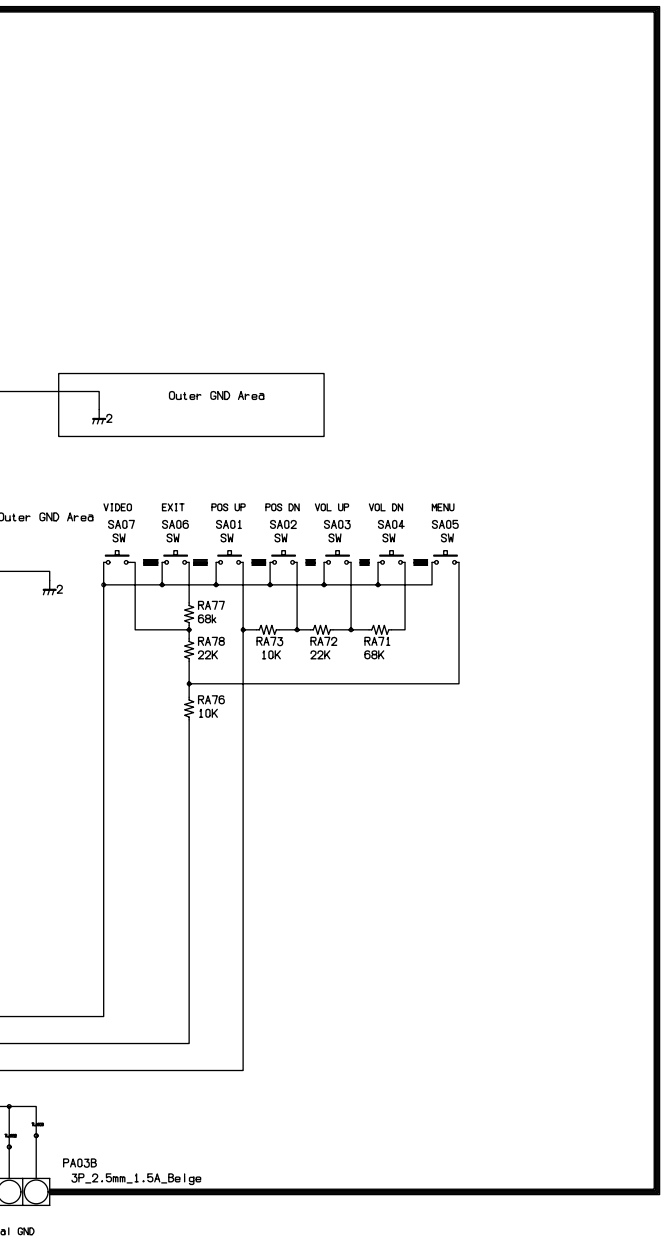


38VH26P
CONTROL-1 / CONTROL-2

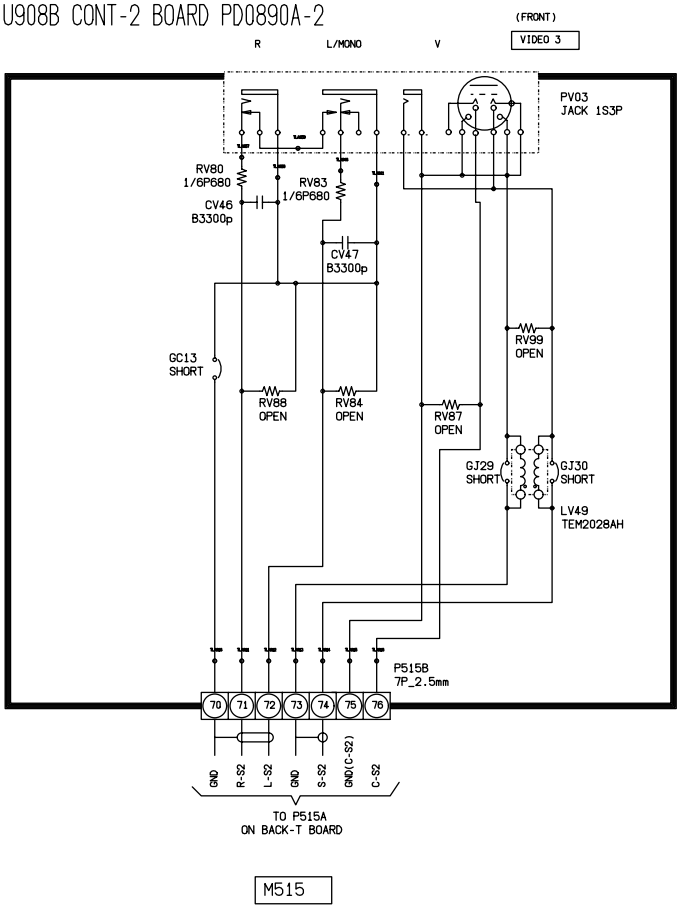

U908A CONT-1 BOARD PD0890A-1
RMT IN
STANDBY (RED)
DB01 SLR_56VC3FPQ
DB01A LED HOLDER
KB01 PIC-TB17
CB01 16V47u
CB02 50V0.1
+5V-1
RMT-IN
GND
QB01 2SC1815-Y
RB01 470
RB09 47
RB11 10k
RB10 100
Outer
TO DEF BOARD
P821B 3P_5mm
S801 ESB92D31B
CAUTION LIVE AREA
LS01 TSB-2395AM
DG-COIL
P910 2P_5mm
R808 RZ92P2E4R5M1 (RA) RZ92P2E4R5M (RB)
R852 2.2M
GJ21 SHORT
GJ22 SHORT
SR82 OPEN
D841 OPEN
Q807 OPEN
R875 OPEN
R876 OPEN
SR83 G5PA-2 RELAY
D855 1N4148
Q805 2SC1815-Y
R851 1K
R850 10K
P831B PLUG 6P
P851B 4P_2.5mm
PA01B 10P_2.5mm
Signal GND
EPG AC
COMON AC
MAIN AC
+5V(RELAY)
STAND BY
+12V(POWER)
+5V-1
RELAY
RMT OUT
KEY A
KEY B
RMT IN
LED(RED)
BILINGUAL(ORG)
STEREO(GRN)
TO P831A ON POWER BOARD
TO P851A ON POWER BOARD
TO PA01A ON SIGNAL BOARD
M831
M851
MA01

FRONT VIEW LAYOUT



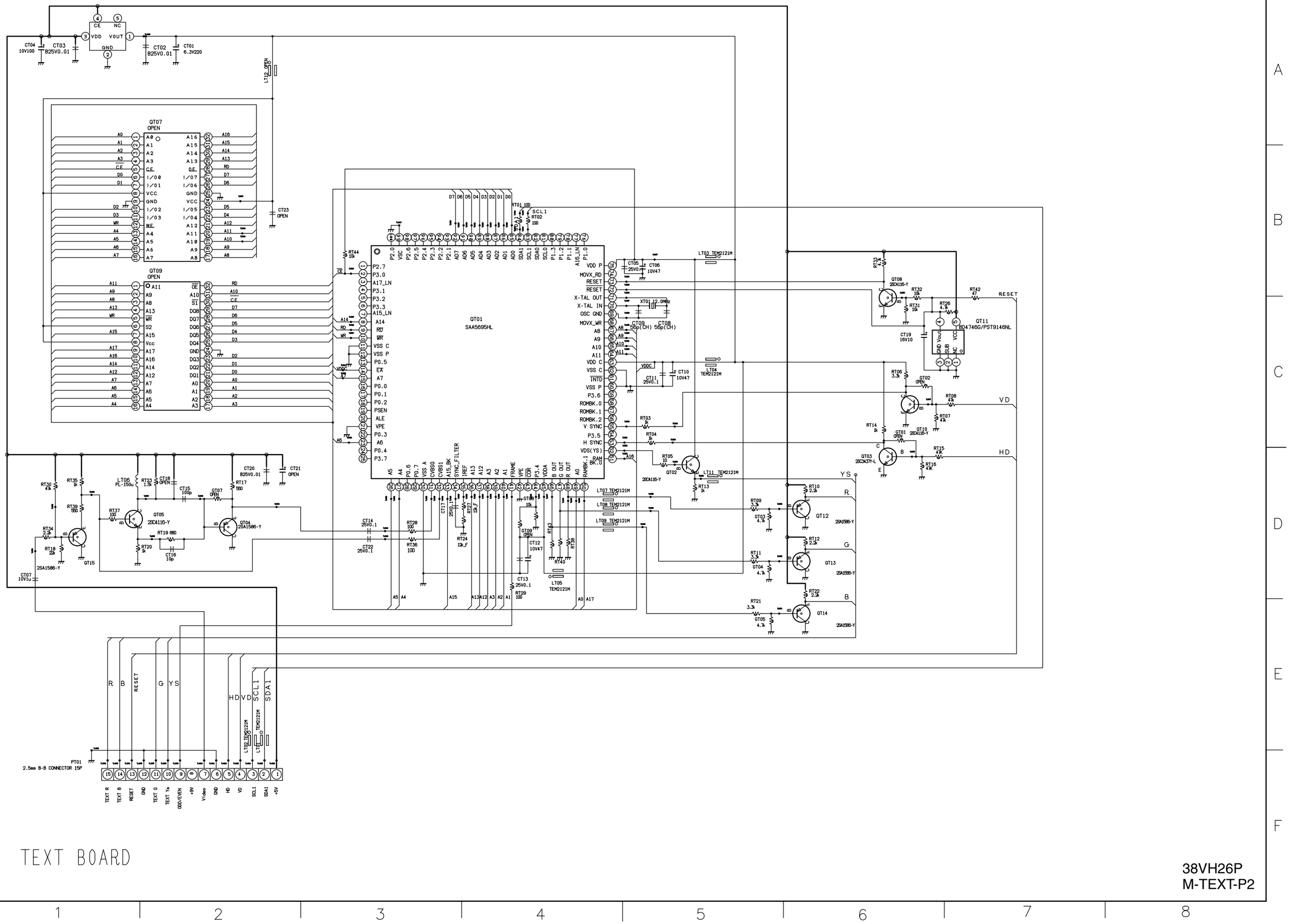


U908B CONT-2 BOARD PD0890A-2



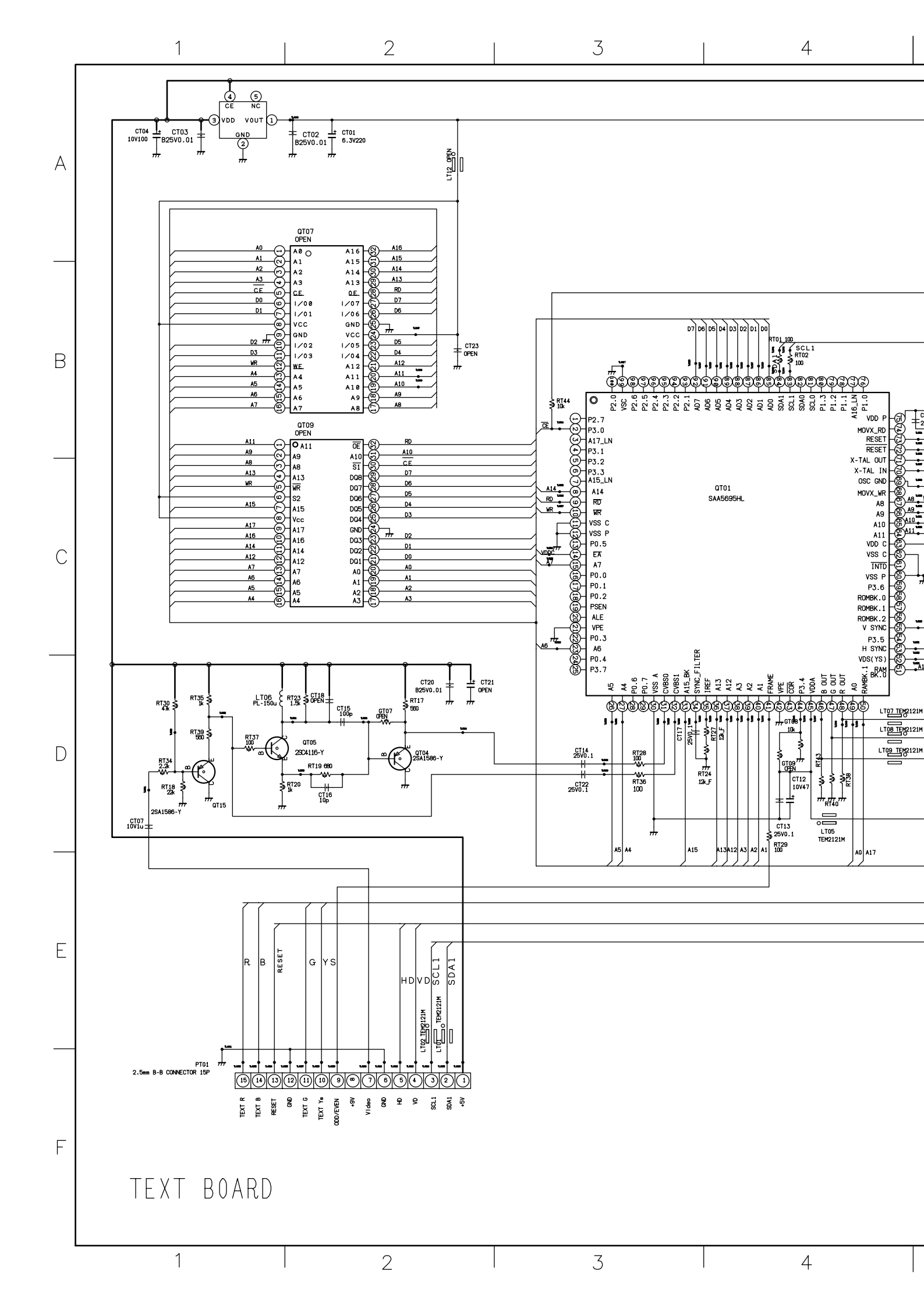
M515

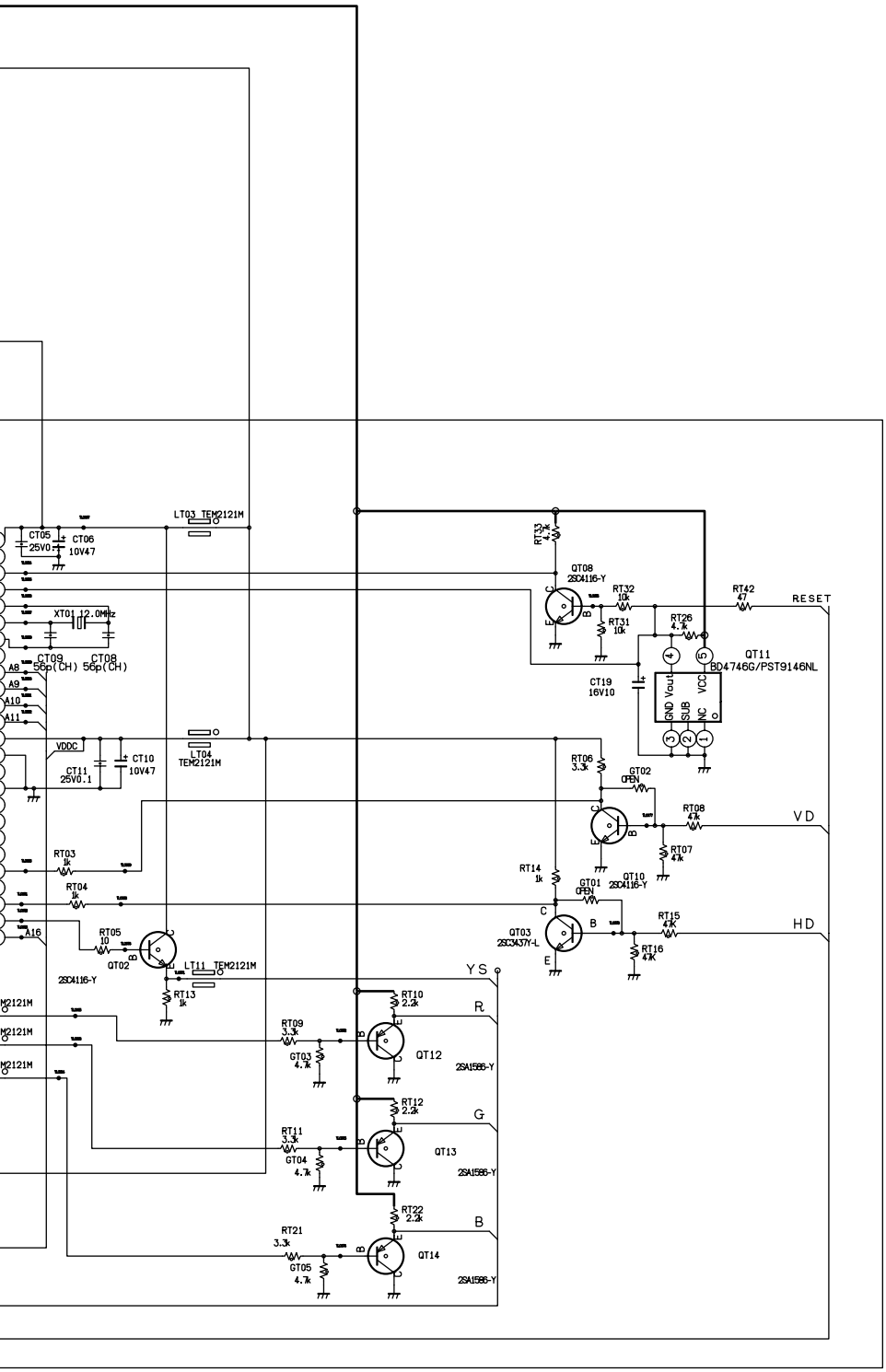
38VH26P
CONTROL-1 / CONTROL-2



TEXT BOARD

38VH26P
M-TEXT-P2


CE
NC
VDD
VOUT
GND
CT04 10V100
CT03 B25V0.01
CT02 B25V0.01
CT01 6.3V220
LT12 OPEN
QT07 OPEN
QT09 OPEN
CT23 OPEN
QT01 SAA5695HL
RT01 100
SCL1
RT02 100
RT44 10k
CT20 B25V0.01
CT21 OPEN
LT06 PL-150u
RT23 1.5k
CT18 OPEN
CT15 100p
RT17 560
GT07 OPEN
RT30 4k
RT35 1k
RT39 560
RT37 100
QT05 2SC4116-Y
QT04 2SA1586-Y
RT19 680
RT34 2.2k
RT18 22k
RT20 1k
CT16 10p
QT15 2SA1586-Y
CT07 10V1u
CT14 25V0.1
CT22 25V0.1
RT28 10
RT36 100
CT17 25V0.1
RT27 12k_F
RT24 12k_F
GT08 10k
GT09 OPEN
CT12 10V47
RT43
RT38
RT40
CT13 25V0.1
RT29 100
LT05 TEM2121M
LT07 TEM2121M
LT08 TEM2121M
LT09 TEM2121M
LT02 TEM2121M
LT01 TEM2121M
R
B
RESET
G
Y
S
H
D
V
D
SCL1
SDA1
PT01
2.5mm B-B CONNECTOR 15P
TEXT R
TEXT B
RESET
GND
TEXT G
TEXT Ys
ODD/EVEN
+9V
Video
GND
HD
VD
SCL1
SDA1
+5V
TEXT BOARD



38VH26P
M-TEXT-P2

MEGA TEXT
PD02

U902A SIGNAL BOARD PB0039

CENTRE SPK

CENTRE/SURROUND

L/R/WOOFER

+9V-1

+9V-2

+5V-2

+5V-3

+5V-4

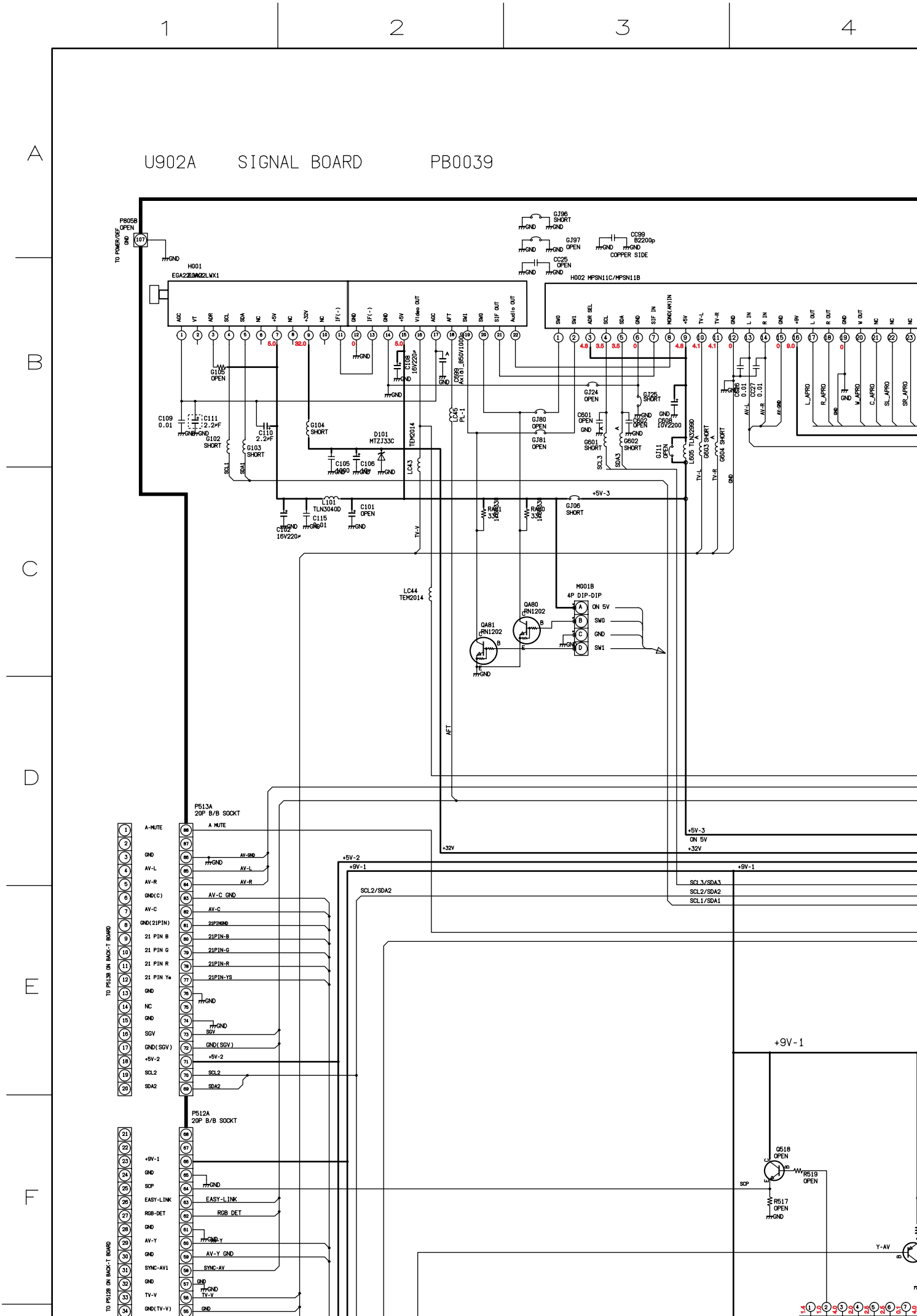
D-COMB & MCD BOARD
PB9510A

DFS UNIT BOARD
PB9954
Dual SDRAM

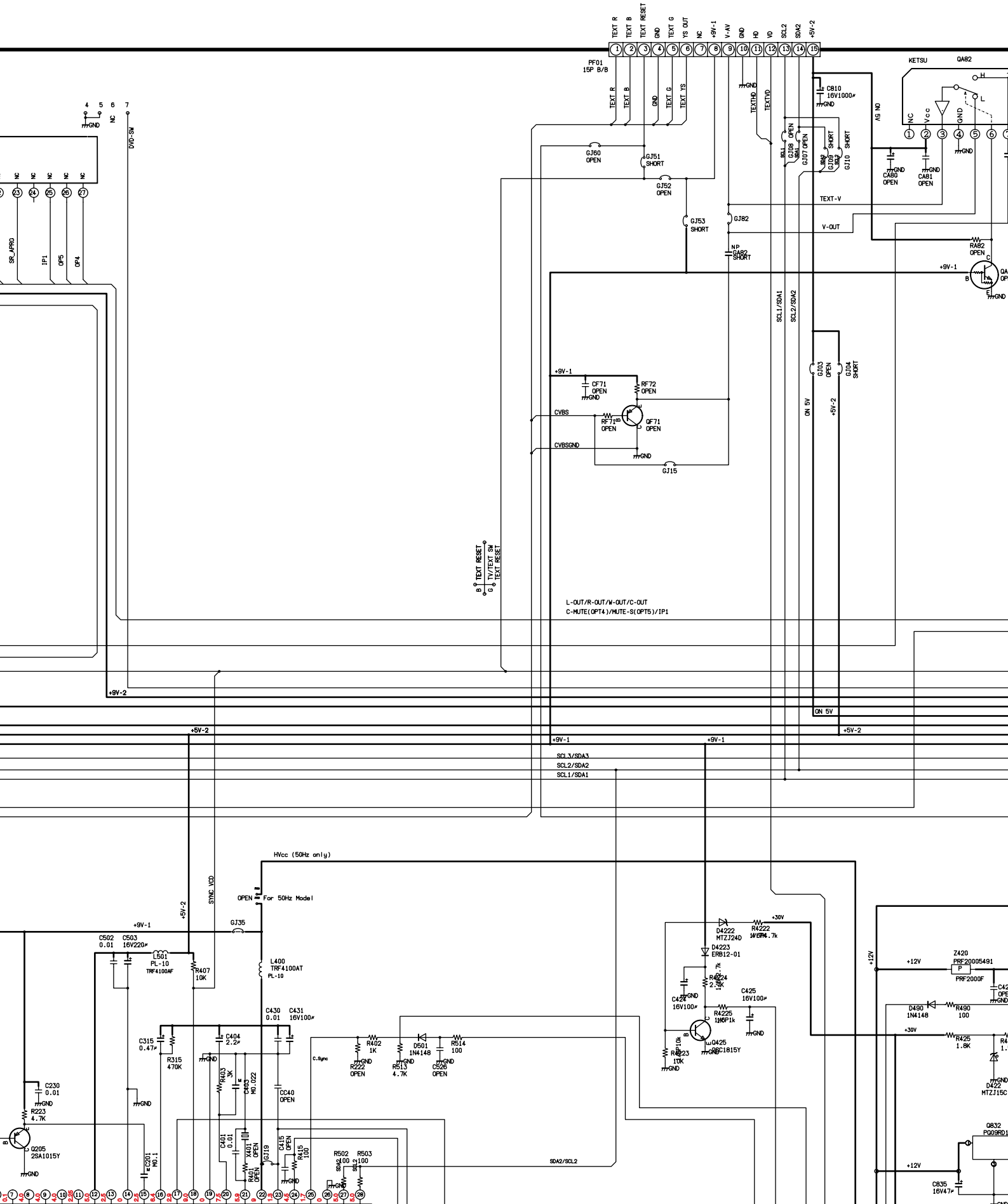
DEF UNIT BOARD
PB9951A(36)PB9951B(32)

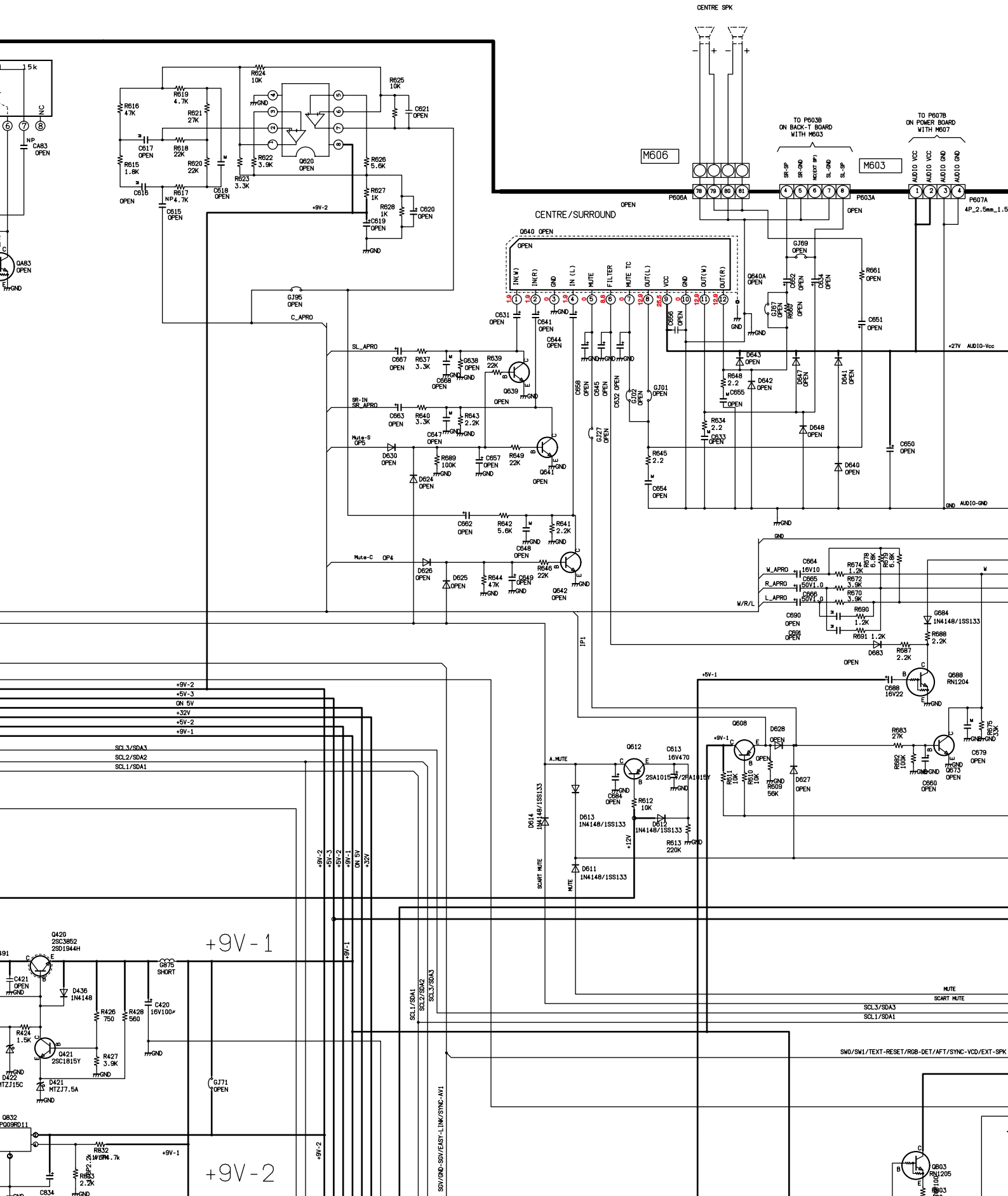
POWER UNIT BOARD
PB9515K

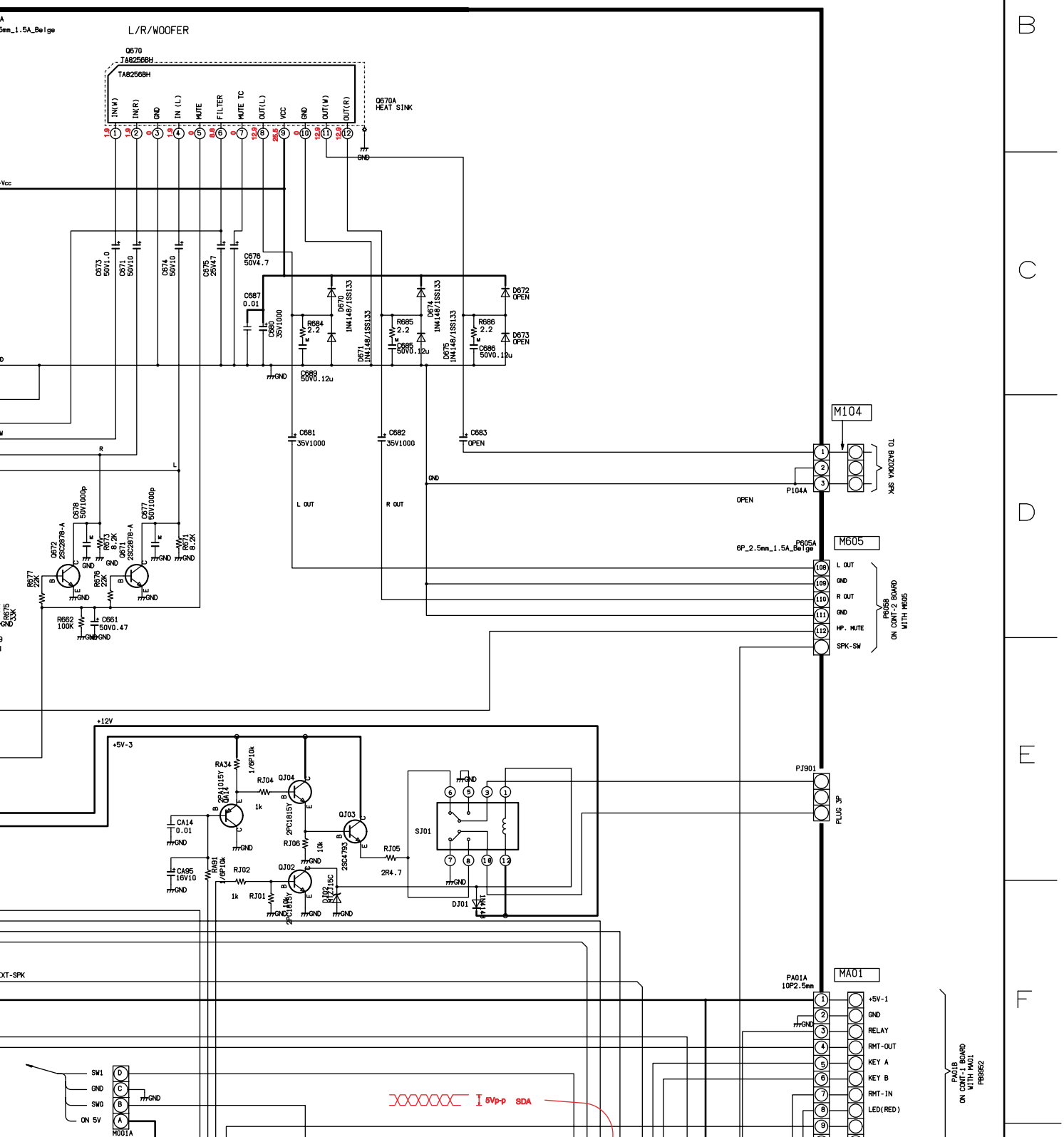
38VH26P
SIGNAL

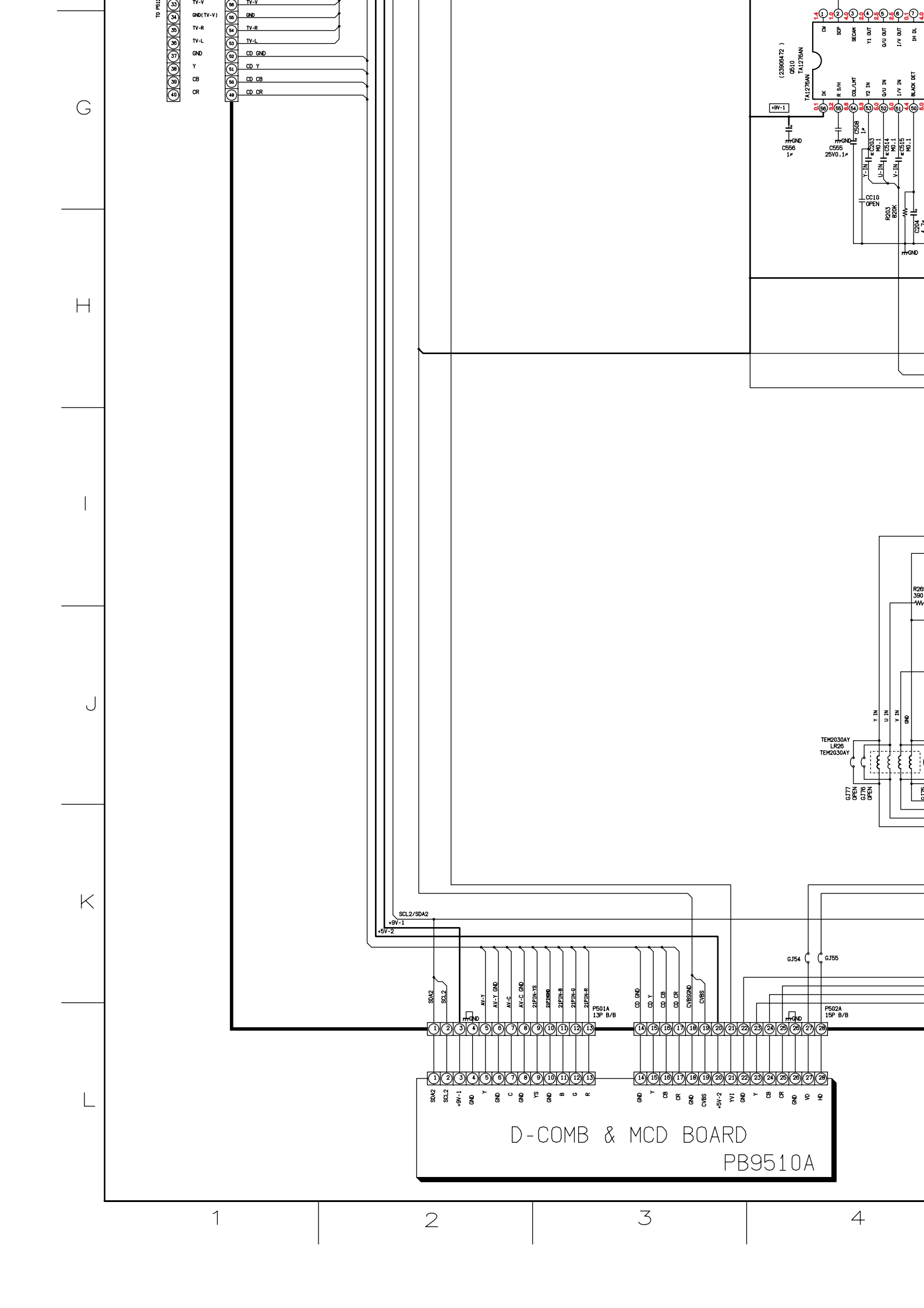

U902A SIGNAL BOARD PB0039
1
2
3
4
A
B
C
D
E
F
P805B
TO POWER/DEF
H001
H002 MPSN11C/MPSN11B
GJ96 SHORT
GJ97 OPEN
CC99 B2200p
COPPER SIDE
CC25 OPEN
C109 0.01
C111 2.2uF
C110 2.2uF
G102 SHORT
G103 SHORT
G104 SHORT
G105 OPEN
D101 MTZJ33C
C105 0.01
C106 0.01
L101 TLN3040D
C115 0.01
C101 OPEN
C102 16V220u
C108 16V220u
C99 AX101_B50V1000u
LC45 PL-1
LC43 TEM2014
LC44 TEM2014
GJ80 OPEN
GJ81 OPEN
GJ24 OPEN
GJ25 SHORT
C601 OPEN
C602 OPEN
C608 16V2200
G601 SHORT
G602 SHORT
GJ11 OPEN
L605 TLN3236D
G603 SHORT
G604 SHORT
C603 0.01
C227 0.01
GJ06 SHORT
RA80 3.3K
RA81 3.3K
+5V-3
TV-V
AFT
M001B
4P DIP-DIP
QA80 RN1202
QA81 RN1202
ON 5V
SW0
SW1
P513A
20P B/B SOCKT
A MUTE
AV-GND
AV-L
AV-R
AV-C GND
AV-C
21PINGND
21PIN-B
21PIN-G
21PIN-R
21PIN-YS
SGV
GND(SGV)
+5V-2
SCL2
SDA2
TO P513B ON BACK-T BOARD
P512A
20P B/B SOCKT
+9V-1
SCP
EASY-LINK
RGB DET
AV-Y GND
SYNC-AV
TV-V
TO P512B ON BACK-T BOARD
+32V
SCL2/SDA2
SCL3/SDA3
SCL1/SDA1
Q518 OPEN
R519 OPEN
R517 OPEN
Y-AV
L_APRO
R_APRO
C_APRO
SL_APRO
SR_APRO
W_APRO

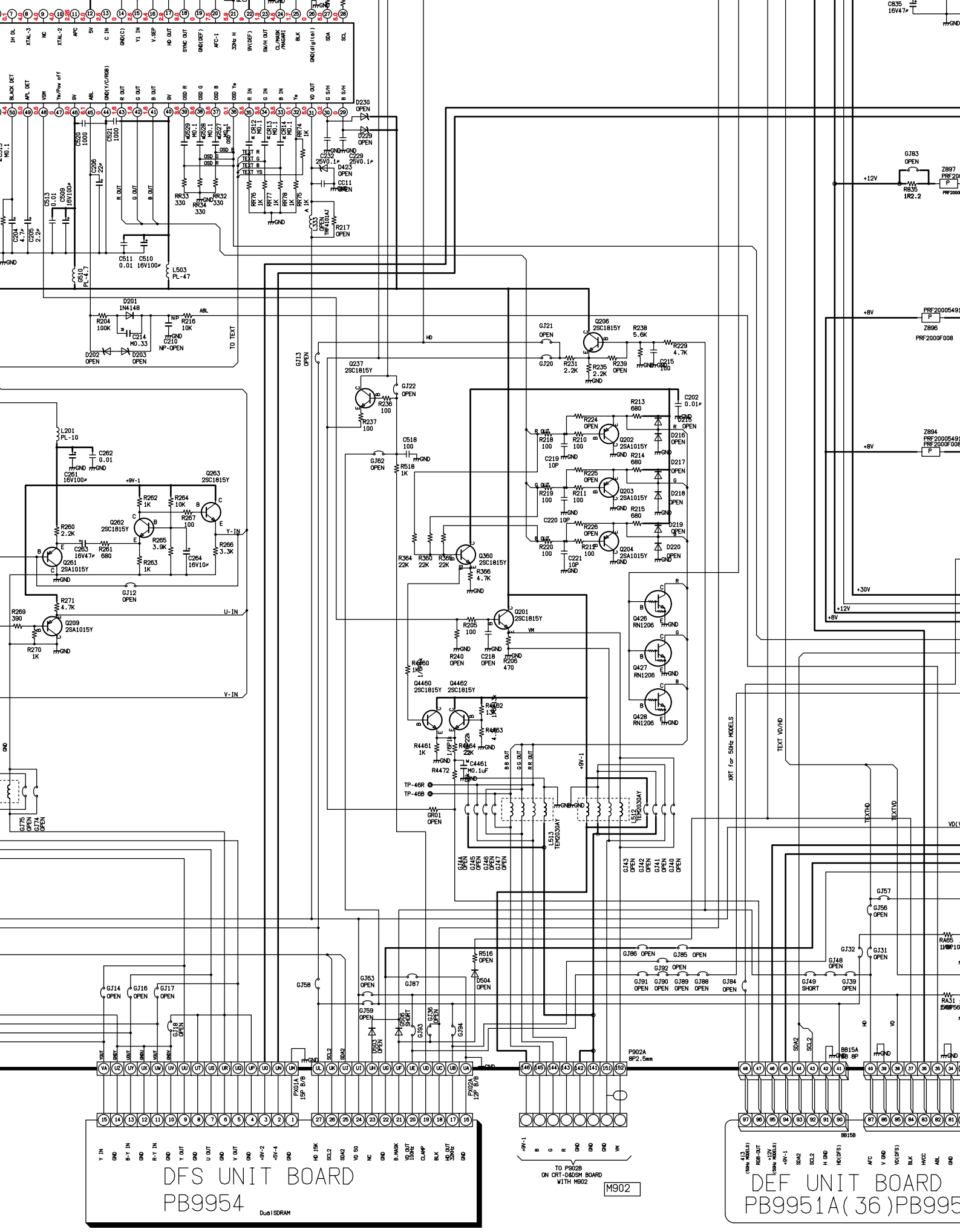
MEGA TEXT PD02

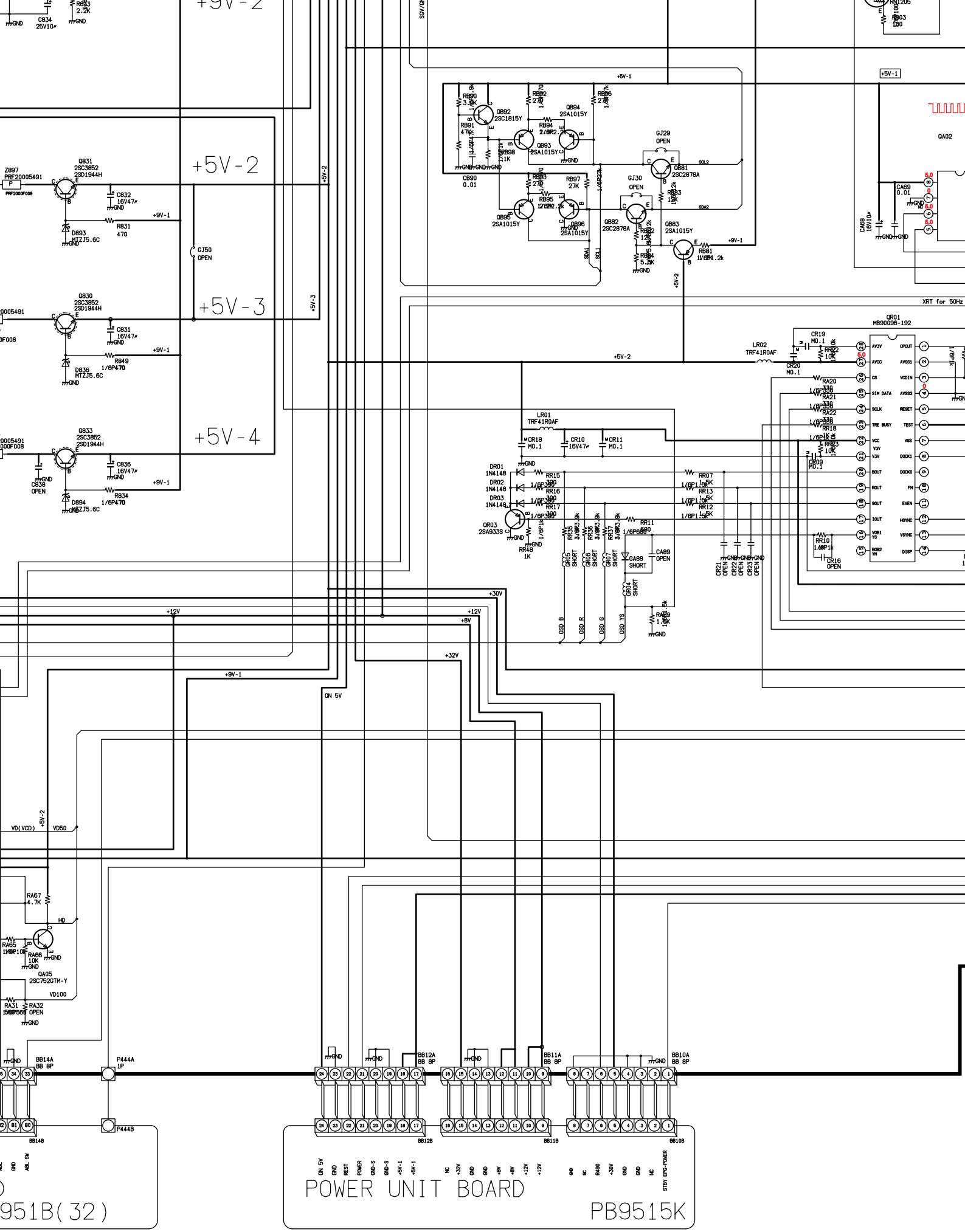


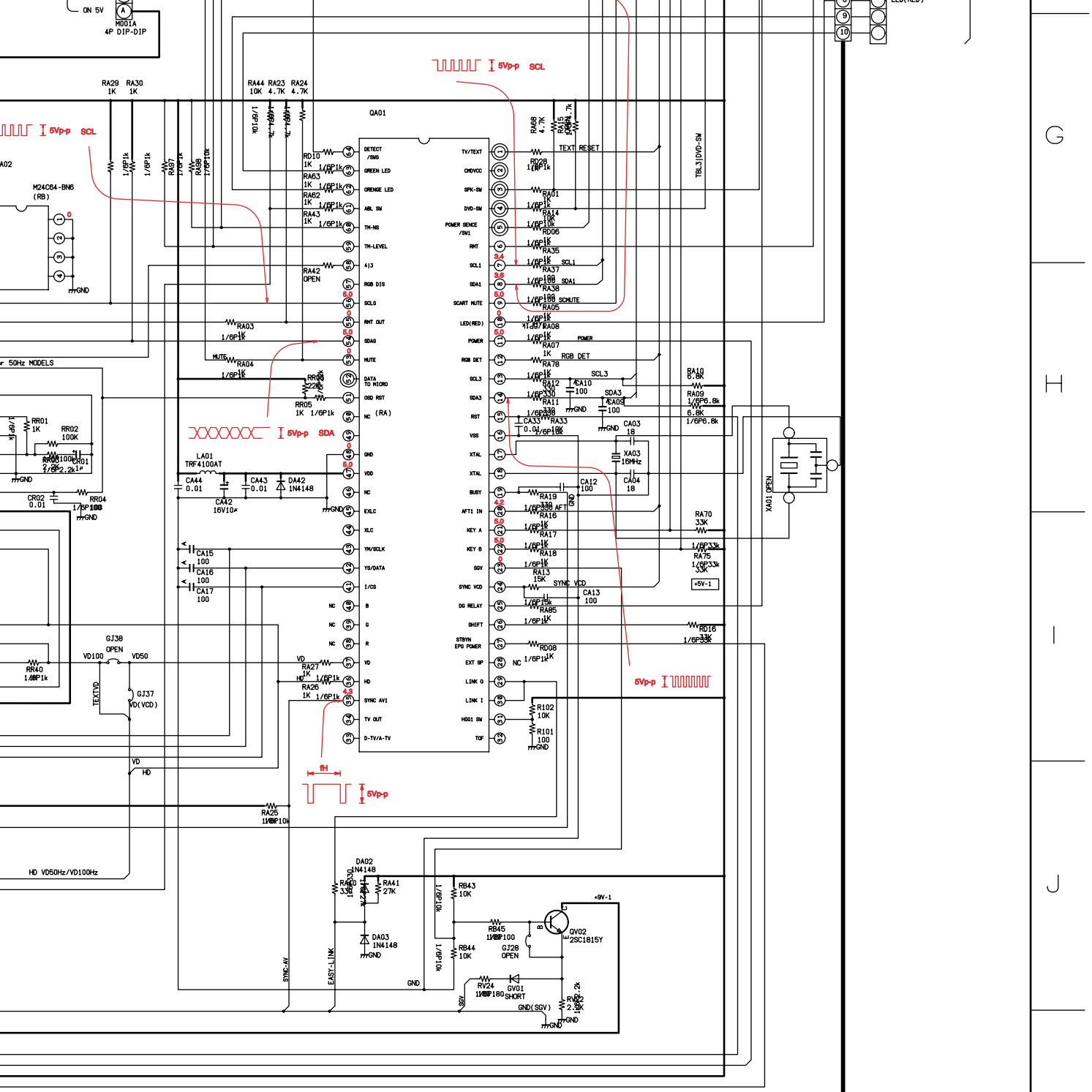

CENTRE SPK
TO P603B ON BACK-T BOARD WITH M603
TO P607B ON POWER BOARD WITH M607
M606
M603
P606A
P603A
P607A
4P_2.5mm_1.5
CENTRE/SURROUND
C_APRO
SL_APRO
SR-IN SR_APRO
Mute-S
Mute-C
W_APRO
R_APRO
L_APRO
W/R/L
+27V AUDIO-Vcc
GND AUDIO-GND
+9V-1
+9V-2
+5V-1
+5V-2
+5V-3
ON 5V
+32V
SCL3/SDA3
SCL2/SDA2
SCL1/SDA1
A.MUTE
SCART MUTE
MUTE
+12V
SW0/SW1/TEXT-RESET/RGB-DET/AFT/SYNC-VCD/EXT-SPK
SW0/GND-SW1/EASY-LINK/SYNC-AV1
IP1
+9V - 1
+9V - 2


L/R/WOOFER
Q670
TA8256BH
IN(W)
IN(R)
GND
IN (L)
MUTE
FILTER
MUTE TC
OUT(L)
VCC
GND
OUT(W)
OUT(R)
Q670A
HEAT SINK
C673 50V1.0
C671 50V10
C674 50V10
C675 25V47
C676 50V4.7
C687 0.01
C680 35V1000
R684 2.2
D670 1N4148/1SS133
D671 1N4148/1SS133
R685 2.2
C685 50V0.12u
D674 1N4148/1SS133
D675 1N4148/1SS133
R686 2.2
C686 50V0.12u
D672 OPEN
D673 OPEN
C689 50V0.12u
C681 35V1000
C682 35V1000
C683 OPEN
L OUT
R OUT
GND
M104
P104A
OPEN
TO BA2006A SPK
P605A
6P_2.5mm_1.5A_Beige
M605
L OUT
GND
R OUT
GND
HP. MUTE
SPK-SW
P605B
ON CONT-2 BOARD
WITH M605
C678 50V1000p
C677 50V1000p
Q672 2SC2878-A
Q671 2SC2878-A
R673 8.2K
R671 8.2K
R677 22K
R676 22K
R662 100K
C661 50V0.47
R675 33K
+12V
+5V-3
RA34 1/6P10k
RJ04 1k
QJ04 2PC1815Y
QJ03 2SC4793
RJ06 10k
RJ05 2R4.7
SJ01
DJ01 1N4148
CA14 0.01
CA95 16V10
RA91 1/6P10k
RJ02 1k
QJ02 2PC1815Y
RJ01 10k
DJ02 1N4148
PJ901
PLUG 3P
EXT-SPK
PA01A
10P2.5mm
MA01
+5V-1
GND
RELAY
RMT-OUT
KEY A
KEY B
RMT-IN
LED(RED)
PA01B
ON CONT-1 BOARD
WITH MA01
PB9852
SW1
GND
SW0
ON 5V
M001A
5Vp-p
SDA

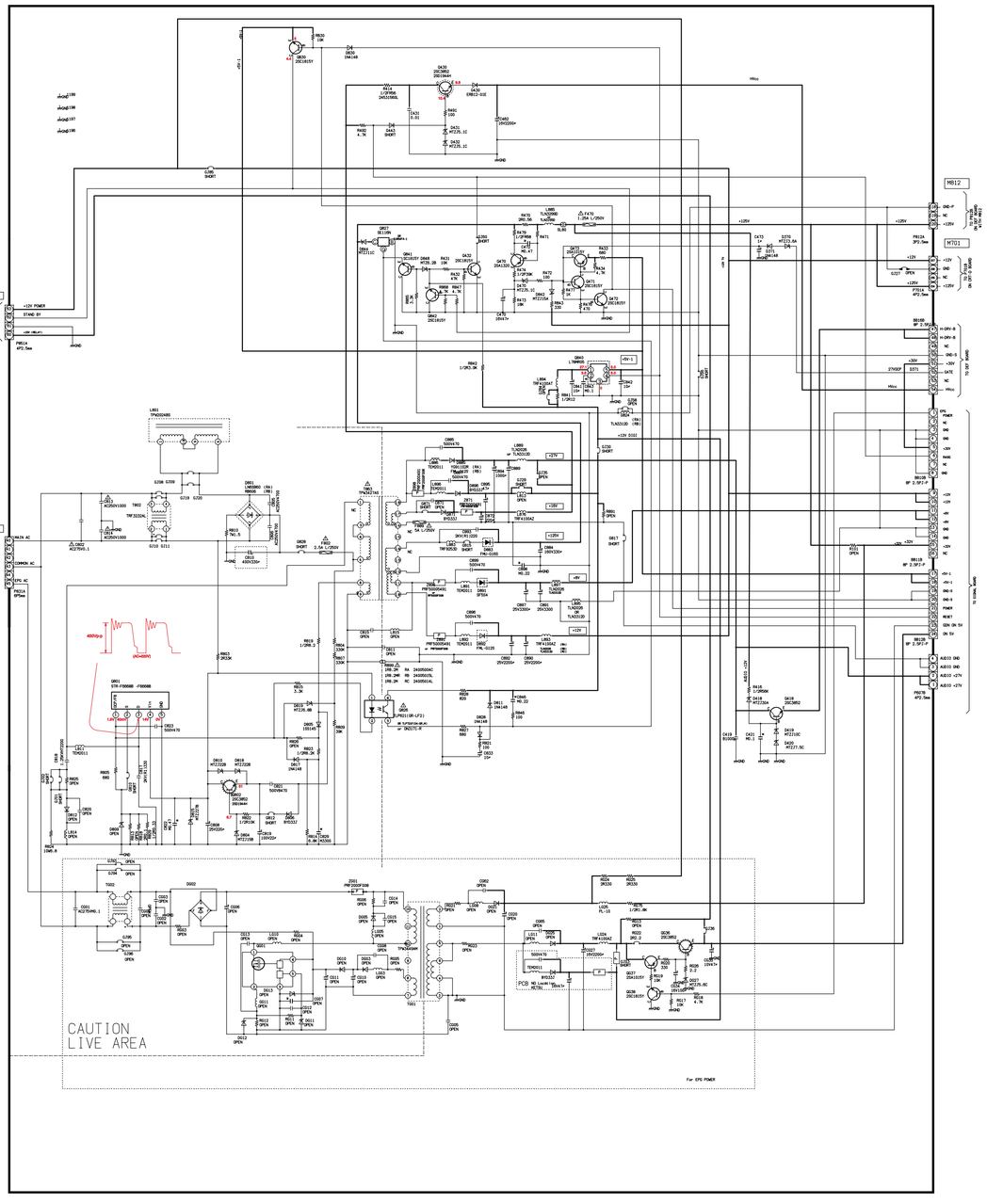

TV-V
GND(TV-V)
TV-R
TV-L
GND
Y
CB
CR
CD GND
CD Y
CD CB
CD CR
TA1276AN
+9V-1
C556 1μ
C555 25V0.1μ
C508 1μ
C503 M0.1
C514 M0.1
C515 M0.1
Y-IN
U-IN
V-IN
CC10 OPEN
R203 820K
C204
TEM2030AY
LR26
GJ77 OPEN
GJ76 OPEN
SCL2/SDA2
+9V-1
+5V-2
P501A 13P B/B
P502A 15P B/B
GJ54
GJ55
SDA2
SCL2
+9V-1
GND
Y
C
YS
B
G
R
CD GND
CD Y
CD CB
CD CR
CVBSGND
CVBS
+5V-2
YVI
VD
HD
D-COMB & MCD BOARD
PB9510A


DFS UNIT BOARD
PB9954
Dual SDRAM
DEF UNIT BOARD
PB9951A(36)PB995
TO P902B
ON CRT-D&DSM BOARD
WITH M902
M902
TO TEXT
U-IN
V-IN
Y-IN
XRT for 50Hz MODELS
TEXT VD/HD
TEXTHD
TEXTVD
P902A
8P2.5mm
BB15B
BB15A
PX01A
15P B/B
PX02A
12P B/B
Y IN
GND
B-Y IN
R-Y IN
U OUT
V OUT
+5V-2
+5V-4
HD 15K
SCL2
SDA2
VD 50
NC
B. MASK
VD OUT 110Hz
CLAMP
BLK
HD OUT 32kHz
+9V-1
+12V
AFC
V GND
VD(DFS)
BLK
HVCC
ABL
H GND
RGB-OUT

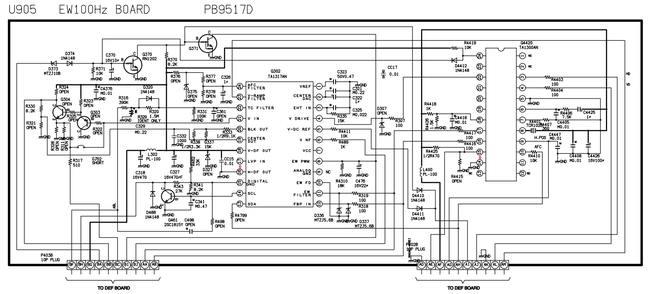

+5V-2
+5V-3
+5V-4
+9V-1
+5V-1
+12V
+30V
+8V
+32V
ON 5V
XRT for 50Hz
POWER UNIT BOARD
PB9515K
951B(32)


QA01
5Vp-p SCL
5Vp-p SDA
5Vp-p
fH
TEXT RESET
POWER
RGB DET
SCL3
SDA3
SCL1
SDA1
SCMUTE
SYNC VCD
MUTE
SYNC-AV
EASY-LINK
GND(SGV)
HD VD50Hz/VD100Hz
38VH26P
SIGNAL

U903 POWER BOARD PB9515K

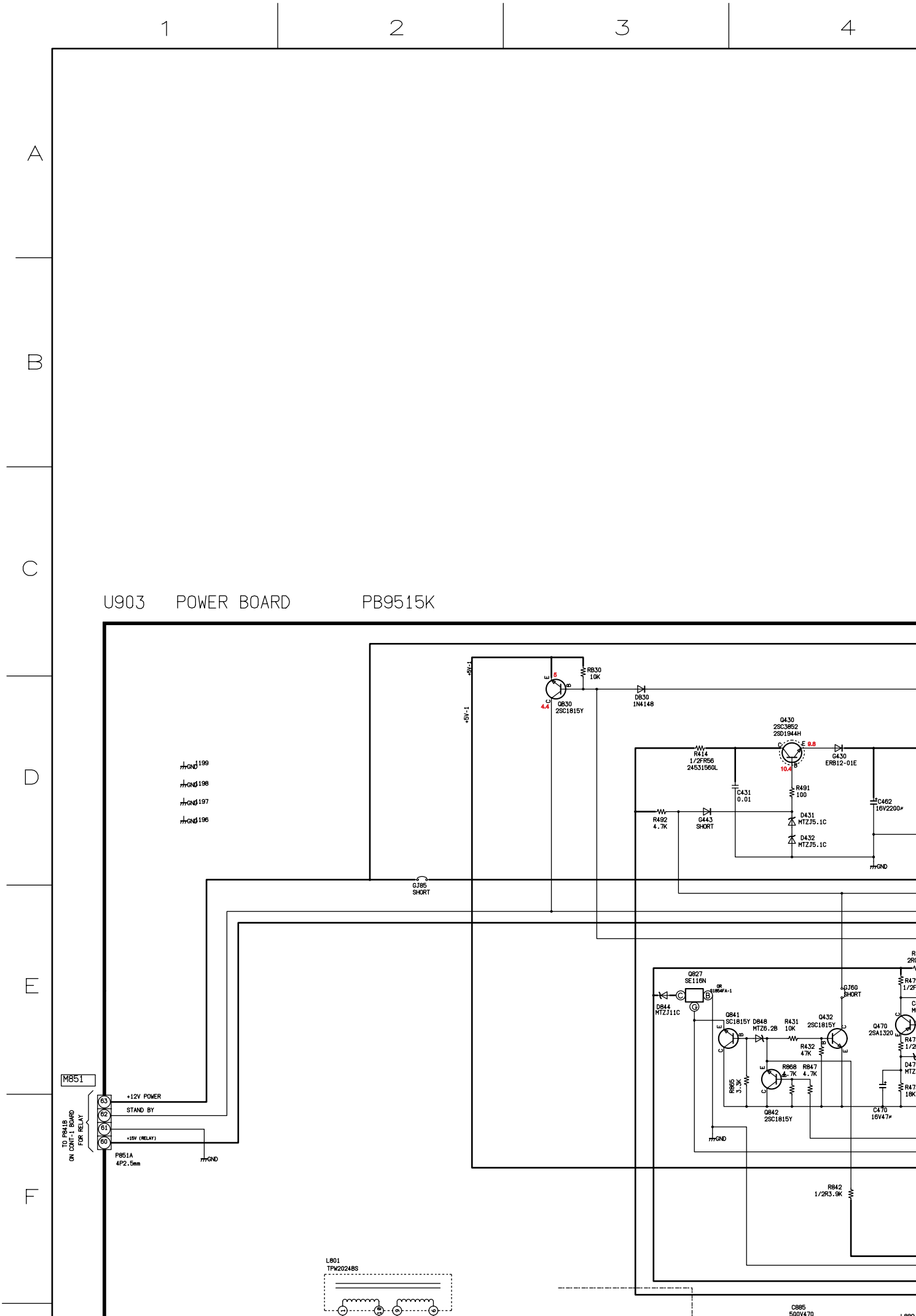


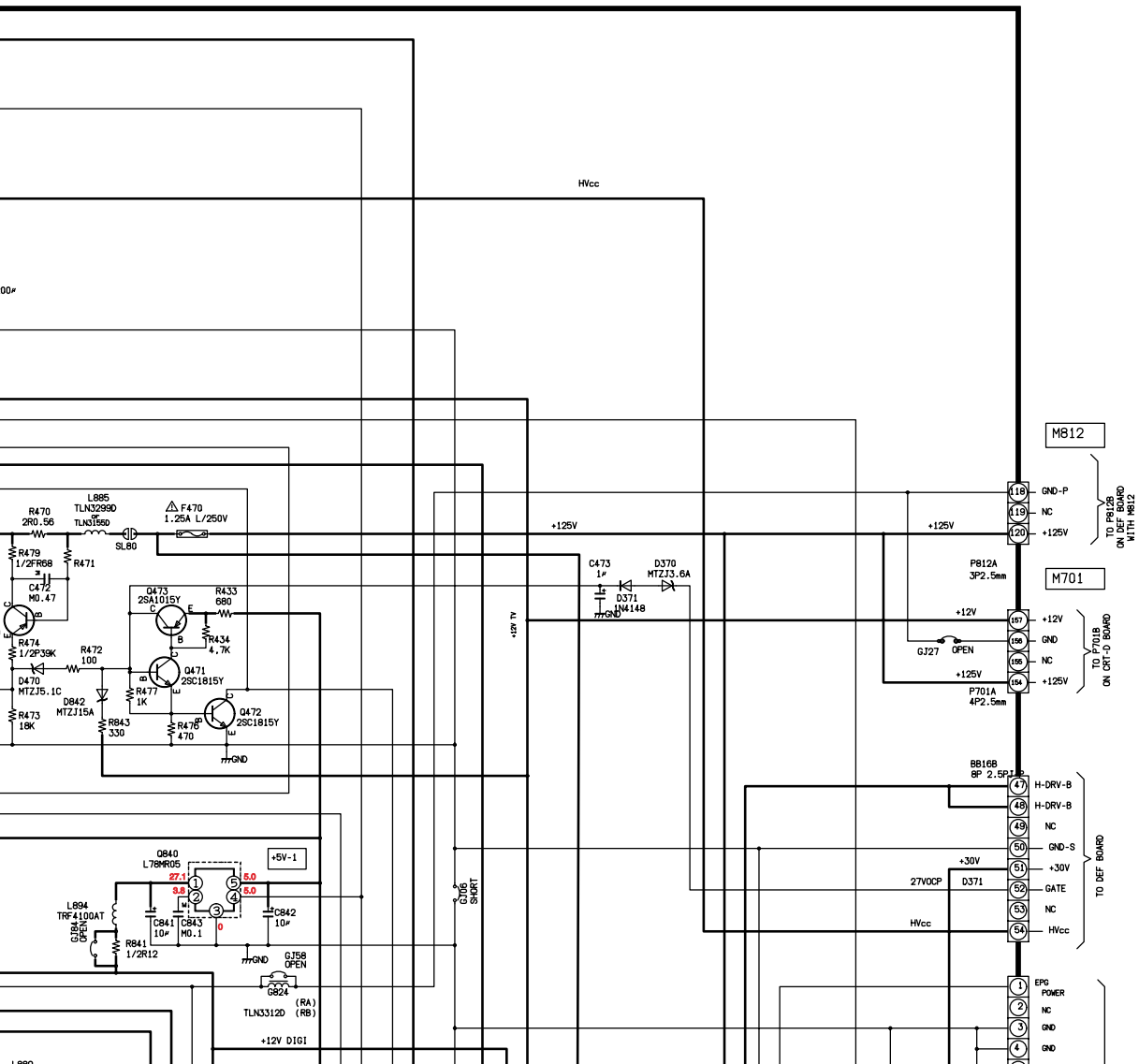
U905 EW100Hz BOARD PB9517D



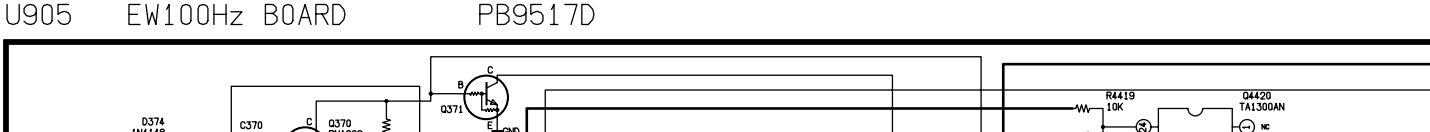
NOTE
The marking (OPEN) make Unit there are no component on the PCB though there are the marking of part No. or the PCB. The make open circuited.

38VH26P
POWER E/W


1
2
3
4
A
B
C
D
E
F
U903 POWER BOARD PB9515K
GND199
GND198
GND197
GND196
+15V
+15V
RB30
10K
DB30
1N4148
QB30
2SC1815Y
5
4.4
Q430
2SC3852
2SD1944H
E 9.8
C
10.4
B
R414
1/2FR56
24531560L
G430
ERB12-01E
C431
0.01
R491
100
C462
16V2200
R492
4.7K
G443
SHORT
D431
MTZJ5.1C
D432
MTZJ5.1C
GND
GJ85
SHORT
Q827
SE116N
OR
2SB54FA-1
GJ60
SHORT
DB44
MTZJ11C
Q841
SC1815Y
DB48
MTZ6.2B
R431
10K
Q432
2SC1815Y
Q470
2SA1320
R432
47K
R868
4.7K
R847
4.7K
R865
3.3K
Q842
2SC1815Y
C470
16V47
GND
R842
1/2R3.9K
M851
63
62
61
60
+12V POWER
STAND BY
+15V (RELAY)
GND
TO P841B
ON CONT-1 BOARD
FOR RELAY
P851A
4P2.5mm
L801
TPW2024BS
C885
500V470


HVcc
M812
M701
P812A
3P2.5mm
P701A
4P2.5mm
BB16B
8P 2.5P
GND-P
NC
+125V
+12V
GND
+30V
GATE
HVcc
EPG
POWER
TO P812B ON DEF BOARD WITH M812
TO P701B ON CRT-D BOARD
TO DEF BOARD
L885
TLN3289D
F470
1.25A L/250V
SL80
R470
2R0.56
R479
1/2FR68
R471
C472
M0.47
R474
1/2P39K
R472
100
D470
MTZJ5.1C
D842
MTZJ15A
R473
18K
Q473
2SA1015Y
R433
680
R434
4.7K
Q471
2SC1815Y
R477
1K
R843
330
R478
470
Q472
2SC1815Y
C473
1µ
D370
MTZJ3.6A
D371
1N4148
GJ27
OPEN
Q840
L78MR05
+5V-1
27.1
3.8
5.0
5.0
C841
10µ
C843
M0.1
C842
10µ
L894
TRF4100AT
GJ84
OPEN
R841
1/2R12
GJ58
OPEN
G824
TLN3312D
(RA)
(RB)
GJ06
SHORT
+12V DIGI
27VOCP
D371

U905 EW100Hz BOARD PB9517D



13 14 15 16

A

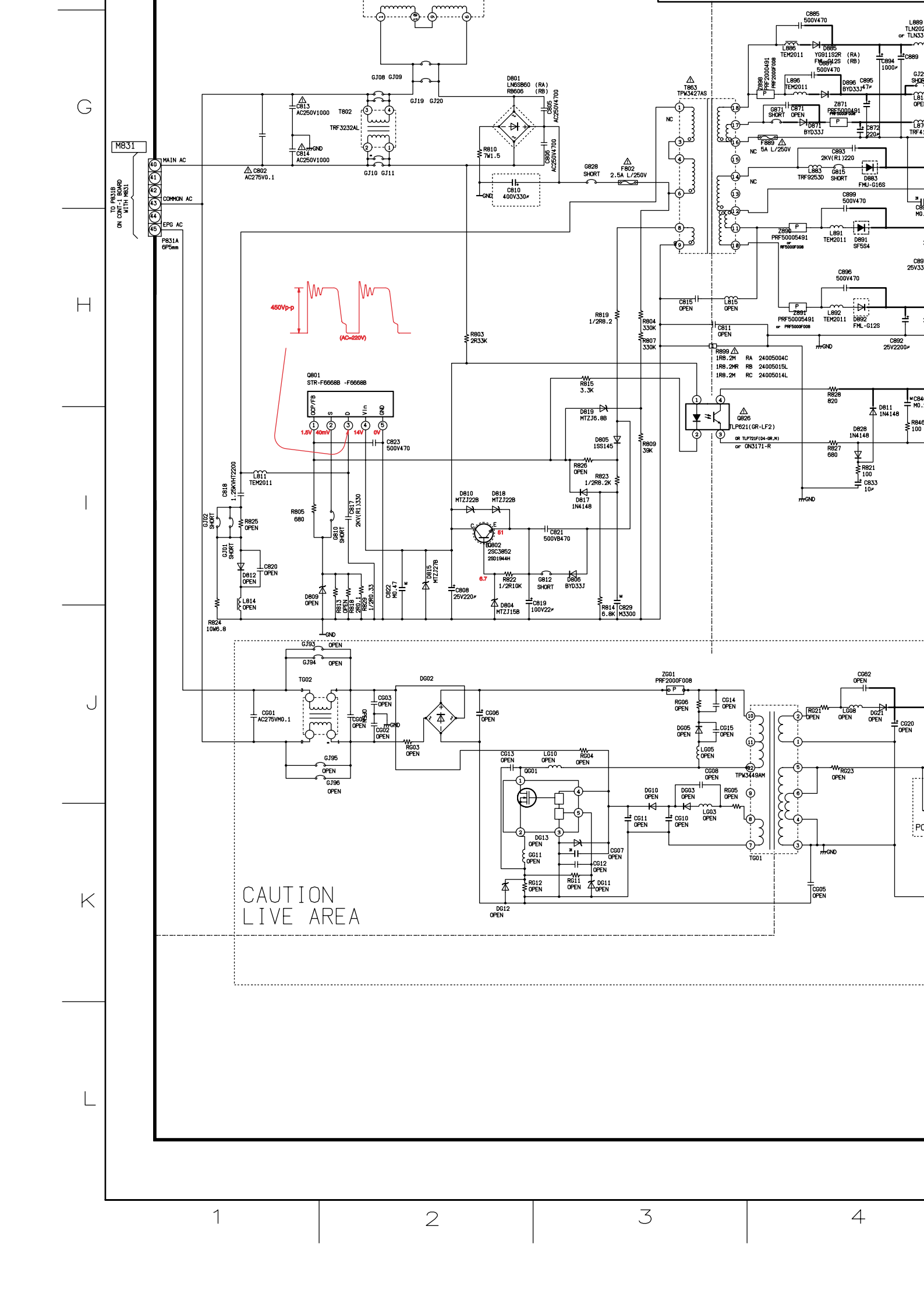
B

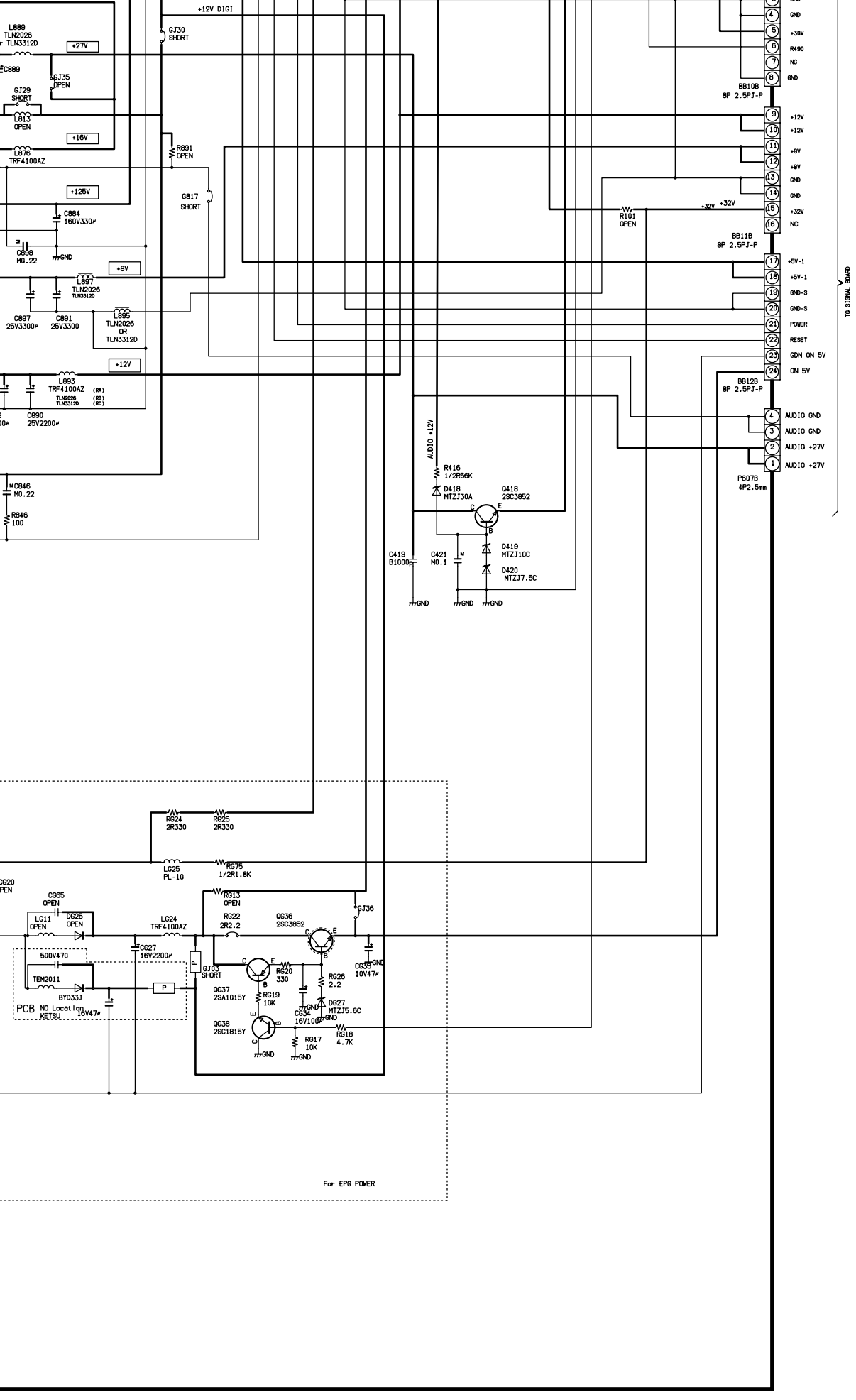
C

D

E

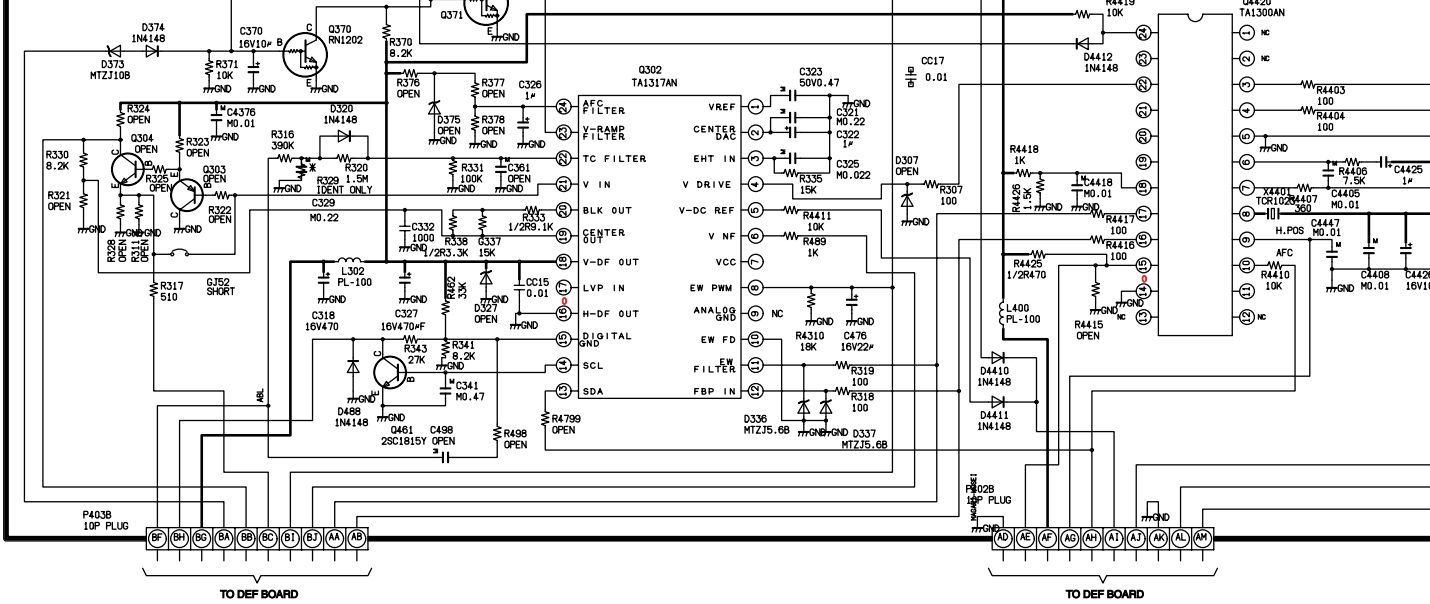
F


M831
MAIN AC
COMMON AC
EPG AC
P831A
6P5mm
TO P831B ON CONT-I BOARD WITH M831
C802 AC275V0.1
C813 AC250V1000
C814 AC250V1000
T802
TRF3232AL
GJ08 GJ09
GJ19 GJ20
GJ10 GJ11
D801 LN6SB60 (RA) RB606 (RB)
C805 AC250V4700
C806 AC250V4700
R810 7W1.5
C810 400V330μ
G828 SHORT
F802 2.5A L/250V
T863 TPW3427AS
NC
F889 5A L/250V
C893 2KV(R1)220
L883 TRF9253D
G815 SHORT
D883 FMU-G16S
C885 500V470
L886 TEM2011
D886 YG911S2R (RA) FML-G12S (RB)
C894 1000μ
C889
Z888 PRF2000A91 PRF2000F008
L896 TEM2011
C895 500V470
D896 BYD33J
Z871 PRF5000A91
G871 SHORT
C871 OPEN
D871 BYD33J
C872 220μ
C899 500V470
Z890 PRF50005491
L891 TEM2011
D891 SF5S4
C896 500V470
Z891 PRF50005491
L892 TEM2011
D892 FML-G12S
C892 25V2200μ
C815 OPEN
L815 OPEN
C811 OPEN
R819 1/2R8.2
R804 330K
R807 330K
R803 2R33K
R899 1R8.2M RA 24005004C
1R8.2MR RB 24005015L
1R8.2M RC 24005014L
450Vp-p
(AC=220V)
Q801
STR-F6668B -F6668B
OCP/FB
S
D
Vin
GND
1.5V 40mV
14V
0V
C823 500V470
R815 3.3K
D819 MTZJ6.8B
D805 1SS145
R809 39K
R826 OPEN
R823 1/2R8.2K
D817 1N4148
Q826 TLP621(GR-LF2)
OR TLP721F(D4-GR,M)
OR ON3171-R
R828 820
D811 1N4148
D828 1N4148
R827 680
R821 100
C833 10μ
L811 TEM2011
C818 1.25KVHT2200
GJ02 SHORT
R825 OPEN
GJ01 SHORT
C820 OPEN
D812 OPEN
L814 OPEN
R824 10W6.8
R805 680
C817 2KV(R1)330
G810 SHORT
D810 MTZJ22B
D818 MTZJ22B
Q802 2SC3852 2SD1944H
C821 500VB470
R822 1/2R10K
G812 SHORT
D806 BYD33J
C808 25V220μ
D804 MTZJ15B
C819 100V22μ
R814 6.8K
C829 M3300
D809 OPEN
R813 OPEN
R818 OPEN
R823 1/2R0.33
C822 M0.47
D815 MTZJ27B
GJ93 OPEN
GJ94 OPEN
TG02
CG01 AC275VM0.1
CG03 OPEN
CG04 OPEN
CG02 OPEN
DG02
RG03 OPEN
CG06 OPEN
GJ95 OPEN
GJ96 OPEN
ZG01 PRF2000F008
RG06 OPEN
CG14 OPEN
DG05 OPEN
CG15 OPEN
LG05 OPEN
CG62 OPEN
RG21 OPEN
LG08 OPEN
DG21 OPEN
CG20 OPEN
TPW3449AM
RG23 OPEN
QG01
CG13 OPEN
LG10 OPEN
RG04 OPEN
CG08 OPEN
DG10 OPEN
DG03 OPEN
RG05 OPEN
LG03 OPEN
CG11 OPEN
CG10 OPEN
DG13 OPEN
GG11 OPEN
CG07 OPEN
CG12 OPEN
RG12 OPEN
RG11 OPEN
DG11 OPEN
DG12 OPEN
TG01
CG05 OPEN
CAUTION
LIVE AREA

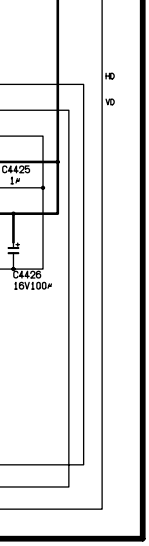


NOTE

The marking [OPEN] mean
there are the marking



EN] means that there are on component on the PCB though
arking of part No. on the PCB. Ite means open circuited.



G

H

I

J

K

L

38VH26P
POWER E/W

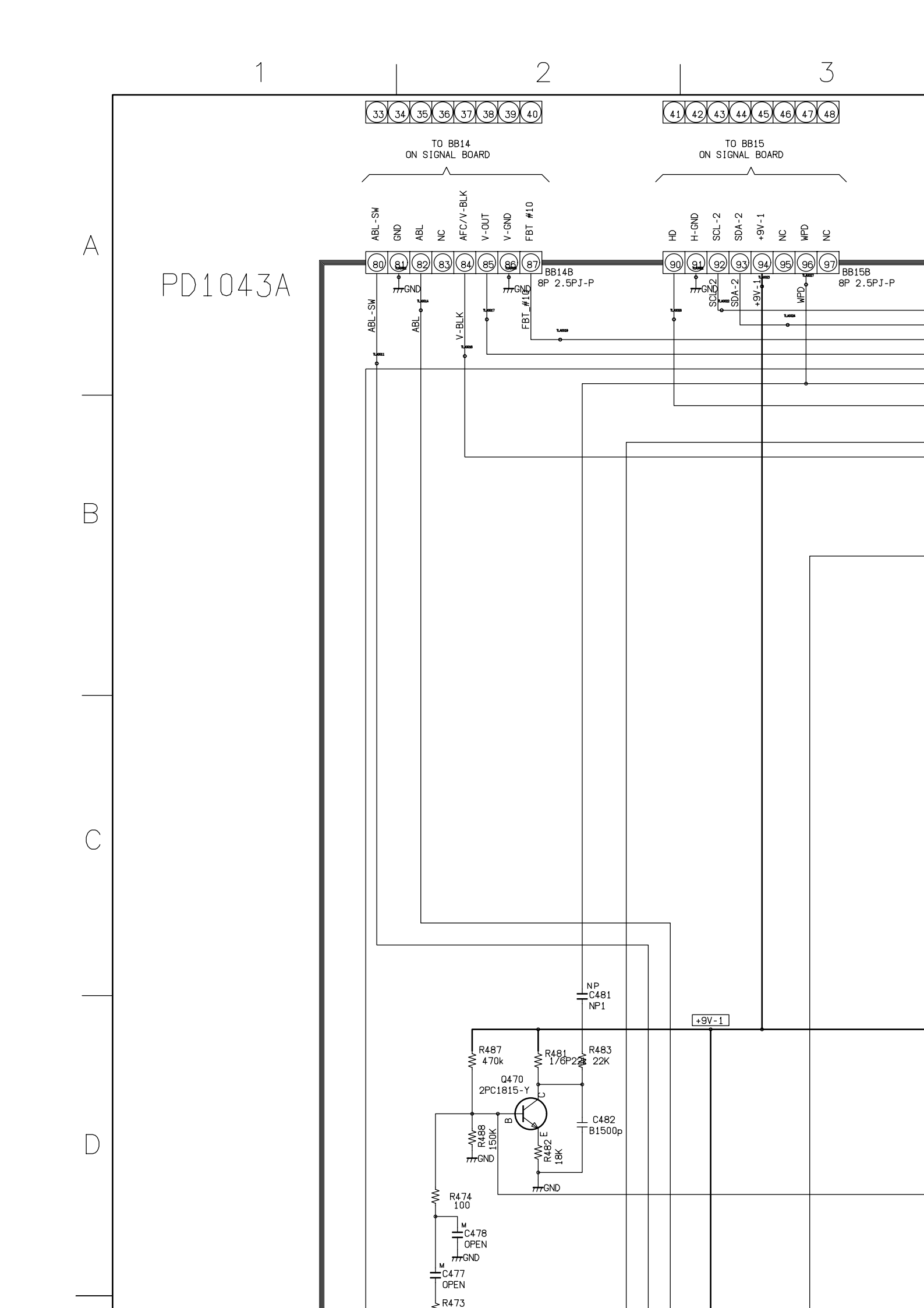
13 | 14 | 15 | 16

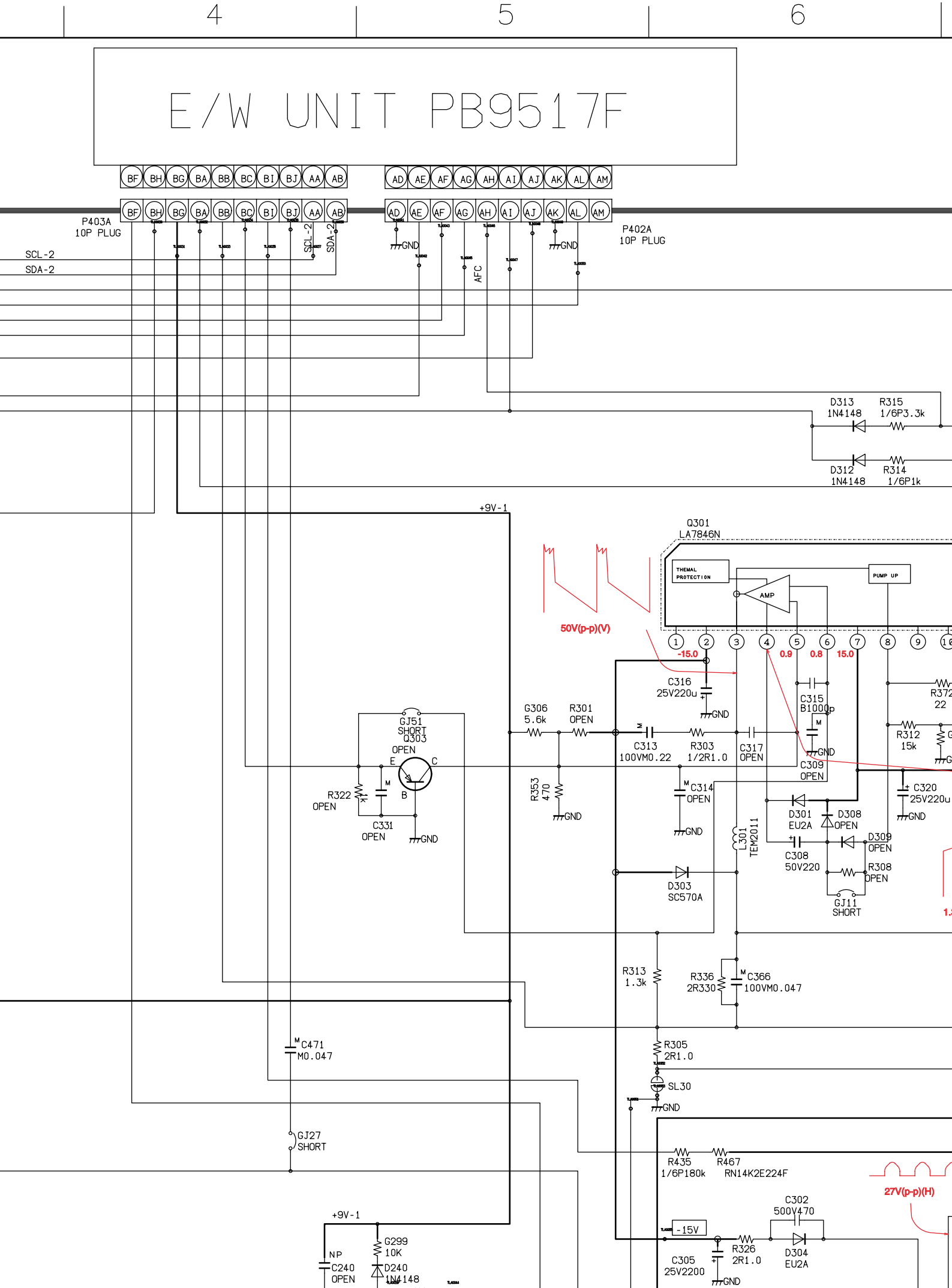
E/W UNIT PB9517F

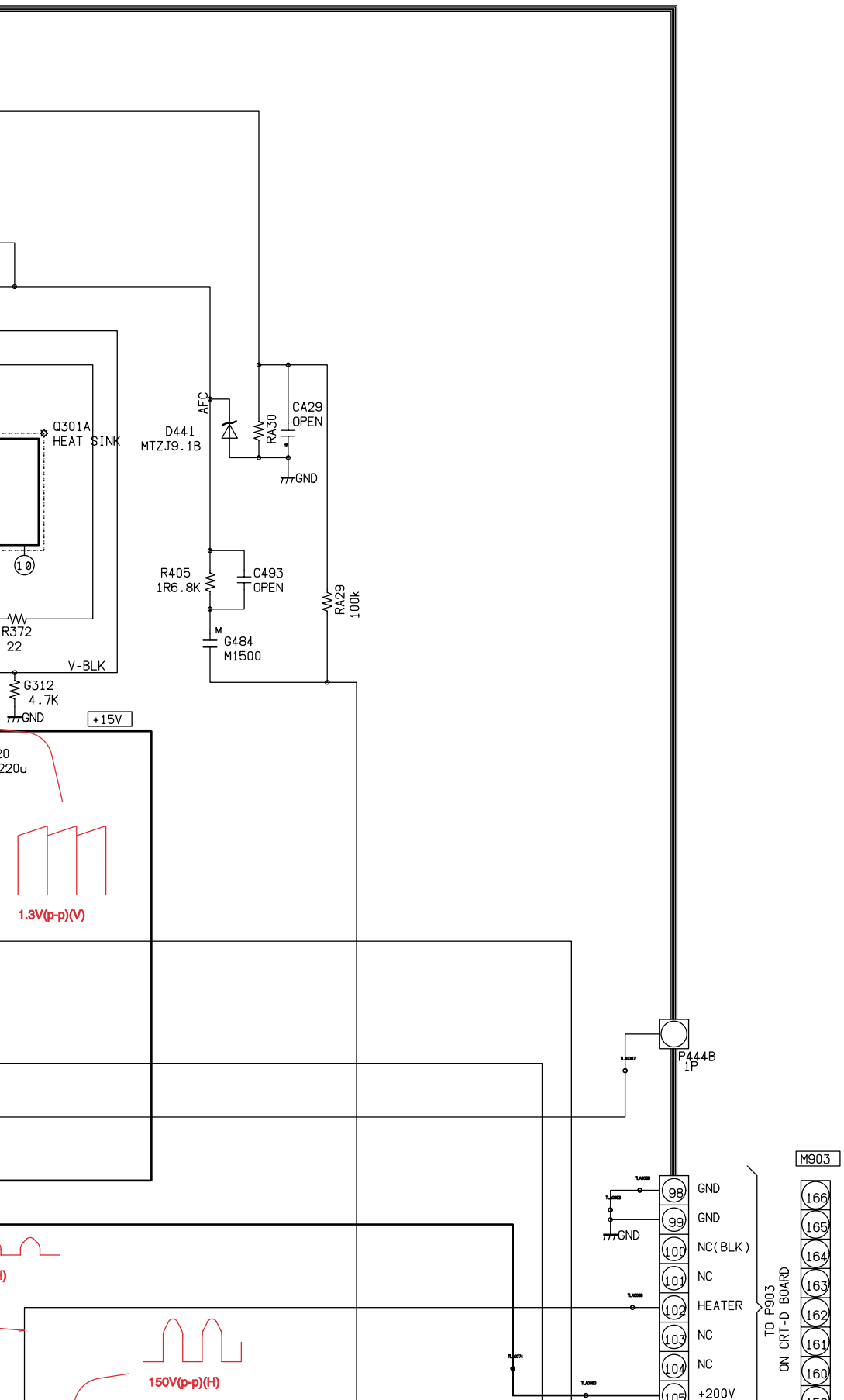
PD1043A

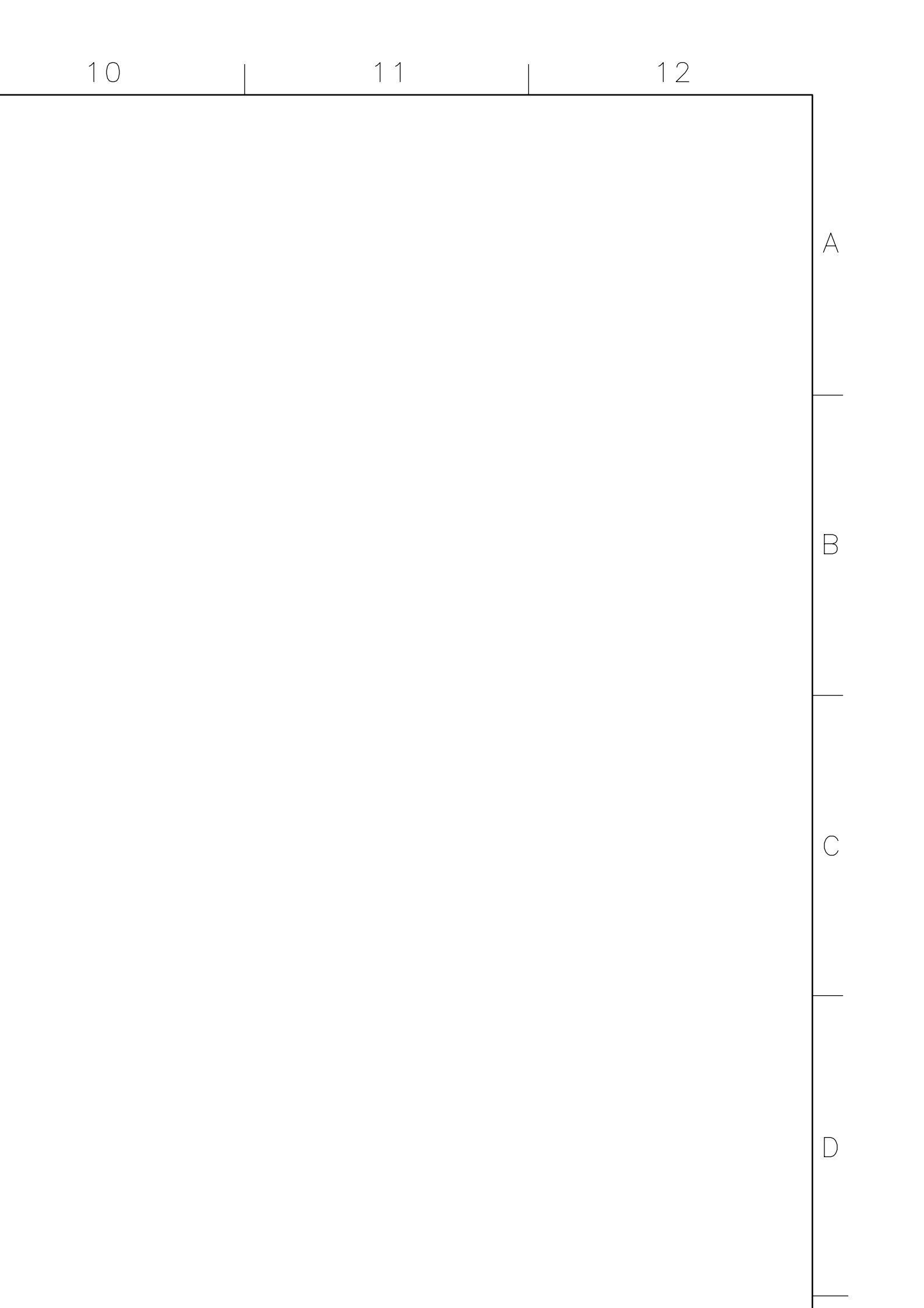
TO V901 CPT ANODE

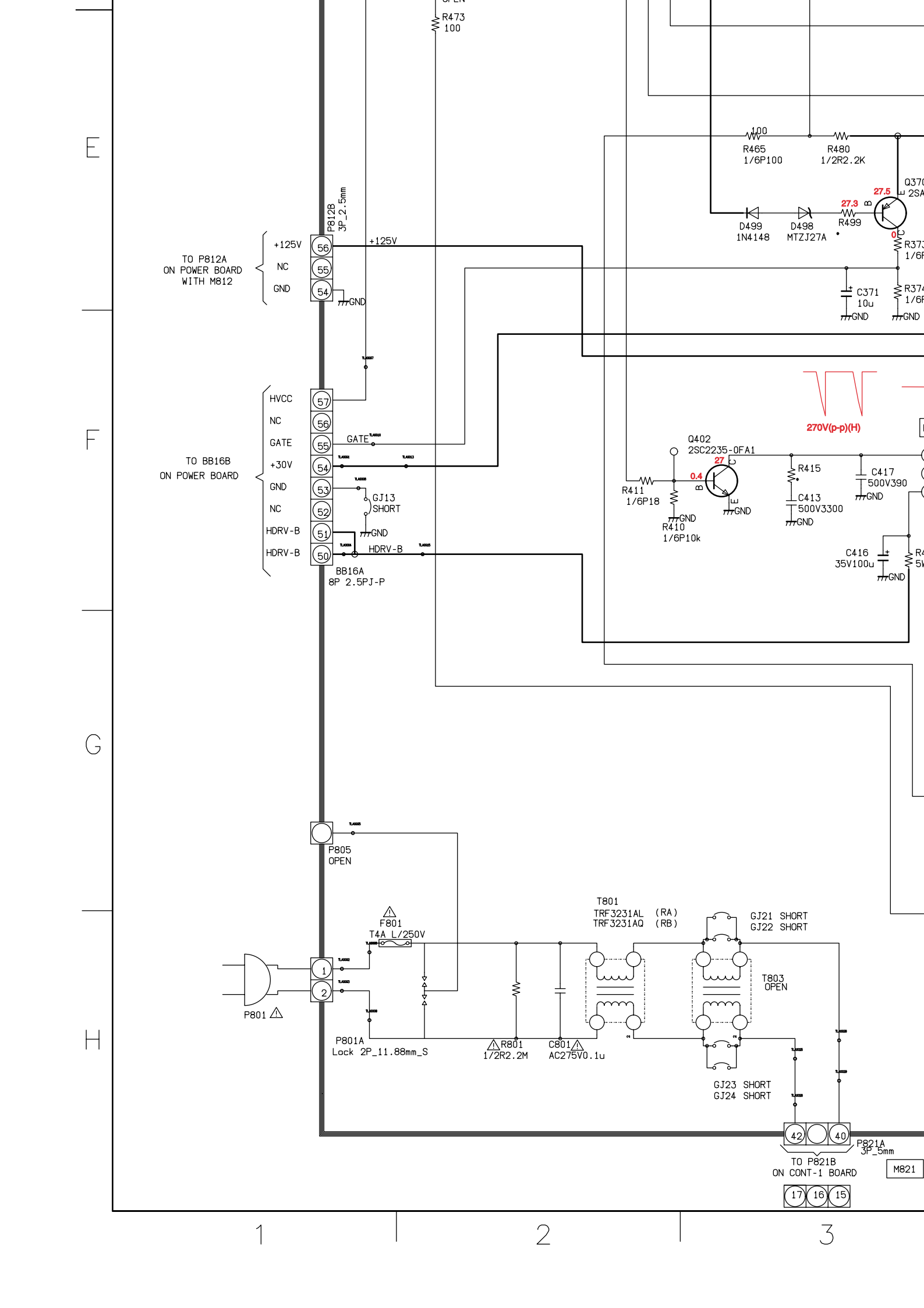
38VH26P
DEF

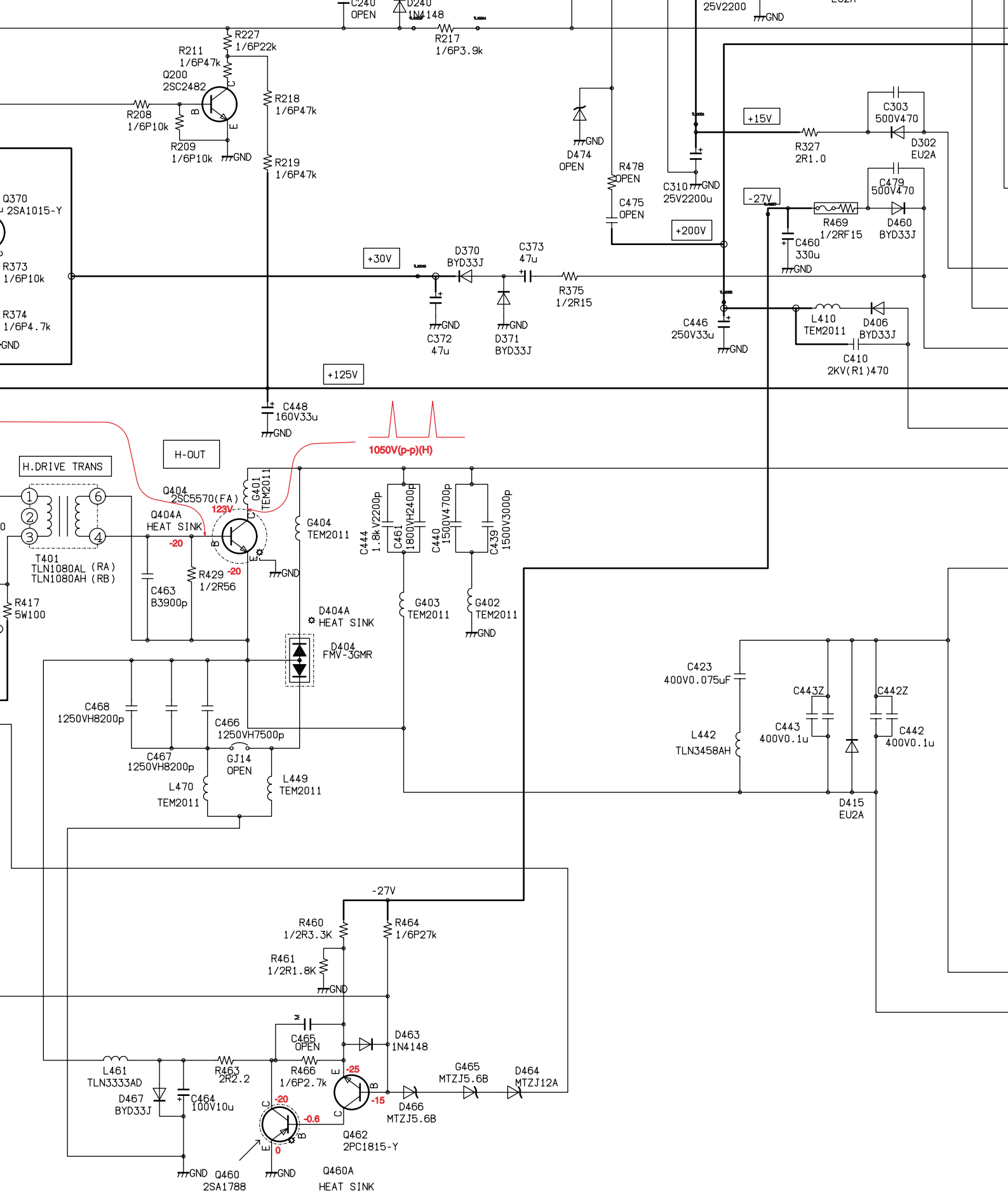

1
2
3
A
B
C
D
PD1043A
33 34 35 36 37 38 39 40
TO BB14
ON SIGNAL BOARD
41 42 43 44 45 46 47 48
TO BB15
ON SIGNAL BOARD
ABL-SW
GND
ABL
NC
AFC/V-BLK
V-OUT
V-GND
FBT #10
80 81 82 83 84 85 86 87
BB14B
8P 2.5PJ-P
HD
H-GND
SCL-2
SDA-2
+9V-1
NC
WPD
NC
90 91 92 93 94 95 96 97
BB15B
8P 2.5PJ-P
GND
GND
ABL-SW
ABL
V-BLK
FBT #10
SCL-2
SDA-2
+9V-1
WPD
NP
C481
NP1
+9V-1
R487
470k
R481
1/6P22
R483
22K
Q470
2PC1815-Y
C
B
E
C482
B1500p
R488
150K
R482
18K
GND
GND
R474
100
M
C478
OPEN
GND
M
C477
OPEN
R473

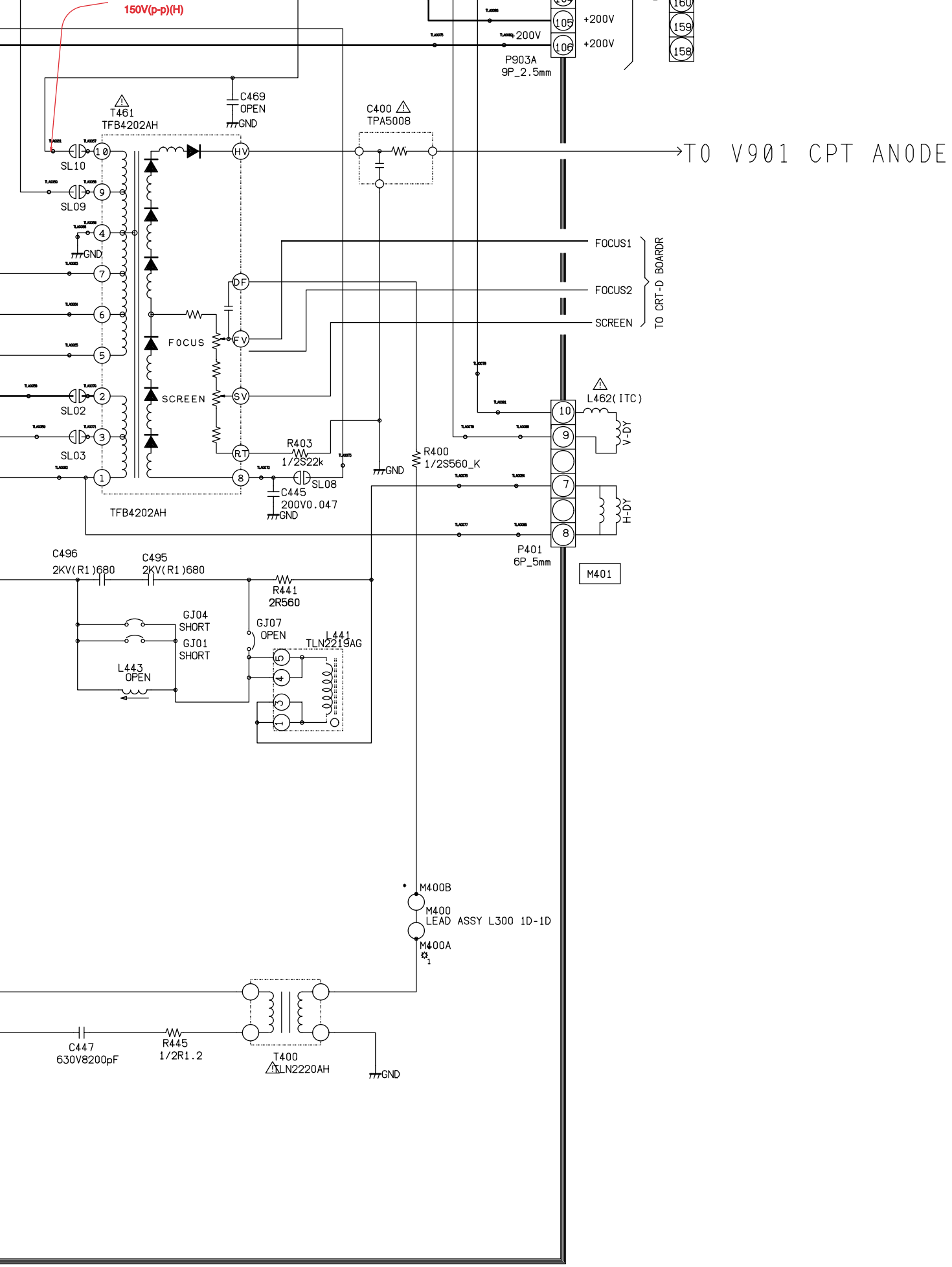

4
5
6
E/W UNIT PB9517F
BF BH BG BA BB BC BI BJ AA AB
AD AE AF AG AH AI AJ AK AL AM
P403A
10P PLUG
P402A
10P PLUG
SCL-2
SDA-2
AFC
GND
D313
1N4148
R315
1/6P3.3k
D312
1N4148
R314
1/6P1k
+9V-1
Q301
LA7846N
THEMAL
PROTECTION
AMP
PUMP UP
50V(p-p)(V)
-15.0
0.9
0.8
15.0
C316
25V220u
C315
B1000p
G306
5.6k
R301
OPEN
C313
100VM0.22
R303
1/2R1.0
C317
OPEN
C309
OPEN
R312
15k
R353
470
C314
OPEN
C320
25V220u
D301
EU2A
D308
OPEN
D309
OPEN
C308
50V220
R308
OPEN
L301
TEM2011
D303
SC570A
GJ11
SHORT
GJ51
SHORT
Q303
OPEN
E
C
B
R322
1k
OPEN
C331
OPEN
R313
1.3k
R336
2R330
C366
100VM0.047
C471
M0.047
R305
2R1.0
SL30
GJ27
SHORT
R435
1/6P180k
R467
RN14K2E224F
27V(p-p)(H)
C302
500V470
-15V
R326
2R1.0
D304
EU2A
C305
25V2200
+9V-1
G299
10K
NP
C240
OPEN
D240
1N4148


Q301A
HEAT SINK
D441
MTZJ9.1B
AFC
RA30
CA29
OPEN
GND
R405
1R6.8K
C493
OPEN
RA29
100k
G484
M1500
R372
22
V-BLK
G312
4.7K
GND
+15V
1.3V(p-p)(V)
150V(p-p)(H)
P444B
1P
M903
98 GND
99 GND
100 NC(BLK)
101 NC
102 HEATER
103 NC
104 NC
105 +200V
166
165
164
163
162
161
160
TO P903
ON CRT-D BOARD


10
11
12
A
B
C
D


R473
100
R465
1/6P100
100
R480
1/2R2.2K
D499
1N4148
D498
MTZJ27A
R499
27.3
27.5
Q370
2SA
C371
10u
GND
P812B
3P_2.5mm
TO P812A
ON POWER BOARD
WITH M812
+125V
NC
GND
56
55
54
+125V
GND
HVCC
NC
GATE
+30V
GND
NC
HDRV-B
HDRV-B
57
56
55
54
53
52
51
50
TO BB16B
ON POWER BOARD
GJ13
SHORT
HDRV-B
BB16A
8P 2.5PJ-P
270V(p-p)(H)
Q402
2SC2235-0FA1
27
0.4
R411
1/6P18
R410
1/6P10k
R415
C413
500V3300
C417
500V390
C416
35V100u
P805
OPEN
F801
T4A L/250V
P801
1
2
P801A
Lock 2P_11.88mm_S
R801
1/2R2.2M
C801
AC275V0.1u
T801
TRF3231AL (RA)
TRF3231AQ (RB)
GJ21 SHORT
GJ22 SHORT
T803
OPEN
GJ23 SHORT
GJ24 SHORT
42
40
P821A
3P_5mm
TO P821B
ON CONT-1 BOARD
M821
17
16
15
E
F
G
H
1
2
3


C240
OPEN
D240
1N4148
R217
1/6P3.9k
R227
1/6P22k
R211
1/6P47k
Q200
2SC2482
R208
1/6P10k
R209
1/6P10k
GND
R218
1/6P47k
R219
1/6P47k
25V2200
GND
D474
OPEN
R478
OPEN
C475
OPEN
C310
25V2200u
+15V
R327
2R1.0
C303
500V470
D302
EU2A
-27V
C479
500V470
R469
1/2RF15
D460
BYD33J
C460
330u
+200V
Q370
2SA1015-Y
R373
1/6P10k
R374
1/6P4.7k
+30V
D370
BYD33J
C373
47u
R375
1/2R15
C372
47u
D371
BYD33J
C446
250V33u
L410
TEM2011
D406
BYD33J
C410
2KV(R1)470
+125V
C448
160V33u
1050V(p-p)(H)
H.DRIVE TRANS
H-OUT
T401
TLN1080AL (RA)
TLN1080AH (RB)
Q404
2SC5570(FA)
123V
G401
TEM2011
Q404A
HEAT SINK
-20
R429
1/2R56
C463
B3900p
R417
5W100
G404
TEM2011
C444
1.8kV2200p
C461
1800VH2400p
C440
1500V4700p
C439
1500V3000p
G403
TEM2011
G402
TEM2011
D404A
HEAT SINK
D404
FMV-3GMR
C468
1250VH8200p
C466
1250VH7500p
C467
1250VH8200p
GJ14
OPEN
L470
TEM2011
L449
TEM2011
C423
400V0.075uF
L442
TLN3458AH
C443Z
C443
400V0.1u
C442Z
C442
400V0.1u
D415
EU2A
-27V
R460
1/2R3.3K
R464
1/6P27k
R461
1/2R1.8K
C465
OPEN
D463
1N4148
L461
TLN3333AD
R463
2R2.2
R466
1/6P2.7k
-25
-15
G465
MTZJ5.6B
D464
MTZJ12A
D467
BYD33J
C464
100V10u
-20
-0.6
D466
MTZJ5.6B
Q462
2PC1815-Y
0
Q460
2SA1788
Q460A
HEAT SINK


150V(p-p)(H)
+200V
+200V
200V
P903A
9P_2.5mm
C469
OPEN
GND
T461
TFB4202AH
C400
TPA5008
TO V901 CPT ANODE
SL10
SL09
GND
FOCUS
SCREEN
SL02
SL03
TFB4202AH
R403
1/2S22k
SL08
C445
200V0.047
GND
R400
1/2S560_K
FOCUS1
FOCUS2
SCREEN
TO CRT-D BOARDR
L462(ITC)
V-DY
H-DY
P401
6P_5mm
M401
C496
2KV(R1)680
C495
2KV(R1)680
R441
2R560
GJ04
SHORT
GJ01
SHORT
GJ07
OPEN
L441
TLN2219AG
L443
OPEN
M400B
M400
LEAD ASSY L300 1D-1D
M400A
C447
630V8200pF
R445
1/2R1.2
T400
TLN2220AH
GND

E

F

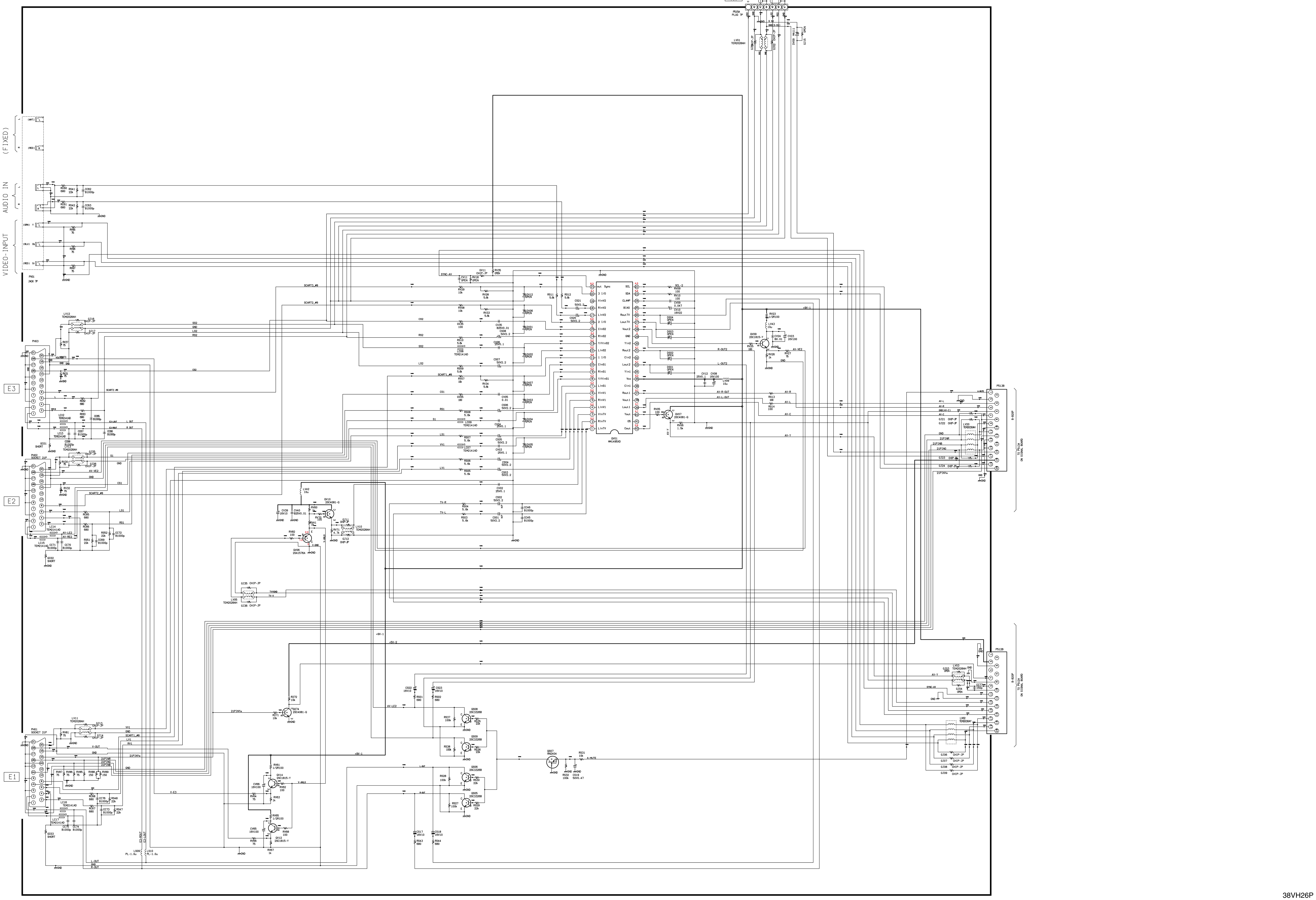
G

H

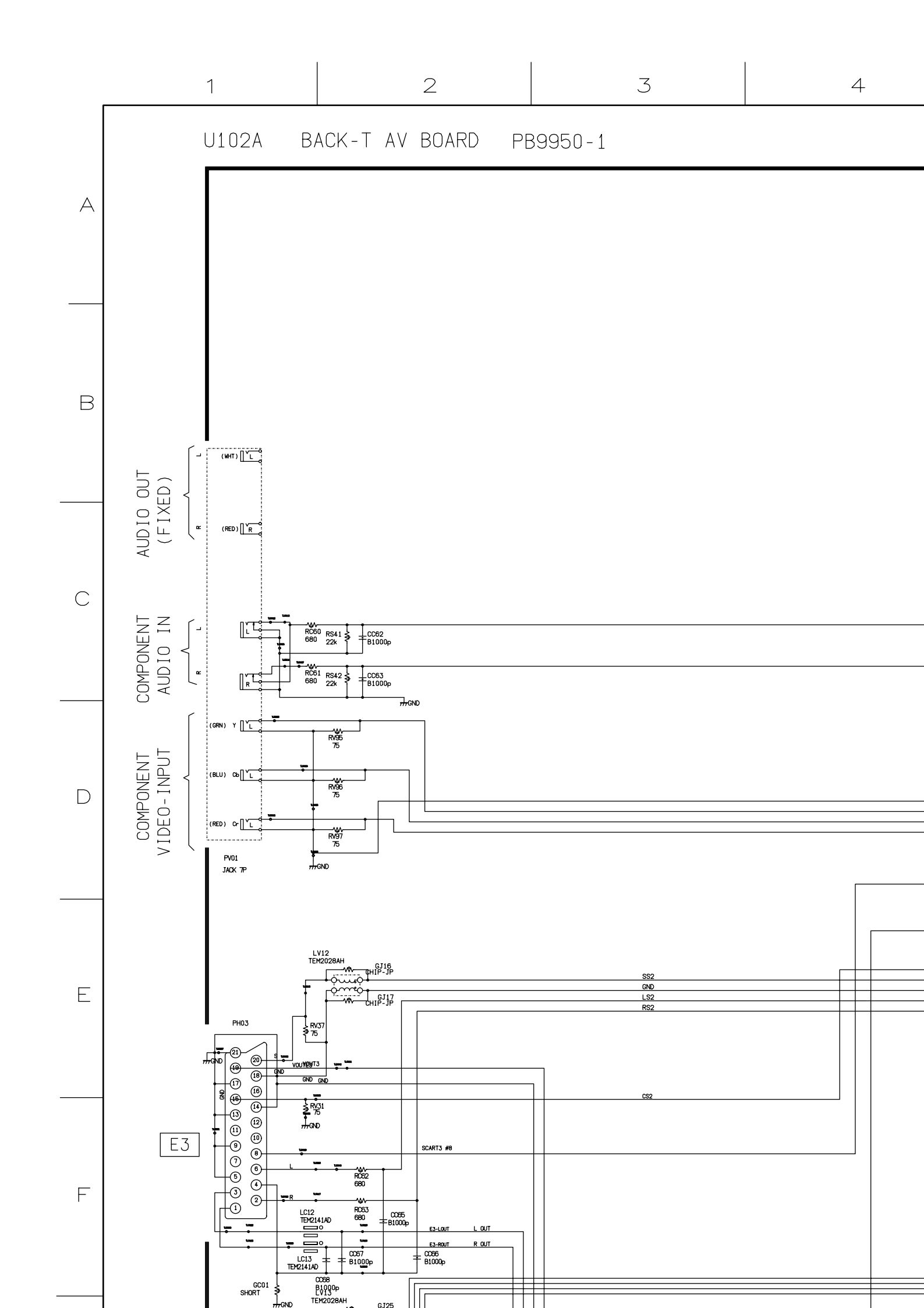
38VH26P
DEF

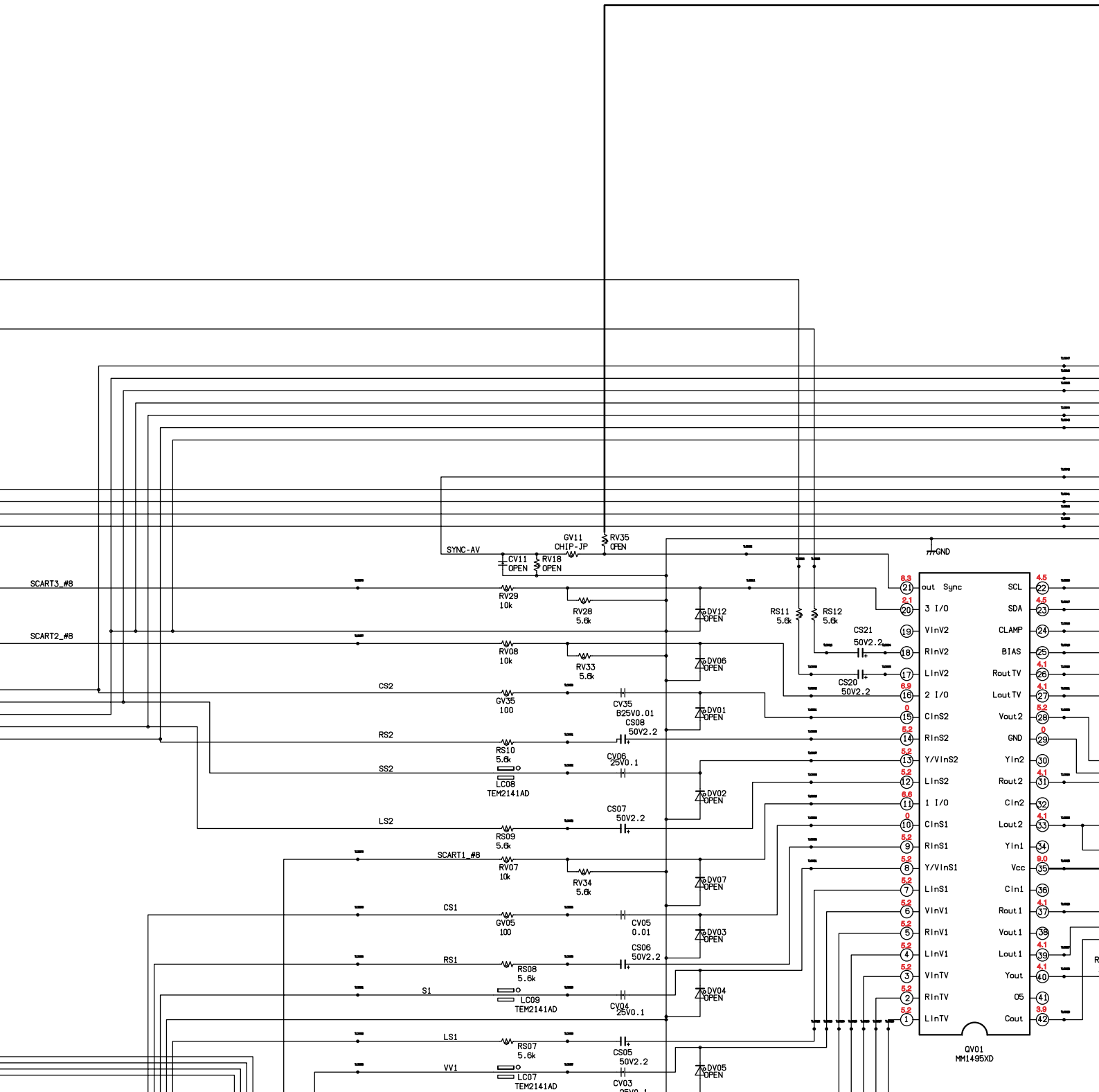
10 11 12

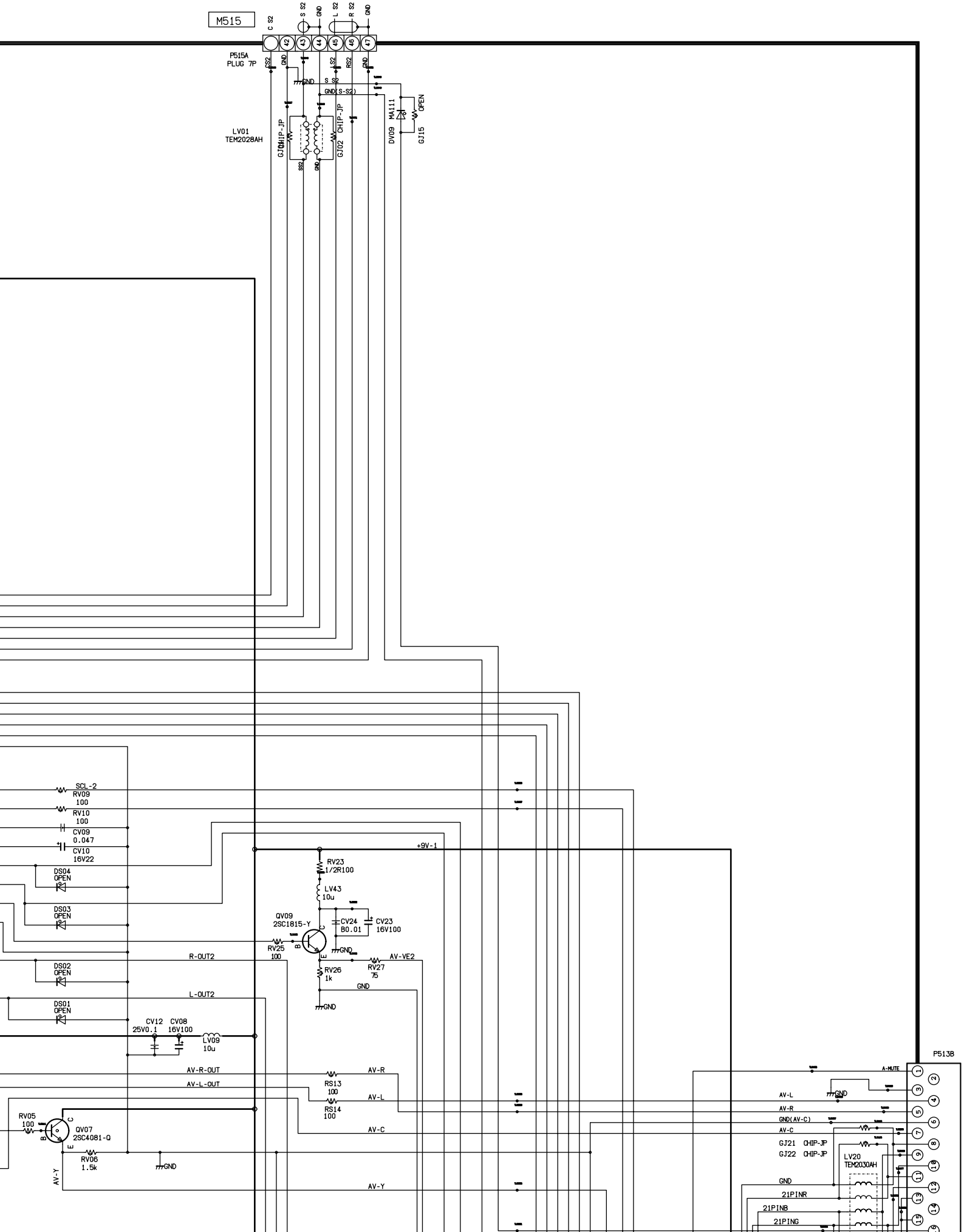
U102A BACK-T AV BOARD PB9950-1



38VH26P
BACK-T


1
2
3
4
A
B
C
D
E
F
U102A BACK-T AV BOARD PB9950-1
AUDIO OUT (FIXED)
COMPONENT AUDIO IN
COMPONENT VIDEO-INPUT
(WHT) L
(RED) R
(GRN) Y
(BLU) Cb
(RED) Cr
RC60 680
RS41 22k
CC62 B1000p
RC61 680
RS42 22k
CC63 B1000p
RV95 75
RV96 75
RV97 75
GND
PV01
JACK 7P
LV12 TEM2028AH
GJ16 CHIP-JP
GJ17 CHIP-JP
RV37 75
PH03
RV31 75
E3
SCART3 #8
RC62 680
RC63 680
CC65 B1000p
CC66 B1000p
CC67 B1000p
LC12 TEM2141AD
LC13 TEM2141AD
E3-LOUT
E3-ROUT
L OUT
R OUT
GC01 SHORT
CC68 B1000p
LV13 TEM2028AH
GJ25
SS2
GND
LS2
RS2
CS2


SYNC-AV
GV11 CHIP-JP
RV35 OPEN
CV11 OPEN
RV18 OPEN
GND
SCART3_#8
SCART2_#8
CS2
RS2
SS2
LS2
SCART1_#8
CS1
RS1
S1
LS1
VV1
RV29 10k
RV28 5.6k
RV08 10k
RV33 5.6k
GV35 100
CV35 B25V0.01
CS08 50V2.2
RS10 5.6k
LC08 TEM2141AD
CV06 25V0.1
CS07 50V2.2
RS09 5.6k
RV07 10k
RV34 5.6k
GV05 100
CV05 0.01
CS06 50V2.2
RS08 5.6k
LC09 TEM2141AD
CV04 25V0.1
CS05 50V2.2
RS07 5.6k
LC07 TEM2141AD
CV03
DV12 OPEN
DV06 OPEN
DV01 OPEN
DV02 OPEN
DV07 OPEN
DV03 OPEN
DV04 OPEN
DV05 OPEN
RS11 5.6k
RS12 5.6k
CS21 50V2.2
CS20 50V2.2
out Sync
3 I/O
VInV2
RInV2
LInV2
2 I/O
CInS2
RInS2
Y/VInS2
LInS2
1 I/O
CInS1
RInS1
Y/VInS1
LInS1
VInV1
RInV1
LInV1
VInTV
RInTV
LInTV
SCL
SDA
CLAMP
BIAS
RoutTV
LoutTV
Vout2
GND
Yin2
Rout2
Cin2
Lout2
Yin1
Vcc
Cin1
Rout1
Vout1
Lout1
Yout
05
Cout
QV01
MM1495XD


M515
C S2
S S2
GND
L S2
R S2
GND
42
43
44
45
46
47
P515A
PLUG 7P
LV01
TEM2028AH
GJ04 CHIP-JP
GJ02 CHIP-JP
DV09 MA111
GJ15 OPEN
GND(S-S2)
SCL-2
RV09 100
RV10 100
CV09 0.047
CV10 16V22
DS04 OPEN
DS03 OPEN
DS02 OPEN
DS01 OPEN
R-OUT2
L-OUT2
CV12 25V0.1
CV08 16V100
LV09 10u
+9V-1
RV23 1/2R100
LV43 10u
QV09 2SC1815-Y
CV24 B0.01
CV23 16V100
RV25 100
RV26 1k
RV27 75
AV-VE2
GND
AV-R-OUT
AV-L-OUT
AV-R
AV-L
AV-C
AV-Y
RS13 100
RS14 100
RV05 100
QV07 2SC4081-Q
RV06 1.5k
P513B
A-MUTE
AV-L
AV-R
GND(AV-C)
AV-C
GJ21 CHIP-JP
GJ22 CHIP-JP
LV20
TEM2030AH
21PINR
21PINB
21PING

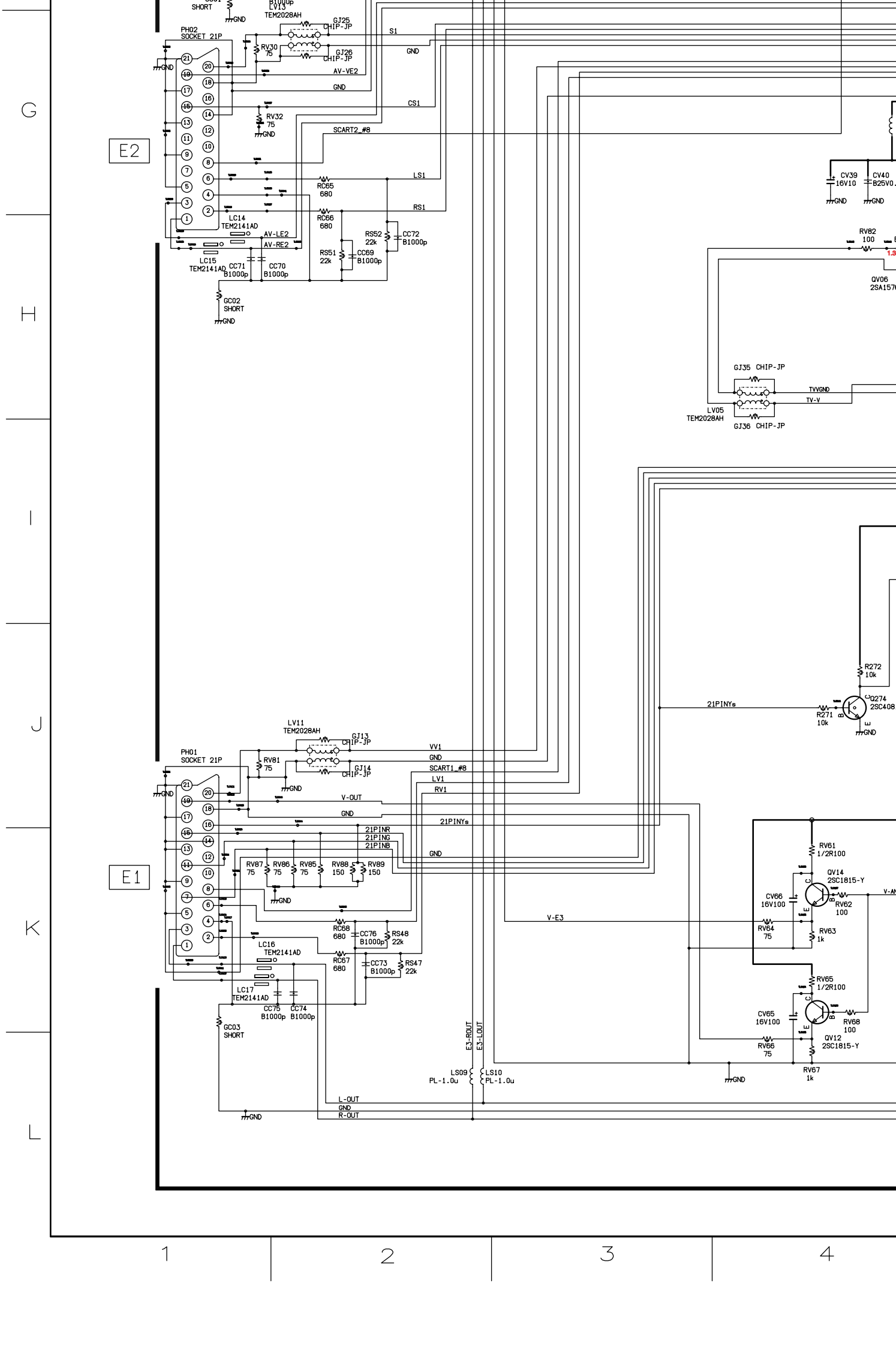
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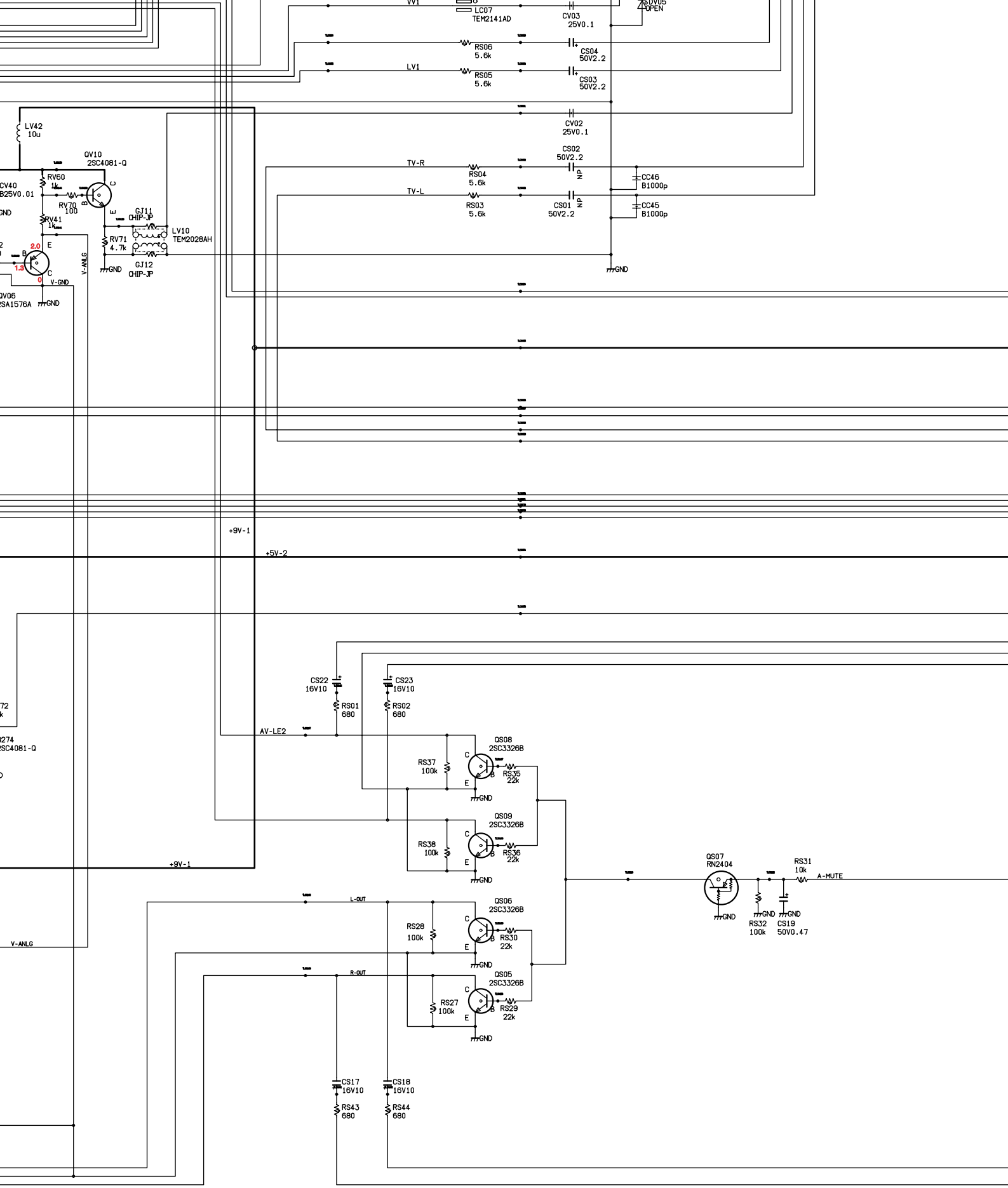
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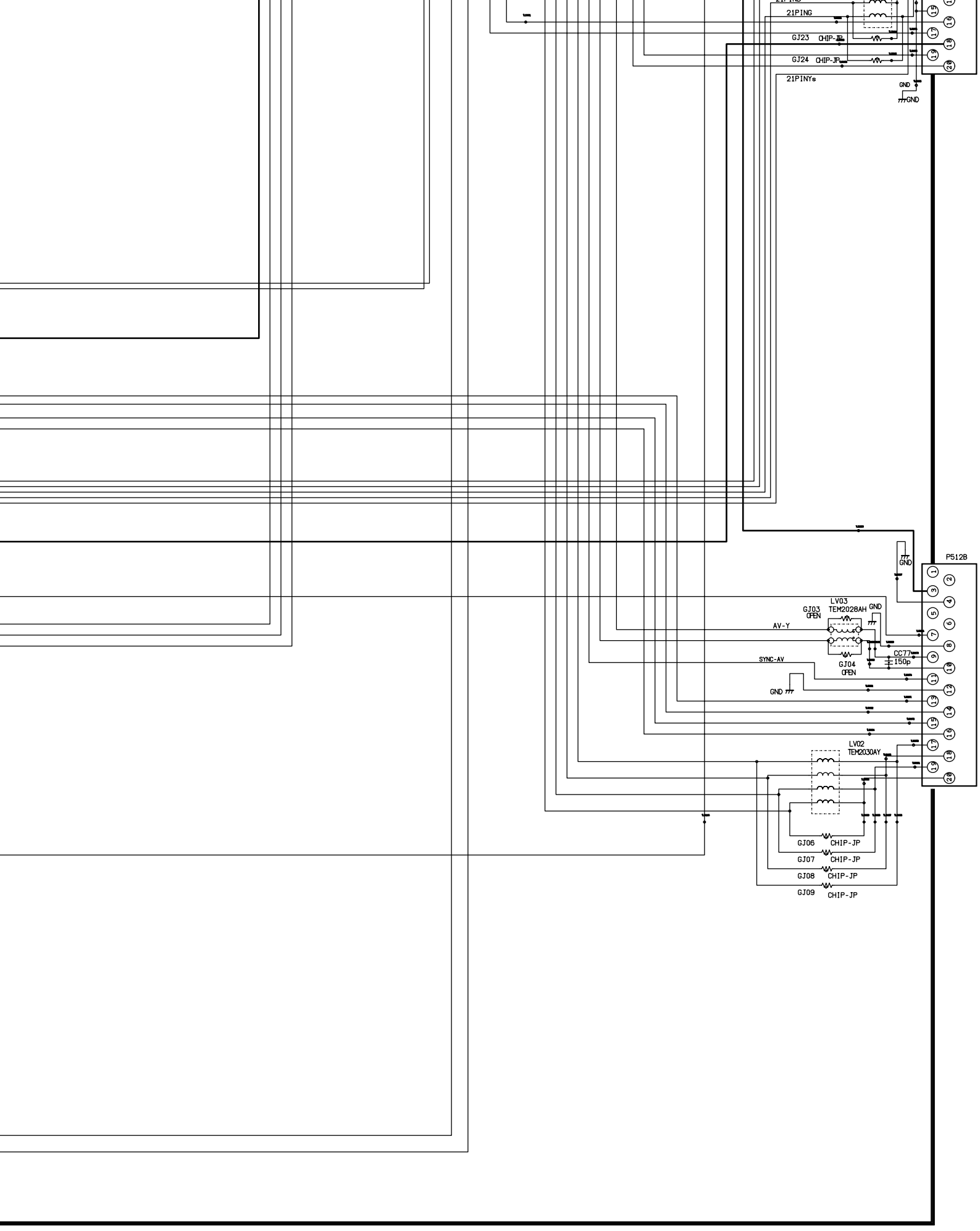
513B

B-B20P

P513A
NAL BOARD


E2
E1
PH02
SOCKET 21P
PH01
SOCKET 21P
LV13
TEM2028AH
LV11
TEM2028AH
LV05
TEM2028AH
GJ25
CHIP-JP
GJ26
CHIP-JP
GJ13
CHIP-JP
GJ14
CHIP-JP
GJ35 CHIP-JP
GJ36 CHIP-JP
RV30
75
RV32
75
RV81
75
RV82
100
S1
GND
AV-VE2
CS1
SCART2_#8
LS1
RS1
AV-LE2
AV-RE2
RC65
680
RC66
680
RS52
22k
RS51
22k
CC72
B1000p
CC69
B1000p
LC14
TEM2141AD
LC15
TEM2141AD
CC71
B1000p
CC70
B1000p
GC02
SHORT
CV39
16V10
CV40
B25V0.
TVGND
TV-V
QV06
2SA157
VV1
SCART1_#8
LV1
RV1
V-OUT
21PINR
21PING
21PINB
21PINYs
RV87
75
RV86
75
RV85
75
RV88
150
RV89
150
RC68
680
RC67
680
CC76
B1000p
CC73
B1000p
RS48
22k
RS47
22k
LC16
TEM2141AD
LC17
TEM2141AD
CC75
B1000p
CC74
B1000p
GC03
SHORT
R272
10k
R271
10k
Q274
2SC408
RV61
1/2R100
QV14
2SC1815-Y
CV66
16V100
RV62
100
RV64
75
RV63
1k
V-E3
RV65
1/2R100
CV65
16V100
RV68
100
QV12
2SC1815-Y
RV66
75
RV67
1k
E3-ROUT
E3-LOUT
LS09
PL-1.0u
LS10
PL-1.0u
L-OUT
R-OUT


LC07
TEM2141AD
CV03
25V0.1
DV05
OPEN
RS06
5.6k
CS04
50V2.2
LV1
RS05
5.6k
CS03
50V2.2
CV02
25V0.1
LV42
10u
QV10
2SC4081-Q
RV60
1k
RV70
100
RV41
1k
GJ11
CHIP-JP
LV10
TEM2028AH
RV71
4.7k
GJ12
CHIP-JP
V-ANLG
GND
V-GND
CV40
B25V0.01
QV06
2SA1576A
CS02
50V2.2
NP
TV-R
RS04
5.6k
TV-L
RS03
5.6k
CS01
50V2.2
NP
CC46
B1000p
CC45
B1000p
+9V-1
+5V-2
CS22
16V10
CS23
16V10
RS01
680
RS02
680
AV-LE2
QS08
2SC3326B
RS37
100k
RS35
22k
QS09
2SC3326B
RS38
100k
RS36
22k
QS07
RN2404
RS31
10k
A-MUTE
RS32
100k
CS19
50V0.47
L-OUT
QS06
2SC3326B
RS28
100k
RS30
22k
R-OUT
QS05
2SC3326B
RS27
100k
RS29
22k
CS17
16V10
CS18
16V10
RS43
680
RS44
680


21PING
GJ23 CHIP-JP
GJ24 CHIP-JP
21PINYs
GND
GND
P512B
GND
LV03
TEM2028AH
GJ03
OPEN
GND
AV-Y
CC77
150p
SYNC-AV
GJ04
OPEN
GND
LV02
TEM2030AY
GJ06 CHIP-JP
GJ07 CHIP-JP
GJ08 CHIP-JP
GJ09 CHIP-JP

TO P513A
ON SIGNAL BOARD

12B

B-B20P

TO P512A
ON SIGNAL BOARD

G

H

I

J

K

L

38VH26P
BACK-T

13 | 14 | 15 | 16

U103 D-COMB&MCD BOARD PB9510A

DIGITAL-COMB-FILTER

Q501
TB1239BF

MULTI COLOUR
DECORDER

TO SIGNAL

TO SIGNAL

UNIT SN.	
MCD	SN. 23784878
	SN.
	SN.
	SN.

COPPER SIDE PARTS	
	SN.
	SN.
	SN.
	SN.
	SN.

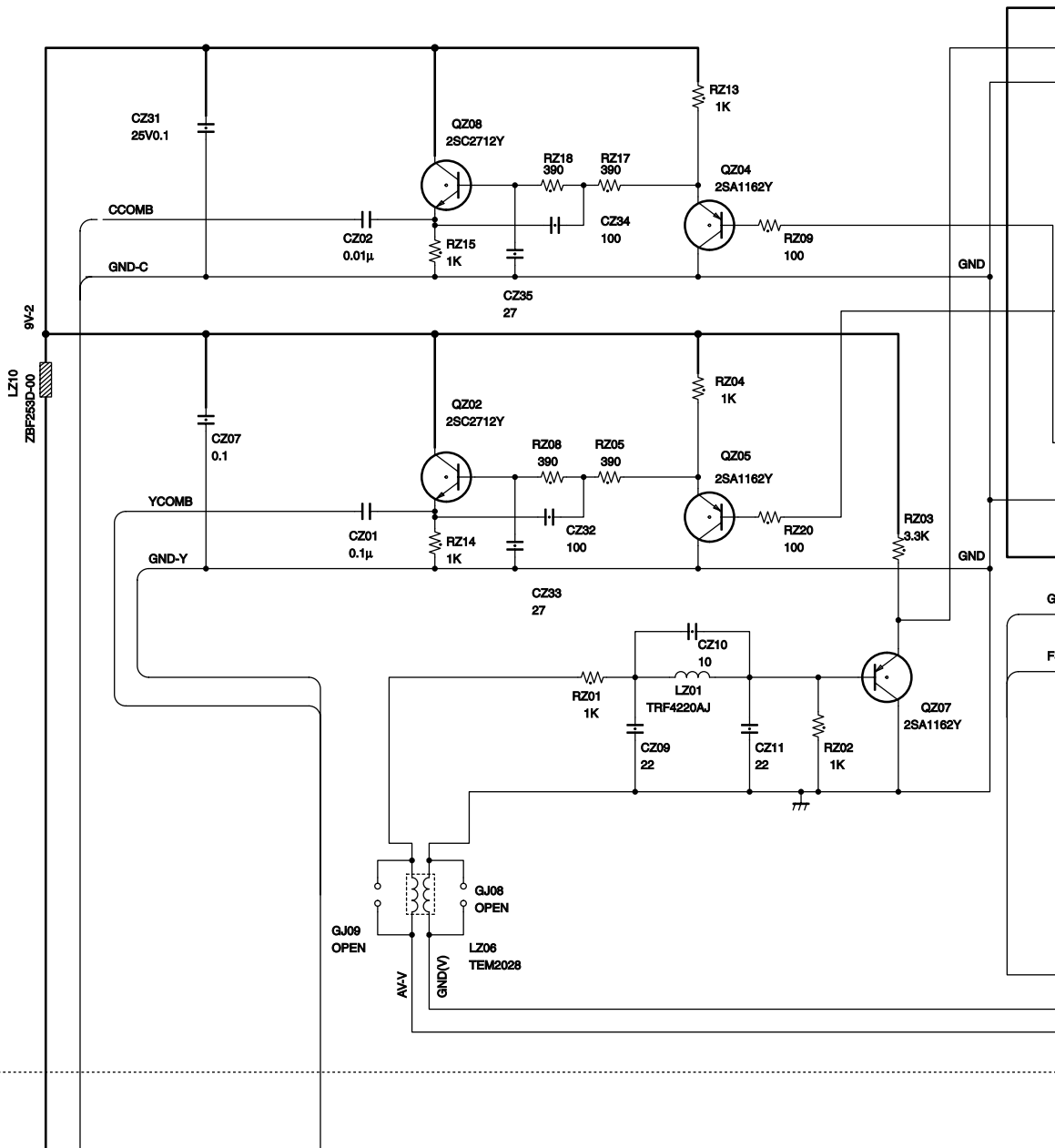
38VH26P
D-COMB&MCD PART

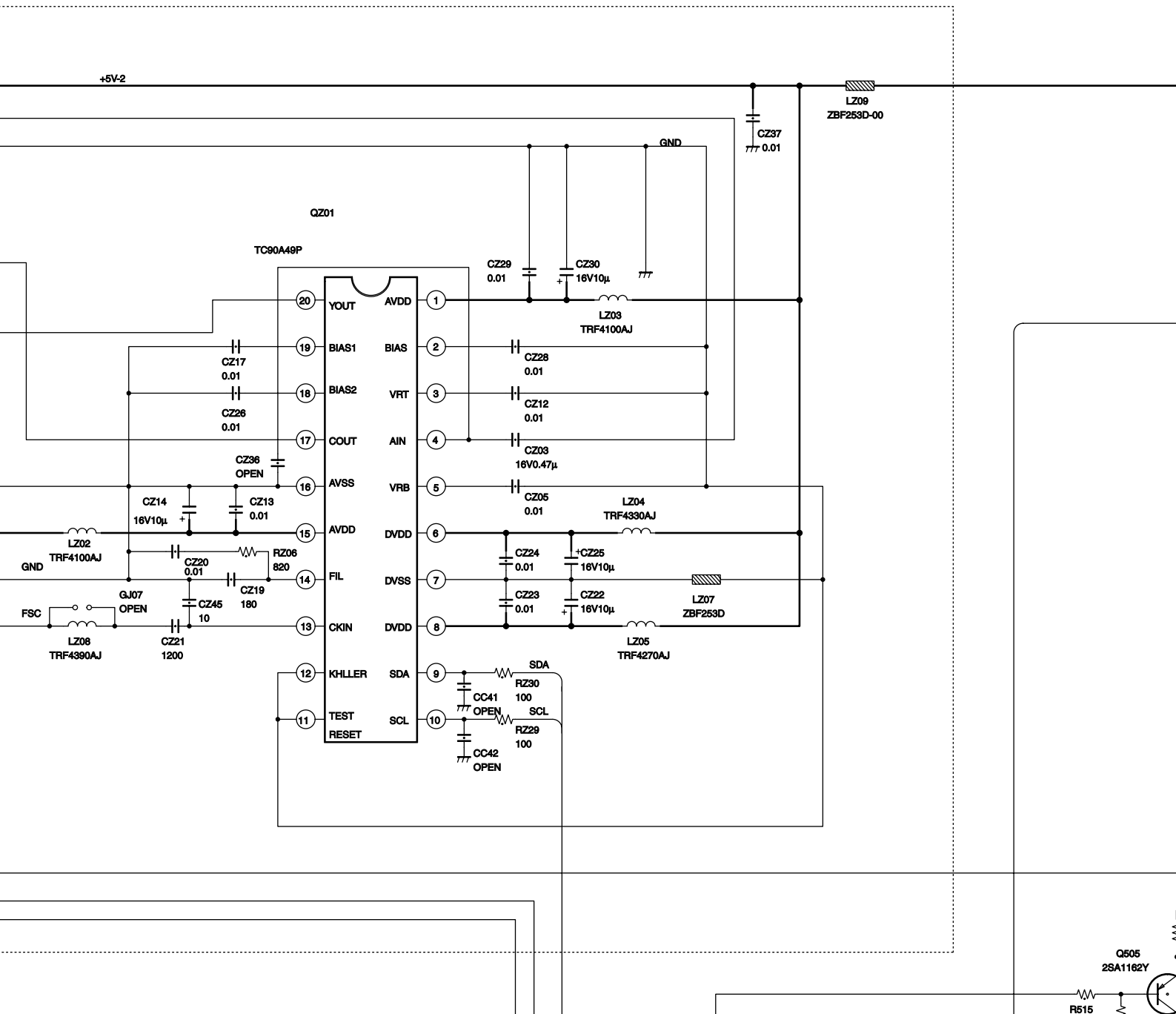
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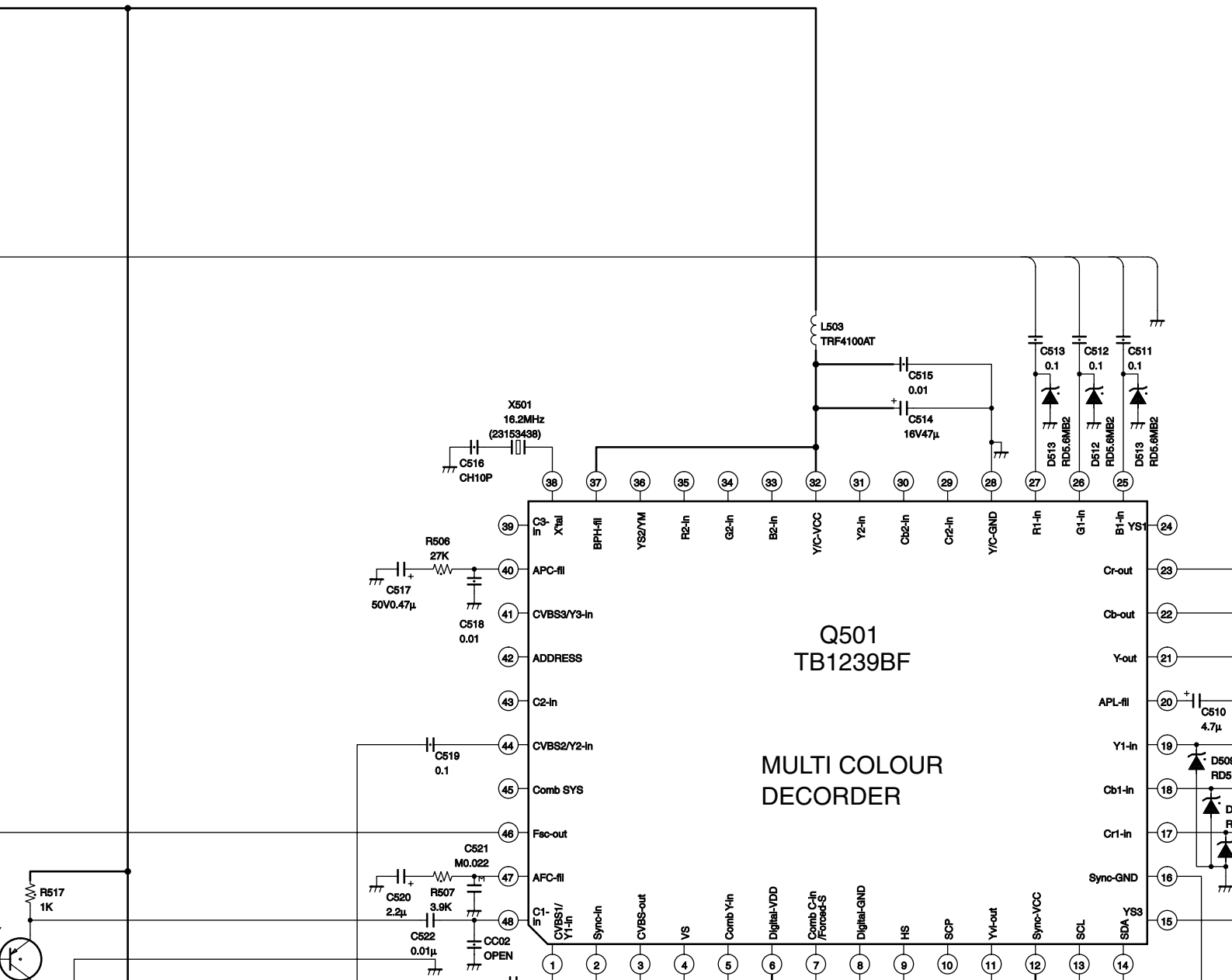
A B C D

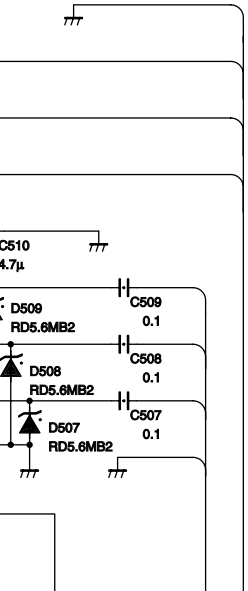
U103 D-COMB&MCD BOARD PB9510A

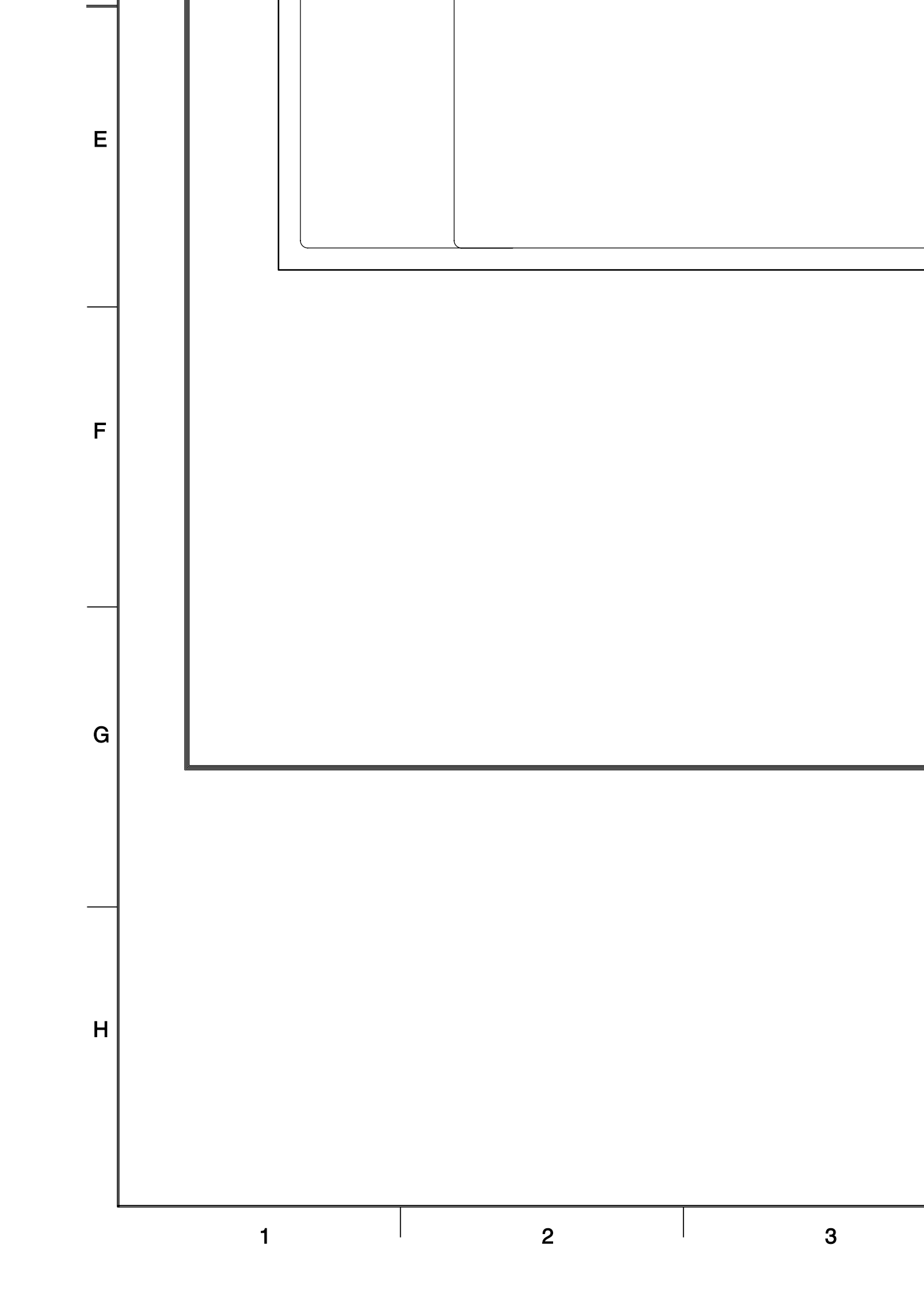
DIGITAL-COMB-FILTER

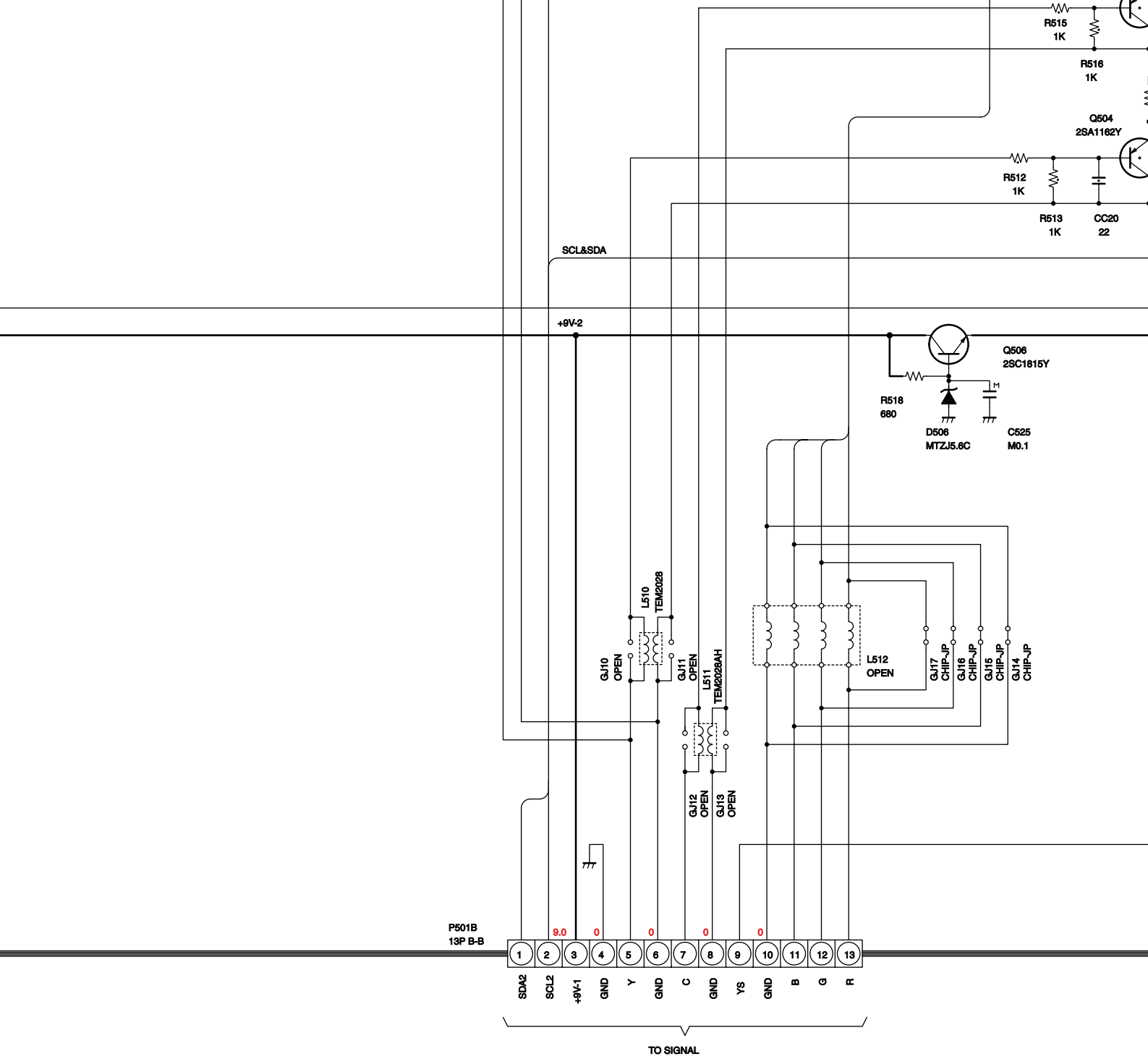


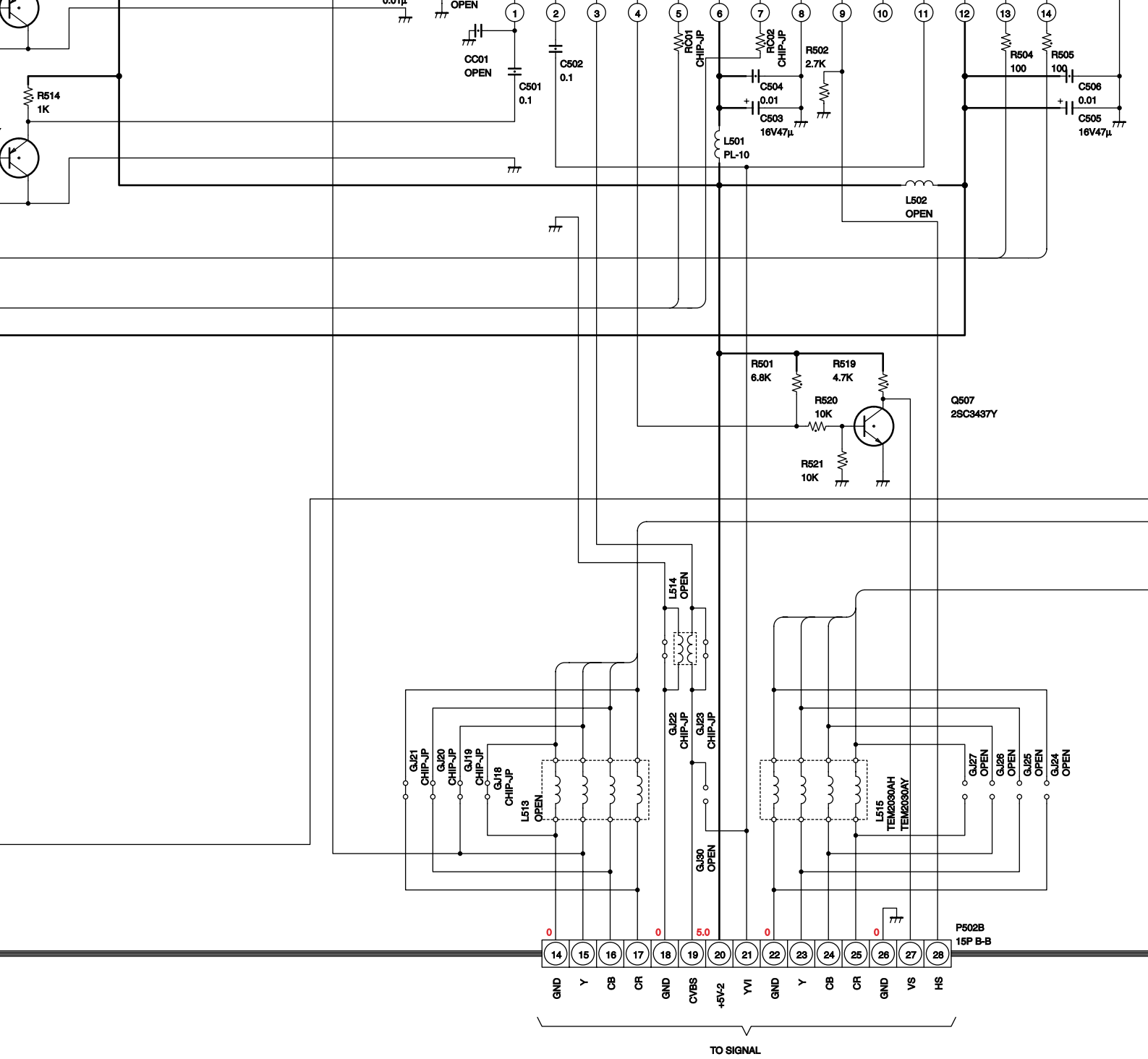

+5V-2
LZ09
ZBF253D-00
CZ37
0.01
GND
QZ01
TC90A49P
CZ29
0.01
CZ30
16V10µ
LZ03
TRF4100AJ
CZ17
0.01
CZ28
0.01
CZ26
0.01
CZ12
0.01
CZ03
16V0.47µ
CZ36
OPEN
CZ14
16V10µ
CZ13
0.01
CZ05
0.01
LZ04
TRF4330AJ
LZ02
TRF4100AJ
GND
CZ20
0.01
RZ06
820
CZ24
0.01
CZ25
16V10µ
CZ19
180
CZ23
0.01
CZ22
16V10µ
LZ07
ZBF253D
GJ07
OPEN
FSC
CZ45
10
LZ08
TRF4390AJ
CZ21
1200
LZ05
TRF4270AJ
SDA
RZ30
100
CC41
OPEN
SCL
RZ29
100
CC42
OPEN
YOUT
BIAS1
BIAS2
COUT
AVSS
AVDD
FIL
CKIN
KHLLER
TEST
RESET
AVDD
BIAS
VRT
AIN
VRB
DVDD
DVSS
DVDD
SDA
SCL
20
19
18
17
16
15
14
13
12
11
1
2
3
4
5
6
7
8
9
10
Q505
2SA1162Y
R515


L503
TRF4100AT
C515
0.01
C514
16V47µ
C513
0.1
C512
0.1
C511
0.1
D513
RD5.6MB2
D512
RD5.6MB2
D513
RD5.6MB2
X501
16.2MHz
(23153438)
C516
CH10P
R506
27K
C517
50V0.47µ
C518
0.01
C519
0.1
C521
M0.022
R507
3.9K
C520
2.2µ
C522
0.01µ
CC02
OPEN
R517
1K
Q501
TB1239BF
MULTI COLOUR
DECORDER
C3-in Xtal
APC-fil
CVBS3/Y3-in
ADDRESS
C2-in
CVBS2/Y2-in
Comb SYS
Fsc-out
AFC-fil
C1-in
BPH-fil
YS2/YM
R2-in
G2-in
B2-in
Y/C-VCC
Y2-in
Cb2-in
Cr2-in
Y/C-GND
R1-in
G1-in
B1-in YS1
Cr-out
Cb-out
Y-out
APL-fil
C510
4.7µ
Y1-in
Cb1-in
Cr1-in
Sync-GND
YS3
CVBS1/Y1-in
Sync-in
CVBS-out
VS
Comb Y-in
Digital-VDD
Comb C-in /Forced-S
Digital-GND
HS
SCP
Y-out
Sync-VCC
SCL
SDA


C510
4.7µ
D509
RD5.6MB2
C509
0.1
D508
RD5.6MB2
C508
0.1
D507
RD5.6MB2
C507
0.1


E
F
G
H
1
2
3


R515
1K
R516
1K
Q504
2SA1162Y
R512
1K
R513
1K
CC20
22
SCL&SDA
+9V-2
Q506
2SC1815Y
R518
680
D506
MTZJ5.6C
C525
M0.1
L510
TEM2028
GJ10
OPEN
GJ11
OPEN
L511
TEM2028AH
GJ12
OPEN
GJ13
OPEN
L512
OPEN
GJ17
CHIP-JP
GJ16
CHIP-JP
GJ15
CHIP-JP
GJ14
CHIP-JP
P501B
13P B-B
9.0
0
0
0
0
1
2
3
4
5
6
7
8
9
10
11
12
13
SDA2
SCL2
+9V-1
GND
Y
GND
C
GND
YS
GND
B
G
R
TO SIGNAL



UNIT SN.	
MCD	SN. 23784878
	SN.
	SN.
	SN.

COPPER SIDE PARTS	
	SN.
	SN.
	SN.
	SN.
	SN.

E

F

G

H

38VH26P
D-COMB&MCD PART

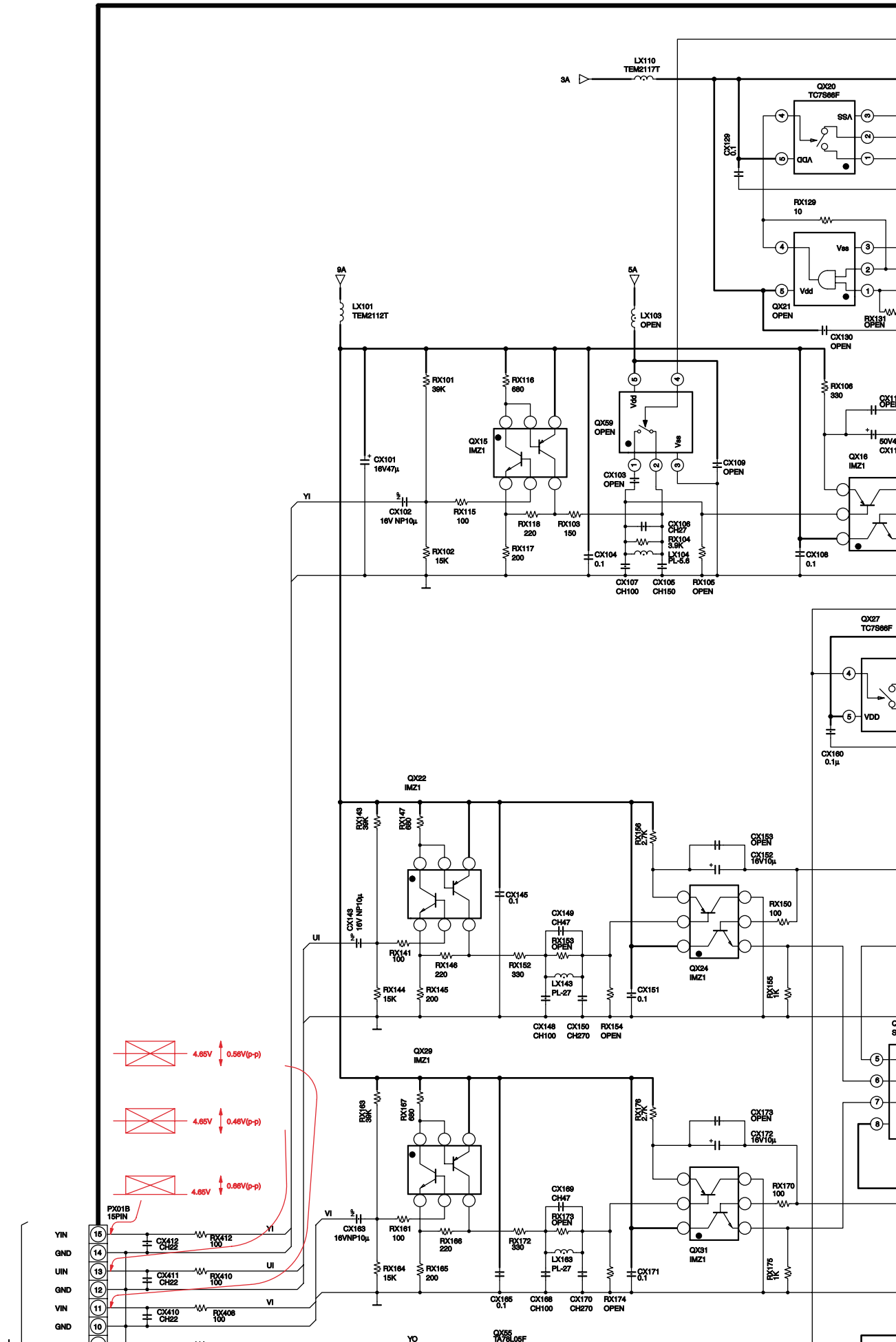
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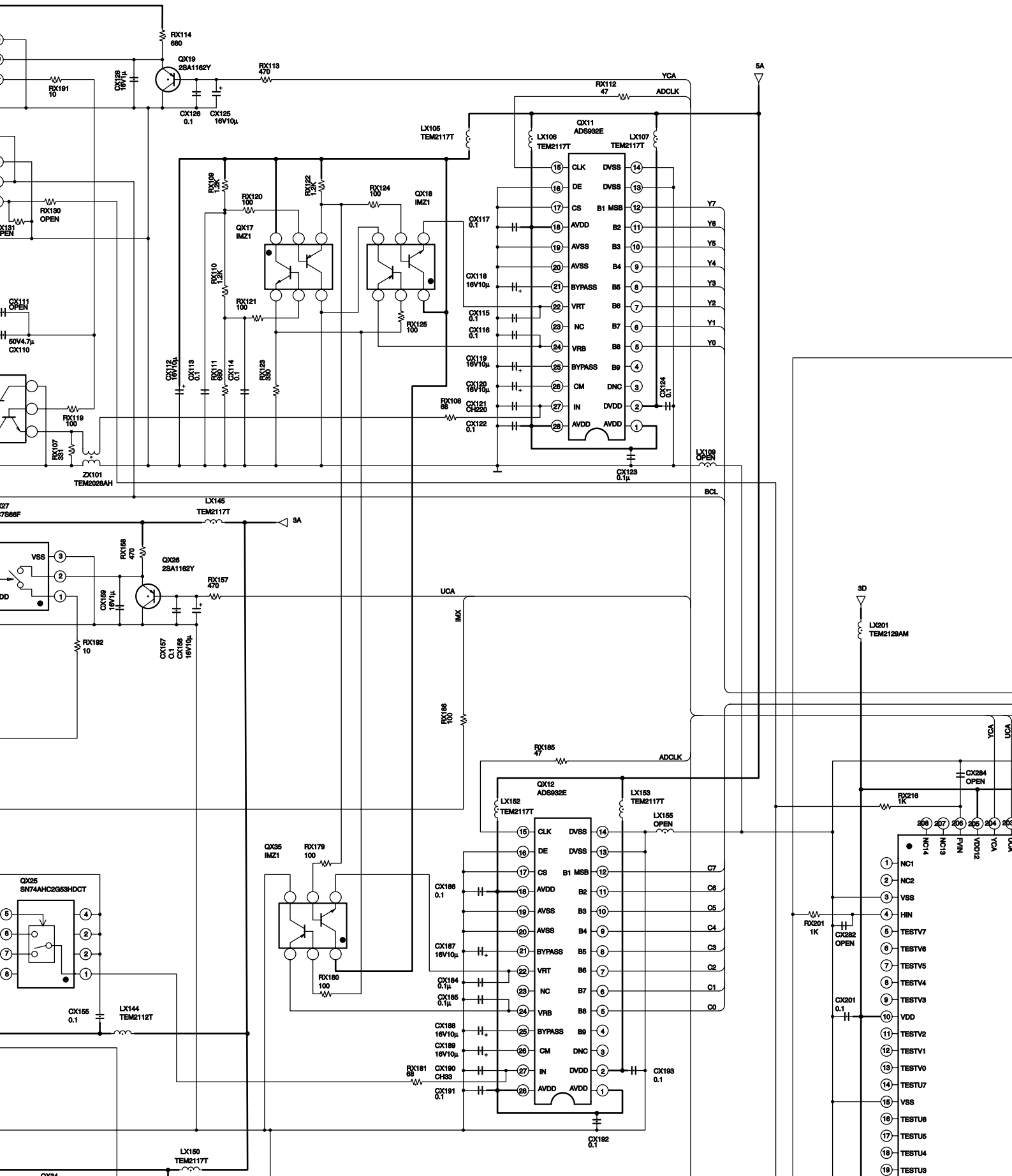
U105 DFS Ver4.01 Dual SDRAM **PB9954**

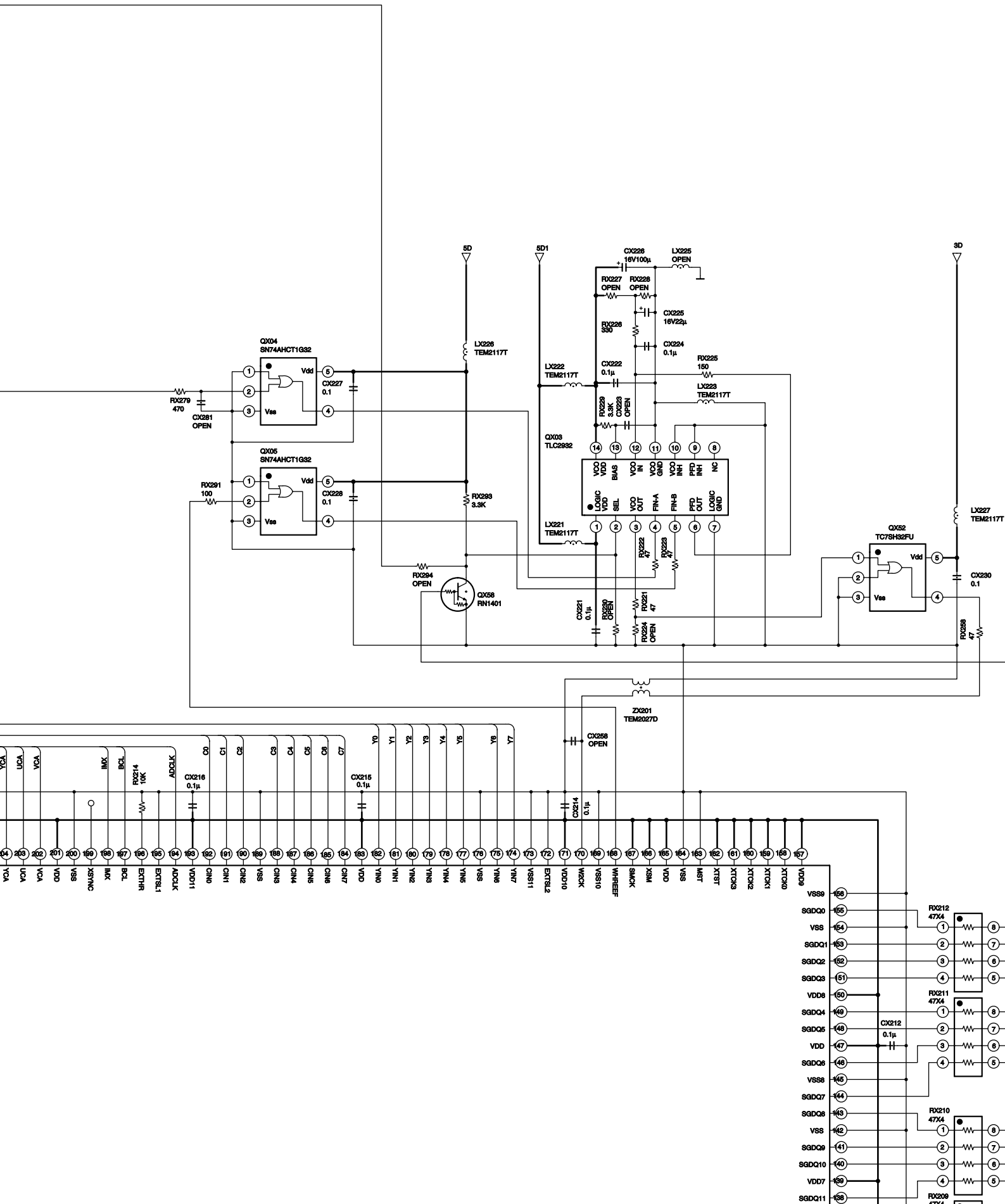
QX01
TC90A61F

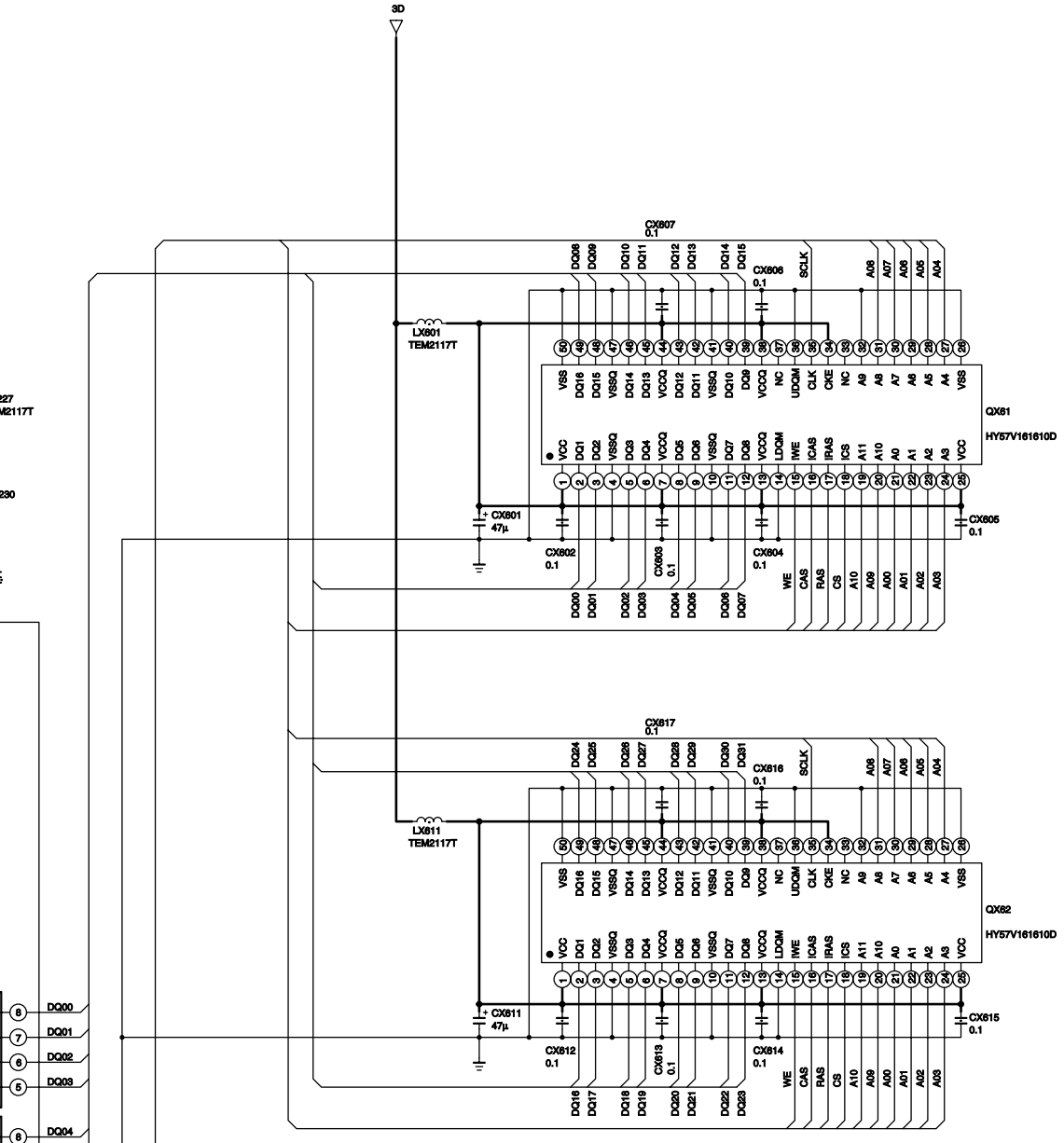
38VH26P
DFS Ver4.01 DualSDRAM

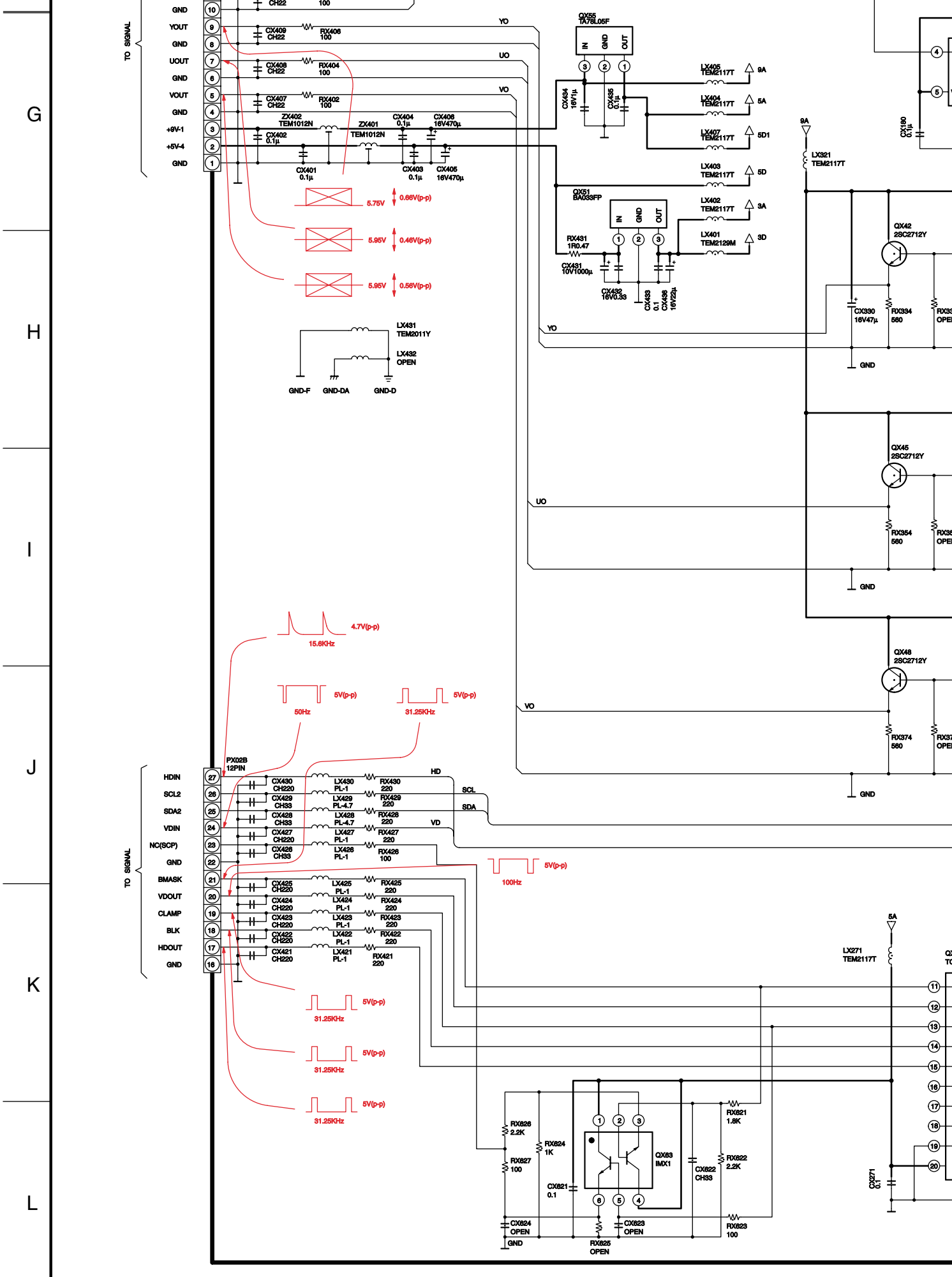
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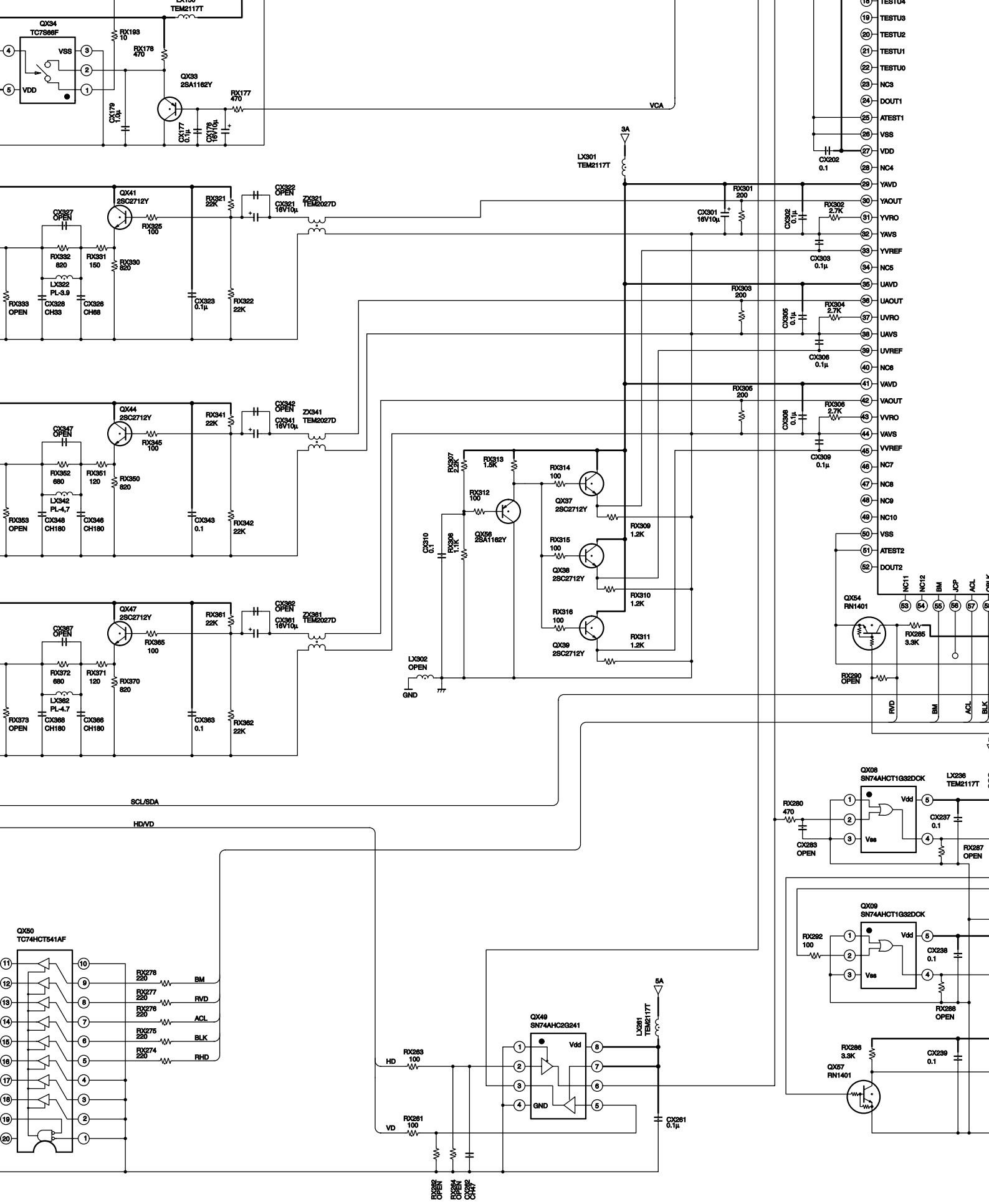



RX114 680
QX19 2SA1162Y
RX191 10
CX128 16V1µ
CX126 0.1
CX125 16V10µ
RX113 470
YCA
5A
RX112 47
ADCLK
LX105 TEM2117T
QX11 ADS932E
LX106 TEM2117T
LX107 TEM2117T
RX109 1.2K
RX120 100
RX122 1.2K
RX124 100
QX18 IMZ1
QX17 IMZ1
RX130 OPEN
RX110 1.2K
RX121 100
RX125 100
CX117 0.1
CX118 16V10µ
CX115 0.1
CX116 0.1
CX119 16V10µ
CX120 16V10µ
RX108 68
CX121 CH220
CX122 0.1
CX123 0.1µ
CX124 0.1
CX111 OPEN
50V4.7µ CX110
CX112 16V10µ
CX113 0.1
RX111 680
CX114 0.1
RX123 330
RX119 100
CX107 0.1
ZX101 TEM2028AH
LX109 OPEN
BCL
LX145 TEM2117T
3A
VSS
RX158 470
QX26 2SA1162Y
RX157 470
CX159 16V1µ
RX192 10
CX157 0.1
CX158 16V10µ
UCA
IMX
3D
LX201 TEM2129AM
RX186 100
RX185 47
ADCLK
QX12 ADS932E
LX152 TEM2117T
LX153 TEM2117T
LX155 OPEN
QX35 IMZ1
RX179 100
RX180 100
CX186 0.1
CX187 16V10µ
CX184 0.1µ
CX185 0.1µ
CX188 16V10µ
CX189 16V10µ
RX181 68
CX190 CH33
CX191 0.1
CX193 0.1
CX192 0.1
C7
C6
C5
C4
C3
C2
C1
C0
CX284 OPEN
RX216 1K
RX201 1K
CX282 OPEN
CX201 0.1
QX25 SN74AHC2G53HDCT
CX155 0.1
LX144 TEM2112T
LX150 TEM2117T
NC14
NC13
FVIN
VDD12
YCA
UCA
NC1
NC2
VSS
HIN
TESTV7
TESTV6
TESTV5
TESTV4
TESTV3
VDD
TESTV2
TESTV1
TESTV0
TESTU7
VSS
TESTU6
TESTU5
TESTU4
TESTU3

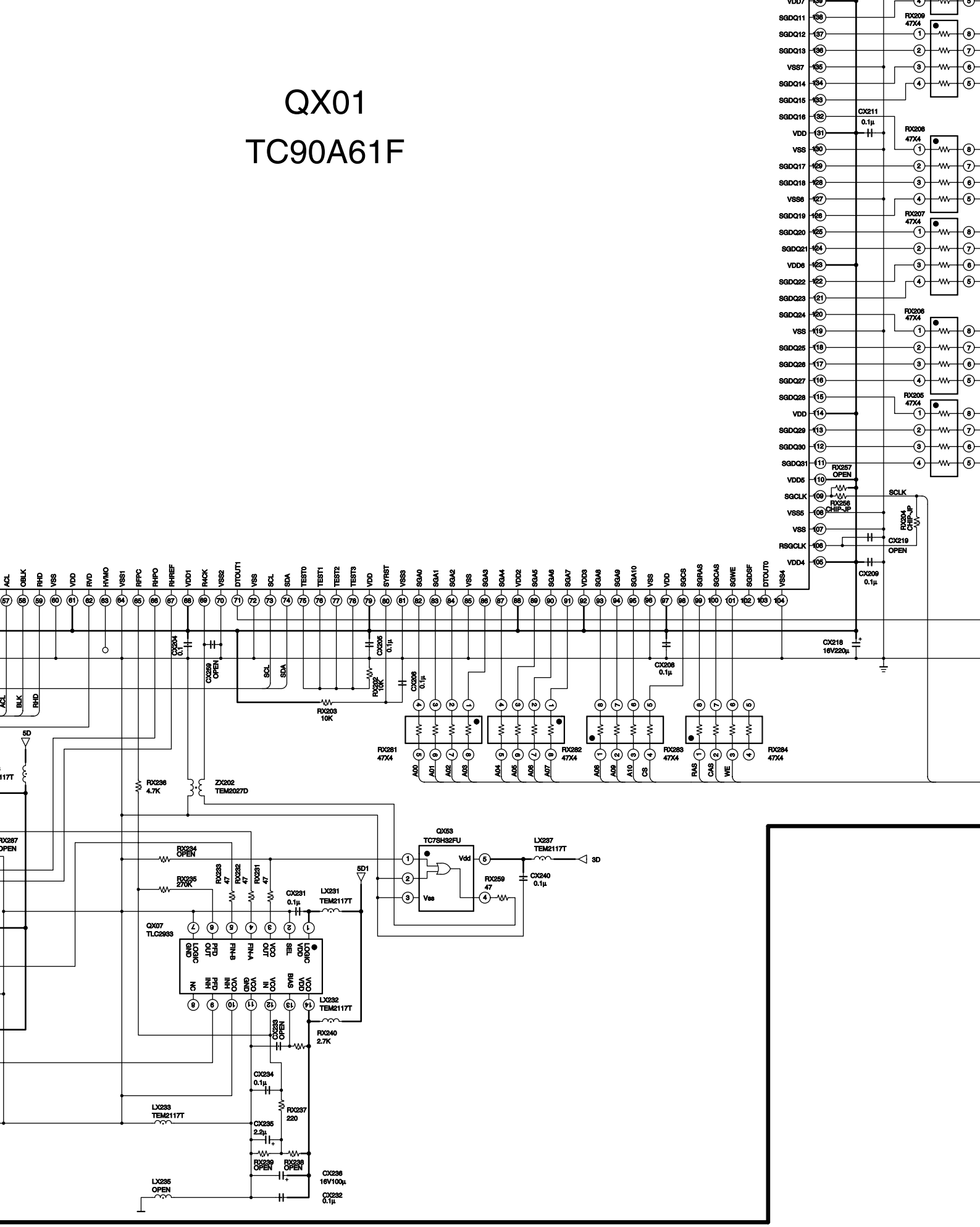

5D
5D1
3D
CX226 16V100µ
LX225 OPEN
RX227 OPEN
RX228 OPEN
CX225 16V22µ
RX226 330
CX224 0.1µ
LX226 TEM2117T
LX222 TEM2117T
CX222 0.1µ
RX225 150
LX223 TEM2117T
RX229 3.3K
CX223 OPEN
QX04 SN74AHCT1G32
QX05 SN74AHCT1G32
QX03 TLC2932
RX279 470
CX281 OPEN
CX227 0.1
RX291 100
CX228 0.1
RX293 3.3K
RX294 OPEN
QX58 RN1401
LX221 TEM2117T
RX222 47
RX223 47
CX221 0.1µ
RX220 OPEN
RX221 47
RX224 OPEN
QX52 TC7SH32FU
LX227 TEM2117T
CX230 0.1
RX258 47
ZX201 TEM2027D
CX258 OPEN
CX216 0.1µ
CX215 0.1µ
CX214 0.1µ
RX214 10K
CX212 0.1µ
RX212 47X4
RX211 47X4
RX210 47X4
RX209 47X4


3D
LX601
TEM2117T
CX607
0.1
CX606
0.1
SCLK
QX61
HY57V161610D
CX601
47µ
CX602
0.1
CX603
0.1
CX604
0.1
CX605
0.1
LX611
TEM2117T
CX617
0.1
CX616
0.1
QX62
HY57V161610D
CX611
47µ
CX612
0.1
CX613
0.1
CX614
0.1
CX615
0.1
DQ00
DQ01
DQ02
DQ03
DQ04
DQ05
DQ06
DQ07
DQ08
DQ09
DQ10
DQ11

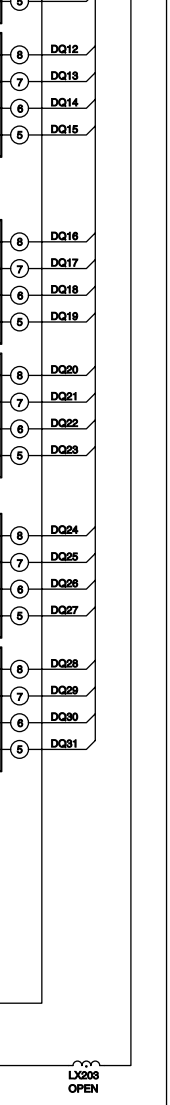

TO SIGNAL
GND
YOUT
GND
UOUT
GND
VOUT
GND
+9V-1
+5V-4
GND
CX409 CH22
RX406 100
CX408 CH22
RX404 100
CX407 CH22
RX402 100
ZX402 TEM1012N
ZX401 TEM1012N
CX402 0.1µ
CX401 0.1µ
CX404 0.1µ
CX406 16V470µ
CX403 0.1µ
CX405 16V470µ
5.75V
0.66V(p-p)
5.95V
0.46V(p-p)
5.95V
0.56V(p-p)
LX431 TEM2011Y
LX432 OPEN
GND-F
GND-DA
GND-D
YO
UO
VO
QX55 TA78L05F
IN
GND
OUT
CX434 16V1µ
CX435 0.1
LX405 TEM2117T
9A
LX404 TEM2117T
5A
LX407 TEM2117T
5D1
LX403 TEM2117T
5D
QX51 BA033FP
LX402 TEM2117T
3A
LX401 TEM2129M
3D
RX431 1R0.47
CX431 10V1000µ
CX432 16V0.33
CX433 0.1
CX436 16V22µ
LX321 TEM2117T
QX42 2SC2712Y
CX330 16V47µ
RX334 560
CX180 0.1µ
QX45 2SC2712Y
RX354 560
QX48 2SC2712Y
RX374 560
4.7V(p-p)
15.6KHz
5V(p-p)
50Hz
5V(p-p)
31.25KHz
PX02B 12PIN
HDIN
SCL2
SDA2
VDIN
NC(SCP)
GND
BMASK
VDOUT
CLAMP
BLK
HDOUT
GND
CX430 CH220
LX430 PL-1
RX430 220
HD
CX429 CH33
LX429 PL-4.7
RX429 220
SCL
CX428 CH33
LX428 PL-4.7
RX428 220
SDA
CX427 CH220
LX427 PL-1
RX427 220
VD
CX426 CH33
LX426 PL-1
RX426 100
5V(p-p)
100Hz
CX425 CH220
LX425 PL-1
RX425 220
CX424 CH220
LX424 PL-1
RX424 220
CX423 CH220
LX423 PL-1
RX423 220
CX422 CH220
LX422 PL-1
RX422 220
CX421 CH220
LX421 PL-1
RX421 220
5V(p-p)
31.25KHz
5V(p-p)
31.25KHz
5V(p-p)
31.25KHz
LX271 TEM2117T
RX626 2.2K
RX624 1K
RX627 100
CX621 0.1
QX63 IMX1
RX621 1.8K
RX622 2.2K
CX622 CH33
CX624 OPEN
CX623 OPEN
RX625 OPEN
RX623 100
CX271 0.1


QX34
TC7S66F
VSS
VDD
RX193
10
RX178
470
QX33
2SA1162Y
RX177
470
CX179
1.0µ
CX177
0.1µ
CX178
16V10µ
VCA
LX301
TEM2117T
3A
CX202
0.1
TESTU4
TESTU3
TESTU2
TESTU1
TESTU0
NC3
DOUT1
ATEST1
VSS
VDD
NC4
YAVD
YAOUT
YVRO
YAVS
YVREF
NC5
UAVD
UAOUT
UVRO
UAVS
UVREF
NC6
VAVD
VAOUT
VVRO
VAVS
VVREF
NC7
NC8
NC9
NC10
VSS
ATEST2
DOUT2
RX301
200
CX301
16V10µ
CX302
0.1µ
RX302
2.7K
CX303
0.1µ
RX303
200
CX305
0.1µ
RX304
2.7K
CX306
0.1µ
RX305
200
CX308
0.1µ
RX306
2.7K
CX309
0.1µ
QX41
2SC2712Y
CX327
OPEN
RX325
100
RX321
22K
CX322
OPEN
CX321
16V10µ
ZX321
TEM2027D
RX332
820
RX331
150
RX330
820
LX322
PL-3.9
RX333
OPEN
CX328
CH33
CX326
CH68
CX323
0.1µ
RX322
22K
QX44
2SC2712Y
CX347
OPEN
RX345
100
RX341
22K
CX342
OPEN
CX341
16V10µ
ZX341
TEM2027D
RX352
680
RX351
120
RX350
820
LX342
PL-4.7
RX353
OPEN
CX348
CH180
CX346
CH180
CX343
0.1
RX342
22K
QX47
2SC2712Y
CX367
OPEN
RX365
100
RX361
22K
CX362
OPEN
CX361
16V10µ
ZX361
TEM2027D
RX372
680
RX371
120
RX370
820
LX362
PL-4.7
RX373
OPEN
CX368
CH180
CX366
CH180
CX363
0.1
RX362
22K
RX307
2.2K
RX313
1.5K
RX314
100
QX37
2SC2712Y
RX309
1.2K
RX312
100
QX56
2SA1162Y
CX310
0.1
RX308
1.1K
RX315
100
QX38
2SC2712Y
RX310
1.2K
RX316
100
QX39
2SC2712Y
RX311
1.2K
LX302
OPEN
GND
QX54
RN1401
RX285
3.3K
RX290
OPEN
NC11
NC12
BM
JCP
ACL
RVD
BM
ACL
BLK
SCL/SDA
HD/VD
QX08
SN74AHCT1G32DCK
LX236
TEM2117T
RX280
470
CX283
OPEN
CX237
0.1
RX287
OPEN
QX09
SN74AHCT1G32DCK
RX292
100
CX238
0.1
RX288
OPEN
RX286
3.3K
QX57
RN1401
CX239
0.1
QX50
TC74HCT541AF
RX278
220
BM
RX277
220
RVD
RX276
220
ACL
RX275
220
BLK
RX274
220
RHD
QX49
SN74AHC2G241
HD
RX263
100
VD
RX261
100
5A
LX261
TEM2117T
CX261
0.1µ
RX262
OPEN
RX264
OPEN
CX262
0.47

QX01
TC90A61F



9	10	11	12



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38VH26P
DFS Ver4.01 DualSDRAM

SPECIFICATIONS

Input Power Rating: AC 220 ~ 240 Volts, 50 Hz

Aerial Input Impedance: 75 ohm unbalanced type for VHF, UHF and CATV

Receiving Channels:

System	Channel	VHF	UHF	CATV	
PAL B/G	CCIR	2 ~ 12	21 ~ 69	S1 ~ S41	X ~ Z + 2,
SECAM B/G	CCIR	2 ~ 12	21 ~ 69	S1 ~ S41	X ~ Z + 2,
PAL D/K	CHINA	1 ~ 12	13 ~ 57	Z-1 ~ Z-35	
PAL I	UK		21 ~ 69		
SECAM D/K	OIRT	1 ~ 12	21 ~ 69	X-1 ~ X-19	
SECAM L	FRANCE/CCIR	FB ~ F6	21 ~ 69	X ~ Z + 2	S1 ~ S41

PAL, SECAM 50 Hz/60 Hz (For Video Disk play back)
4.43 NTSC (For VCR playback), 3.58 NTSC (For VCR playback)

Intermediate Frequencies:
Picture I-F carrier frequency ..... 38.9 MHz (L VL)
Sound I-F carrier frequency
B/G System ..... 33.4 MHz
D/K System ..... 32.4 MHz

Picture Tube: 38 inches
102° deflection

Sound Output: 10 W + 10 W (at 10% THD)

Speakers: 60 mm × 120 mm oval, 2 pcs

Aux. Terminals: 21 pin socket (FULL), 21 pin socket (S-VIDEO/AV).
COMPONENT VIDEO/AUDIO terminals

Cabinet: Table type

Dimensions:
Height ..... 753 mm
Width ..... 972 mm
Depth ..... 615 mm

Mass: 90.0 kg (Approx.)

* Please refer to owner's manual in detail.

– END –

TOSHIBA CORPORATION
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