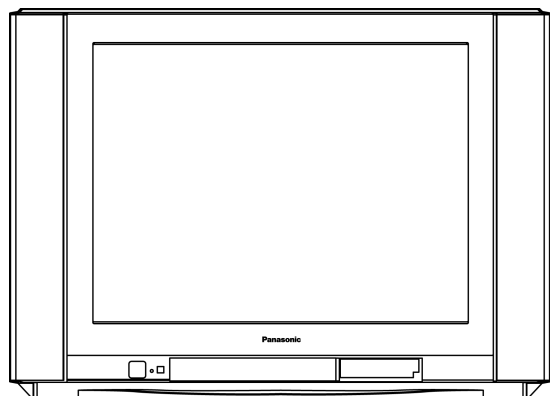


Service Manual

Colour Television



TX-34P800R

GP11 Chassis

Specification

Power Source	AC AUTO 110-240 V, 50/60 Hz		0-12 PAL B (AUST.)
Power Consumption	200 W		1-9 PAL B (N.Z.)
Standby condition	5 W		1-12 PAL/SECAM D
Receiving System	21 Systems		1-12 NTSC M (JAPAN)
Function			2-13 NTSC M (U.S.A.)
Reception of broadcast transmissions and Playback from Video Cassette Tape Recorders	PAL B, G, H PAL I PAL D, K SECAM B, G SECAM D, K SECAM K1	UHF BAND	21-69 PAL G,H,I/SECAM G,K,K1 28-69 PAL B (AUST.) 13-57 PAL D,K 13-62 NTSC M (JAPAN) 14-69 NTSC M (U.S.A.)
	NTSC M (NTSC 3.58/4.5 MHz)	CATV	S1-S20 (OSCAR) 1-125 (U.S.A. CATV)
Playback from special VCR's	NTSC 4.43/5.5 MHz NTSC 4.43/6.0 MHz NTSC 4.43/6.5 MHz NTSC 3.58/5.5 MHz NTSC 3.58/6.0 MHz NTSC 3.58/6.5 MHz SECAM I		C13-C49 (JAPAN) S21-S41 (HYPER) Z1-Z37 (CHINA) 5A, 9A (AUST.)
Playback from Special Disc Player and Special VCR's	PAL 60 Hz/5.5 MHz PAL 60 Hz/6.0 MHz PAL 60 Hz/6.5 MHz SECAM 60 Hz/5.5 MHz SECAM 60 Hz/6.0 MHz SECAM 60 Hz/6.5 MHz NTSC 50Hz/4.5MHz	Receiving Stereo System	NICAM I, NICAM B/G, NICAM D A2 (German)
		Tuning System	Frequency synthesizer Auto Search Tuning POSITION : 100 Position DIRECT : 125 Position
		High Voltage	31.0 ± 1.0 kV at zero beam current
		Picture Tube	Minimum Viewable Picture tube measured diagonally : 80 cm CRT Deflection : 104°
Receiving Channels	Regular TV	Audio Output	20 W
VHF BAND	2-12 PAL/SECAM B, K1		

Panasonic®

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Headphone jack	3.5 mm Plug	Audio L/R terminals	
Aerial Impedance	75 Ω Unbalanced Coaxial	AV2 IN (Rear) : Video or Y/P _B /P _R	
Video/Audio/Component Terminals		Audio L/R terminals	
AV 1, 2, 3, 4	S-Video In Y:1 Vp-p, 75 Ω C:0:3 Vp-p 75 Ω DVD (Y/P _B /P _R) Video In 1 Vp-p, 75 Ω	AV3 IN (Front) : S-Video, Video, Audio L/R RGB terminals	
Monitor Out	Audio In Approx 0.4 V 47 k Ω Video Out 1 Vp-p, 75 Ω Audio Out Approx. 0.4 V 1 k Ω	AV4 IN (Rear) : Video or Y/P _B /P _R	
AV1 IN (Rear) : S-Video, Video,		Audio L/R terminals	
		Dimensions (WxDxH)	916 mm x 567.3 mm x 675.5 mm
		Weight (Mass)	76 kg (Net)
		Note:	
		Design and Specifications are subject to change without notice. Weight and Dimensions shown are approximate.	

WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

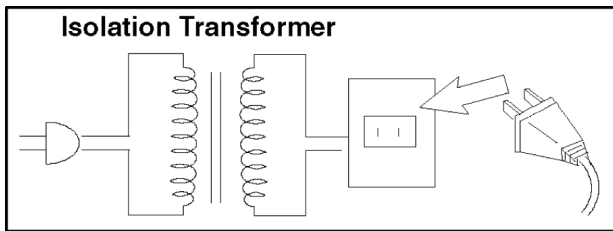
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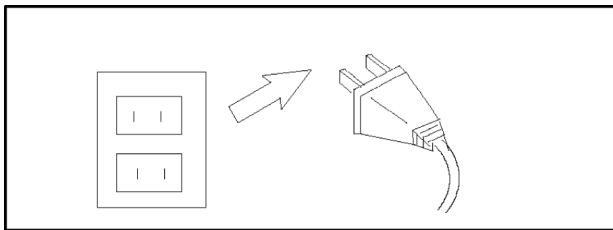
1 SAFETY PRECAUTIONS

1.1. General Guide

1. It is advisable to insert an isolation transformer in the AC supply before servicing a hot chassis.



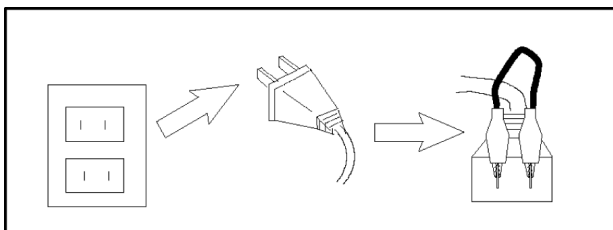
2. When servicing, observe the original lead dress, especially the lead dress in the high voltage circuits. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
3. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers, shields, and isolation R-C combinations, are properly installed.
4. When the receiver is not to be used for a long period of time, unplug the power cord from the AC outlet.



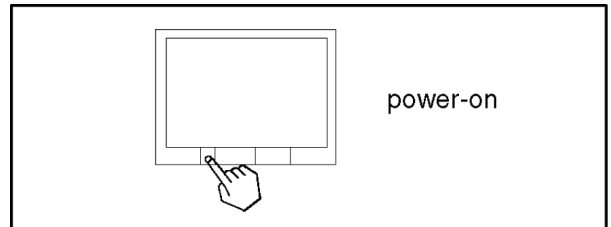
5. Potential, as high as **32.0 kV** is present when this receiver is in operation. Operation of the receiver without the rear cover involves the danger of a shock hazard from the receiver power supply. Servicing should not be attempted by anyone who is not thoroughly familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the picture tube to the receiver chassis before handling the tube.
6. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.2. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.



2. Turn on the receiver's power switch.



3. Measure the resistance value, with an ohmmeter, between the jumper AC plug and each exposed metallic cabinet part on the receiver, such as screw heads, aerials, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between **4 MΩ and 20 MΩ**. When the exposed metal does not have a return path to the chassis, the reading must be infinite.

1.3. Leakage Current Hot Check (See Fig. 1)

1. Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.
2. Connect a $2k\Omega$, 10 W resistor in series with an exposed metallic part on the receiver and an earth such as a water pipe.
3. Use an AC voltmeter, with high impedance type, to measure the potential across the resistor.
4. Check each exposed metallic part, and measure the voltage at each point.

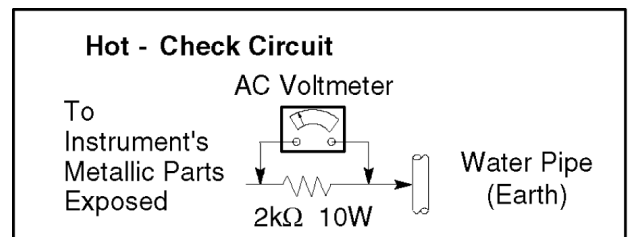
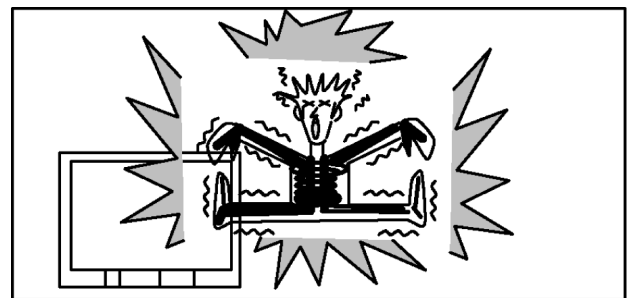


FIG. 1

5. Reverse the AC plug in the AC outlet and repeat each of the above measurements.
6. The potential any point should not exceed **1.0 V rms**. In the case of a measurement being outside of the limits specified, there is a possibility of a shock hazard, and the receiver should be repaired and rechecked before it is returned to the customer.



1.4. X-Radiation

Warning :

1. The potential sources of X-Radiation in TV sets are the EHT section and the picture tube.

2. When using a picture tube test rig for service, ensure that the rig is capable of handling **32.0 kV** without causing X-Radiation.

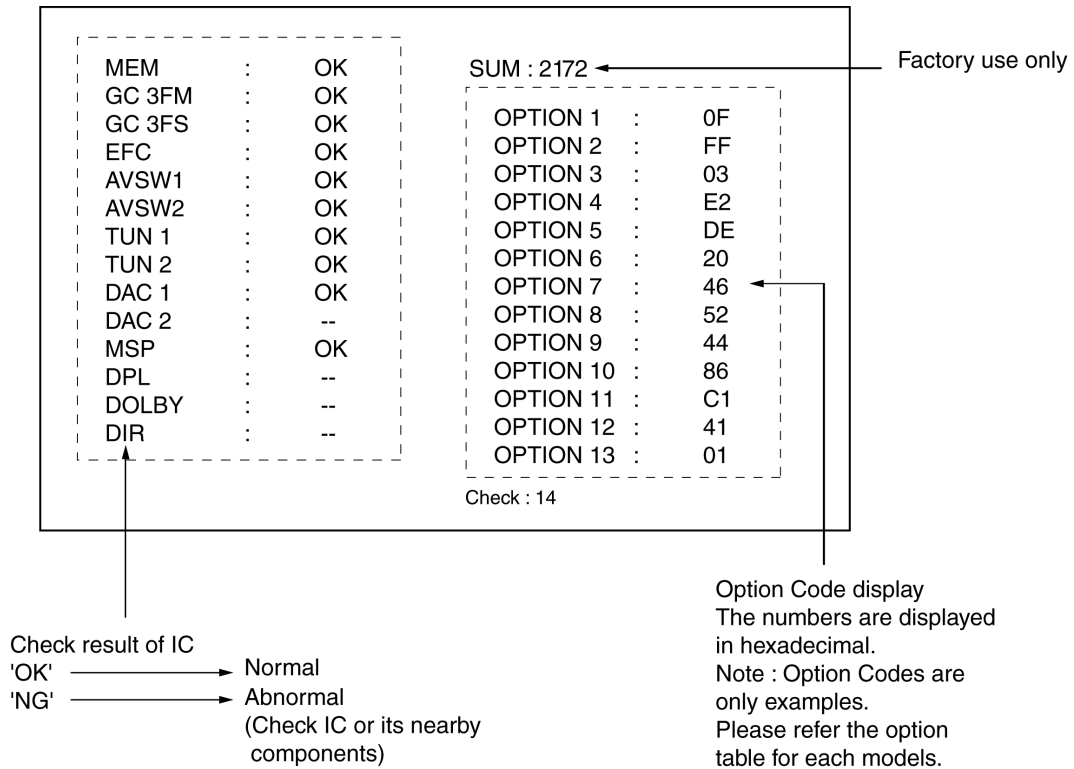
Note: It is important to use an accurate periodically calibrated high voltage meter.

1. Set the brightness to minimum.
2. Measure the High Voltage. The meter reading should indicate **31.0 ± 1 kV**. If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
3. To prevent the possibility of X-Radiation, it is essential to use the specified picture tube.

2 SELF CHECK

Selection of SELF CHECK Mode

Press Timer button on the remote control and press button - on the TV set.



3 MARKET MODE FUNCTION

Outline:

MPU controls the functions switching for each Ics through IIC bus in this chassis. The following setting and adjustment can be adjusted by remote control in Market Mode.

1. Selection of SERVICE 1 Mode

Adjust the Volume "ZERO" and set OFF TIMER button to 30 min. Then simultaneously press the Recal button on the remote control and Volume button - the TV set.

2. Selection of SERVICE 1 Mode

Cursor moves each Mode by pressing "3" or "4" of 10 key button on the remote control.

3. Selection of SERVICE 2 Mode

Adjust the Volume "ZERO" and set OFF TIMER button to 30 min. Then simultaneously press the Recal button on the remote control and Volume button - the TV set then press MUTE button together press - button on the TV set.

4. Selection of HOTEL Mode

Press recall button on the remote control and press button + on the TV set.

SERVICE 1

Function

Sub-Contrast	196
Sub-Colour	30
Sub-NTSC Tint	7
Video Gain 2	31
SPL Gain	0
H-Pos	941
V-Pos	79
H-Amp	91
V-Amp	118
Parabola	90
Trapezoid	127
H-Parallel	26
V-Linear	144
Top-Corner	182
Botton-Corner	180
V-S Correct	100
C-Correct	16
H-Daf Phase	12

High	0127	0138
Low	0471	0512	0475

Sub-Bright	131
Sub-Geomagnetic	15

OPTION 1	OF		
b0	1	colour system	Auto(1)
b1	1		SECAM(1)
b2	1		NTSC(1)
b3	1		M.NTSC(1)
b4	0	EFC	with EFC(0), without EFC(1)
b5	0	free	
b6	0	free	
b7	0	free	
OPTION 2	FF		
b0	1	CH Plan	ASIA / M.E / HK / UK / CHINA(1)
b1	1		NZ / INDNES(1)
b2	1		AUSTRALIA(1)
b3	1		E. EUROPE(1)
b4	1		SPECIAL(1)
b5	1		AMERICA(1)
b6	1		CATV(1)
b7	1		JAPAN(1)
OPTION 3	03		
b0	1	sub picture	without sub-picture(0), with sub-picture(1)
b1	1	2tuner	2tuner(1), 1tuner(0)
b2	0	VGA	enable(1)
b3	0	AV5	enable(1)
b4	0	Wide (16.9)	16:9 (1), 4:3 (0) (change multi window/aspect operation)
b5	0	Jpeg	enable(1)
b6	0	SIF	4.5 / 5.5 / 6.0 / 6.5(0), 5.5 / 6.0 / 6.5(1)
b7	0		5.5, 6.5 (2), 6.0 / 6.5(3)
OPTION 4	E2		
b0	0	A2 enable	4.5(1)
b1	1		5.5(1)
b2	0		6.0(1)
b3	0		6.5(1)
b4	0	NICAM enable	4.5(1)
b5	1		5.5(1)
b6	1		6.0(1)
b7	1		6.5(1)
OPTION 5	DE		
b0	0	A2 select 6.5MHz	5.74MHz (0) 6.742MHz (1)
b1	1	NICAM priority	ASIA / M.E(1)
b2	1		HK/UK(1)
b3	1		CHINA(1)
b4	1		NZ/INDN(1)
b5	0		AUSTRA(1)
b6	1		E.EURO(1)
b7	1		SPECIAL(1)
OPTION 6	20		
b0	0	Ext.HV input	without HV input(0) / with HV input(1)
b1	0	SASO enable	SASO enable(1)
b2	0	Noise mute	Noise mute enable(0)
b3	0	Monitor out AV1	Monitor out AV1 mute(1)
b4	0	Tuner no refresh	Refresh tuner (1), no refresh(1)
b5	1	Tuner	MACO tuner(1), others(0)
b6	0	HYPERS only for Euro	UHF only(0), UHF/VHF(1)
b7	0	IF 12C	12c controlled tuner IF module(1)
OPTION 7	46		
b0	0	Power up EC-Mod	Power on EC enable(1)
b1	1	CH Blanking	Blanking enable(1)
b2	1	AV Blanking	Blanking enable(1)
b3	0	Auto WIDE	(1)
b4	0	Volume correction	TV Volume correction enable(1)
b5	0	AVlink	Q-Link off selectable in menu(1)
b6	1	MPX / NICAM displ.	Display NICAM(0), Display MPX(1)
b7	0	Owner ID	Enable(1) (only asia Model switchable)

OPTION 8	50		
b0	0	Teletext CH Refresh	enable (1)
b1	0	Geomagnetic Sensor	Geomagnetic Sensor enable(1)
b2	0	Geomagnetic Polarity	Geomagnetic Polarity +(0), -(1)
b3	0	RF Attenuation	enable(1)
b4	1	Fine tuning	enable(1)
b5	0	Search speed	Slow(1), Fast(0)
b6	1	TEXT	enable(1)
b7	0	TEXT TOP	TOP enable(1)
OPTION 9	44		
b0	0	free	
b1	0	3D Subwoofer	subwoofer enable(1) Dolby model should be 0
b2	1	Dolby Virtual	Dolby Virtual enable(1)
b3	0	Amp.	with Amp(0) / without Amp(1)
b4	0	SoundExt.DA	without SoundExt.DA(0) / with SoundExt.DA(1)
b5	0	shipping Sound menu	MUSIC(0) / CINEMA(1)
b6	1	MDB	enable(1)
b7	0	LIPSYNC	LIPSYNC enable(1)
OPTION 10	87		
b0	1	OSD language	OSD Large font(0) / small font(1)
b1	1	ACI all country	OSD language : with Arabic(1)
b2	1	Channel OSD Position	2 lines lower (0) / No change(1)
b3	0	ACI offset	not use
b4	0	Blue back	BLUE BACK on/off selection in menu(0)
b5	0	Aspect Auto	Disable(1)
b6	0	S1/S2 detect	Disable(1)
b7	1	Protect 5V detect	Protection input enable(1)
OPTION 11	C1		
b0	1	Acuity demo	enable(1)
b1	0	Picture shift	enable(1)
b2	0	Shop mode	enable(1)
b3	0	User aspect Just	enable(1)
b4	0	User aspect 14:9	enable(1)
b5	0	NICAM C4 bit	enable(1)
b6	1	ID-1	enable(1)
b7	1	10801	enable(1)
OPTION 12	01		
b0	1	Asia	Asia(1), europe(0)
b1	0	Australia	Australia(1)
b2	0	Ireland / India	India(1)
b3	0	UK / Korea	Korea(1)
b4	0	MELCOA	MELCOA(1)
b5	0	28 inch	28 inch(1) when only large size=0, wide-1, PTV=0
b6	0	Large size	52(1) / 42(0) for PTV, 38(1) / 32(0) for wide, 34(1) / 29(0) for 4:3
b7	0	free	
OPTION 13	01	Temporary	
b0	1	Jpeg burn protection	enable(0), disable(1)
b1	0	Uk Tuner IF 38:9	38.9MHz(0), 39.5(1)
b2	0	New ALBD	ALBD14:9 & Zoom3 disable(1)
b3	0	IDTV	enable(1)
b4	0	Viewing mode	common(1)_, separate each source(0)
b5	0	TEXT reffesh for Euro	not use
b6	0	TEXT on	
b7	0	free	

4 ADJUSTMENT PROCEDURE

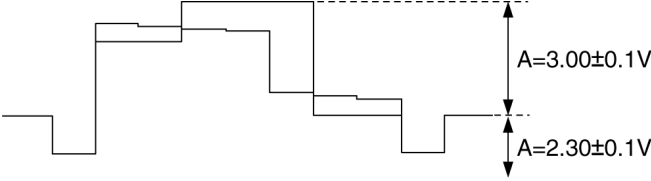
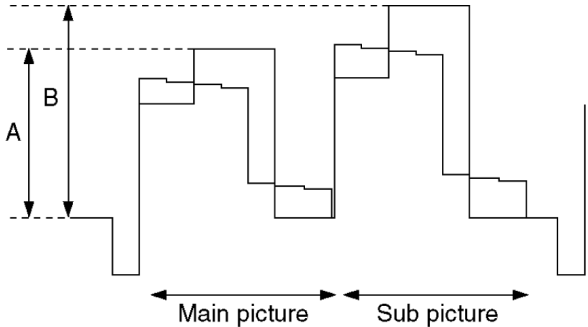
4.1. Voltage Confirmation

Item/Preparation	Adjustment Procedure
+B Voltage 1. Operate the TV set. 2. Set controls : Bright Minimum Contrast Minimum Volume Minimum	1. TPD15 : $133.0 \pm 1V$ (D-Board) 2. TPD13 : $15.5 \pm 1V$ (D-Board) 3. TPD14 : $-15 \pm 1V$ (D-Board) 4. TPD18 : $7.0 \pm 0.5V$ (D-Board) 5. TPD9-TPD20 : $31.5 \pm 1.0V$ (D-Board) 6. TPD10 : $5.1 \pm 0.25V$ (D-Board) 7. TPD32 : $220.0 \pm 10V$ (D-Board) 8. IC1406 PIN4 : $2.5V \pm 0.25V$ (A-Board) 9. IC1405 PIN2 : $3.3 \pm 0.3V / -0.2V$ (A-Board) 10. IC1410 PIN2 : $12 \pm 0.4V$ (A-Board) 11. TP1410 : $1.85V \pm 0.1V$ (A-Board) 12. IC001 PIN3 : $5.0 \pm 0.4V$ (A-Board) 13. IC1413 PIN3 : $5.0 \pm 0.4V$ (A-Board) 14. IC1414 PIN3 : $9.0 \pm 0.4V$ (A-Board) 15. IC2000 PIN2 : $8.0 \pm 0.4V$ (A-Board) 16. IC1412 PIN2 : $3.2 \pm 2V$ (A-Board) 17. IC1412 PIN4 : $2.5 \pm 0.25V$ (A-Board)

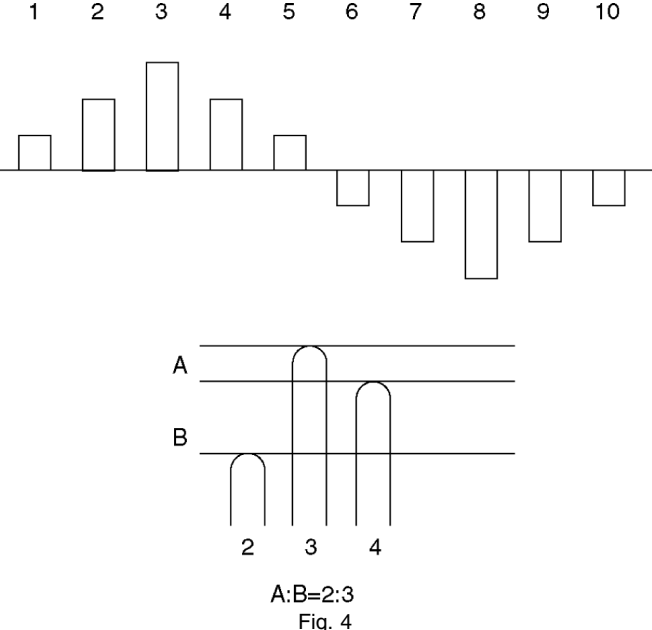
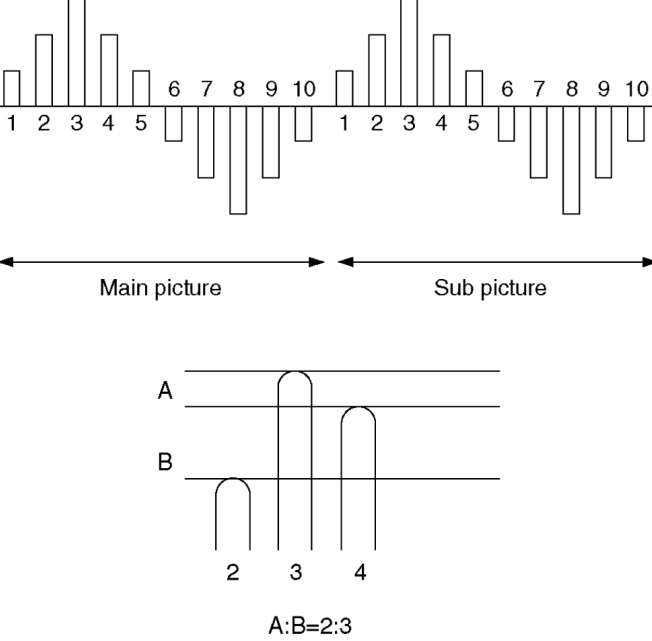
4.2. E.H.T Check

Item/Preparation	Adjustment Procedure
1. Receive an RF signal, window or crosshatch pattern. 2. Set the Brightness and Contrast to minimum (0 Beam) 3. Connect the High Voltage Voltmeter to the CRT ANODE CAP. 4. The set should be switched to AV (no input) contrast and brightness minimum.	1. Check the EHT voltage is (31.4 ± 1.0) kV. 2. Switch from AV mode to TV. 3. With the Brightness and the contrast controls MAX, check that the high voltage does not drop more than 3.0 kV from the above measurement with R.F. signal.

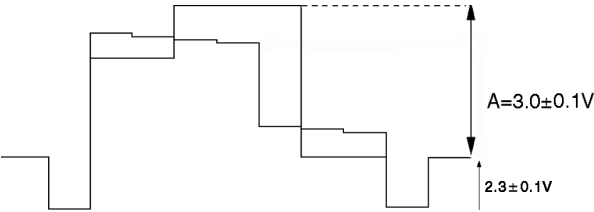
4.3. Sub Contrast

Item/Preparation	Adjustment Procedure
1. Receive PAL colour bar pattern 2. Connect oscilloscope to TPL 2 (Green) 3. Set controls: BRT.....CENTER COLOUR.....CENTER CONTRAST....MAX AI.....OFF	1. Adjust Sub Contrast (Service 1) : $A=2.3 \sim 3.0 \pm 0.1V$  <p style="text-align: center;">Fig. 2</p> 2. Adjust Video gain 2 (Service 1) so that Sub picture level B becomes as same as Main picture level A.  <p style="text-align: center;">Fig. 3</p>

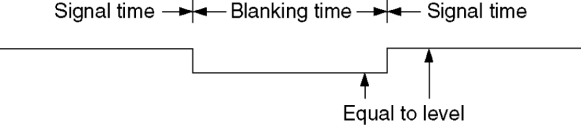
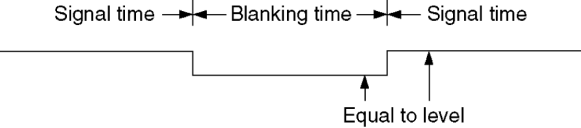
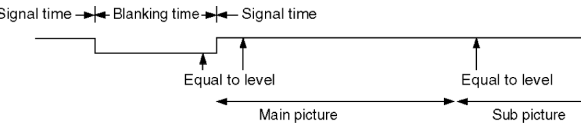
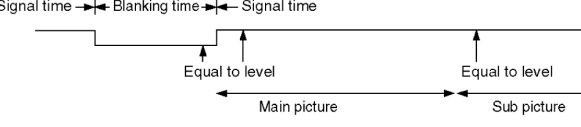
4.4. Sub Tint

Item/Preparation	Adjustment Procedure
<p>1. Receive a 3.58 MHz NTSC rainbow pattern</p> <p>2. Connect oscilloscope to TPL 1</p> <p>3. Set controls: BRT.....CENTER COLOUR.....CENTER CONTRAST...MAX NTSC TINT.....CENTER AI.....OFF</p>	<p>1. Adjust Sub NTSC Tint so that the peak of level of waveform is similar to Fig. 4</p>  <p>2. Receive the Rainbow pattern (3.58 MHz NTSC) on both of Main and Sub pictures.</p> <p>3. Adjust Sub NTSC Tint 2 so that the peak of level of waveform is similar to Fig. 5</p> 

4.5. Sub Colour

Item/Preparation	Adjustment Procedure
1. Receive a 3.58 MHz NTSC rainbow pattern 2. Connect oscilloscope to TPL 2 (Green) 3. Set controls: BRT.....CENTER COLOUR.....CENTER CONTRAST....MAX AI.....OFF	1. Adjust Sub Colour: $A=2.3 \sim 3.0 \pm 0.1V$  Fig. 6

4.6. Secam Black Level

Item/Preparation	Adjustment Procedure
1. Receive SECAM white pattern 2. Connect oscilloscope to TPL 1 3. Set controls: BRT.....CENTER COLOUR.....CENTER CONTRAST....MAX AI.....OFF	1. Adjust SECAM B-Y so that H-blanking time and colour center are equal level.  Fig. 7 2. Connect oscilloscope to A44 pin 41. 3. Adjust SECAM R-Y OUT so that H-blanking time and colour center are equal level.  Fig. 8 4. Connect oscilloscope to A44 pin 39. 5. Receive SECAM white pattern on both Main and Sub picture. 6. Adjust Sub SECAM B-Y so that H-blanking time and colour center are equal level.  Fig. 9 7. Connect oscilloscope to A44 pin 41. 8. Adjust Sub SECAM R-Y so that H-blanking time and colour center are equal level.  Fig. 10

4.7. VRS Adjustment

1. PREPARATION

- Set DY to CRT not to tilt up and down and left and right deflection. (Fig. 11)
- Set CY to CRT and set CY magnet primarily.
Pur Mg : Set Pur Mg that 2 magnets are vertical position.
VRS Mg : Set VRS Mg that 2 magnets are side position.
- Set geomagnetic correction DAC [0].

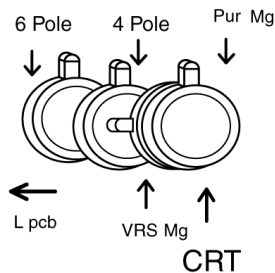


FIG. 11

2. ADJUSTMENT

- Receive the white balance pattern.
- Adjust V-CENTER.
- Set R,B CUT OFF to minimum (0), and set G CUT OFF to center.
- Receive the aging pattern.
- Set 2 magnet of vertical position to up and down equally so that center part of CRT. (Fig. 12)

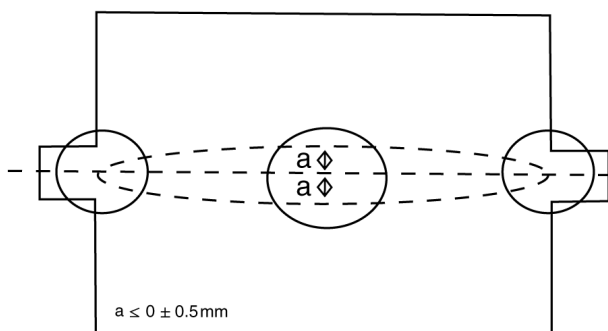
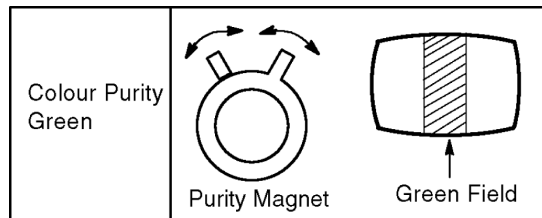


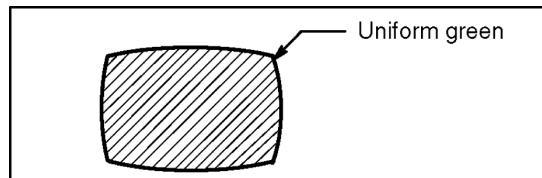
Fig. 12

4.8. Colour Purity

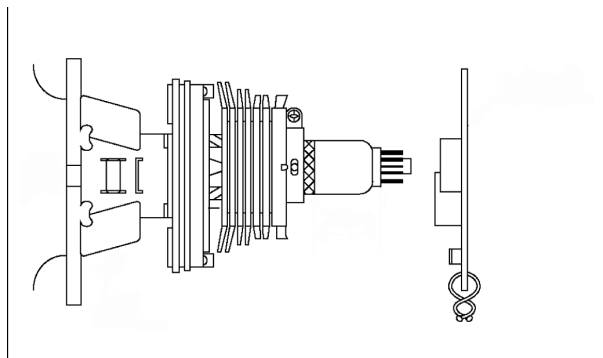
- Operate the TV set for over 60 minutes.
- Receive a purity pattern signal. (white pattern)
- Set Bright and Contrast controls to their maximum positions.
- Set V-POS to 128.
- Adjust roughly the static convergence magnets.
- Fully degauss the picture tube using an external degaussing coil.
- Loosen a clamp screw for the deflection yoke and move the deflection yoke as close to the purity magnet as possible.
- Adjust the purity magnet so that a vertical green field is obtained at the center of the screen.



- Slowly press the deflection yoke and set it where a uniform green field is obtained.



- Adjust roughly the Low Light controls and make sure that a uniform white field is obtained.
- Tighten the clamp screw.



4.9. Convergence

1. INSTRUMENT

- Helmholtz device

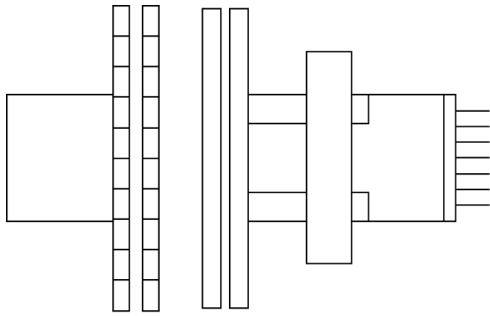
2. PREPARATION

- Set the Helmholtz device to local magnetic field.
Horizontal : $0 \pm 0.03 \times 10^{-4} \text{ T}$
- Receive the cross hatch pattern.
- Picture menu : DYNAMIC Normal and adjust BRIGHT DAC until gray portion of cross hatch.
- Set DY to CRT not to tilt (up and down and left and right).

3. ADJUSTMENT

- Static convergence Adjustment
 - Make sure that magnets are positioned shown in Fig. 13.
 - Adjust 4-pole magnets (Fig. 13) to align center dots of R and B and adjust 6-pole magnets to align center dots to G.
 - After adjustment, secure magnets with magnet lock of white lacquer.
*Beams move with rotating when static magnets are turned.
Rotational reduce of beams differs by angle of two magnets.
Therefore, repeat magnet adjustments several times

so that all are aligned completely.



6-pole Mg (G-R, B)

4-pole Mg (G-3)

Fig. 13

b. YHC, YV, XV, Adjustment (Fig. 14)

a. Adjust so that Static and Dynamic convergence is best with YHC, VR, YV and XV coil.

In case of static convergence is tilted, repeat (1) Static convergence Adjustment.

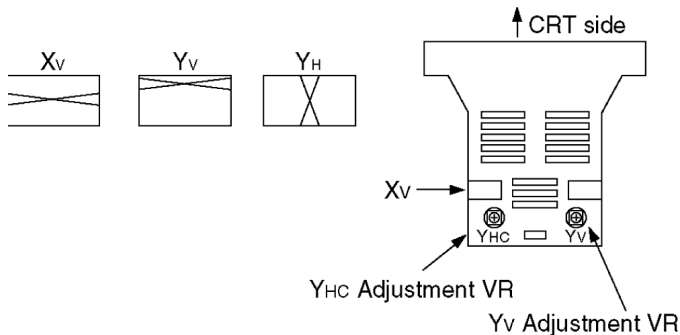


Fig. 14

c. Dynamic convergence Adjustment

a. When dynamic convergence is bad, fixing permalloy between neck and DY so that dynamic convergence is best.

4. Confirm that left upper side line is straight.

When left upper side line isn't straight, put magnet on DY and adjust the left upper side line to straight.

4.10. Cut Off

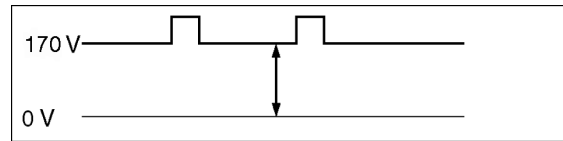
Preparation

1. Receive a colour bar signal with colour "OFF", and operate the TV set more than 15 minutes.
2. Set the picture menu to "DYNAMIC NORMAL" and the AI to off.
3. Connect an oscilloscope to TPL7 with DC mode.
4. Set the TV set to Service Mode 1.
5. Screen VR : Min.
6. Set the data level of SUB BRIGHT, R, G, B-CUTOFF and R, G, B-DRIVE to the table values.

Display	Date Level
R High (R-CUT OFF)	128
G High (G-CUT OFF)	128
B High (B-CUT OFF)	128
R Low (R-DRIVE)	175
G Low (G-DRIVE)	175
B Low (B-DRIVE)	175
SUB BRIGHT	128

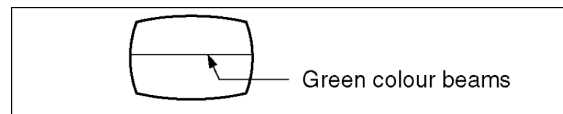
Adjustment

1. Select G-CUTOFF adjustment mode and collapse vertical scan.
2. Adjust G-CUTOFF control to become the DC=0V to video level at 180V as shown below.

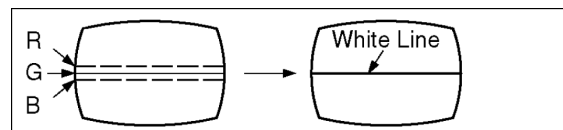


3. Slowly turn the screen control clockwise until a green colour horizontal line appears on the picture tube. This is the setting point for the screen control.

Note that do not adjust the G-CUTOFF setting in the following procedure.



4. Adjust the remained R and B-CUTOFF controls so as to get a white horizontal line on the screen.



5. Return to full field SCAN by pushing the position 5 key on the remote control.
6. Adjust the R-Drive and B-Drive controls as to obtain uniform white on the white bar of the greyscale pattern.
7. Confirm correct B/W rendition and greyscale tracking or repeat CUTOFF and drive control setup.

Note:

Write down the original value for each address adjustment before adjusting anything.

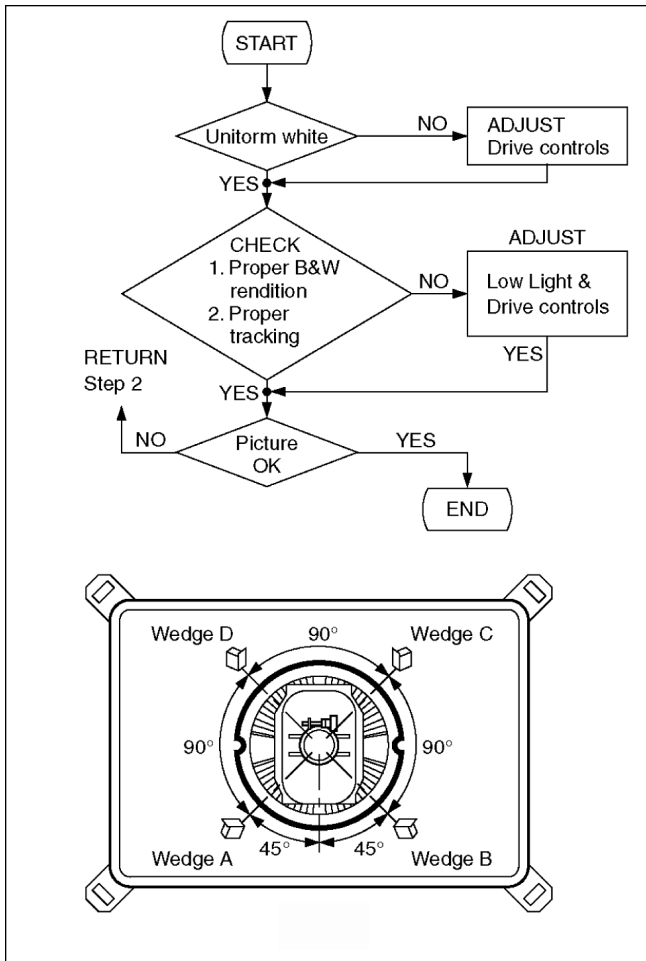


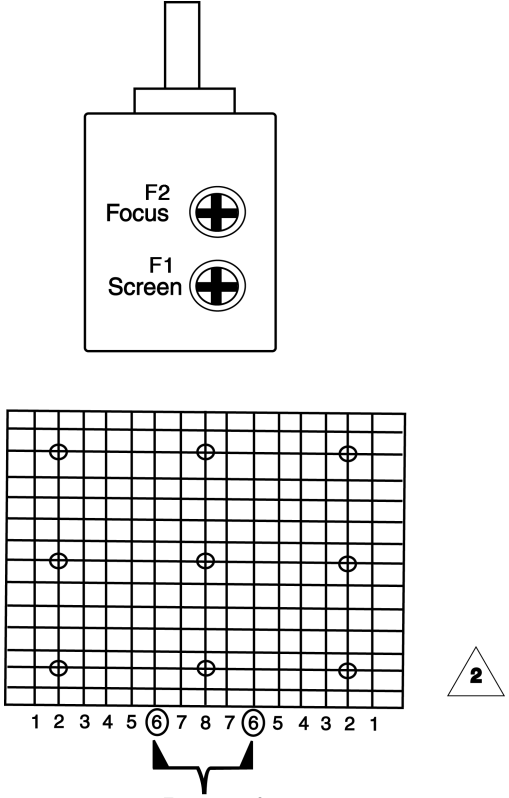
FIG. 15

8. Wedge A shown in Fig. 15 should be fixed within a range of 45° to the left of the vertical line as shown.
9. After inserting wedge A, insert wedges B, C and D. The wedges should be set 90° apart from each other.
10. Be certain that the four wedges are firmly fixed and the deflection yoke is tightly clamped in place otherwise the deflection yoke may shift its position and cause a loss of convergence and purity.

4.11. White Balance

Item/Preparation	Adjustment Procedure
<ol style="list-style-type: none"> 1. Select Service Mode 1. 2. Aging should have been performed over 30 minutes 3. Receive the white balance pattern. 4. Picture menu : DYNAMIC NORMAL AI : OFF 5. Degauss the CRT face. 6. Connect the photo sensors of the Colour Analyser to the CRT. Note: CRT cut off adjustment is completed. 	<ol style="list-style-type: none"> 1. Adjustment of Low Light <ol style="list-style-type: none"> a. Adjustment SUB BRIGHT, so that "Y" axis indicates 6.5 b. Adjustment R-CUT OFF, so that y axis indicates 0.267 ± 0.010 c. Adjustment B-CUT OFF, so that x axis indicates 0.255 ± 0.010 2. Adjustment of High Light <ol style="list-style-type: none"> a. Adjust SUB BRIGHT, so that "Y" axis indicates 150. b. Adjust R-DRIVE, so that y axis indicates 0.272 ± 0.010 c. Adjust B-DRIVE, so that x axis indicates 0.267 ± 0.010

4.12. Focus

Item/Preparation	Adjustment Procedure
<ol style="list-style-type: none"> 1. Receive a cross-hatch pattern signal or Monoscope pattern. 2. Select 4.3 Mode 3. Set the brightness to centre (50%) and contrast (80%) 	<ol style="list-style-type: none"> 1. Adjust the Focus to thin all the Lines by Focus 1 Control. (Prefer to thin the Vertical Lines than Horizontal Line.)  <p>The diagram shows a control panel with two buttons: 'F2 Focus' and 'F1 Screen', each with a plus sign in a circle. Below the panel is a grid pattern with a '2' in a triangle. The grid has 10 columns and 10 rows. The columns are numbered 1 to 10 from left to right, with the 6th and 7th columns circled. A bracket below the grid indicates '29P800 series only'.</p>

4.13. Geomagnetic

Item/Preparation	Adjustment Procedure
<ol style="list-style-type: none"> 1. Demagnetize the GM-Board around its perimeter with the Demagnetizer. 2. Set to control: Geomagnetic.....Auto 	<ol style="list-style-type: none"> 1. Connect a DC voltage meter to TPGM1-2pin (GM-Board) 2. Adjust the R4863 (GM-Board) so that the Vx Out at TPGM1-2pin becomes 4.9 ± 0.05 V 3. Connect a DC voltage meter to TPGM1-1pin (GM Board). 4. Adjust the R4861 (GM-Board) so that the Vy Out at TPGM1-1pin becomes 4.9 ± 0.05 V

4.14. Sub Bright

Item/Preparation	Adjustment Procedure
<ol style="list-style-type: none"> 1. Receive the sub bright pattern. 2. Picture Menu: BRT.....CENTER COLOUR.....CENTER CONT.....MAX 3. Connect the photo sensor of the Colour Analyser to the center of the CRT. 	<ol style="list-style-type: none"> 1. Adjust Sub Bright so that brightness level becomes 1 ± 0.2 cd/m².

5 DEFLECTION ADJUSTMENT

5.1. V-Adjustment/Confirmation (4:3 Mode)

5.1.1. V-HOLD CONFIRMATION

1. Receive PAL monoscope pattern (E10) (UTF:E-5)
(Middle and south america model:Colour dac=0)
2. Set scan mode to 100Hz by remote control.
3. Set aspect to 4:3
4. Confirm that V-hold is normal
5. Set the fix data in the table 1.

5.1.2. V-CENTER ADJUSTMENT (4:3 MODE)

5.1.2.1. 75iV-POS ADJUSTMENT

1. Receive PAL monoscope pattern (UTF:E-5)
(Middle and south america model:Colour dac=0)
2. Set scan mode to 75/8331 by remote control key.
3. Adjust V-POS (75i / 4:3) so that the scale of the top and bottom side is equal.

5.1.2.2. 100i V-POS ADJUSTMENT

1. Receive PAL monoscope pattern (E10) (UTF:E-5)
(Middle and south america model:Colour dac=0)
2. Set scan mode to 100Hz by remote control key.
3. Adjust V-POS (100i / 4:3) so that the scale of the top and bottom side is equal.

5.1.2.3. 50p V-POS ADJUSTMENT

1. Receive PAL monoscope pattern (E10) (UTF:E-5)
(Middle and south america model:Colour dac=0)
2. Set scan mode to progressive by remote control key.
3. Adjust V-POS (50p / 4:3) so that the scale of the top and bottom side is equal.

5.1.2.4. 60p V-POS ADJUSTMENT

1. Receive NTSC monoscope pattern (J11) (UTF:JA-9)
2. Adjust V-POS (60p / 4:3) so that the scale of the top and bottom side is equal.

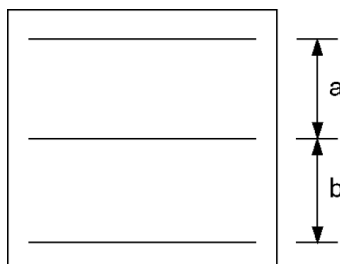


Fig. 16

5.1.3. V-HEIGHT ADJUSTMENT (4:3 MODE)

5.1.3.1. 75i V-AMP ADJUSTMENT

1. Receive PAL monoscope pattern (E10) (UTF:E-5)
2. Set scan mode to 75/8331 Hz by remote control key.
3. Adjust V-AMP (75i / 4:3) so that B, D (Fig. 17) is 2.1 ± 0.1 .

5.1.3.2. 100i V-AMP ADJUSTMENT

1. Receive PAL monoscope pattern (E10) (UTF:E-5)
(Middle and south america model:Colour dac=0)

2. Set scan mode to 100 Hz by remote control key.
3. Adjust V-AMP (100i / 4:3) so that B, D (Fig. 17) is 2.1 ± 0.1 .

5.1.3.3. 50p V-AMP ADJUSTMENT

1. Receive PAL monoscope pattern (E10) (UTF:E-5)
(Middle and south america model: Colour dac=0)
2. Set scan mode to progressive by remote control key.
3. Adjust V-AMP (50p / 4:3) so that B, D (Fig. 17) is 2.1 ± 0.1 .

5.1.3.4. 60p V-AMP ADJUSTMENT

1. Receive NTSC monoscope pattern (J11) (UTF:JA-9)
2. Adjust V-AMP (60P / 4:3) so that B, D (Fig. 19) is 1 ± 0.1 .

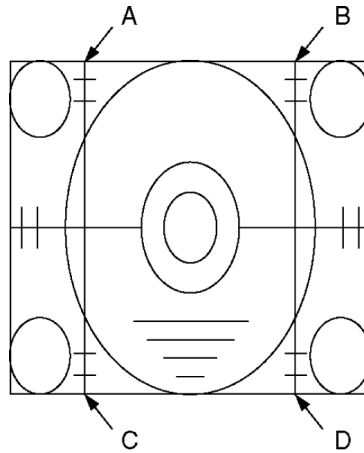


Fig. 17

5.2. H-Deflection Confirmation/Adjustment (4:3 Mode)

5.2.1. H-HOLD CONFIRMATION

1. Receive PAL monoscope pattern (E10) (UTF:E-5)
(Middle and south america model : Colour dac=0)
2. Set scan mode to 75/8331 by remote control key.
3. Set aspect to 4:3.
4. Confirm that H-hold is normal.

5.2.2. H-CENTER ADJUSTMENT (4:3 MODE)

5.2.2.1. 75i H-POS ADJUSTMENT

1. Receive PAL monoscope pattern (E10) (UTF:E-5) (If no burst signal : Set to force PAL)
(Middle and south america model : Colour dac=0)
2. Set scan mode to 75/8331 by remote control key.
3. Adjust H-POS (75i / 4:3) so that the horizontal position is center of CRT.

5.2.2.2. 60p H-POS ADJUSTMENT

1. Receive NTSC monoscope pattern (J11) (UTF:JA-9) (If no burst signal:Set to force NTSC)
2. Adjust H-POS (60p/ 4:3) so that the horizontal position is center of CRT.

5.2.3. H-WIDTH ADJUSTMENT (4:3 MODE)

5.2.3.1. 75i H-AMP ADJUSTMENT

1. Receive PAL monoscope pattern (E10) (UTF:E-5) (If no burst signal : Set to force PAL)
2. Set scan mode to 75/8331 by remote control key.
3. Adjust H-AMP (100i / 4:3) so that both of the edges are within A, $B=2.5 \pm 0.2$.

5.2.3.2. 60p H-AMP ADJUSTMENT

1. Receive NTSC monoscope pattern (J11) (UTF:JA-9) (If no burst signal : Set to force NTSC)
2. Adjust H-AMP (60p / 4:3) so that both of the edges are within A, $B=2.5 \pm 0.2$.

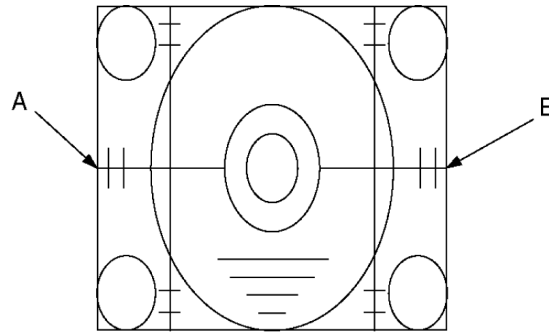


Fig. 18

5.3. Pincushion Adjustment/Confirmation (4:3 Mode)

5.3.1. 75i SIDE PINCUSHION ADJUSTMENT (4:3 MODE)

1. Receive PAL cross-hatch pattern (E-5) (UTF:E-21)
(Middle and south America/Philippine model (UTF:E-4))
2. Set scan mode to 75/8331 by remote control key.
3. Adjust Trapezoid (75i/4:3) and Parabola (75i/4:3) to make straight vertical line at both side.
4. Confirm there is no H-parallel distortion.
In case of distortion is visible, adjust H-Parallel (75i/4:3) to make vertical line has no tilt at centre.
Repeat 3) so that there is no Trapezoid/H-Parallel distortion.
5. Confirm the vertical pincushion at top/bottom corner.
In case of distortion is visible, adjust Top-Corner (75i / 4:3) and or Bottom Corner (75i / 4:3).
6. Confirm bow level at centre of vertical line.
If the vertical line at centre is curved, adjust C-Correct (75i / 4:3) and repeat from 3)

5.3.2. 100i SIDE PINCUSHION ADJUSTMENT (4:3 MODE)

1. Receive PAL crosshatch pattern (E-5) (UTF:E-21)
(Middle and south America/Philippine model (UTF:E-4))
2. Set scan mode to 100 Hz by remote control key.
3. Adjust Trapezoid (100i/4:3) and Parabola (100i/4:3) to make straight vertical line at both side.
4. Confirm there is no H-parallel distortion.
In case of distortion is visible, adjust H-Parallel (100i/4:3) to make vertical line has no tilt at centre.
Repeat 3) so that there is no Trapezoid/H-Parallel distortion
5. Confirm the vertical pincushion at top/bottom corner.
In case of distortion is visible, adjust Top-Corner (100i/4:3) and or Bottom-Corner (100i/4:3)
6. Confirm bow level at centre of vertical line.
If the vertical line at centre is curved, adjust C-Correct (100i/4:3) and repeat from 3).

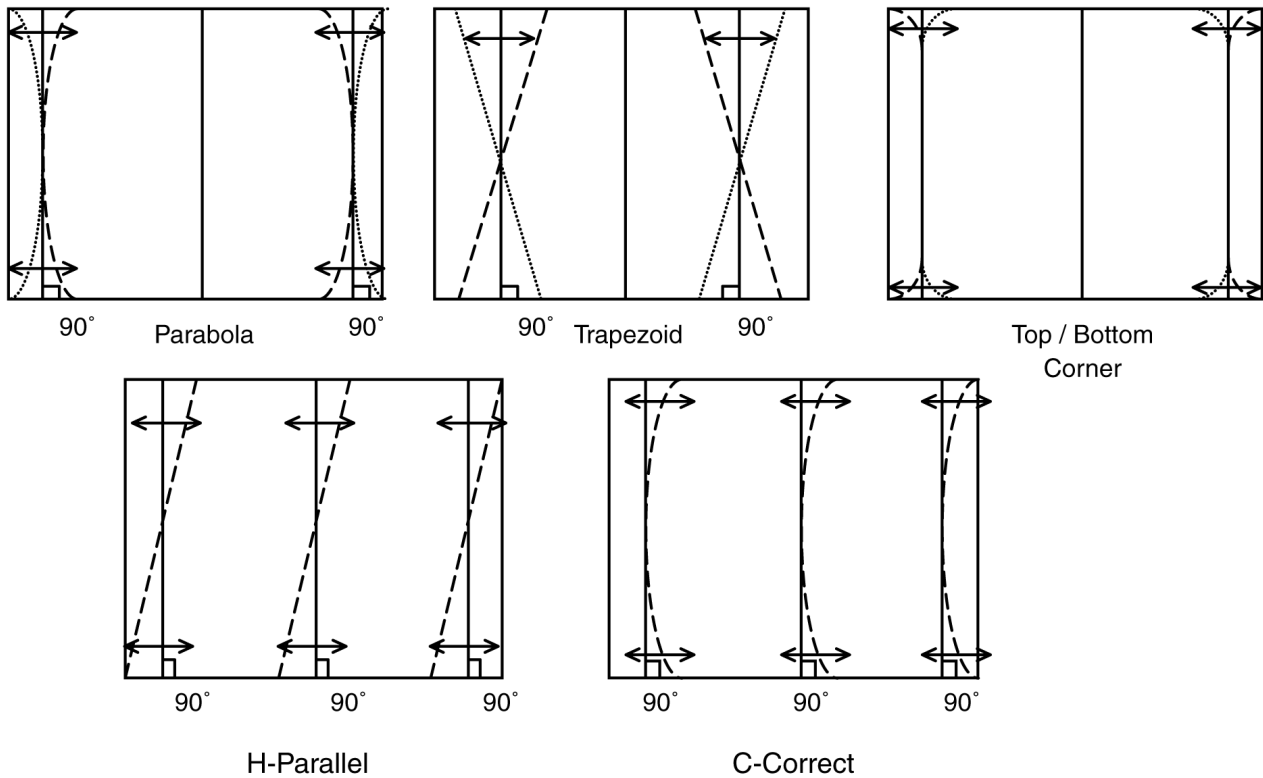


Fig. 19

5.3.3. 50p SIDE PINCUSHION ADJUSTMENT (4:3 MODE)

1. Receive PAL crosshatch pattern (E-5) (UTF:E-21)
(Middle and south America/Philippine model (UTF:E-4))
2. Set scan mode to Progressive scan by remote control key.
3. Adjust Trapezoid (50p / 4:3) and Parabola (50p / 4:3) to make straight vertical line at both side.
4. Confirm there is no H-parallel distortion.
In case of distortion is visible, adjust H-Parallel (50p / 4:3) to make vertical line has no tilt at centre.
Repeat 3) so that there is no Trapezoid/H-Parallel distortion.
5. Confirm the vertical pincushion at top/bottom corner.
In case of distortion is visible, adjust Top-Corner (50p / 4:3) and / or Bottom-Corner (50p / 4:3)
6. Confirm bow level at centre of vertical line.
If the vertical line at centre is curved, adjust C-Correct (50p / 4:3) and repeat from 3)

5.3.4. 60p SIDE PINCUSHION ADJUSTMENT (4:3 MODE)

1. Receive NTSC crosshatch pattern (JA-7) (UTF:E-21)
(Middle and south America/Philippine model (UTF:JA-7)) (E-5)
2. Adjust Trapezoid (60p / 4:3) and Parabola (60p/4:3) to make straight vertical line at both side.
3. Confirm there is no H-parallel distortion.
In case of distortion is visible, adjust H-Parallel (60p / 4:3) to make vertical line has no tilt at centre.
Repeat 2) so that there is no Trapezoid/H-Parallel distortion.
4. Confirm the vertical pincushion at top/bottom corner.
In case of distortion is visible, adjust Top-Corner (60p / 4:3) and / or Bottom-Corner (60p / 4:3)
5. Confirm bow level at centre of vertical line.
If the vertical line at centre is curved, adjust C-Correct (60p / 4:3) and repeat from 2)

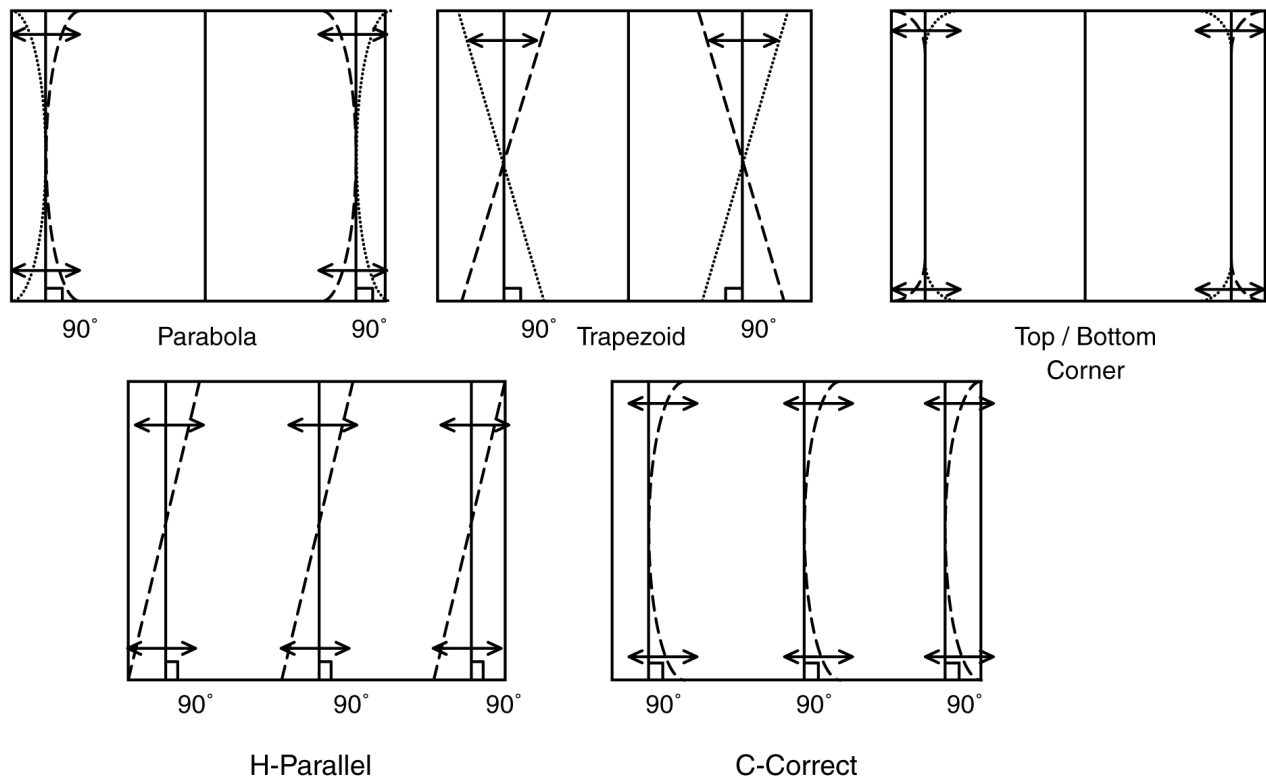


Fig. 20

5.4. V Liniality Adjustment/Confirmation (4:3 Mode)

5.4.1. 75i V-Linear Adjustment

1. Receive PAL monoscope pattern (E10) (UTF:E-5)
(Middle and south america model : Colour dac=0)
2. Set scan mode to 75/8331 by remote control key.
3. Confirm V-linear (75i / 4:3) as to the balance of circle.
If need, adjust V-linear (75i / 4:3).

5.4.2. 100i V-Linear Adjustment

1. Receive PAL monoscope pattern (E10) (UTF:E-5)
(Middle and south america model : Colour dac=0)
2. Set scan mode to 100 Hz by remote control key.
3. Confirm V-linear (100i / 4:3) as to the balance of circle.
If need, adjust V-linear (100i / 4:3).

5.4.3. 50p V-Linear Adjustment

1. Receive PAL monoscope pattern (E10) (UTF : E-5)
(Middle and south america : Colour dac=0)
2. Set scan mode to progressive by remote control key.
3. Confirm V-linear (50p / 4:3) as to the balance of circle.
If need, adjust V-linear (50p / 4:3).

5.4.4. 60p V-Linear Adjustment

1. Receive NTSC monoscope pattern (J11) (UTF:JA-9)
(Middle and south america model:Colour dac
2. Confirm V-linear (60p / 4:3) as to the balance of circle.
If need, adjust V-linear (60p / 4:3).

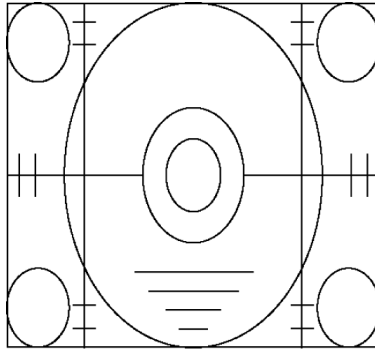


Fig. 21

5.5. Deflection (16:9 Mode) Adjustment/Confirmation

5.5.1. DATA SETTING (16:9)

1. Copy the adjusted data of 100i/4:3 mode to 100i/16:9 in the table. 1 (Except V-S-Correct)
2. Copy the adjusted data of 75i / 4:3 mode to 75i / 16:9 in the table 1 (Except V-S-Correct).
3. Copy the adjusted data of 50p(625p) / 4:3 mode to 50p(625p) / 16:9 in the table 1 (Except Except V-S-Correct)
4. Copy the adjusted data of 60p(525p,SD) / 4:3 mode to 60p(525p,SD) / 16:9 in the table 1 (Except V-S-Correct)

5.5.2. V-CENTER, V-HEIGHT, V-LINEAR(16:9) ADJUSTMENT

1. Receive PAL monoscope pattern (E10) (UTF:E-5) (If no burst signal: Set to force PAL)
(Middle and south america model : Colour dac=0)
2. Set the aspect to 16:9 by remote control key.
3. Set scan mode to 100 Hz by remote key.
4. Adjust V-POS (100i/16:9) so that the scale of the top and bottomside is equal
5. Confirm that A, B in Fig. 22 is *1, if not, adjust V-AMP (AMP(100i/16:9)

*1

29" 5.0cm \pm 1cm34" 6.0cm \pm 1cm

6. Confirm V-Linear (100i/16:9) as to the balance of circle.
If need, adjust V-Linear (100i/16:9)
7. Set scan mode to 75/8331 by remote control key.
8. Adjust and confirm as same above 4) - 6) by V-POS(75i/16:9), V-AMP(75i/16:9) and V-Linear(75i/16:9)
9. Set scan mode to progressive by remote control key.
10. Adjust and confirm as same above 4) - 6) by V-POS(50p(625p), V-AMP(50p(625p)/16:9) and V-Linear(50p(625p)/16:9)
11. Receive NTSC monoscope pattern (J11) (UTF:JA-9)
12. Adjust and confirm as same above 4) - 6) by V-POS(60p(525p,SD)/16:9, V-AMP(60p(525p,SD)/16:9) and V-Linear(60p(525p,SD)/16:9). Set scan mode to Progressive by remote control key.

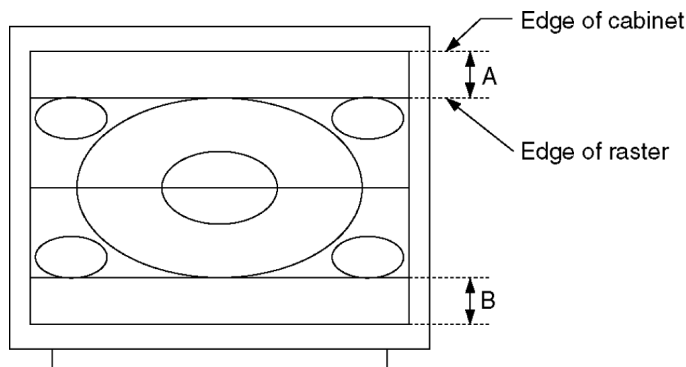


Fig. 22

5.6. Deflection (16:9Mode) Adjustment/Confirmation

5.6.1. 100i SIDE PINCUSHION ADJUSTMENT (16:9 MODE)

1. Receive PAL crosstatch pattern (E-5) (UTF:E-21)
(Middle and south America/Philippine model (UTF:E-4))
2. Set the aspect to 16:9 by remote control key.
3. Set scan mode to 100Hz by remote control key.
4. Adjust Trapezoid (100i / 16:9) and Parabola (100i / 16:9) to make straight vertical at both side.
5. Confirm there is no H-Parallel distortion.
In case of distortion is visible, adjust H-Parallel (100i/16:9) to make vertical line has no tilt at centre.
Repeat 4) so that there is no Trapezoid/H-Parallel distortion.
6. Confirm the vertical pincushion at top/bottom corner.
In case of distortion is visible, adjust Top-Corner (100i / 16:9) and/or bottom corner (100i / 16:9).
7. Confirm bow level at centre of vertical line.
If the vertical line at centre is curved, adjust C-Correct (100i / 16:9) and repeat from 4)

5.6.2. 75i SIDE PINCUSHION ADJUSTMENT (16:9 MODE)

1. Set scan mode to 75 / 8331 by remote control key.
2. Adjust Trapezoid (75i / 16:9) and Parabola (75i / 16:9) to make straight vertical line at both side.
3. Confirm there is no H-parallel distortion.
In case of distortion is visible, adjust H-Parallel (75i/16:9) to make vertical line has no tilt at centre.
Repeat 3) so that there is no Trapezoid/H-Parallel distortion.
4. Confirm the vertical pincushion at top/bottom corner.
In case of distortion is visible, adjust Top-Corner(75i / 16:9)
5. Confirm bow level at centre of vertical line.
If the vertical line at centre is curved, adjust C-Correct (75i / 16:9) and repeat from 3)

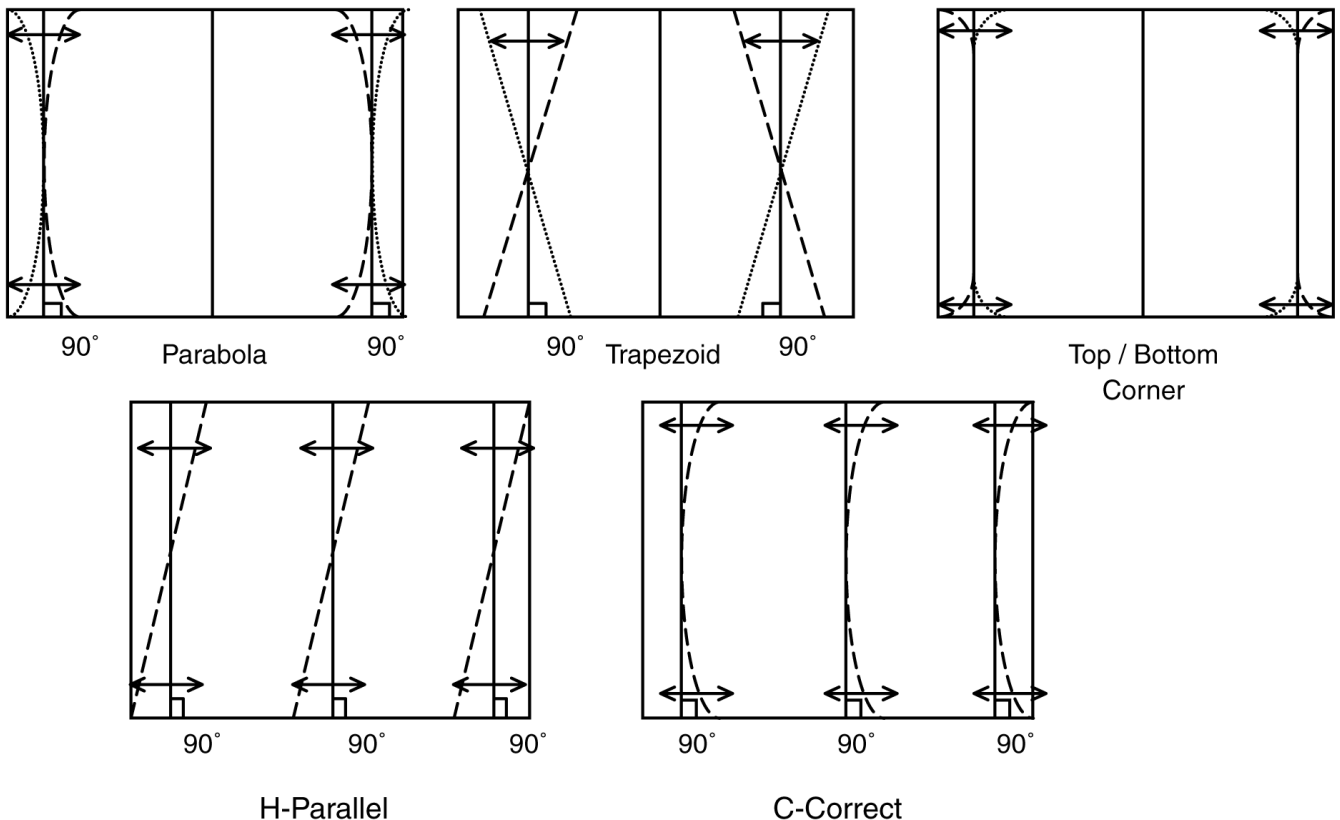


Fig. 23

5.6.3. 50p SIDE PINCUSHION ADJUSTMENT (16:9 MODE)

1. Set scan mode to Progressive by remote control key.
2. Adjust Trapezoid (50p(625p)/16:9) and Parabola (50p(625p)/16:9) and Parabola (75i/16:9) to make straight vertical line at both side.
3. Confirm there is no H-parallel distortion.
In case of distortion is visible, adjust H-Parallel (50p(625p)/16:9) to make vertical line has no tilt at centre.
Repeat 3) so that there is no Trapezoid/H-Parallel distortion.
4. Confirm the vertical pincushion at top/bottom corner.
In case of distortion is visible, adjust Top-Corner(50p(625p)/16:9) and/or Bottom-Corner (50p(625p)/16:9).
5. Confirm bow level at centre of vertical line.
If the vertical line at centre is curved, adjust C-Correct (50p(625p)/16:9) and repeat from 3)

5.6.4. 60p SIDE PINCUSHION ADJUSTMENT (16:9 MODE)

1. Receive NTSC crosshatch pattern (JA-7) (UTF:E-21)
(Middle and south America/Philippine model (UTF:JA-7)) (E-5)
2. Set the aspect to 16:9 by remote control key.
3. Adjust Trapezoid (60p(525p,SD)/16:9) and Parabola (60p(525p,SD)/16:9) to make straight vertical line at both side.
4. Confirm there is no H-parallel distortion.
In case of distortion is visible, adjust H-Parallel (60p(525p,SD)/16:9) to make vertical line has no tilt at centre.
Repeat 4) so that there is no Trapezoid/H-Parallel distortion.
5. Confirm the vertical pincushion at top/bottom corner.
In case of distortion is visible, adjust Top-Corner (60p(525p,SD)/16:9) and/or Bottom-Corner (60p(525p,SD)/16:9).
6. Confirm bow level at centre of vertical line.
If the vertical line at centre is curved, adjust C-Correct (60p(525p,SD)/16:9) and repeat from 4).

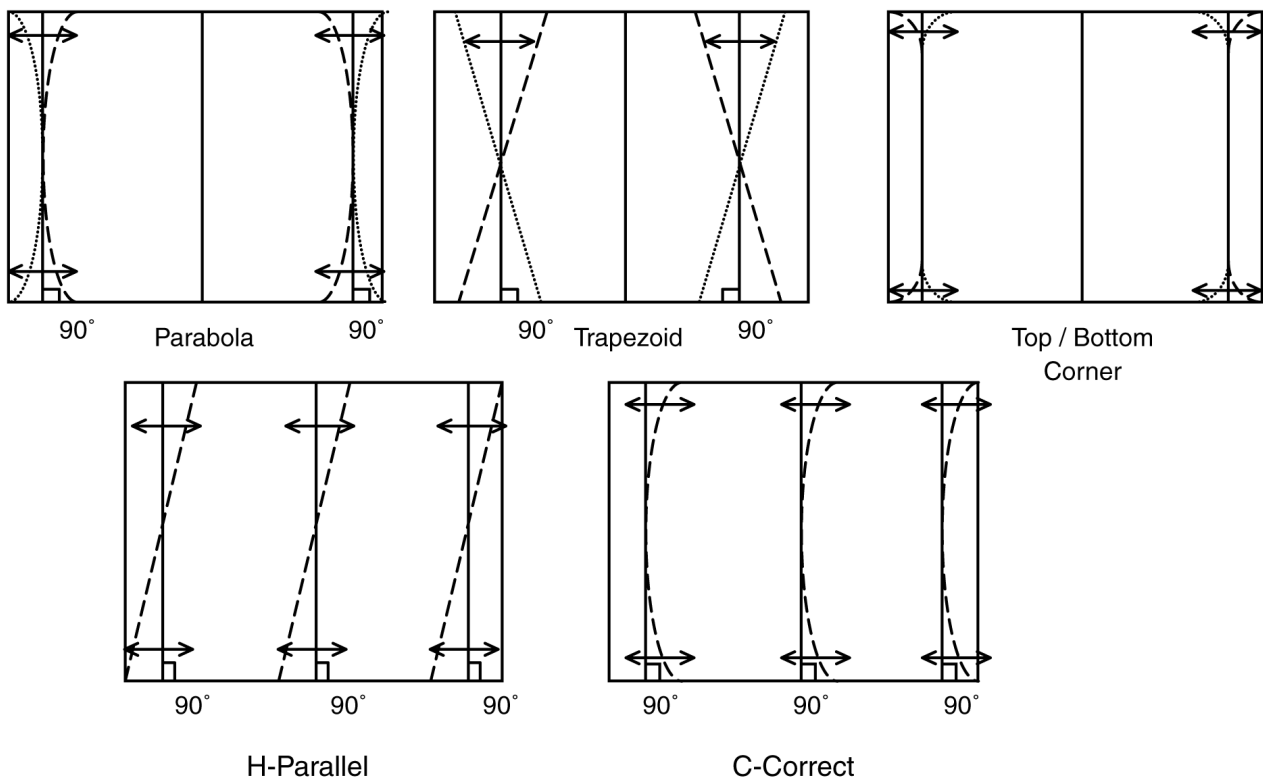


Fig. 24

5.7. 1125i / 50Hz Deflection Adjustment/Confirmation

5.7.1. V, H-HOLD CONFIRMATION

1. Receive ITE monoscope pattern at 1125i_50YUV input.

2. Confirm V, H-hold is normal.

5.7.2. V-CENTER ADJUSTMENT

1. Adjust V-POS(1125i_50) so that center of the ITE pattern is center of the CRT.

5.7.3. V-HEIGHT ADJUSTMENT

1. 4:3 MODELS

Adjust V-Amp(1125i_50) so that A,B in Fig 23. is *1.

*1

29" 5.5cm \pm 1cm

34" 7.0cm \pm 1cm

2. WIDE models

Adjust V-Amp(1125i_50) so that C=90 \pm 2.5(%) in the Fig.25

5.7.4. H-CENTER ADJUSTMENT

1. Adjust H-Pos(1125i_50) so that center of the ITE pattern is center of the CRT.

5.7.5. H-HEIGHT ADJUSTMENT

1. Adjust H-Amp(1125i_50) so that D=92.5 \pm 2.5(%) in the Fig.25

5.7.6. V-LINEARITY CONFIRMATION / ADJUSTMENT

1. Conform V-Linear as to the balance of the circle.

If need, adjust V-Linear(1125i_50)

5.7.7. SIDE PINCUSHION CONFIRMATION / ADJUSTMENT

1. Receive crosshatch pattern at 1125i_50YUV input.

2. Adjust the vertical line is straight line by Parabola(1125i_50)

3. Adjust the vertical line to straight line of bothside vertical line in Fig. 26 by Trapezoid(1125i_50)

4. Confirm there is no H-parallel distortion.

If there is distortion, adjust by H-Parallel(1125i_50)

In that case, repeat 3) and 4) so that there is no Trapezoid/H-Pararell distortion.

5. Confirm the vertical pincussion of the corner side.

In need, adjust Top-Corner (1125i_50) and Bottom-Corner (1125i_50)

6. Confirm bow level of the both side.

If the bow level of the both side is not symmetrical, adjust C-Correct(1125i_50)

5.7.8. CONFIRM R-Y-, B-Y SIGNAL

1. Receive colour bar pattern at 1125i_50YUV input.

2. Confirm colour is normal.

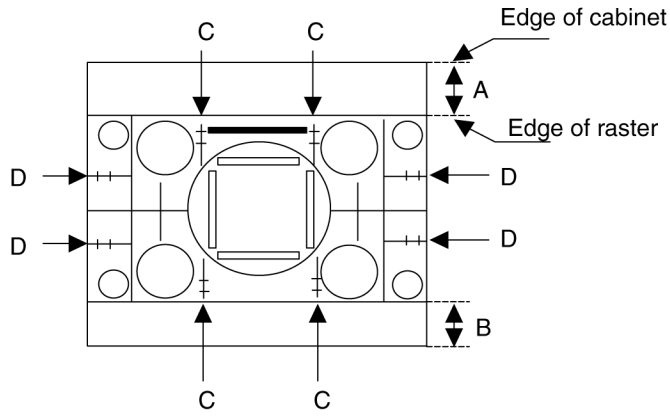


Fig 25

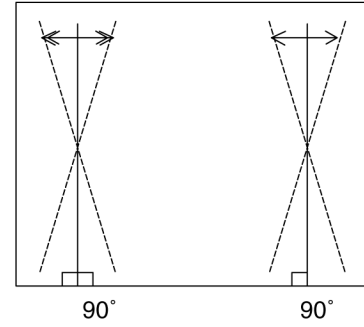


Fig 26

5.8. Table 1

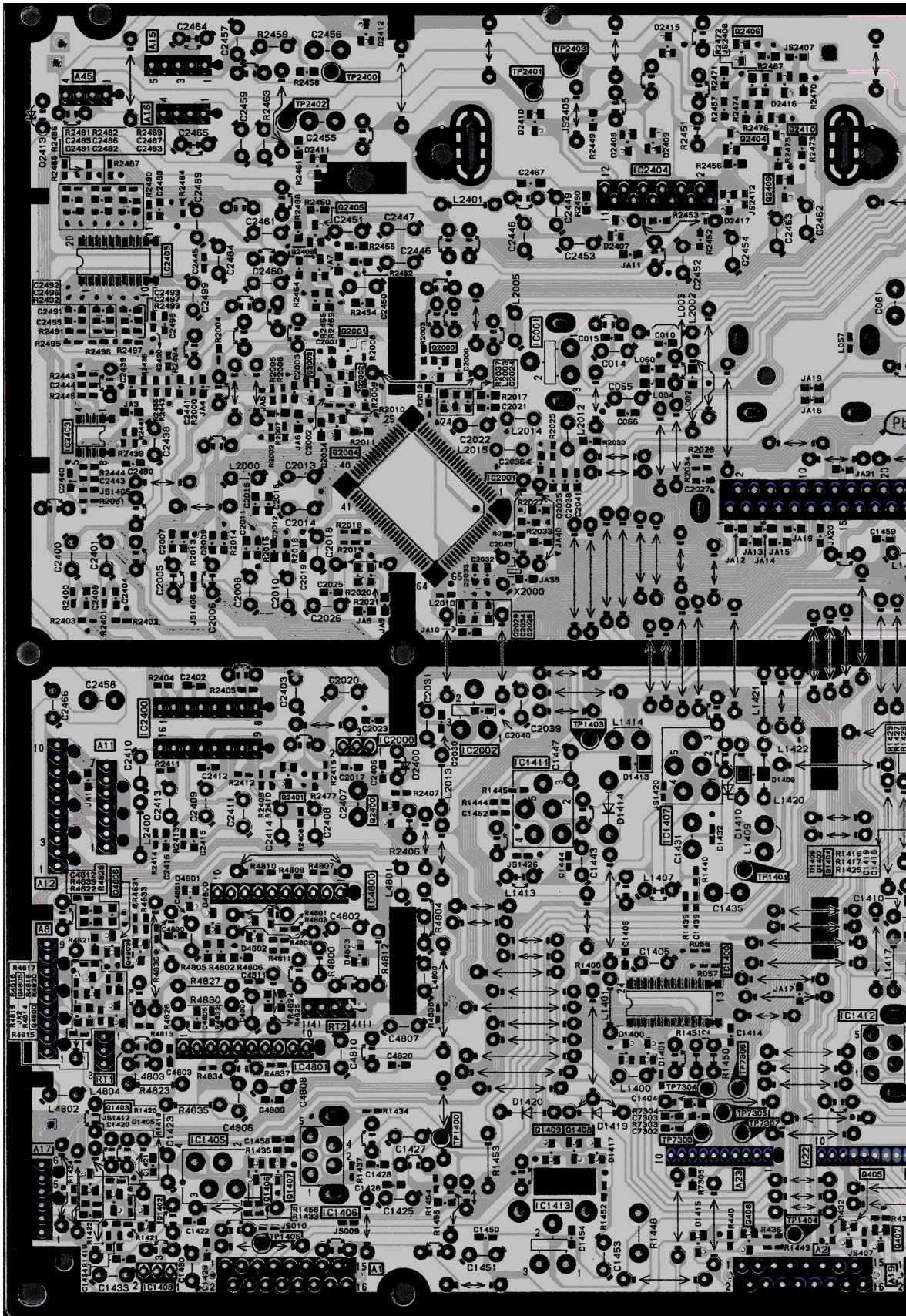
TABLE 1

MODE	SLV	SUB	100i		75i		50p/625p		60p/525p/SD		1125i/50	1125i/60
			FULL 4:3	16:9 comp	FULL 4:3	16:9 comp	FULL 4:3	16:9 comp	FULL 4:3	16:9 comp		
H-Pos	[DA]	[8B] 0-7 [89] 3-6	[316] [317]	Copy 4:3 [31E] [31F]	adj. value [316] [317]				adj. value [31C] [31D]		adj. value [33A] [33B]	adj. value [338] [339]
V-Pos	[D8]	[07]	adj. value [300]	adj. value [304]	adj. value [301]	adj. value [305]	adj. value [302]	adj. value [306]	adj. value [303]	adj. value [307]	adj. value [312]	adj. value [311]
H-Amp	[D8]	[B7] 0-7	[358]	Copy 4:3 [35C]	adj. value [358]				adj. value [35B]		adj. value [36A]	adj. value [369]
V-Amp	[D8]	[AE] 0-7	adj. value [342]	adj. value [346]	adj. value [343]	adj. value [347]	adj. value [344]	adj. value [348]	adj. value [345]	adj. value [349]	adj. value [354]	adj. value [353]
Parabola	[D8]	[B6] 0-7	adj. value [36E]	adj. value [372]	adj. value [36F]	adj. value [373]	adj. value [370]	adj. value [374]	adj. value [371]	adj. value [375]	adj. value [380]	adj. value [37F]
Trapezoid	[D8]	[B6] 0-7	adj. value [384]	copy 4:3 [388]	adj. value [385]	copy 4:3 [389]	adj. value [386]	copy 4:3 [38A]	adj. value [387]	copy 4:3 [38B]	adj. value [396]	adj. value [395]
H-Parallel	[D8]	[C6] 0-3	adj. value [24D]	copy 4:3 [251]	adj. value [24E]	copy 4:3 [252]	adj. value [24F]	copy 4:3 [253]	adj. value [250]	copy 4:3 [254]	adj. value [25F]	adj. value [25E]
V-Linear	[D8]	[B0] 0-7	adj. value [237]	adj. value [23B]	adj. value [238]	adj. value [23C]	adj. value [239]	adj. value [23D]	adj. value [23A]	adj. value [23E]	adj. value [249]	adj. value [248]
Top -Correct	[D8]	[BF] 0-7	adj. value [3B0]	adj. value [3B4]	adj. value [3B1]	adj. value [3B5]	adj. value [3B2]	adj. value [3B6]	adj. value [3B3]	adj. value [3B7]	adj. value [3C2]	adj. value [3C1]
Bottom Correct	[D8]	[BE] 0-7	adj. value [3C6]	adj. value [3CA]	adj. value [3C7]	adj. value [3CB]	adj. value [3C8]	adj. value [3CC]	adj. value [3C9]	adj. value [3CD]	adj. value [3D8]	adj. value [3D7]
V-S -Correct	[D8]	[AF] 0-7	fix.value [3DC] 3Ch*1	fix.value [3E0] 3Ch*1	fix.value [3DD] 3Ch*1	fix.value [3E1] 3Ch*1	fix.value [3DE] 3Ch*1	fix.value [3E2] 3Ch*1	fix.value [3DF] 3Ch*1	fix.value [3E3] 3Ch*1	fix.value [3EE] 5Fh*1	fix.value [3ED] 3Ch*1
C-Correct	[D8]	[C6] 4-7	adj. value [263]	copy 4:3 [267]	adj. value [264]	copy 4:3 [268]	adj. value [265]	copy 4:3 [269]	adj. value [266]	copy 4:3 [26A]	adj. value [275]	adj. value [274]

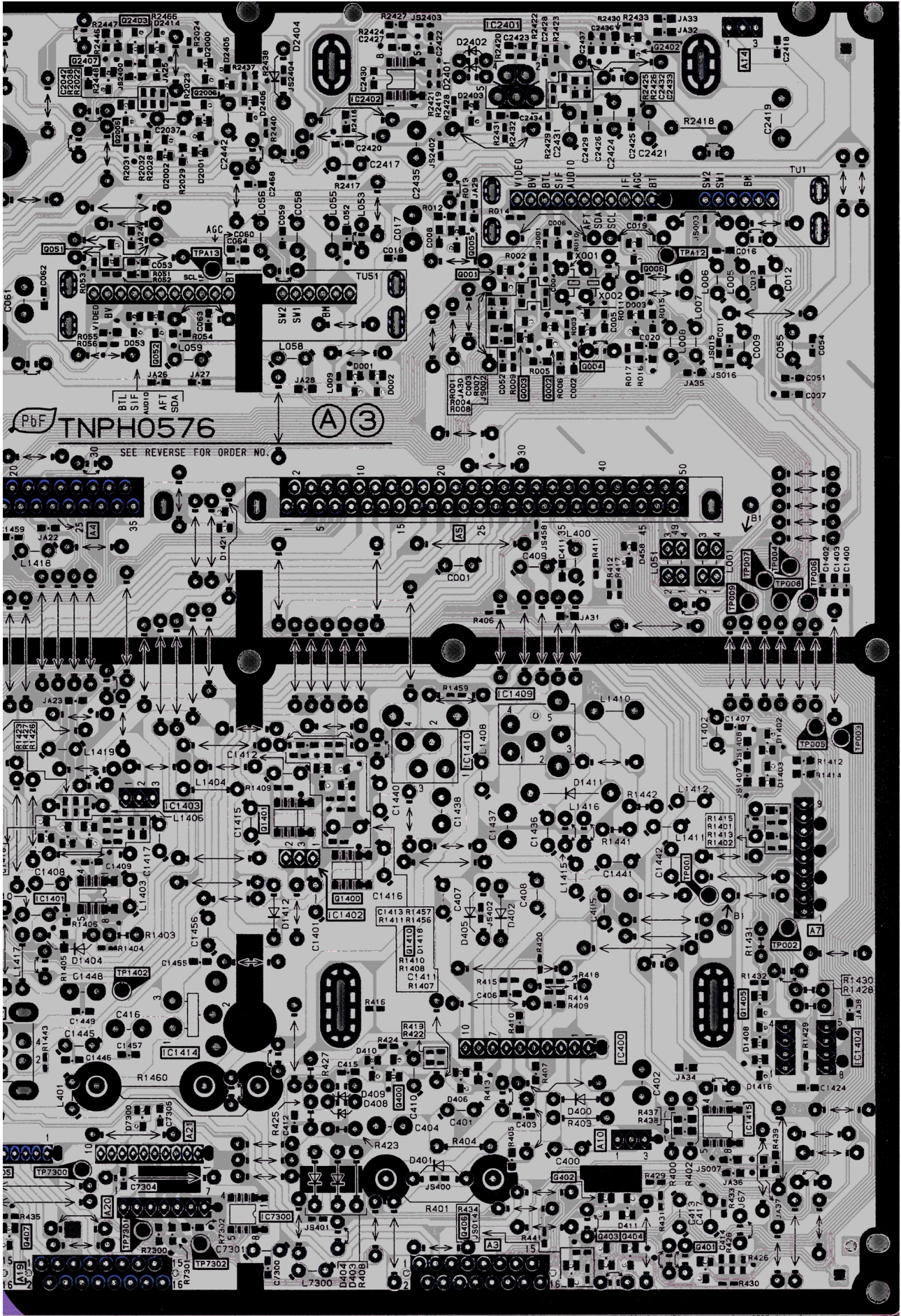
6 Conductor Views

6.1. A BOARD

6.1.1. A BOARD (A)

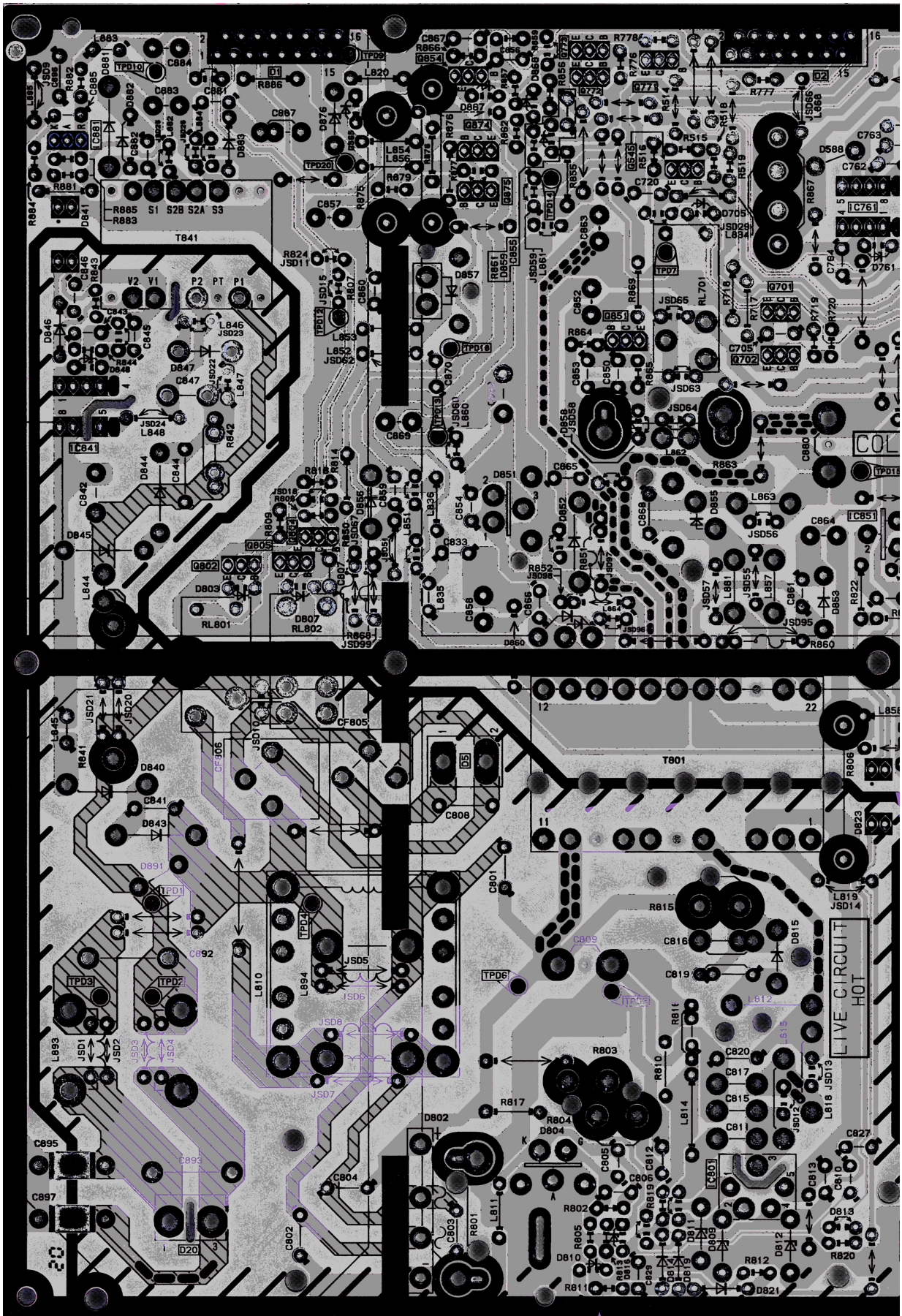


6.1.2. A BOARD (B)

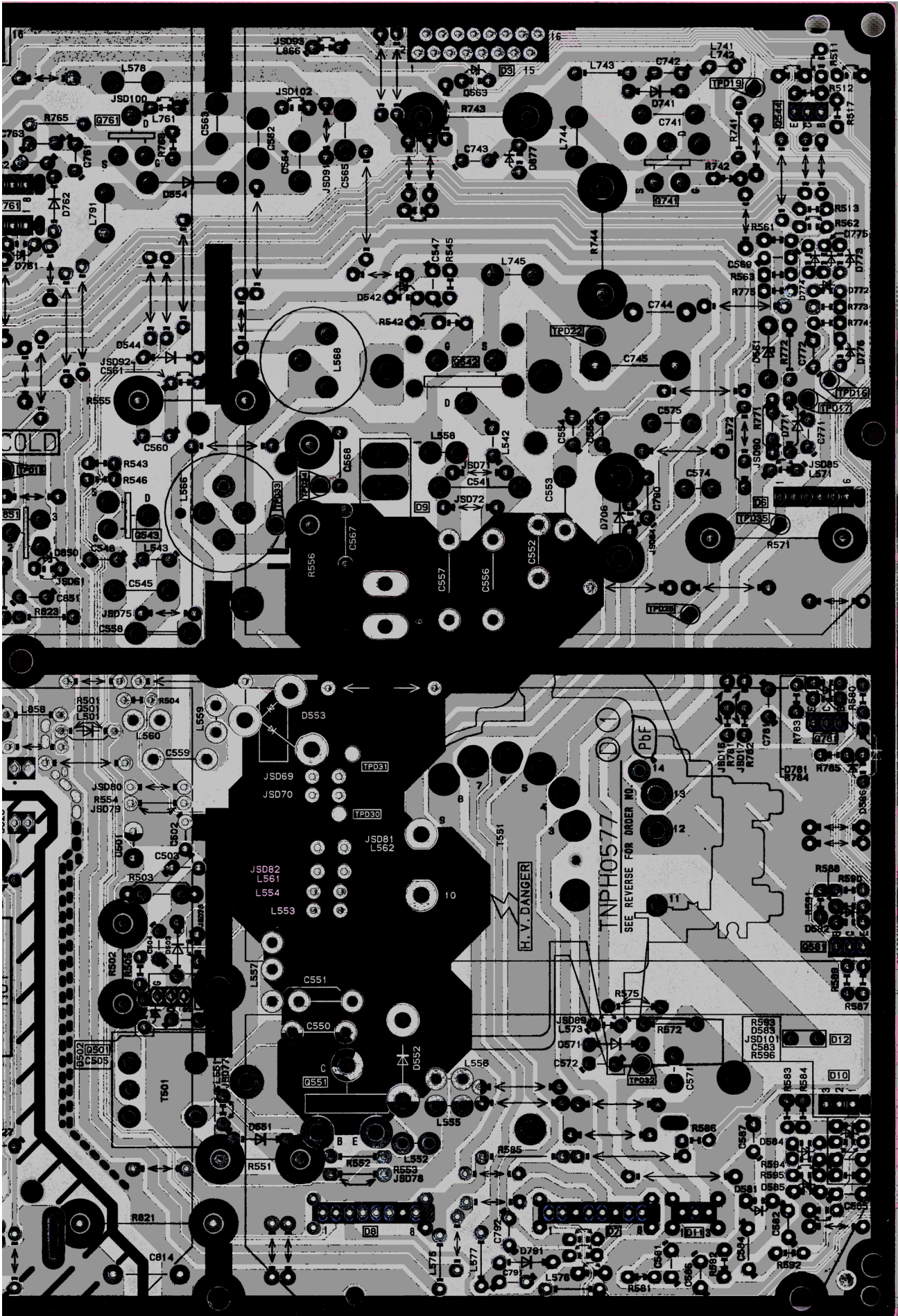


6.2. D BOARD

6.2.1. D BOARD (A)

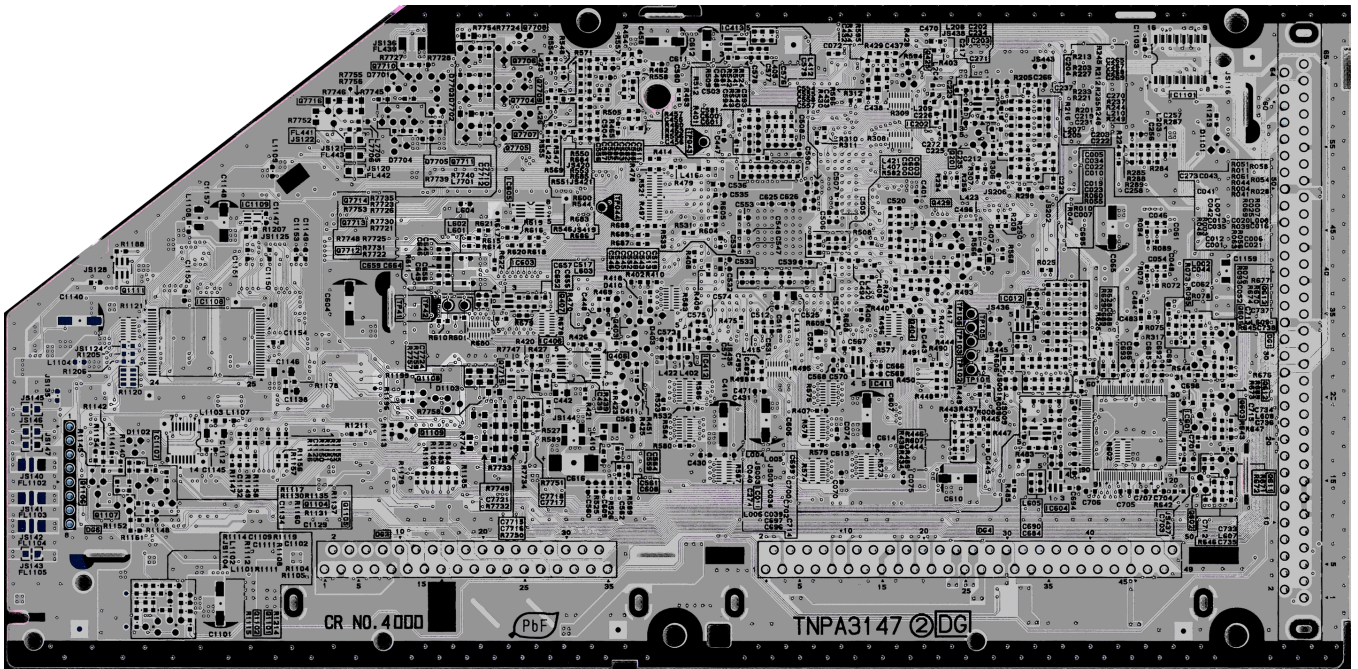


6.2.2. D BOARD (B)

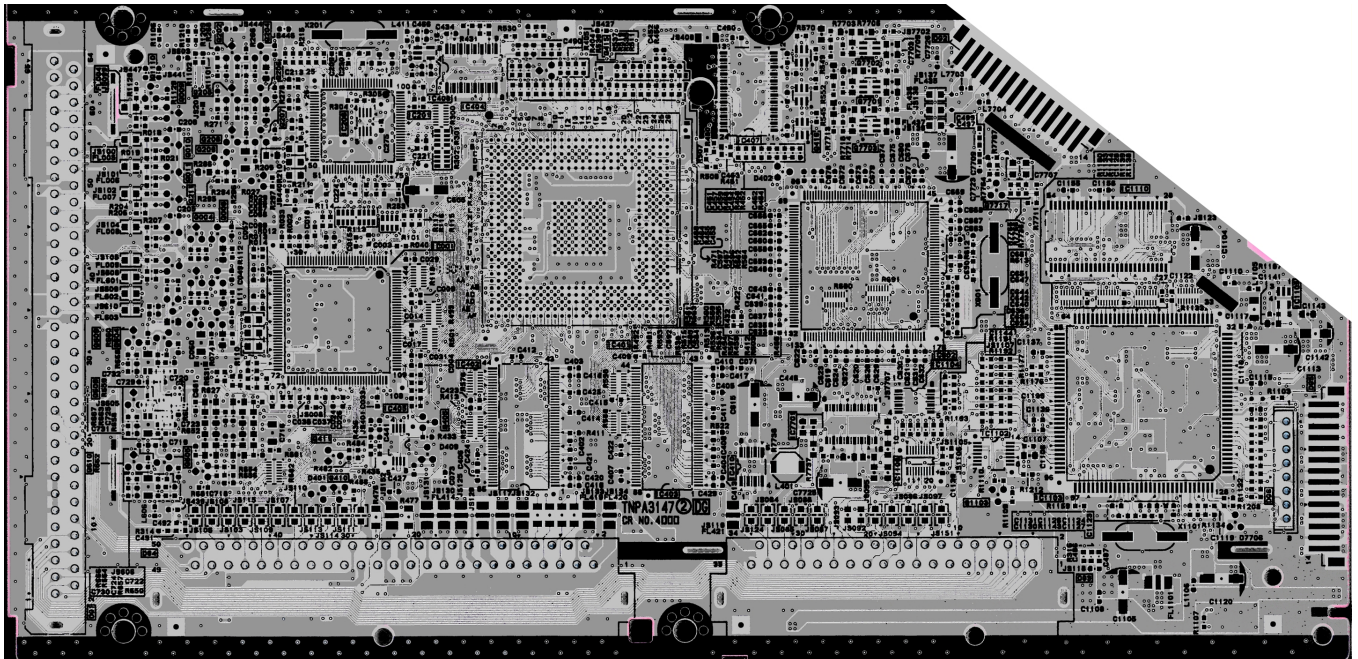


6.3. DG BOARD

6.3.1. DG BOARD (A)



6.3.2. DG BOARD (B)



7 Schematic Diagrams

7.1. Schematic Diagram for GP11 Chassis

Important Safety Notice

Components identified by \triangle mark have special characteristics important for safety.
When replacing any of these components, use only manufacturer's specified parts.

Notes:

1. Resistor

All resistors are carbon 1/4W resistor, unless marked as follows:

Unit of resistance is OHM [Ω] (K=1,000, M=1,000,000).

\circ : Nonflammable	\boxtimes : Metal Oxide	
\triangle : Solid	\odot : Metal Film	
\boxplus : Wire Wound	\otimes : Fuse	

2. Capacitor

All capacitors are ceramic 50V capacitor, unless marked as follows:

Unit of capacitance is μ F, unless otherwise noted.

\otimes : Temperature Compensation	$\begin{array}{c} + \\ \text{---} \text{H} \text{---} \\ \text{---} \end{array}$: Electrolytic	
\textcircled{M} : Polyester	$\begin{array}{c} \text{NP} \\ \text{---} \text{H} \text{---} \\ \text{---} \end{array}$: Bipolar	
\textcircled{m} : Metalized Polyester	$\textcircled{1}$: Dipped Tantalum	
\boxtimes : Polypropylene	\textcircled{Z} : Z-Type	

3. Coil

Unit of inductance is μ F, unless otherwise noted.

4. Test Point

\circ : Test Point position

5. Earth Symbol

⏏ : Chassis Earth (Cold) ∇ : Line Earth (Hot)

6. Voltage Measurement

Voltage is measured by a DC voltmeter.

Conditions of the measurement are the following:

Power Source	AC 110-240 V, 50/60 Hz
Receiving Signal	Colour Bar signal (RF)
All customer's controls	Maximum positions

7. Number in red circle indicates waveform number.

(See waveform pattern table.)

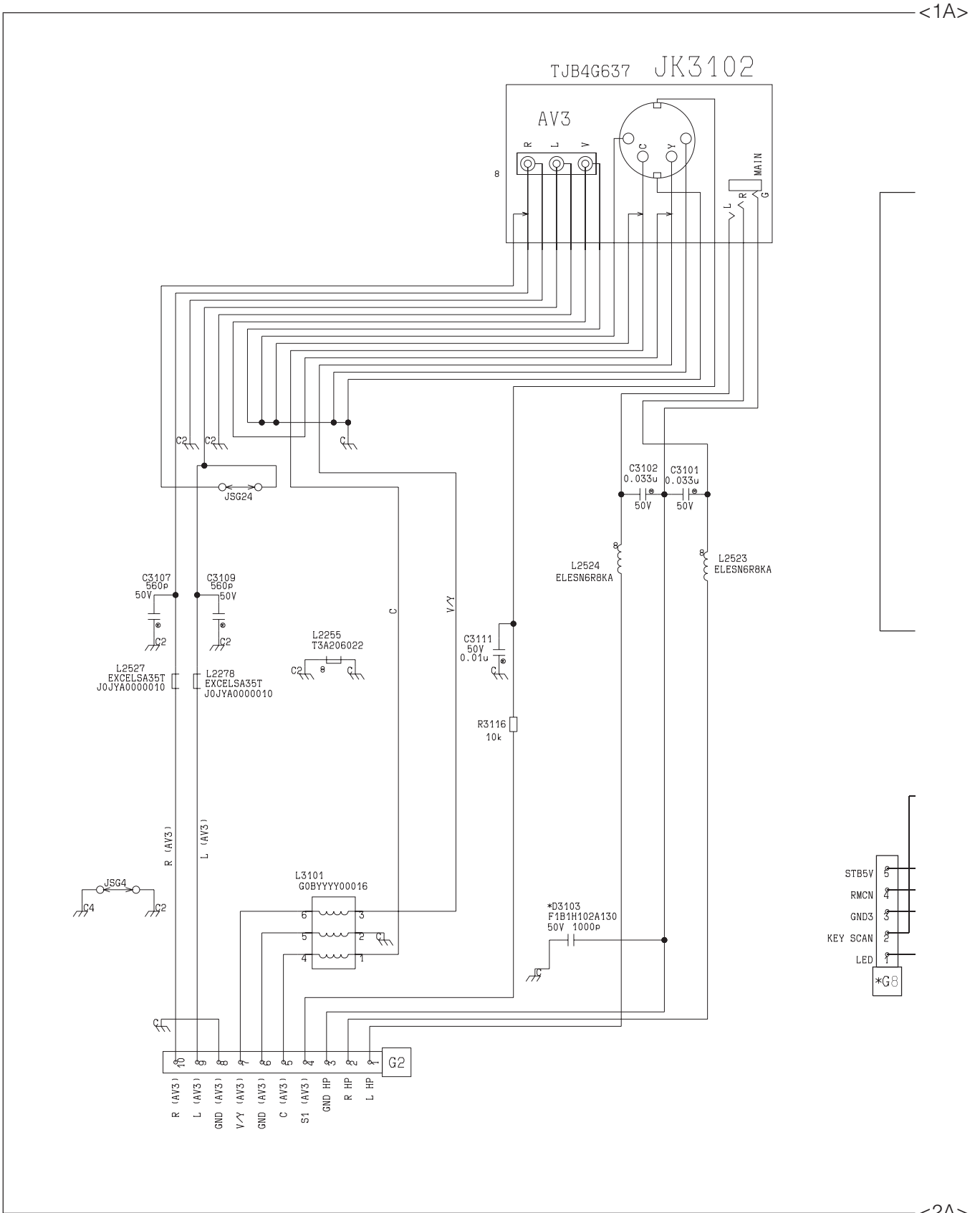
8. When arrow mark (\nearrow) is found, connection is easily found from the direction of arrow

9. Indicates the major signal flow. \Rightarrow : Video \Rightarrow : Audio

10. This schematic diagram is the latest at the time of printing and subject to change without notice.

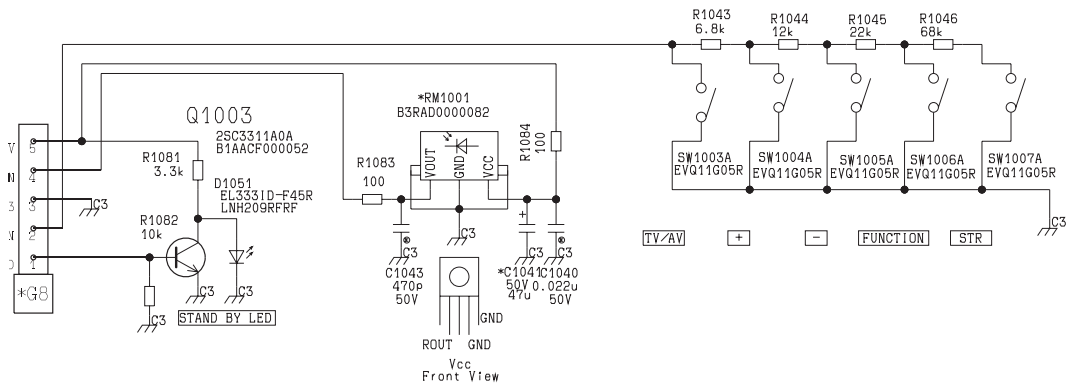
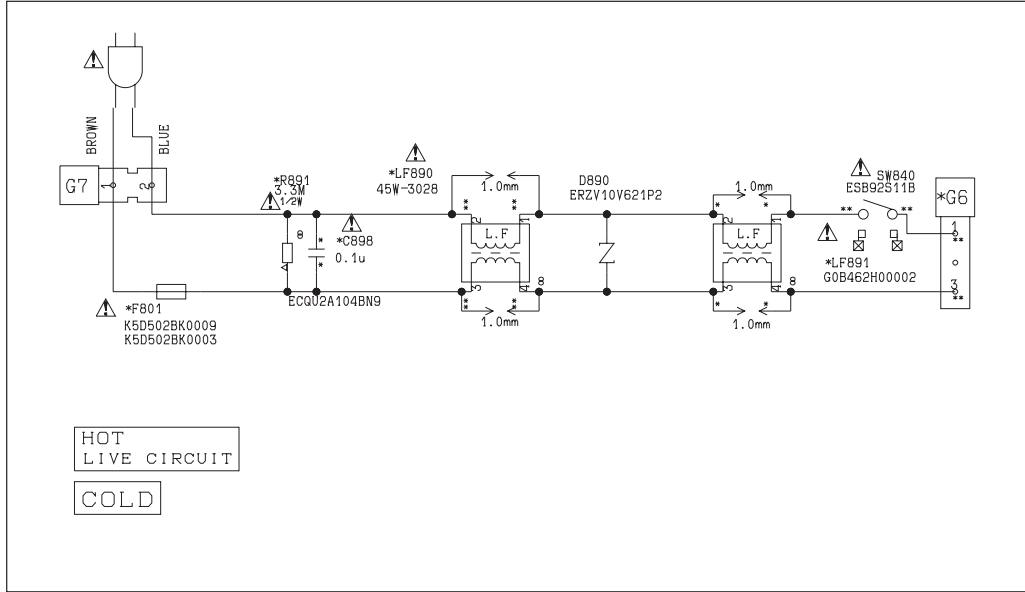
7.2. G Board

7.2.1. G Board (1/2)



7.2.2. G Board (2/2)

<1A>

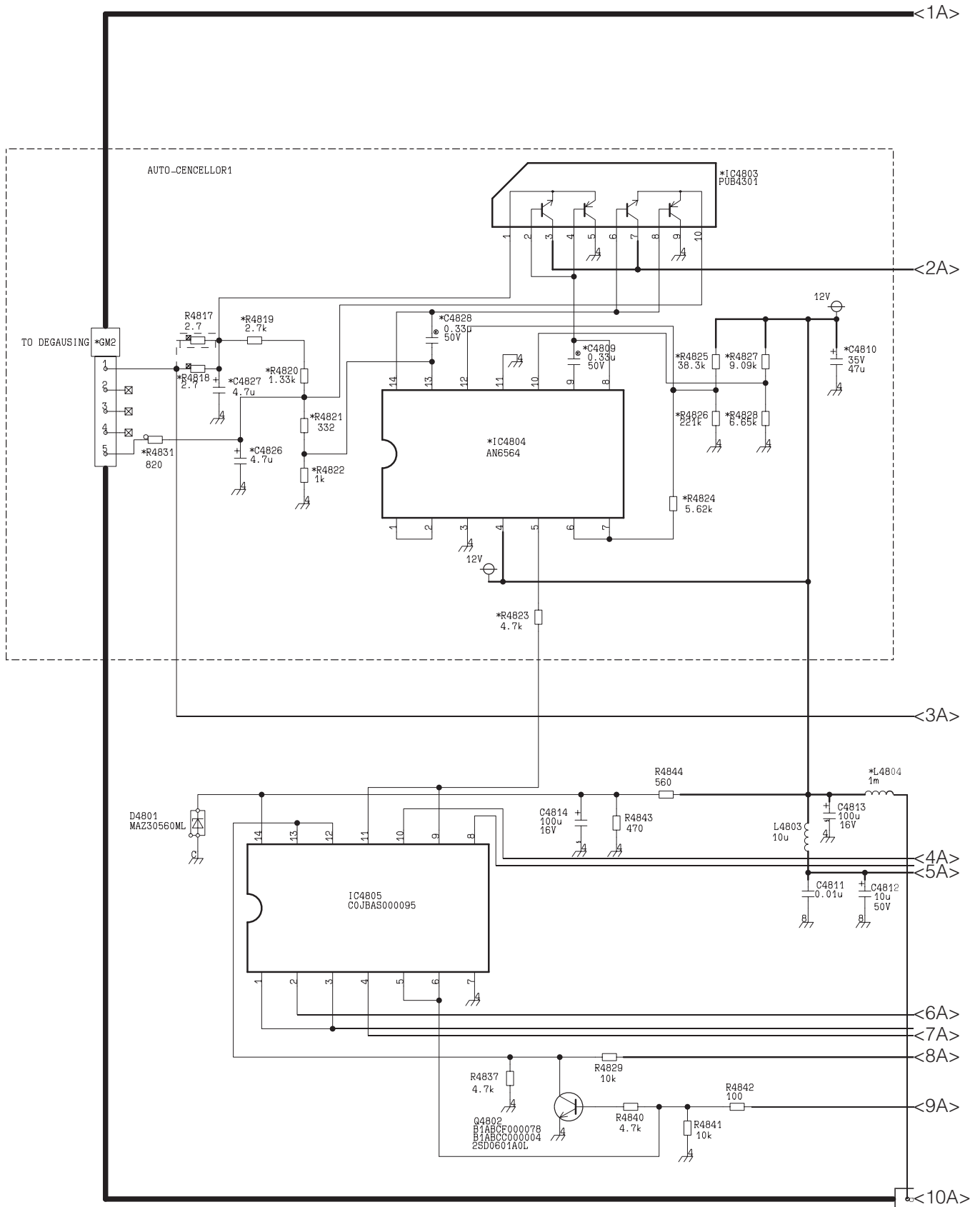


TNP0A0042AD
G BOARD

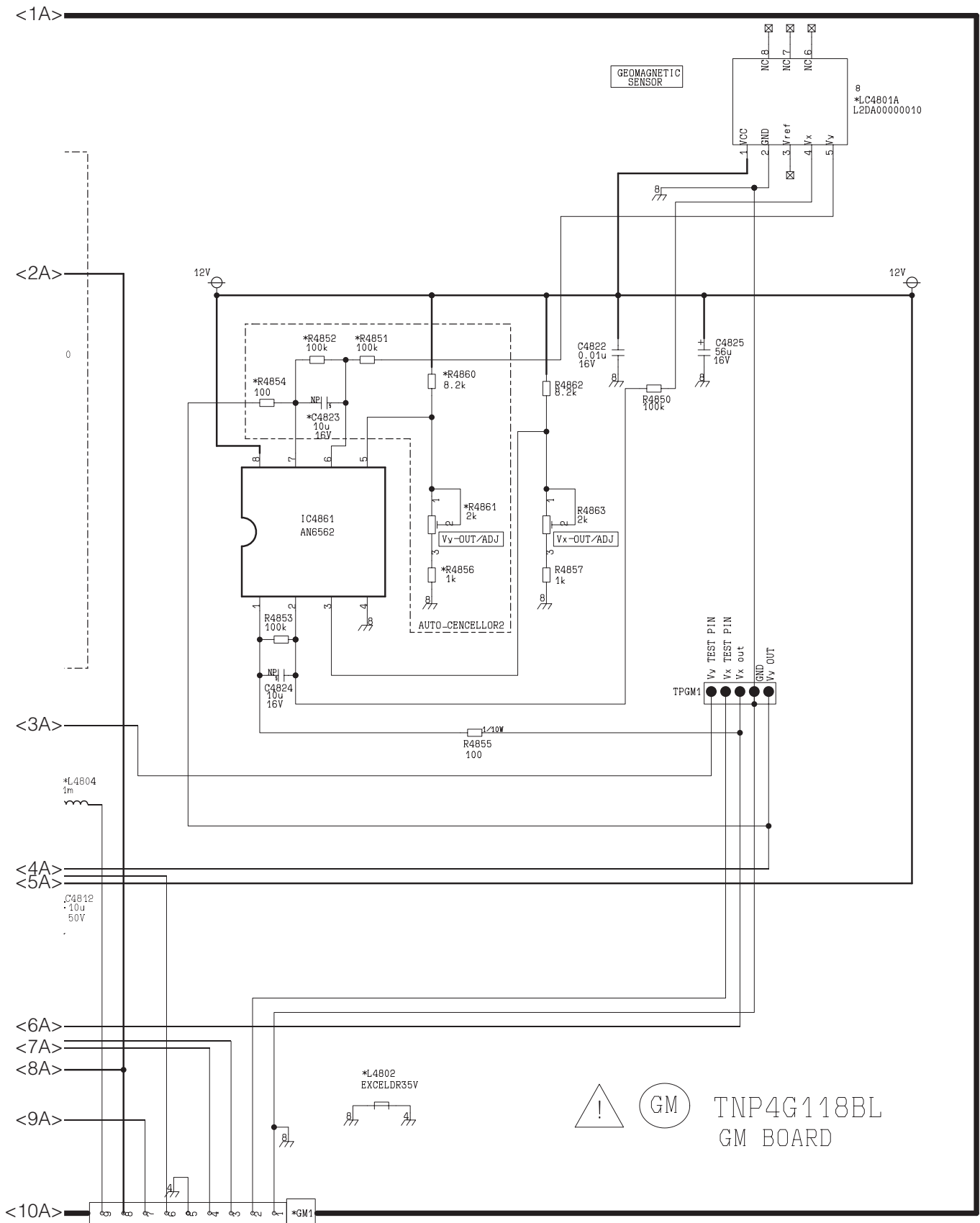
<2A>

7.3. GM Board

7.3.1. GM Board (1/2)

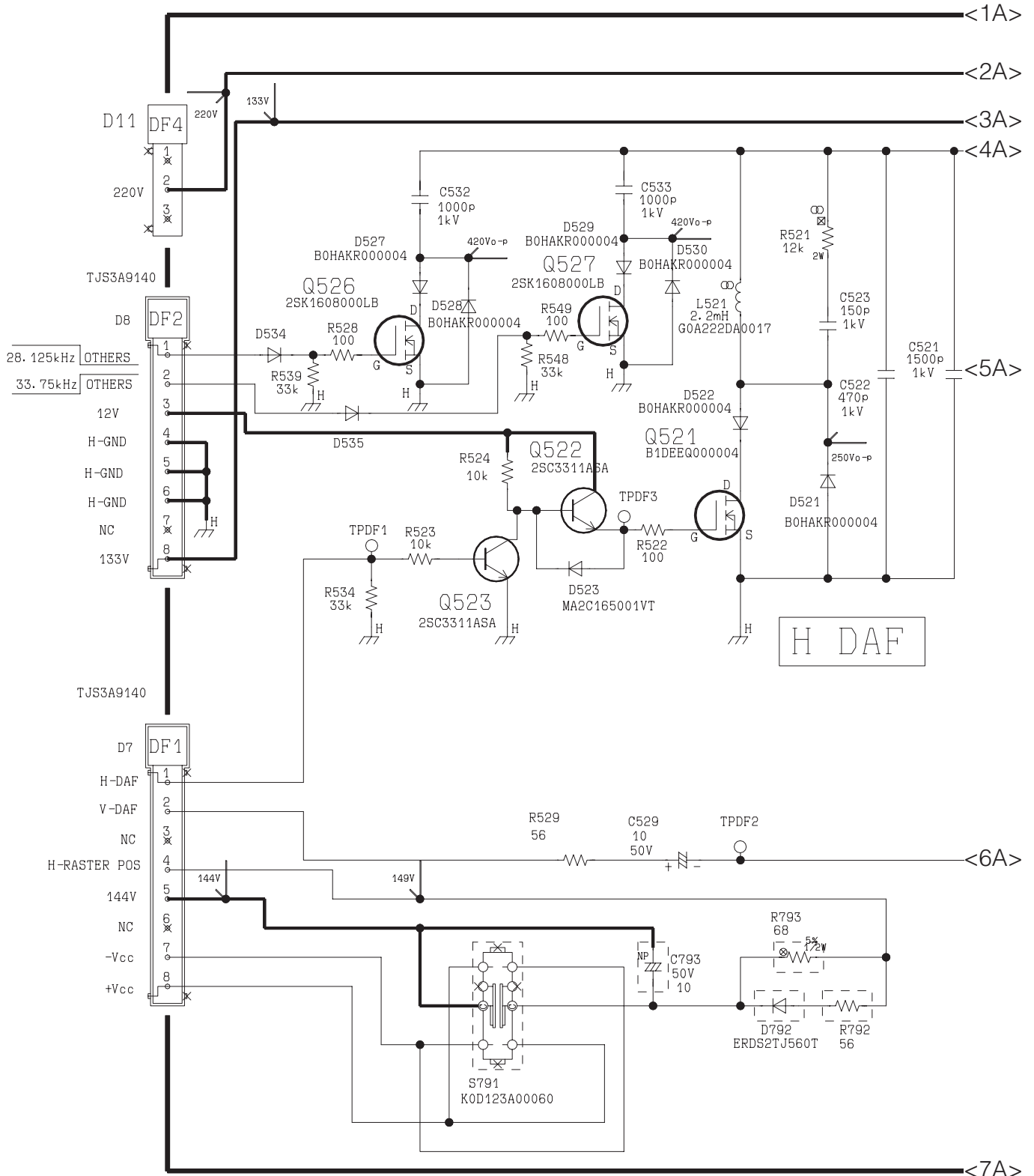


7.3.2. GM Board (2/2)

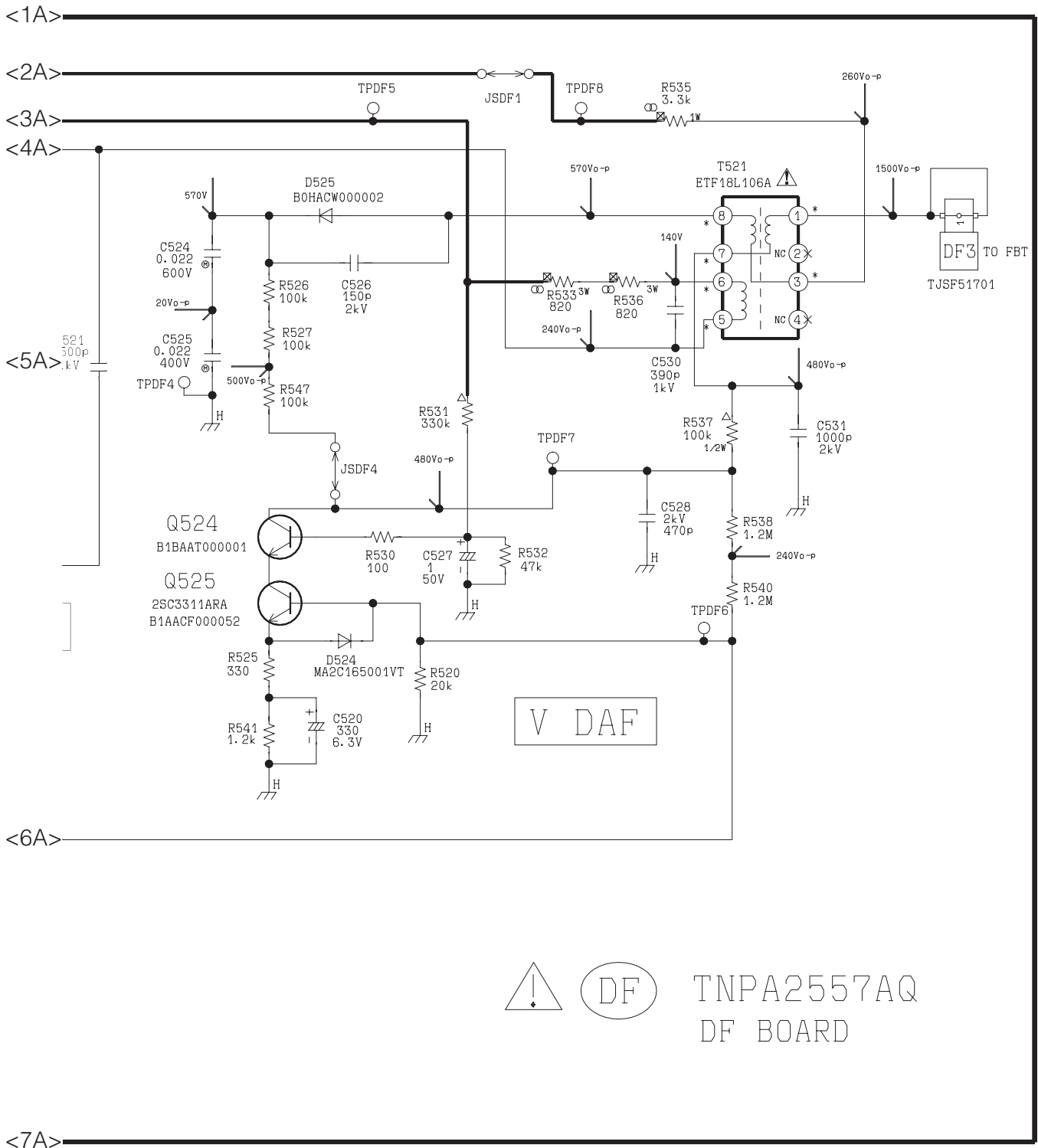


7.4. DF Board

7.4.1. DF Board (1/2)

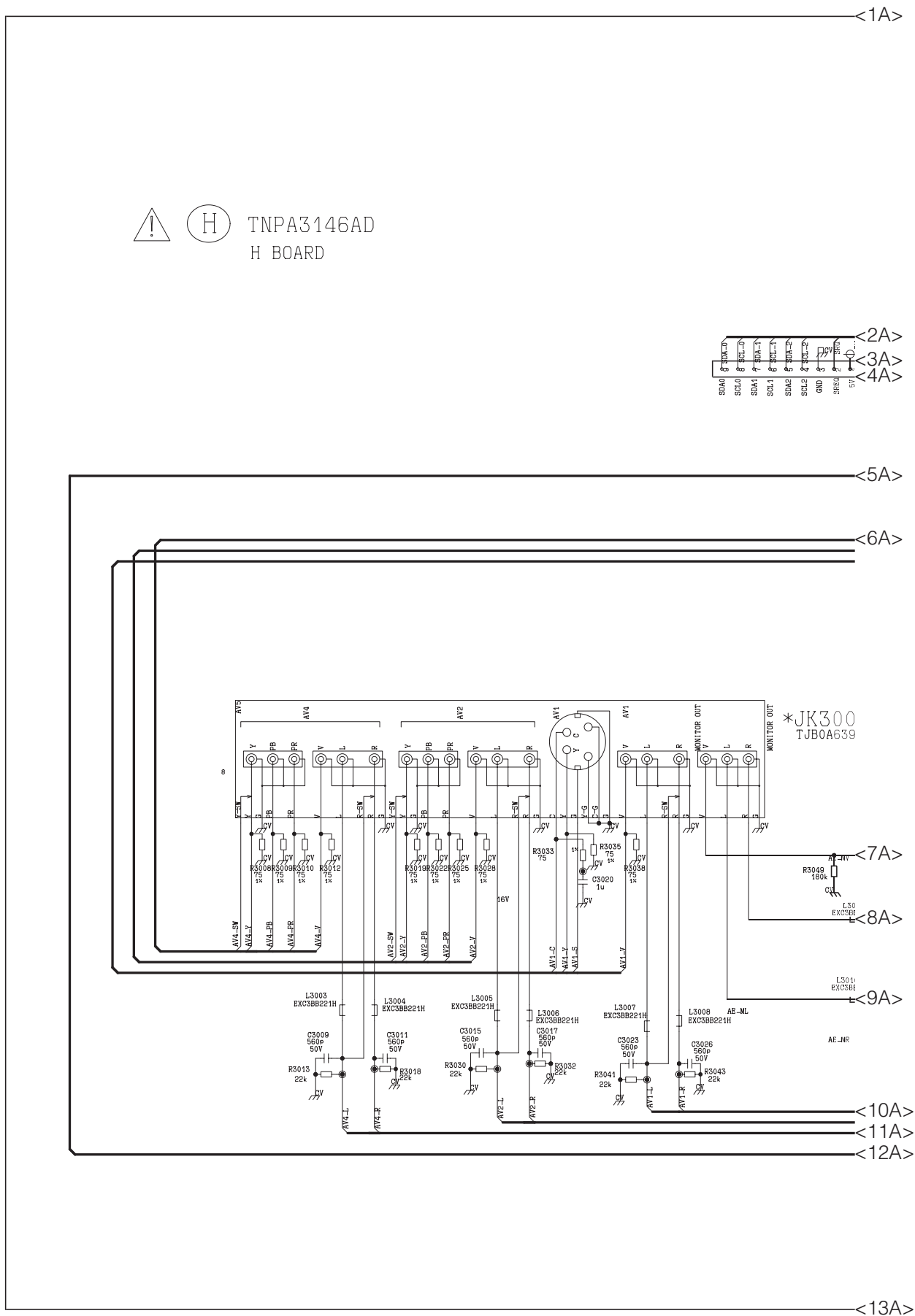


7.4.2. DF Board (2/2)

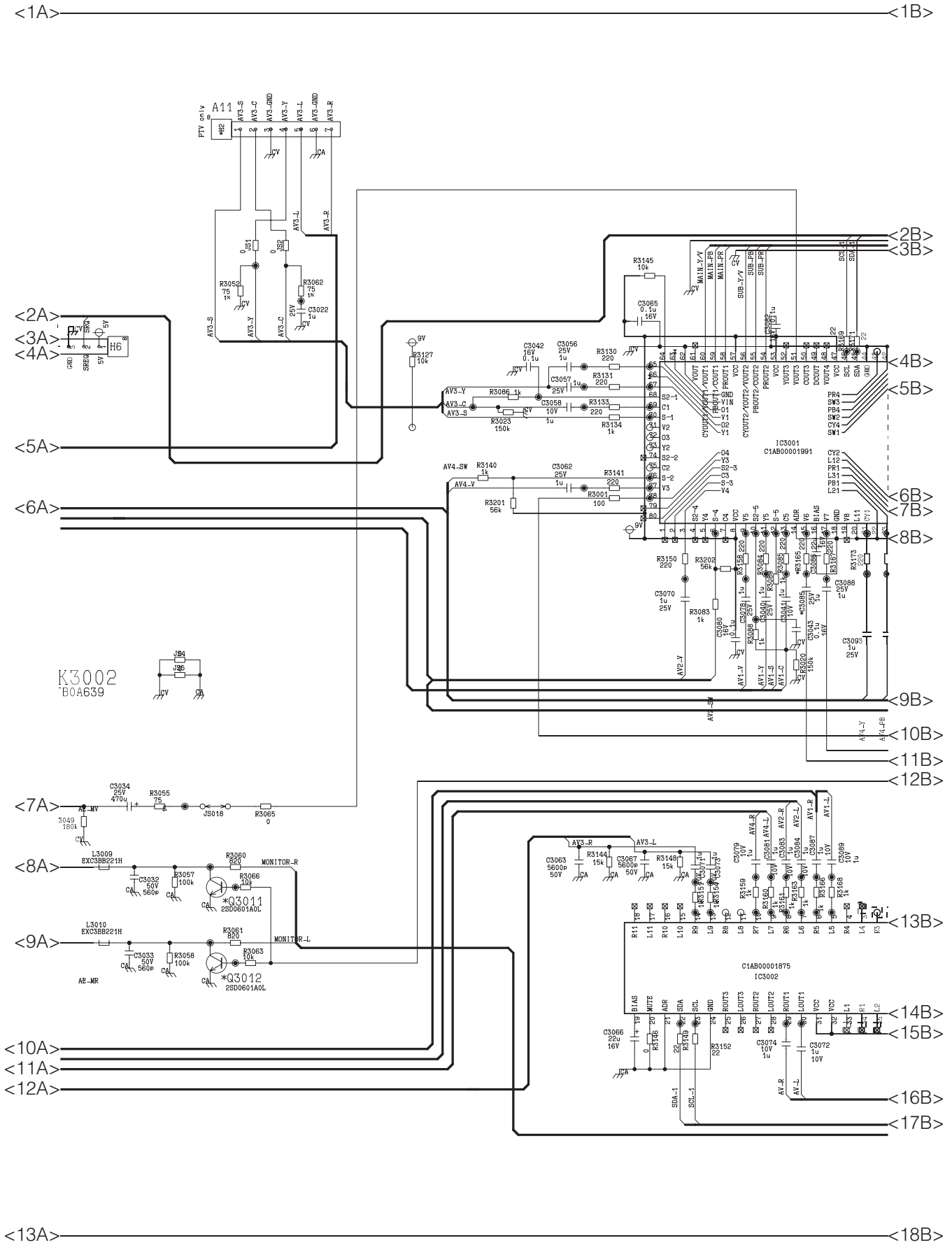


7.5. H Board

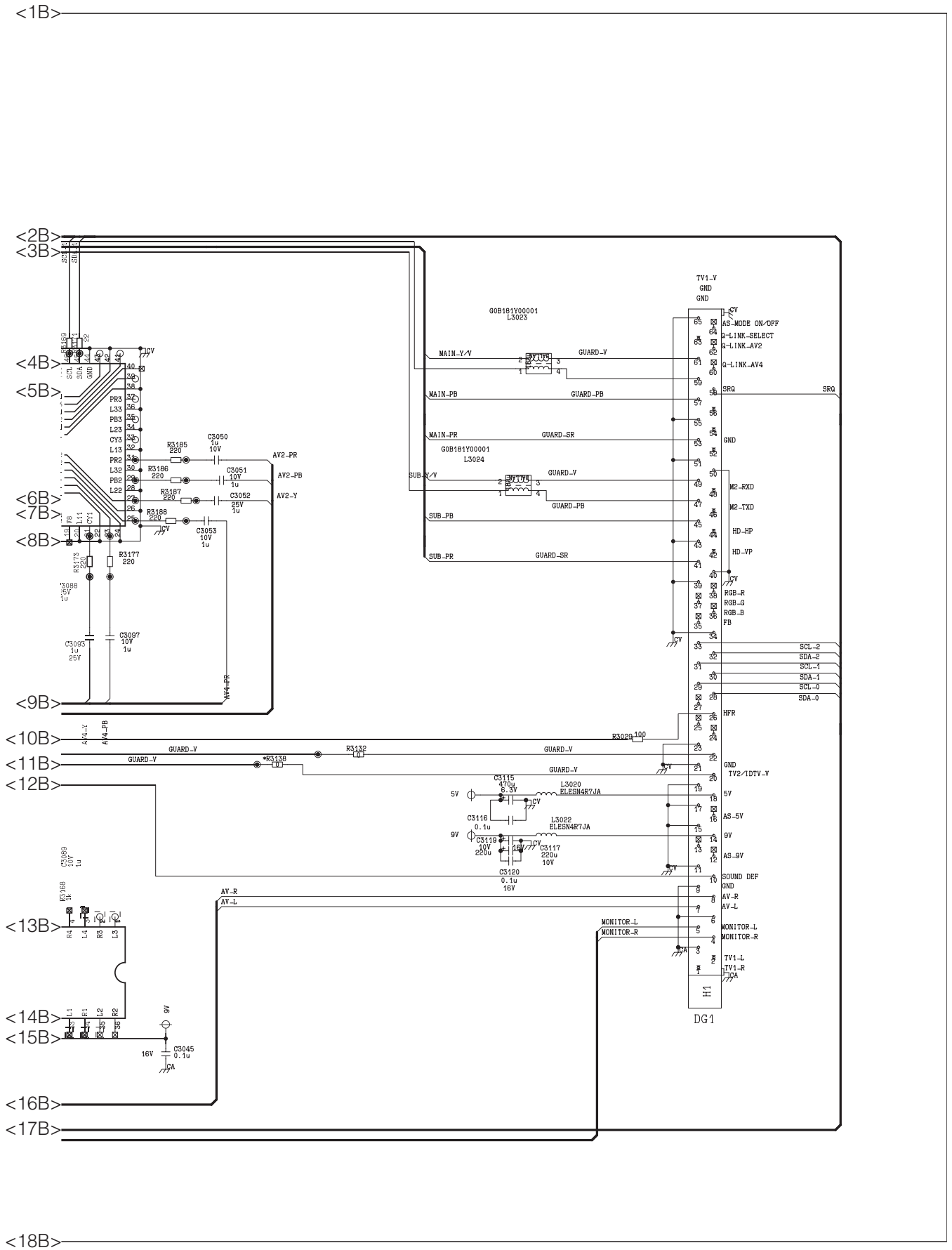
7.5.1. H Board (1/3)



7.5.2. H Board (2/3)

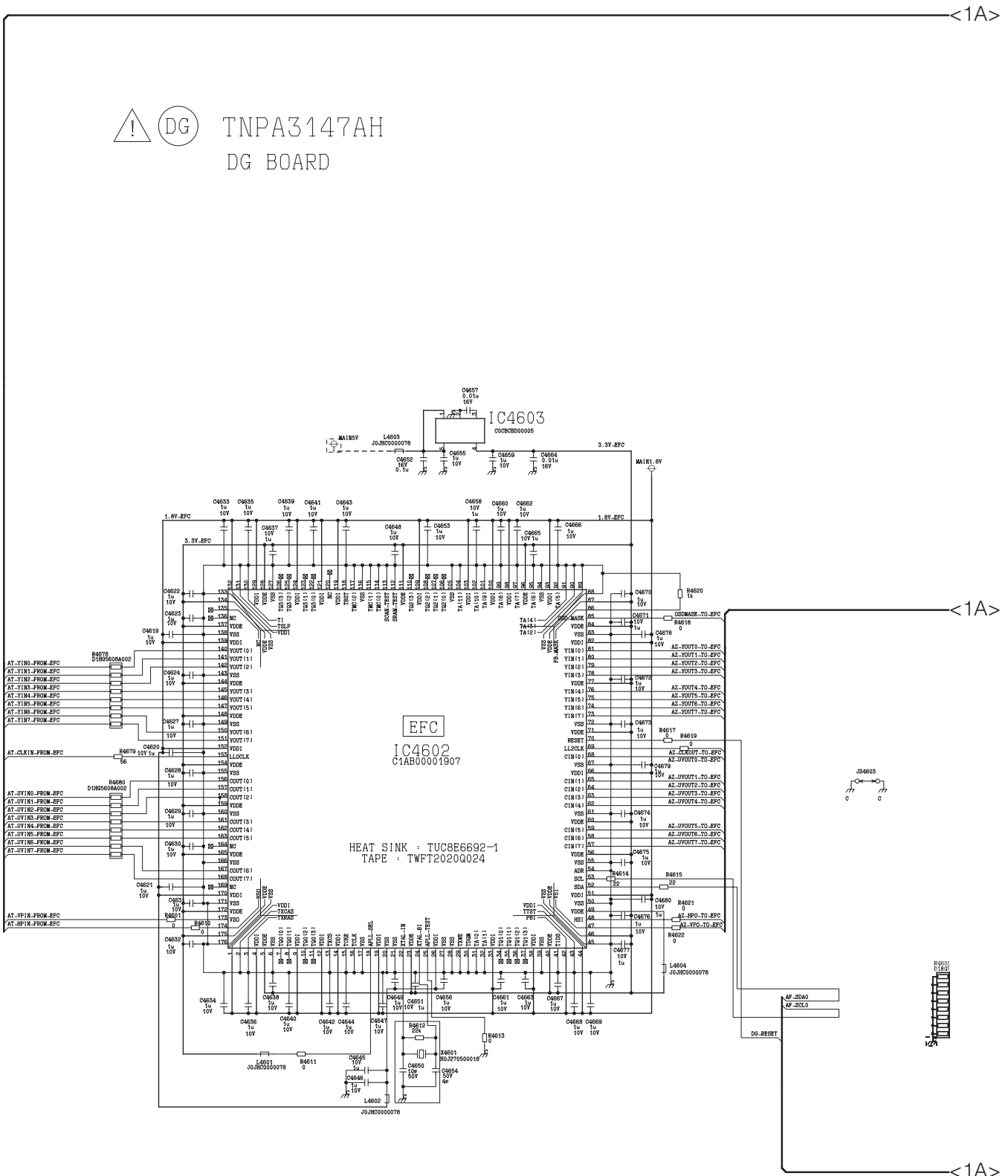


7.5.3. H Board (3/3)

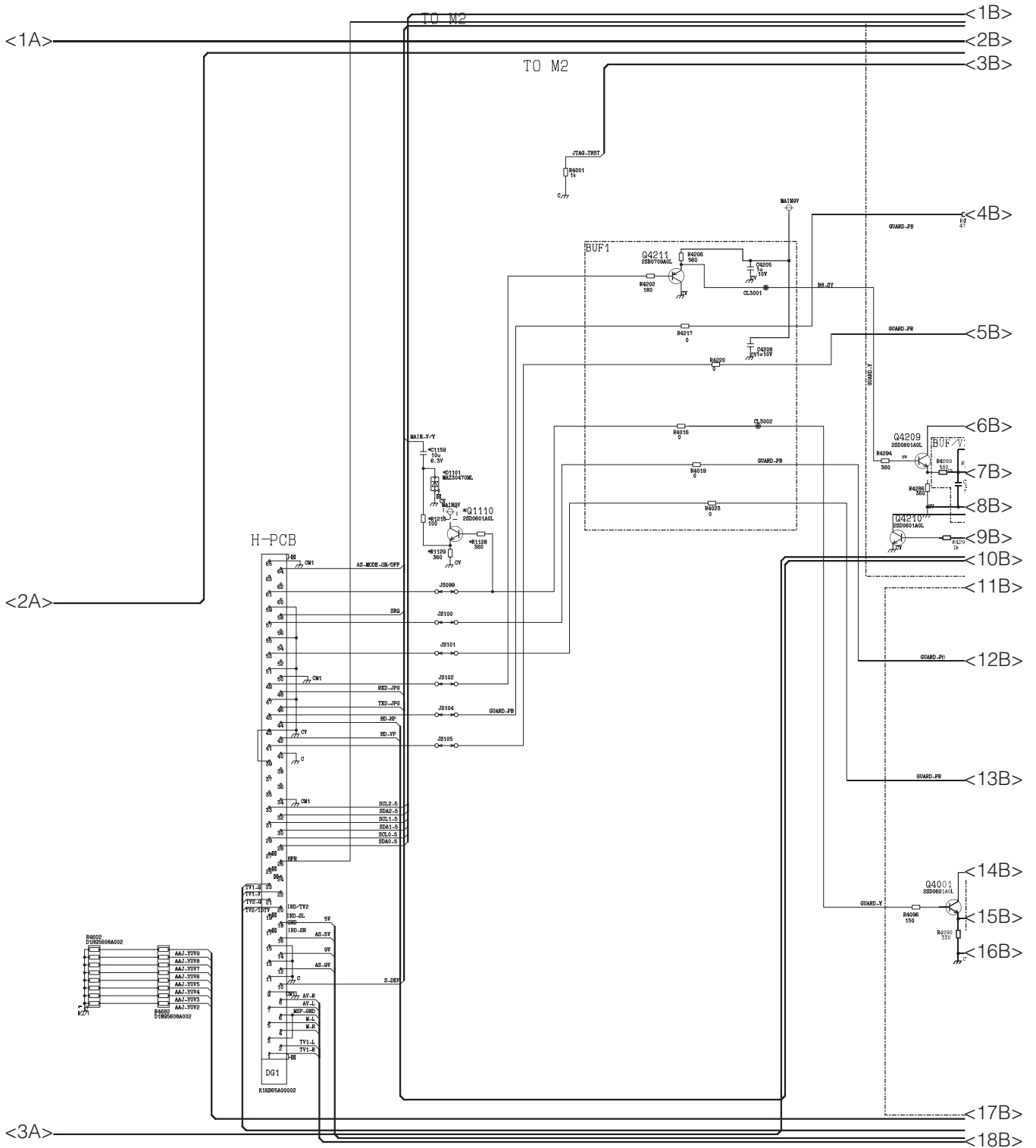


7.6. DG Board

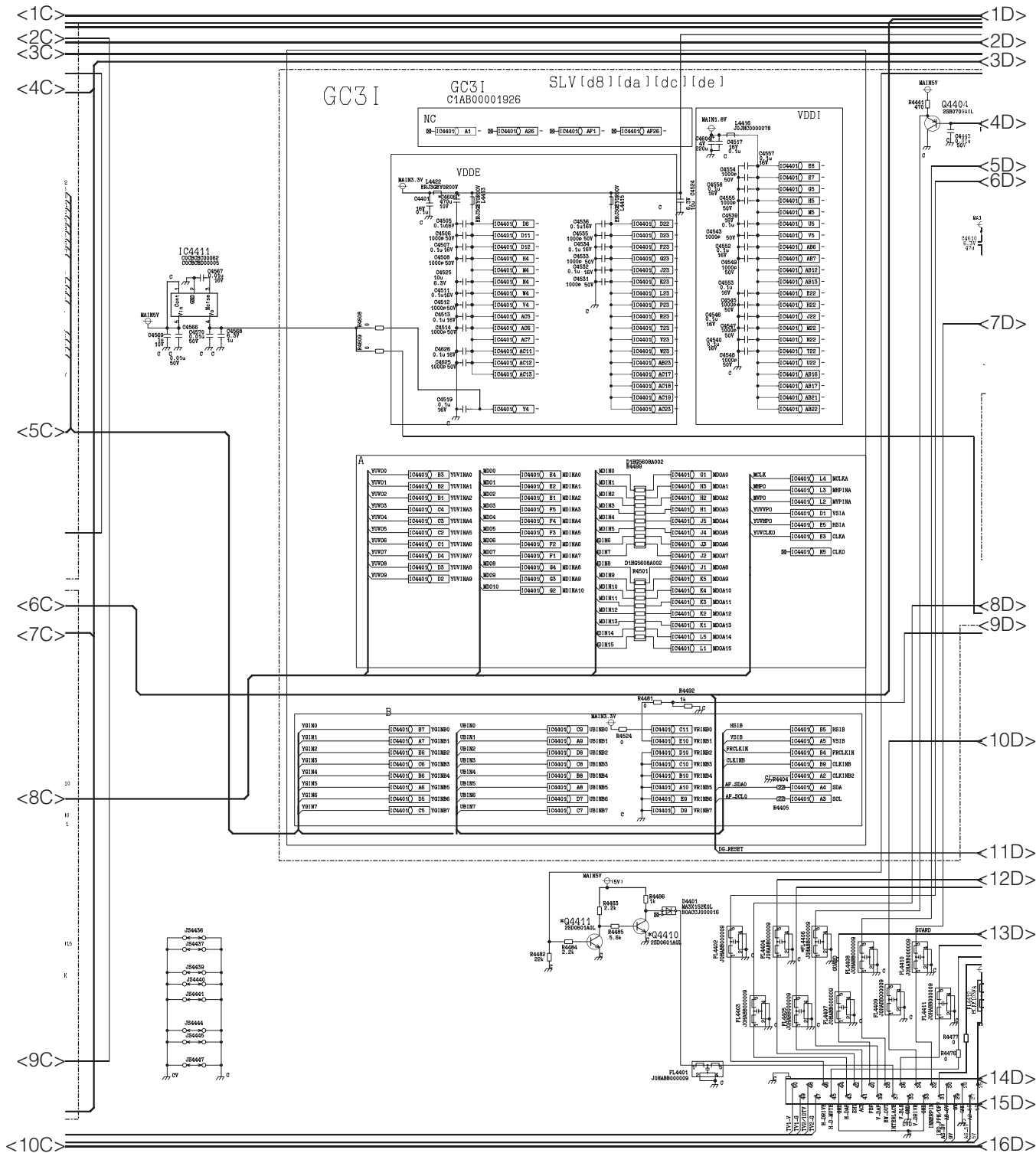
7.6.1. DG Board (1/10)



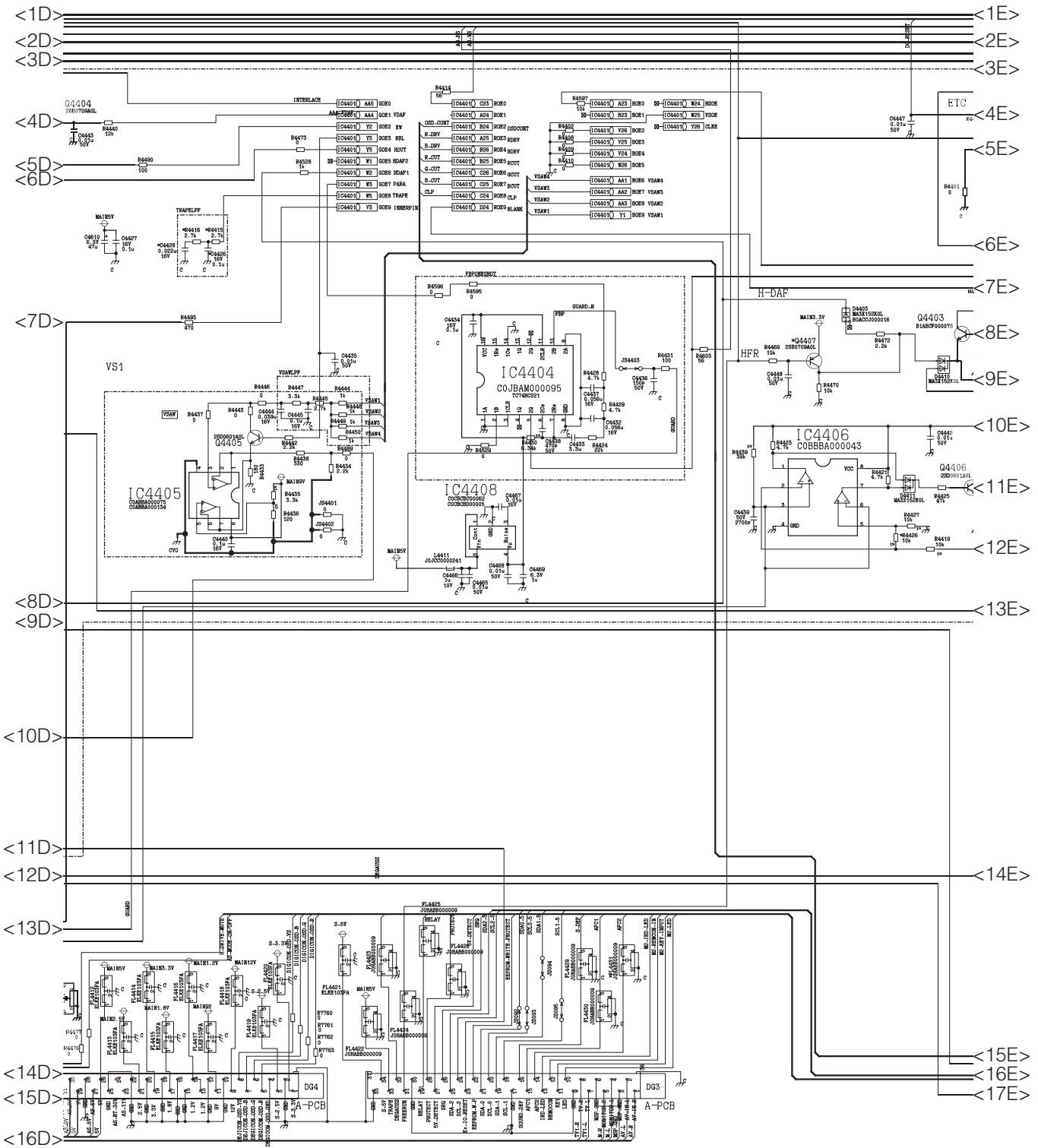
7.6.2. DG Board (2/10)



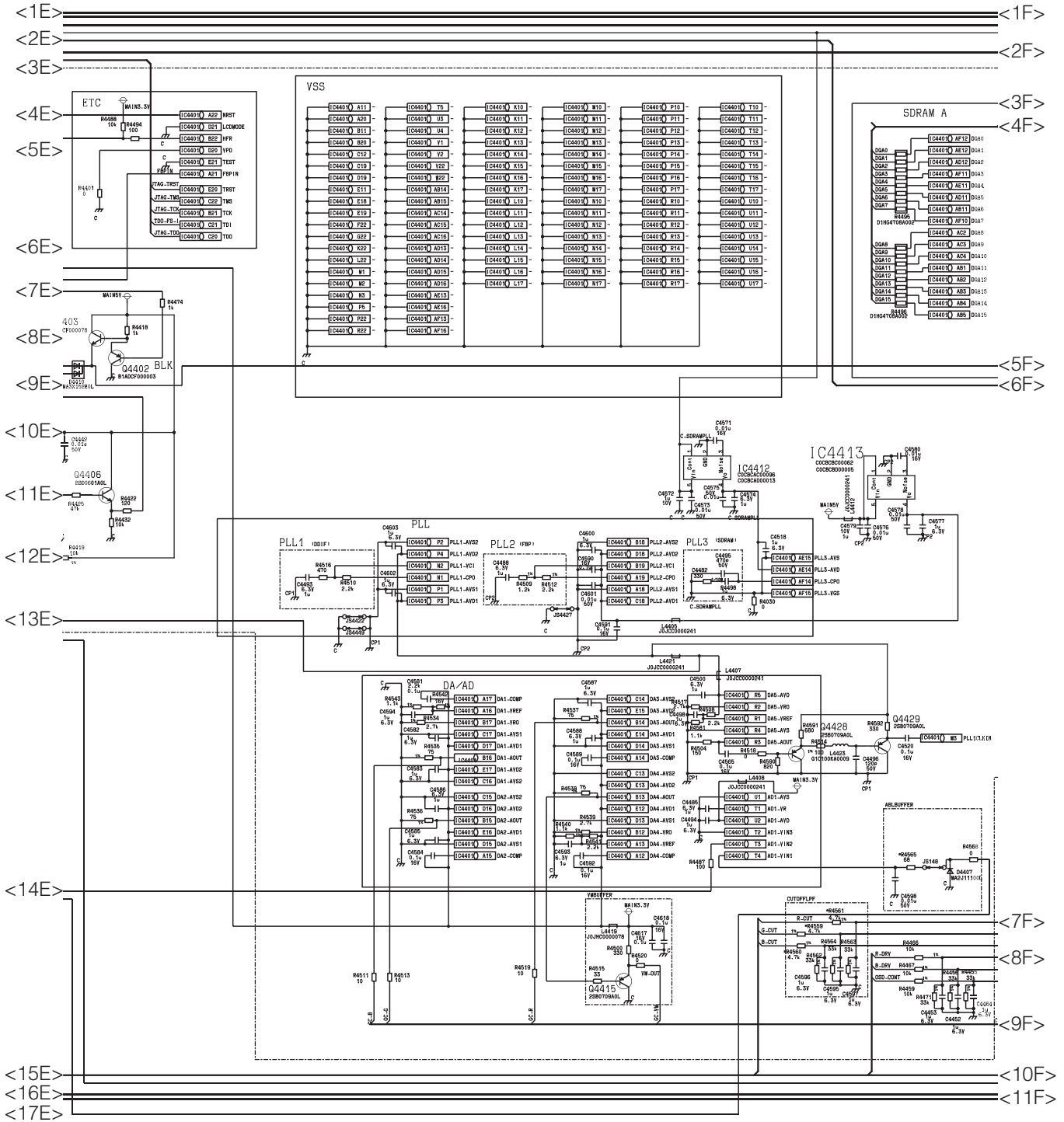
7.6.4. DG Board (4/10)



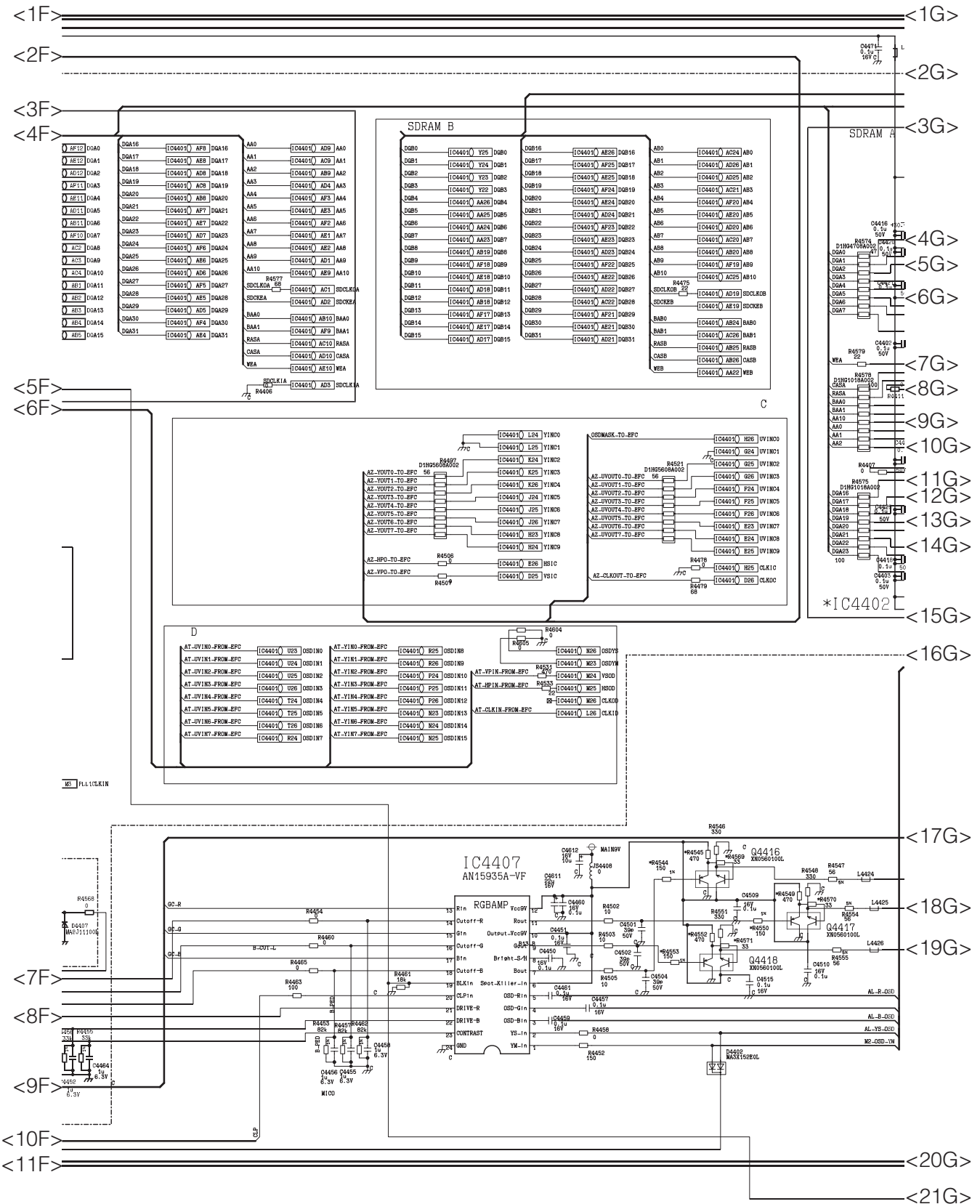
7.6.5. DG Board (5/10)

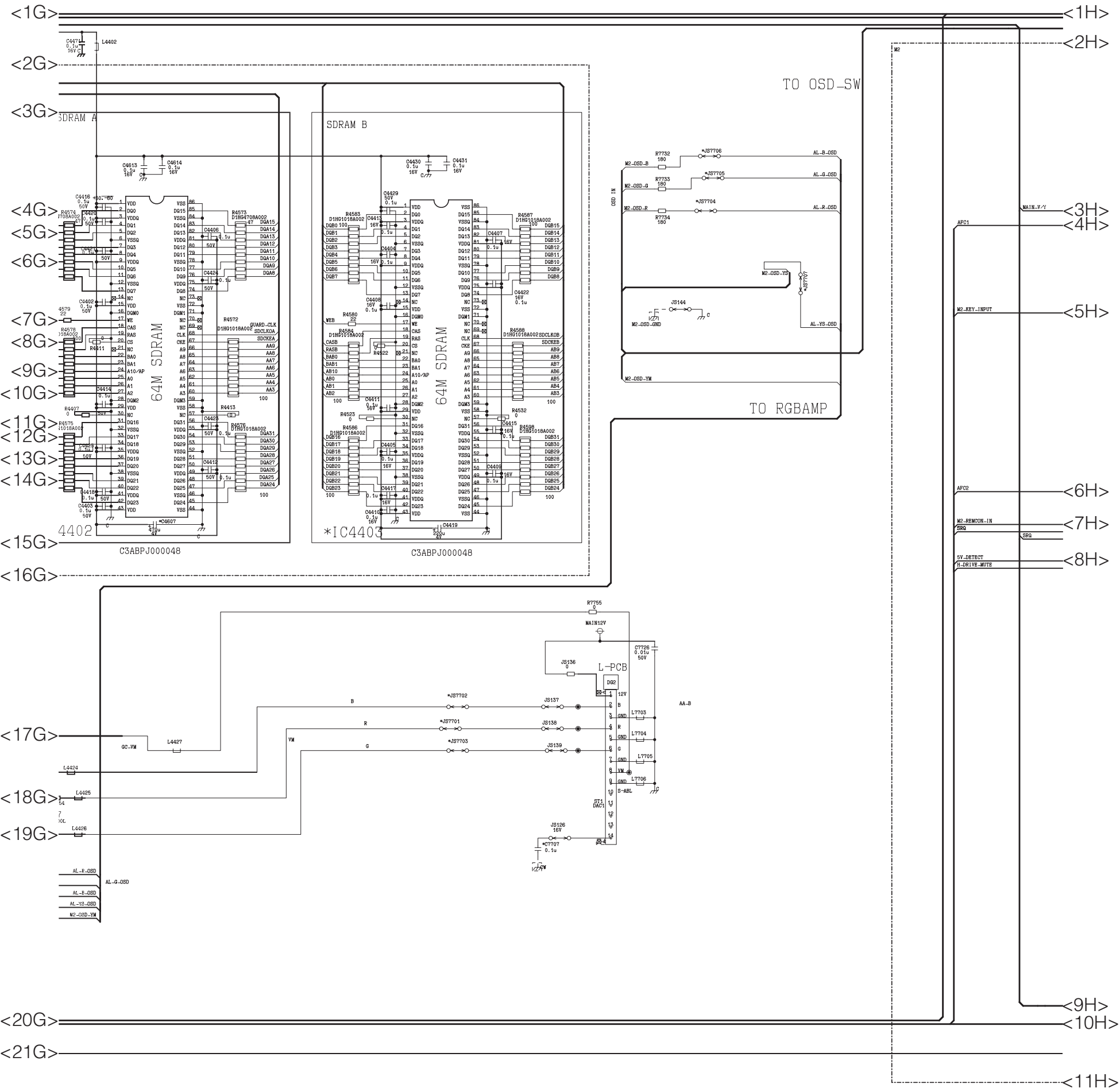


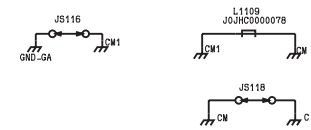
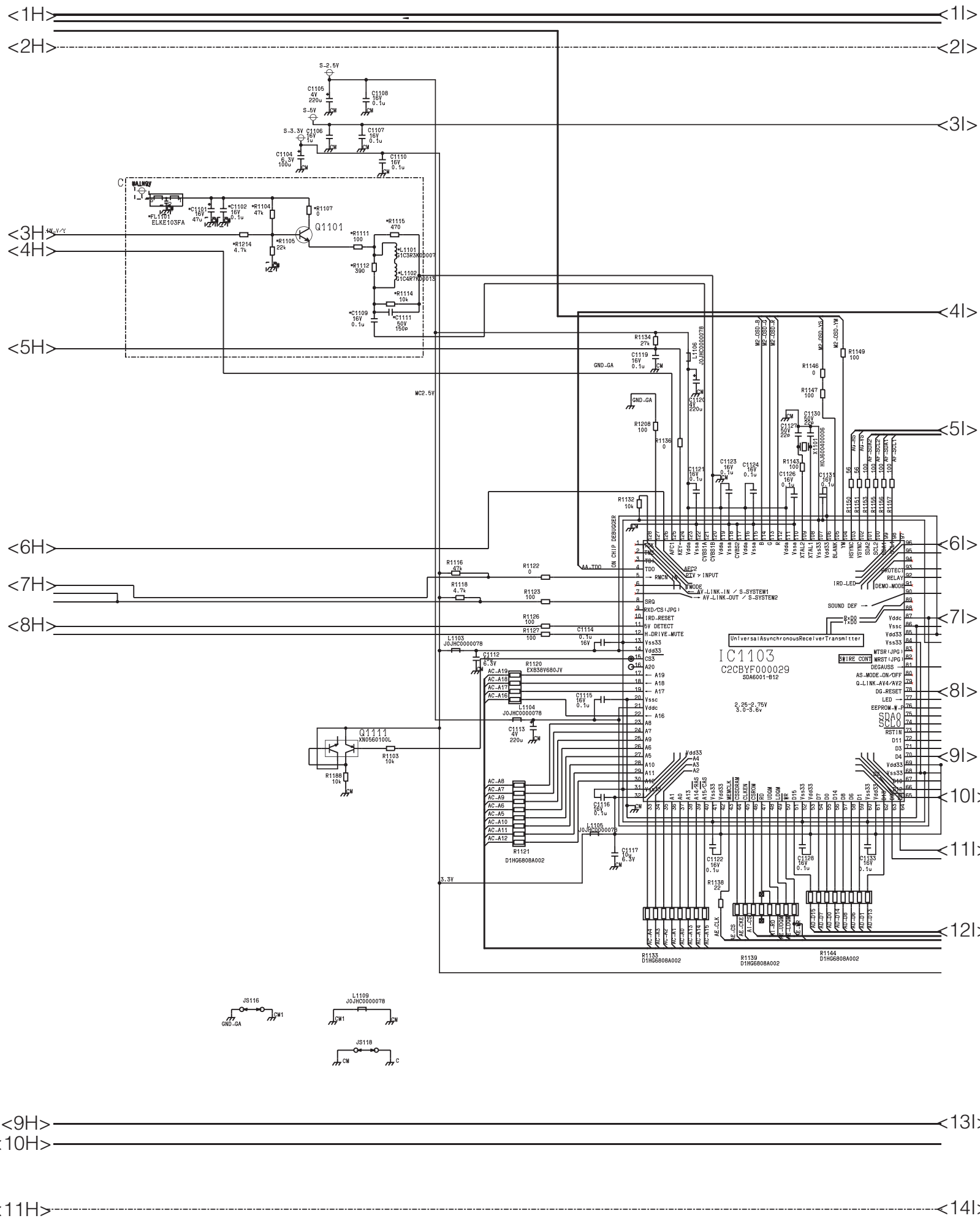
7.6.6. DG Board (6/10)

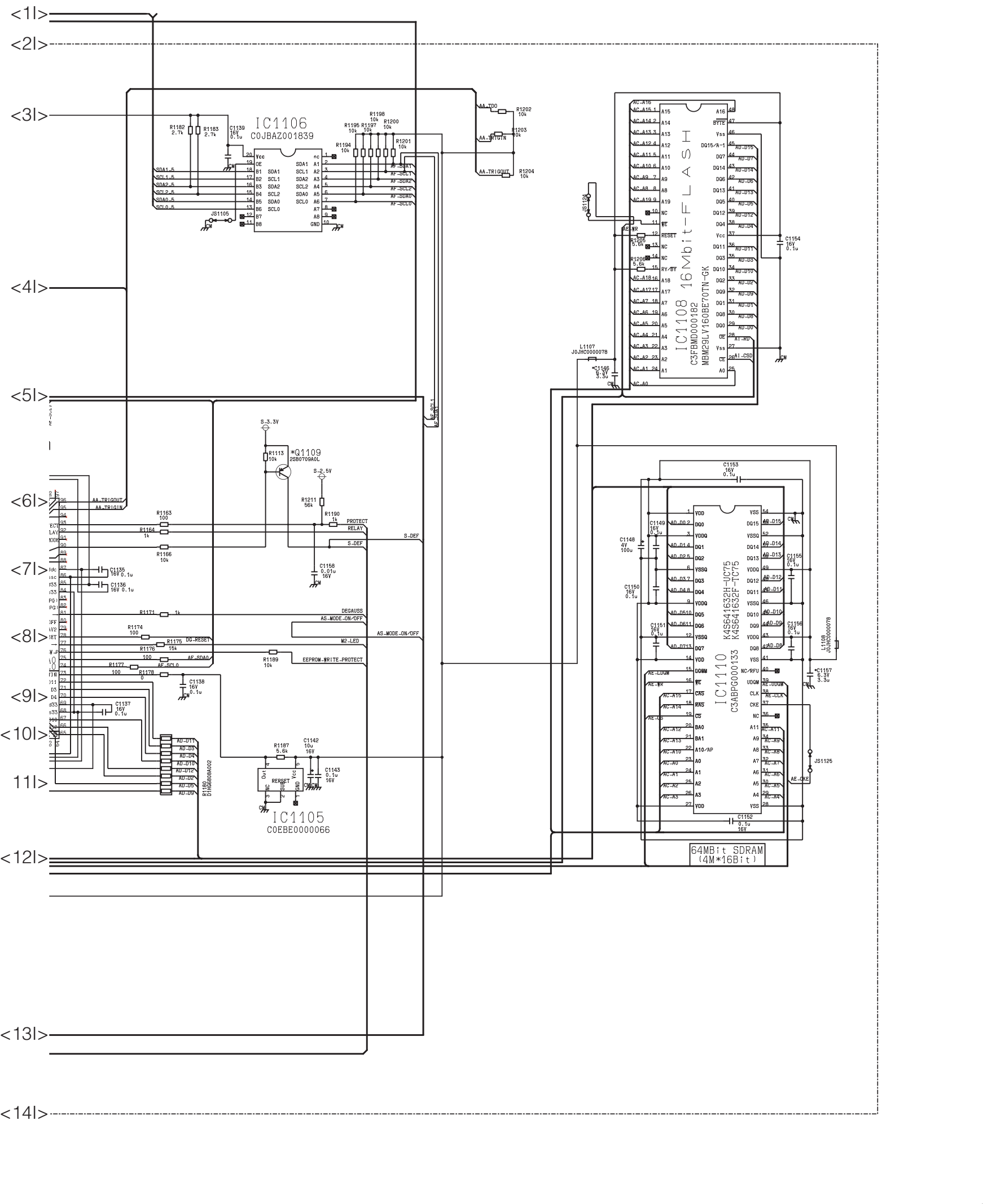


7.6.7. DG Board (7/10)



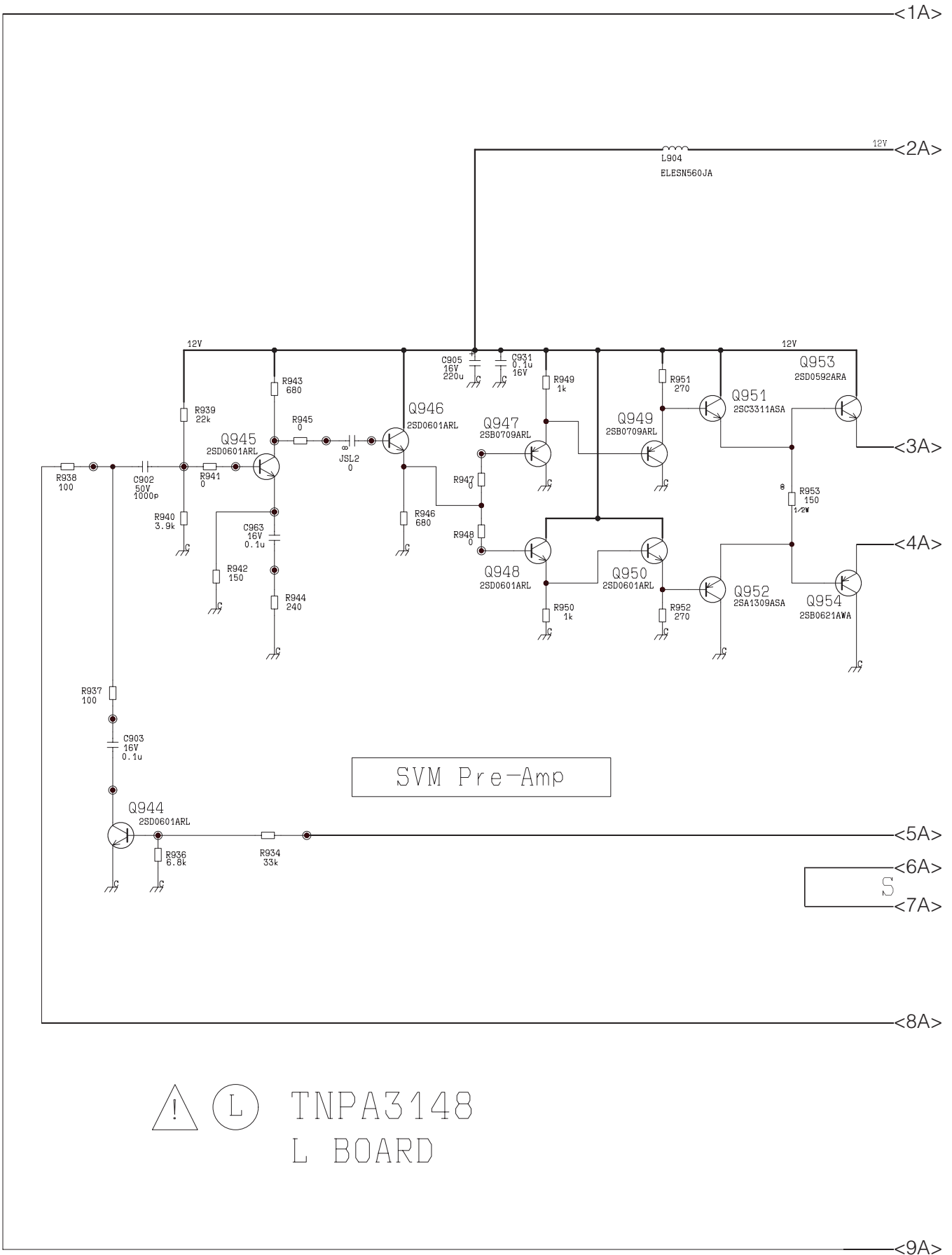




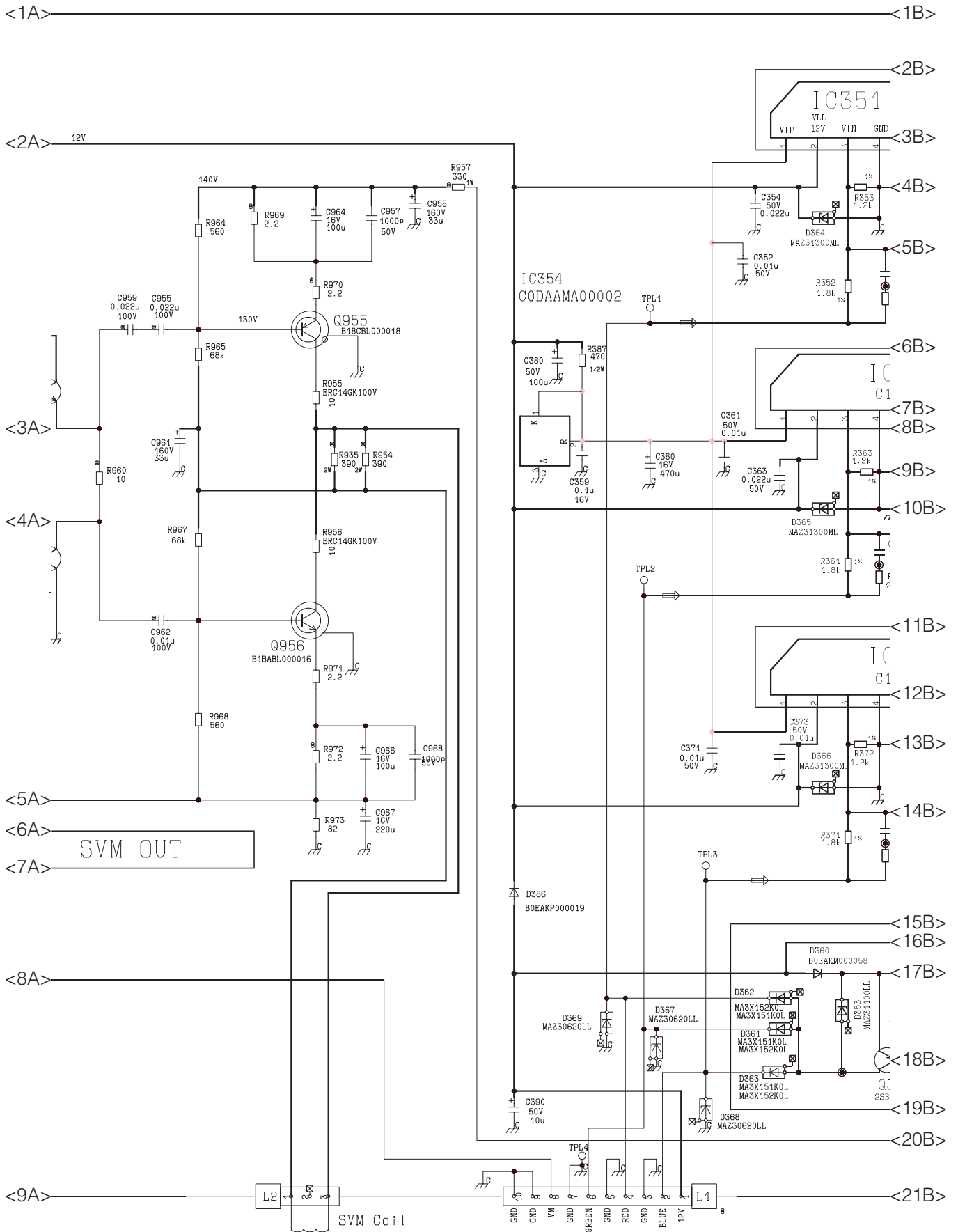


7.7. L Board

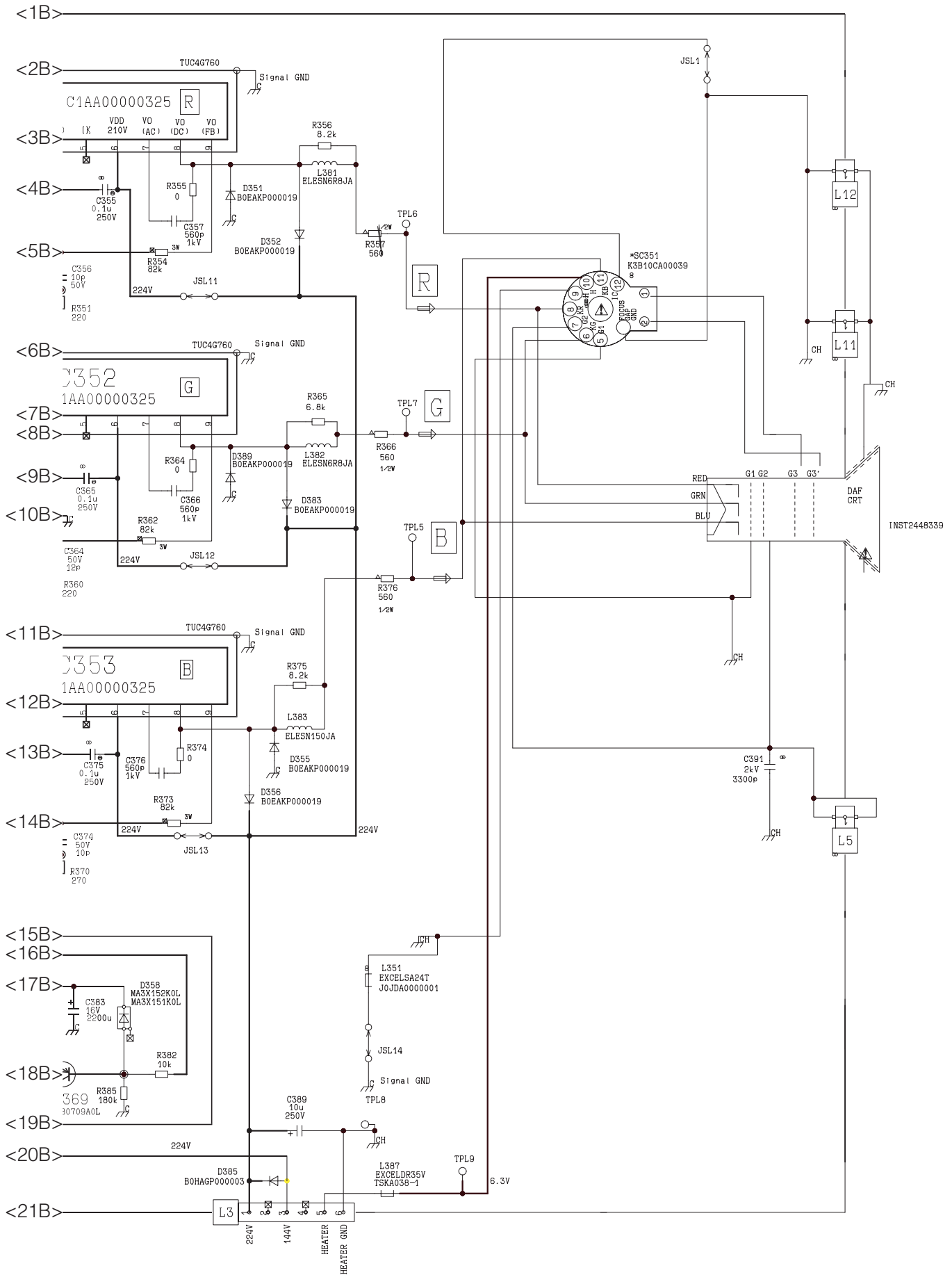
7.7.1. L Board (1/3)



7.7.2. L Board (2/3)

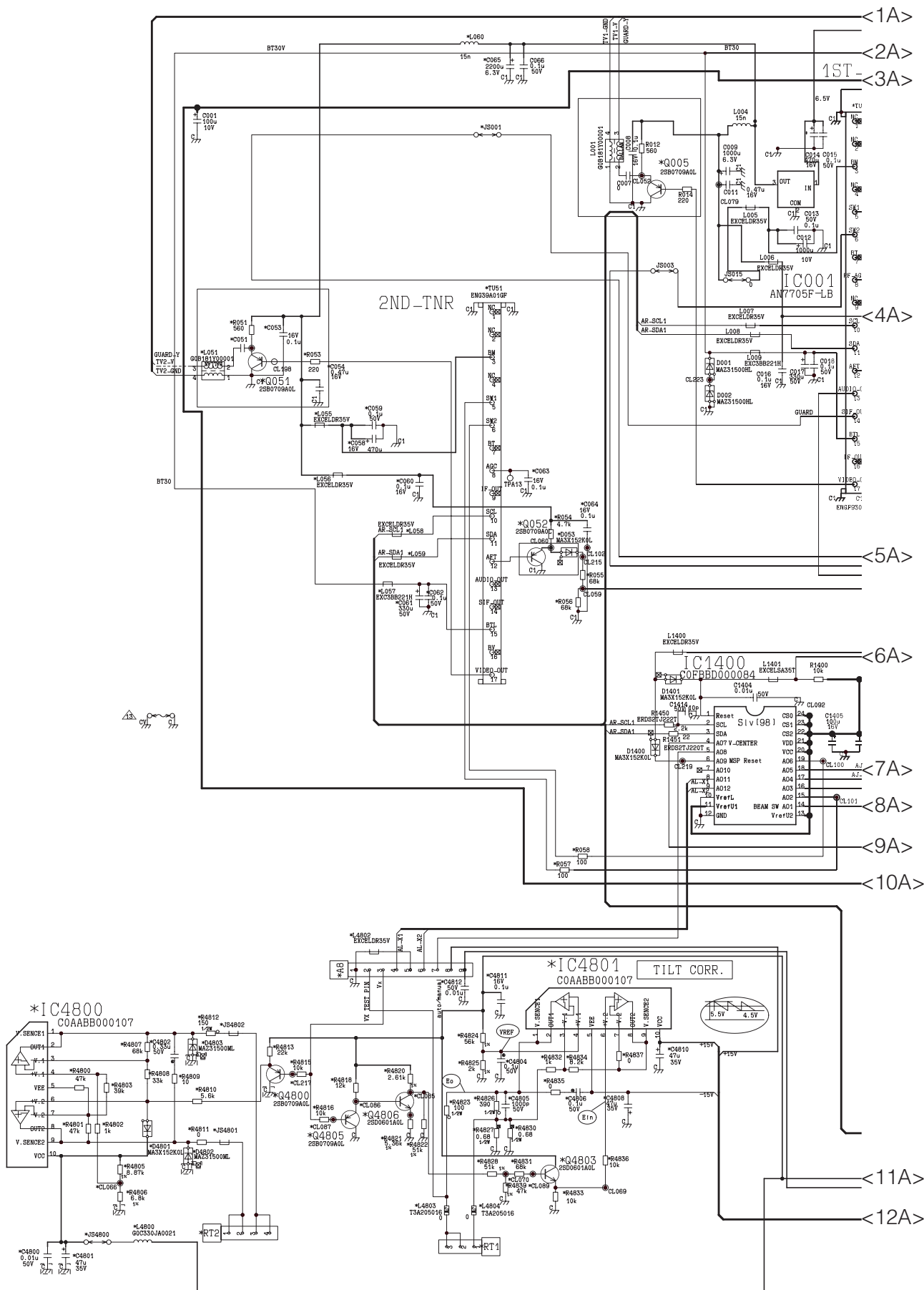


7.7.3. L Board (3/3)

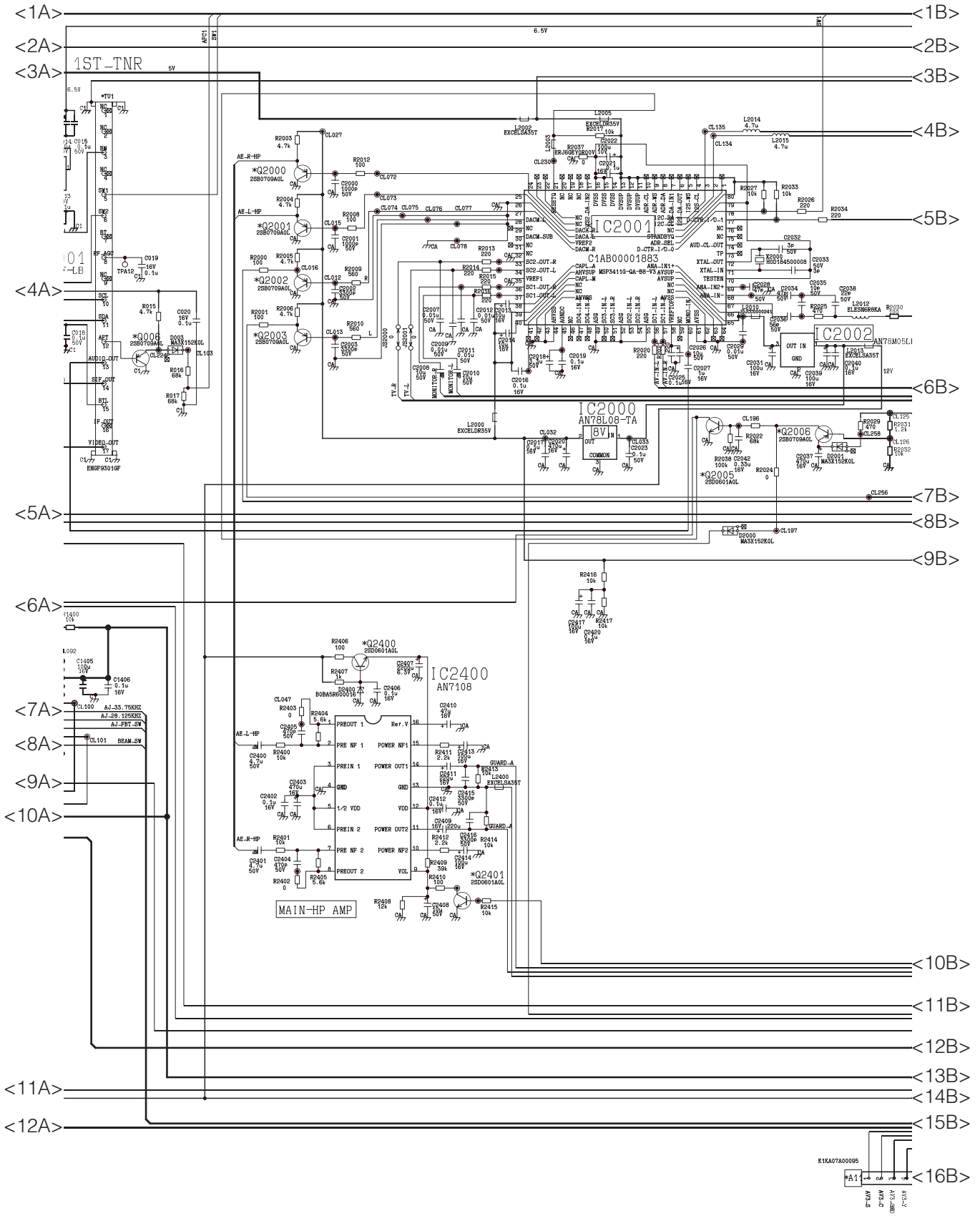


7.8. A Board

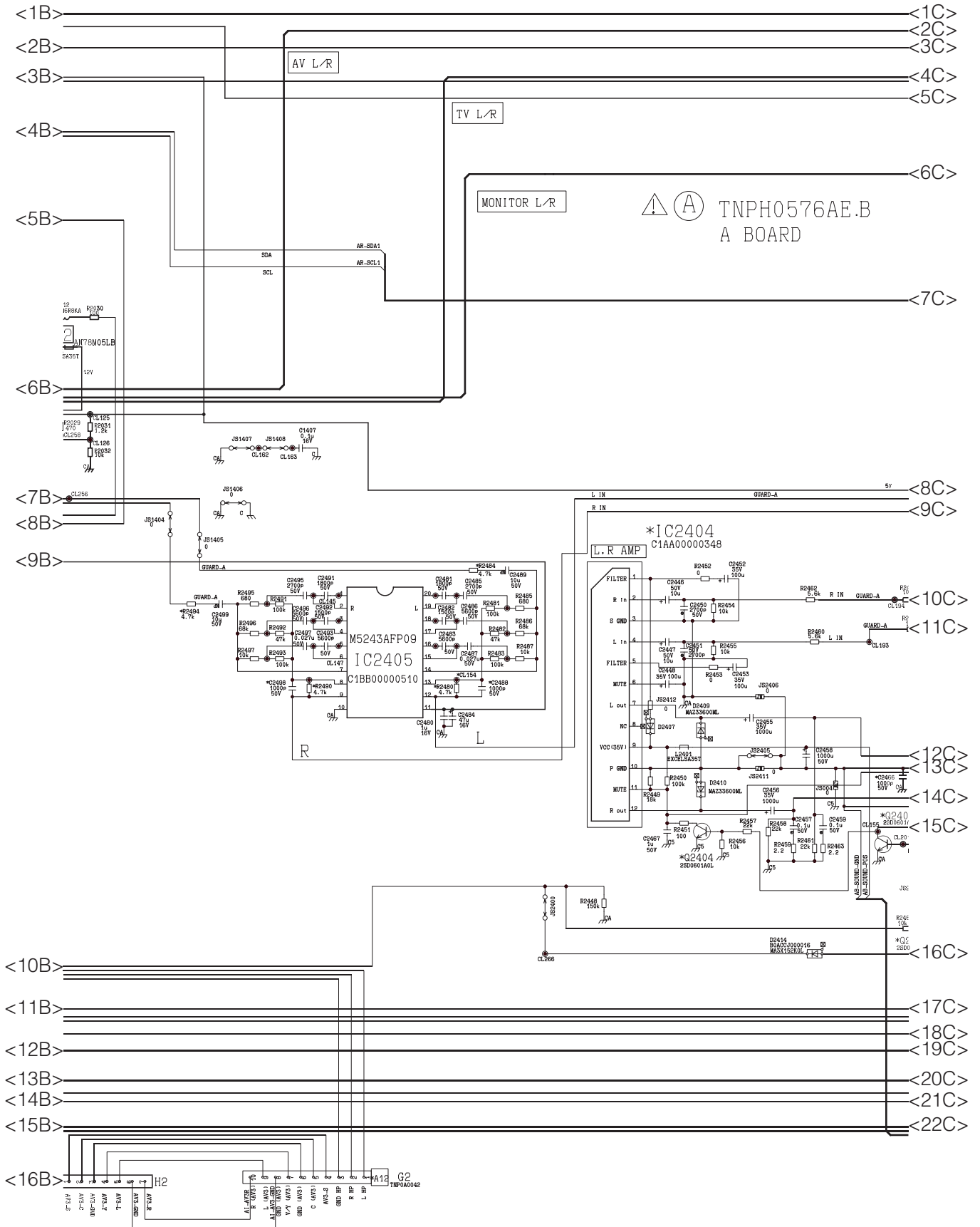
7.8.1. A Board (1/6)



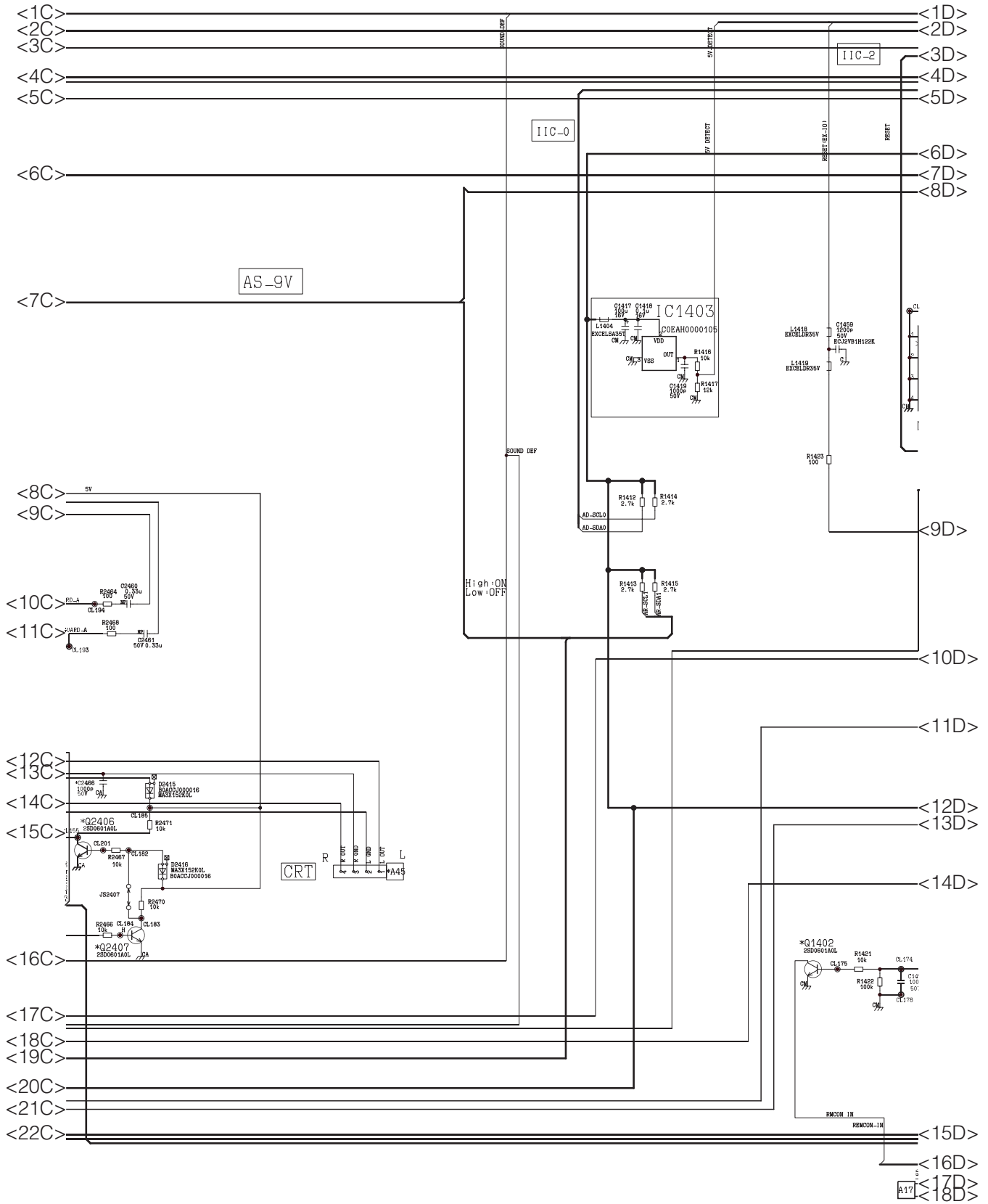
7.8.2. A Board (2/6)



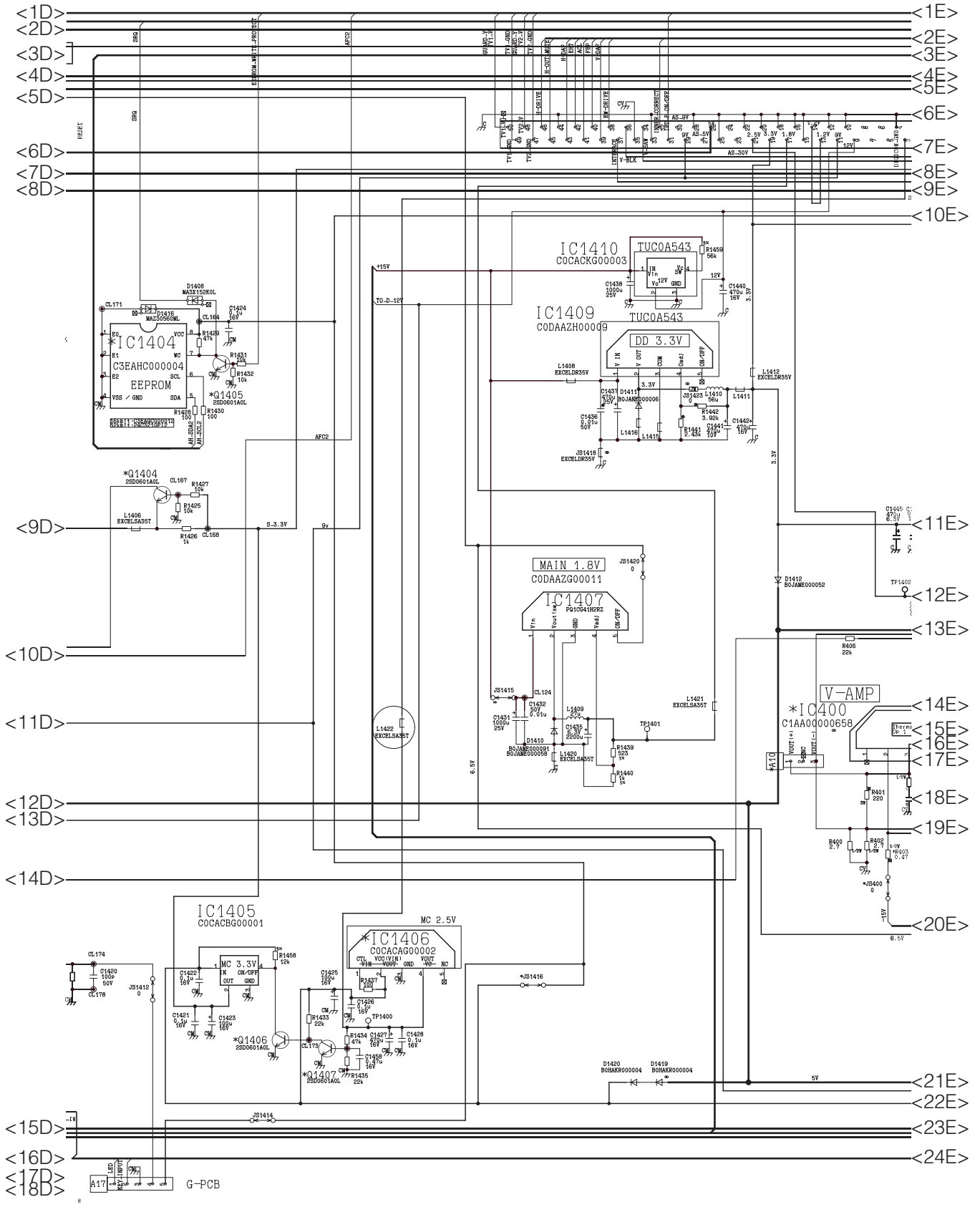
7.8.3. A Board (3/6)



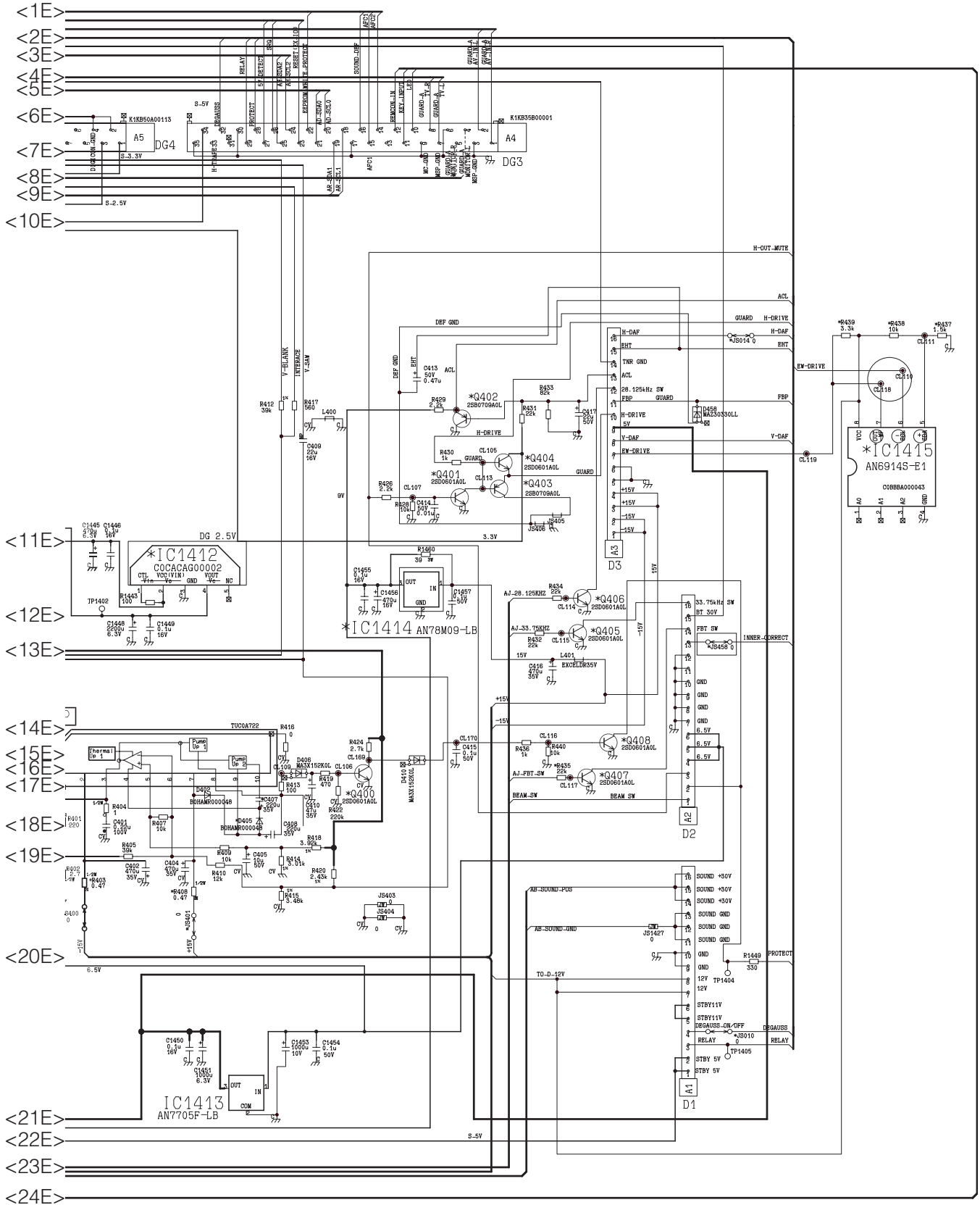
7.8.4. A Board (4/6)



7.8.5. A Board (5/6)

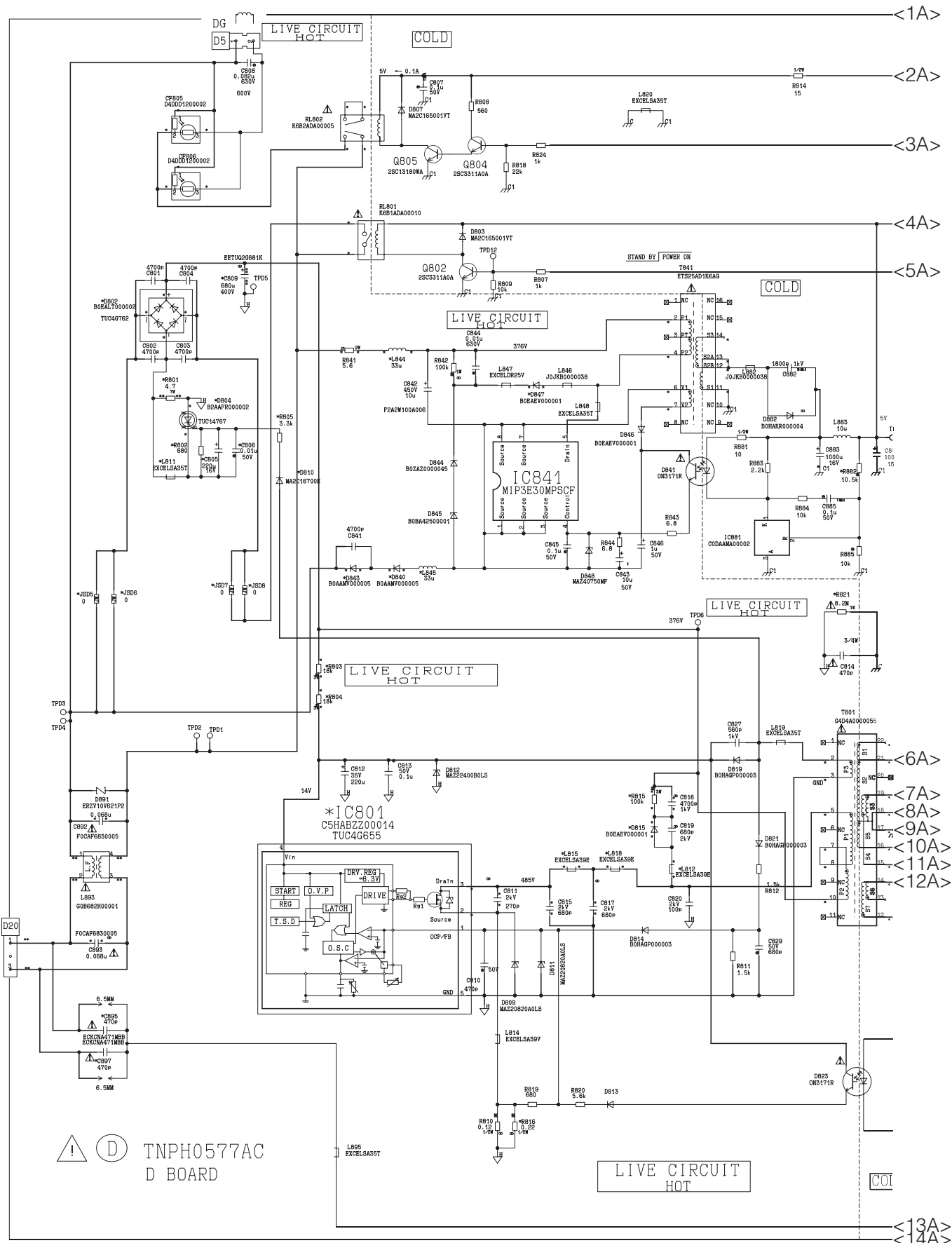


7.8.6. A Board (6/6)

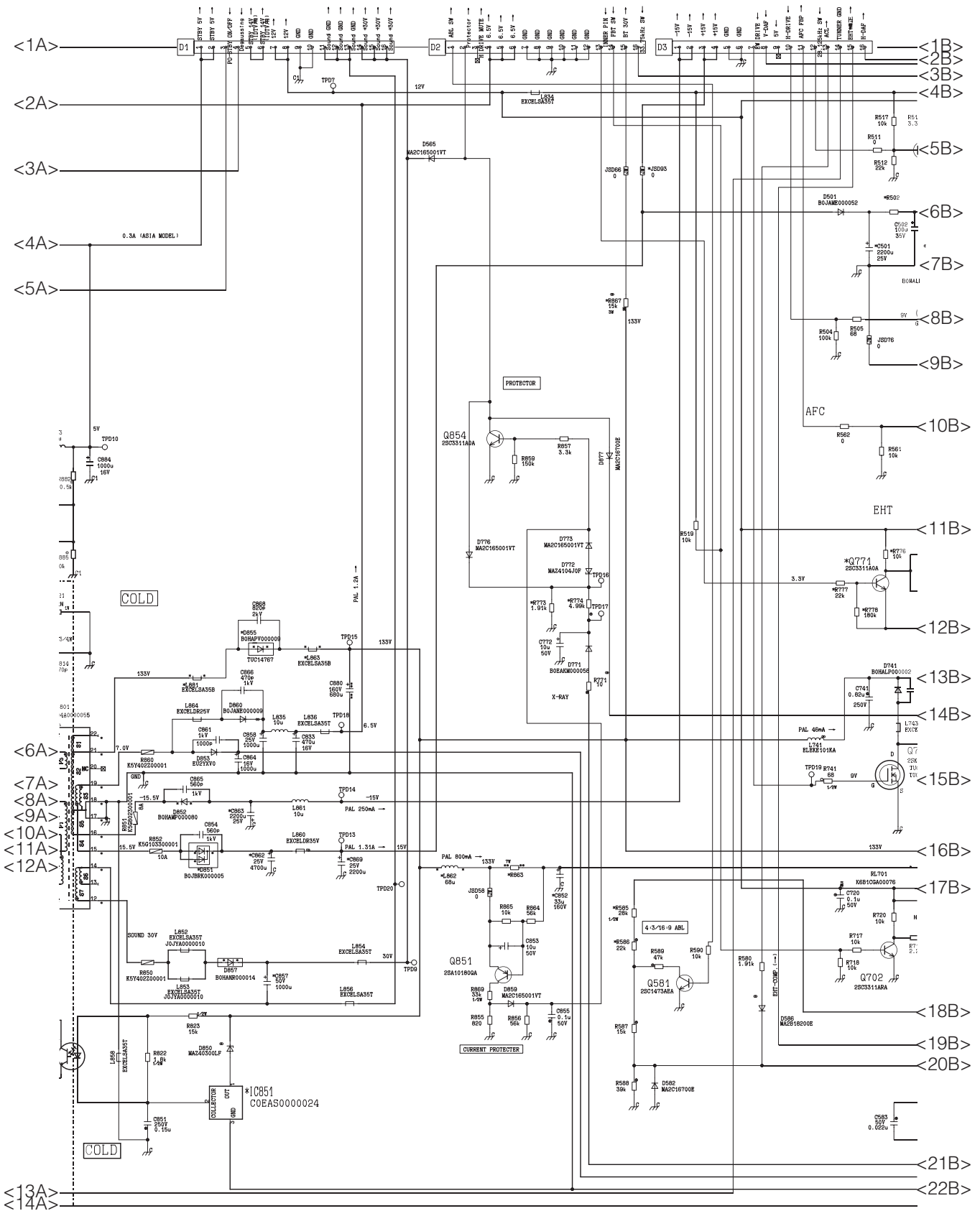


7.9. D Board

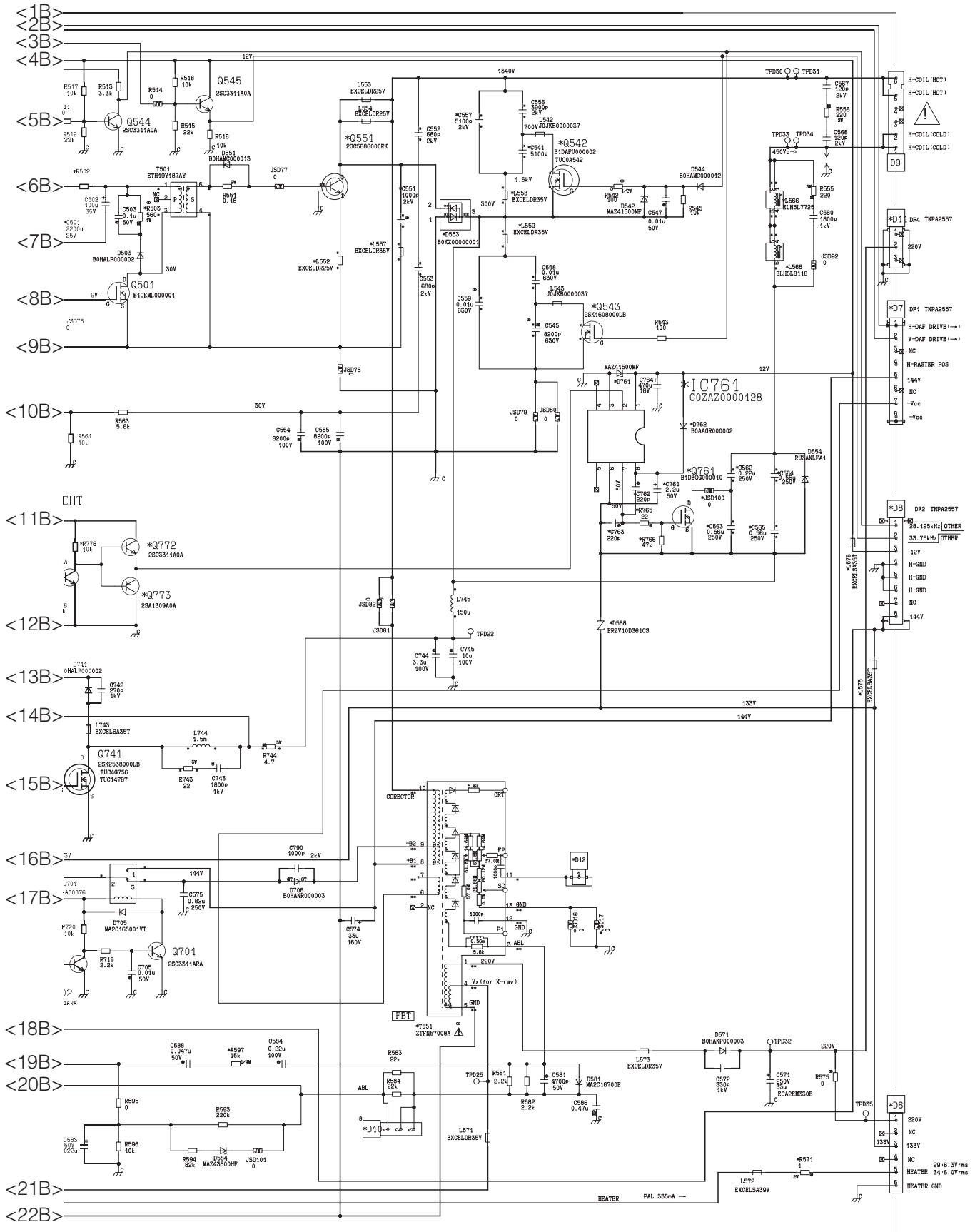
7.9.1. D Board (1/3)



7.9.2. D Board (2/3)



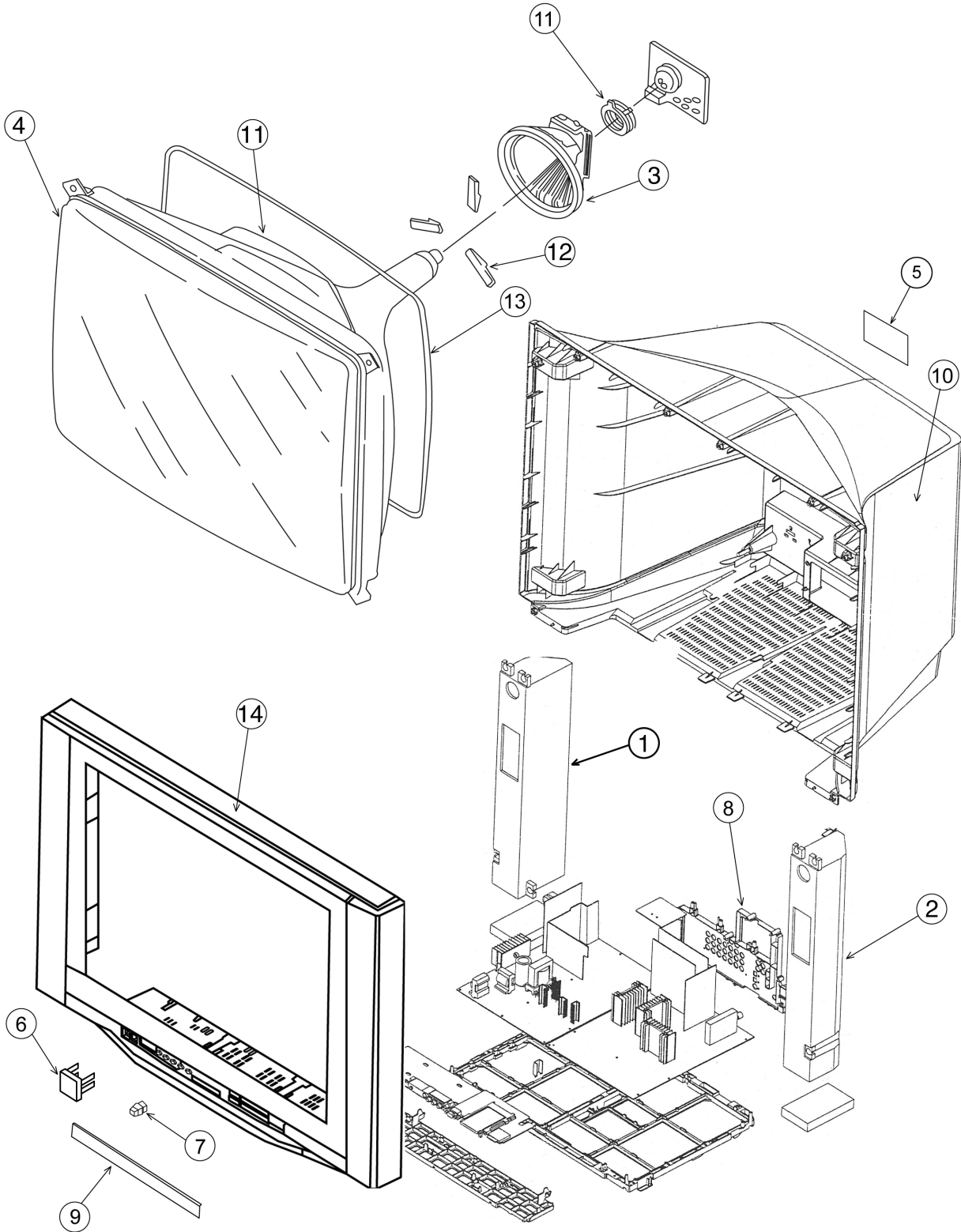
7.9.3. D Board (3/3)



8 Parts Location

PARTS LOCATION

Note: The number on mechanical parts indicates Ref. No. of Replacement Parts List.



9 Replacement Parts List

Important Safety Notice

Components identified by Δ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.

RTL (Retention Time Limited)

Note: Printed circuit board assembly with "NLA" is no longer available after production discontinuation of the complete set.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W
 Type Allowance

2. Capacitor

Example:

ECKF1H103ZF C 0.01UF, Z, 50V
 Type Allowance

Type	Allowance
C : Carbon	F : ±1%
F : Fuse	G : ±2%
M : Metal Oxide Metal Film	J : ±5%
	K : ±10%
S : Solid	M : ±20%
W : Wire Wound	

Type	Allowance
C : Ceramic	C : ±0.25pF
E : Electrolytic	D : ±0.5pF
P : Polyester	F : ±1pF
Polypropylene	G : ±3pF
	J : ±5pF
T : Tantalum	K : ±10pF
	L : ±15pF
	M : ±20pF
	P : +100%, -0%
	Z : +80%, -20%

9.1. Replacement Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
1	EABG12510AL2	SPEAKER BOX (L)	
2	EABG12510AR2	SPEAKER BOX (R)	
3	KDY43HF21F	DEFLECTION YOKE	△
4	M80LSW095X	PICTURE TUBE	△
	N2QAJB000109	REMOTE CONTROL	
	TBL4G3407	SET LEG	
5	TBM4G1111	MODEL NAME PLATE	△
6	TBX0A83401	POWER BUTTON	
7	TEKX008	DOOR CATCHER	
	TES4G406	COIL SPRING	
	THT4G1011R	CRT SCREW	
	THT4G1013R	SCREW	
	TJB1726400	75OHM ADAPTOR	
	TJS4G8150	AC PLUG ADAPTOR	
8	TKPOAA9403	REAR AV BRACKET	
9	TKP4G13130-1	DOOR	
10	TKU0A4004	BACK COVER	
11	TLK4G9041	ROTATION COIL	△
12	TMM4G503	RUBBER WEDGE	
	TMM4G902-3	RUBBER WASHER	
NLA	TNPOA0042AD	G BOARD	△
NLA	TNP4G118BL	GM BOARD	△
NLA	TNPA2557AQ	DF BOARD	△
NLA	TNPA3146AD	H BOARD	△
NLA	TNPA3147AH	DG BOARD	△
NLA	TNPA3148	L BOARD	△
NLA	TNPH0576AE.A	A BOARD	△
NLA	TNPH0577AC	D BOARD	△
	TPE4G14034	TOP COVER	
	TPE4G14046	SET COVER	
	TQB4G3778	FAN BAG	
	TSM10032-4	PURITY MAGNET	
	TSN63115-4	PURITY MAGNET	
13	TSPA139	DEGAUSSING COIL	△
	TSX4G193L	AC POWER CORD	△
14	TXFRY01KAB	CABINET ASSY	
	TXFPC03KAB	CARTON	
	TXFPD03KAB	CUSHION (TOP)	
	TXFPD04KAB	CUSHION (BOTTOM)	
	CAPACITORS		
C001	ECA1AM101B	E 100UF, 10V	
C007	ERJ6GEY0R00	M 00HM, J, 1/10W	
C008	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C009	ECA0JM102B	E 1000UF, 6.3V	
C011	ECJ2FB1C474K	C 0.47UF, K, 16V	
C012	EEUFC1A102LB	E 1000UF, 10V	
C013	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C014	ECA1CM471B	E 470UF, 16V	
C015	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C016	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C017	ECA1HM331B	E 0.33UF, 50V	
C018	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C019	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C020	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C051	ERJ6GEY0R00	M 00HM, J, 1/10W	
C053	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C054	ECJ2FB1C474K	C 0.47UF, K, 16V	
C058	ECA1CM471B	E 470UF, 16V	
C059	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C060	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C061	ECA1HM331B	E 0.33UF, 50V	
C062	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C063	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C064	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C065	ECA0JM222B	E 2200UF, 6.3V	
C066	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C1040	ECQB1H223JF	P 0.022UF, J, 50V	
C1041	ECA1HHG470	E 47UF, 50V	
C1043	ECQB1H471JF	P 470PF, J, 50V	
C1101	EEHBB1C470P	E 47UF, 16V	
C1102	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1104	EEHBB0J101P	E 100UF, 6.3V	

Ref. No.	Part No.	Part Name & Description	Remarks
C1105	EEHBB0G221P	E 220UF, 50V	
C1106	ECJ2VF1C105Z	C 1UF, Z, 16V	
C1107	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1108	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1109	ECJ1VB1C104K	C 0.1UF, K, 16V	
C1110	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1111	ECJ1VC1H151J	C 150PF, J, 50V	
C1112	ECJ3YB0J106K	C 10UF, K, 6.2V	
C1113	EEHBB0G221P	E 220UF, 50V	
C1114	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1115	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1116	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1117	ECJ3YB0J106K	C 10UF, K, 6.2V	
C1119	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1120	EEHBB0G221P	E 220UF, 50V	
C1121	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1122	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1123	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1124	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1126	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1127	ECJ1VC1H220J	C 22PF, J, 50V	
C1128	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1130	ECJ1VC1H220J	C 22PF, J, 50V	
C1131	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1133	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1135	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1136	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1137	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1138	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C1139	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1142	EEHBB1C100R	E 10UF, 16V	
C1143	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C1146	ECJ3YB0J335M	C 3.3UF, M, 6.3V	
C1148	EEHBB0G101R	E 100UF, 50V	
C1149	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1150	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1151	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1152	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1153	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1154	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1155	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1156	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C1157	ECJ3YB0J335M	C 3.3UF, M, 6.3V	
C1158	ECJ1VB1C103K	C 0.01UF, K, 16V	
C1159	ECJ3YB0J106K	C 10UF, K, 6.2V	
C1404	ECJ1VF1H103Z	C 0.01UF, Z, 50V	
C1405	ECA1CM101B	E 100UF, 16V	
C1406	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C1407	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C1414	ECJ2VC1H100J	C 10UF, J, 50V	
C1417	ECA1CM101B	E 100UF, 16V	
C1418	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C1419	ECJ2VC1H102J	C 1000PF, J, 50V	
C1420	ECUX1H101JCK	C 100PF, J, 50V	
C1421	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C1422	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C1423	ECA1CM101B	E 100UF, 16V	
C1424	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C1425	ECA1CM101B	E 100UF, 16V	
C1426	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C1427	ECA1CM471B	E 470UF, 16V	
C1428	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C1431	EEUFC1E102E	E 1000UF, 25V	
C1432	ECJ1VB1H103K	C 0.01UF, K, 50V	
C1435	ECA0JM222B	E 2200UF, 6.3V	
C1436	ECQB1H103KF	P 0.01UF, 50V	
C1437	ECA1EM471B	E 470UF, 25V	
C1438	ECA1EM102B	E 1000UF, 25V	
C1440	ECA1CM471B	E 470UF, 16V	
C1441	F2A1A471A106	E 470UF, 10V	
C1442	ECA1CHG471	E 470UF, 16V	
C1445	ECA0JM471B	E 470UF, 6.3V	
C1446	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C1448	ECA0JM222B	E 2200UF, 6.3V	

Ref. No.	Part No.	Part Name & Description	Remarks
C1449	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C1450	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C1451	ECA0JM102B	E 1000UF, 6.3V	
C1453	EEUF1A102LB	E 1000UF, 10V	
C1454	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C1455	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C1456	ECA1CM471B	E 470UF, 16V	
C1457	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C1458	ECJ2FB1C474K	C 0.47UF, K, 16V	
C1459	ECJ2VB1H122K	C 1200PF, K, 50V	
C2000	ECJ2VB1H102K	C 1000PF, K, 50V	
C2001	ECJ2VB1H102K	C 1000PF, K, 50V	
C2002	ECJ2VB1H332K	C 3300PF, K, 50V	
C2003	ECJ2VB1H332K	C 3300PF, K, 50V	
C2007	ECJ2VB1H103K	C 0.01UF, K, 50V	
C2008	ECEA1HN100U	E 10UF, 50V	
C2009	ECJ2VB1H103K	C 0.01UF, K, 50V	
C2010	ECEA1HN100U	E 10UF, 50V	
C2011	ECJ2VB1H103K	C 0.01UF, K, 50V	
C2012	ECJ2VB1H103K	C 0.01UF, K, 50V	
C2013	ECA1CM100B	E 10UF, 16V	
C2014	ECA1CM100B	E 10UF, 16V	
C2016	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C2017	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C2018	ECA1HM3R3B	E 3.3UF, 50V	
C2019	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C2020	ECA1CM471B	E 470UF, 16V	
C2021	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C2022	ECA1AM101B	E 100UF, 10V	
C2023	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C2025	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C2026	ECA1HM100B	E 10UF, 50V	
C2027	ECJ2VF1C105Z	C 1UF, Z, 16V	
C2028	ECJ2VC1H470J	C 47PF, J, 50V	
C2029	ECJ2VB1H103K	C 0.01UF, K, 50V	
C2031	ECA1CM101B	E 100UF, 16V	
C2032	ECJ2VC1H030C	C 3PF, C, 50V	
C2033	ECJ2VC1H030C	C 3PF, C, 50V	
C2034	ECJ2VC1H470J	C 47PF, J, 50V	
C2035	ECJ2VC1H100J	C 10PF, J, 50V	
C2036	ECJ2VC1H560J	C 56PF, J, 50V	
C2037	ECA1CM471B	E 470UF, 16V	
C2038	ECUX1H220JCX	C 22PF, J, 50V	
C2039	ECA1CM101B	E 100UF, 16V	
C2040	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C2042	ECJ1VF1C334Z	C 0.33UF, Z, 50V	
C2400	ECEA1HN4R7U	E 4.7UF, 50V	
C2401	ECEA1HN4R7U	E 4.7UF, 50V	
C2402	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C2403	ECA1CM471B	E 470UF, 16V	
C2404	ECJ2VC1H471J	C 470PF, J, 50V	
C2405	ECJ2VC1H471J	C 470PF, J, 50V	
C2406	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C2407	ECA0JM222B	E 2200UF, 6.3V	
C2408	ECA1HM100B	E 10UF, 50V	
C2409	ECA1CM221B	E 220UF, 16V	
C2410	ECA1CM470B	E 47UF, 16V	
C2411	ECA1CM221B	E 220UF, 16V	
C2412	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C2413	ECA1CM101B	E 100UF, 16V	
C2414	ECA1CM101B	E 100UF, 16V	
C2415	ECJ2VB1H332K	C 3300PF, K, 50V	
C2416	ECJ2VB1H332K	C 3300PF, K, 50V	
C2417	ECA1CM101B	E 100UF, 16V	
C2420	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C2446	ECA1HM100B	E 10UF, 50V	
C2447	ECA1HHG100	E 10UF, 50V	
C2448	ECA1VM101B	E 100UF, 35V	
C2450	ECQB1H272JF	P 2700PF, J, 50V	
C2451	ECQB1H272JF	P 2700PF, J, 50V	
C2452	ECA1VM101B	E 100UF, 35V	
C2453	ECA1VM101B	E 100UF, 35V	
C2455	F2A1V102A188	E 1000UF, 35V	
C2456	F2A1V102A188	E 1000UF, 35V	

Ref. No.	Part No.	Part Name & Description	Remarks
C2457	ECQV1H104JL	P 0.1UF, J, 50V	
C2458	F2B1H102A007	E 1000UF, 50V	
C2459	ECQV1H104JL	P 0.1UF, J, 50V	
C2460	ECEA1HNR33U	E 0.33UF, 50V	
C2461	ECEA1HNR33U	E 0.33UF, 50V	
C2466	F4Y5P4B102K	C 1000PF, K, 50V	
C2467	F1K1H1050002	C 1UF, K, 50V	
C2480	ECJ2VF1C105Z	C 1UF, Z, 16V	
C2481	ECJ2VB1H182K	C 1800PF, K, 50V	
C2482	ECJ2VB1H152K	C 1500PF, K, 50V	
C2483	ECJ2VB1H562K	C 5600PF, K, 50V	
C2484	ECA1CM470B	E 47UF, 16V	
C2485	ECJ2VB1H272K	C 2700PF, K, 50V	
C2486	ECJ2VB1H562K	C 5600PF, K, 50V	
C2487	ECJ2VB1H273K	C 0.027UF, K, 50V	
C2488	ECJ2VC1H102J	C 1000PF, J, 50V	
C2489	ECEA1HN100U	E 10UF, 50V	
C2491	ECJ2VB1H182K	C 1800PF, K, 50V	
C2492	ECJ2VB1H152K	C 1500PF, K, 50V	
C2493	ECJ2VB1H562K	C 5600PF, K, 50V	
C2495	ECJ2VB1H272K	C 2700PF, K, 50V	
C2496	ECJ2VB1H562K	C 5600PF, K, 50V	
C2497	ECJ2VB1H273K	C 0.027UF, K, 50V	
C2498	ECJ2VC1H102J	C 1000PF, J, 50V	
C2499	ECEA1HN100U	E 10UF, 50V	
C3009	ECJ2VC1H561J	C 560PF, J, 50V	
C3011	ECJ2VC1H561J	C 560PF, J, 50V	
C3015	ECJ2VC1H561J	C 560PF, J, 50V	
C3017	ECJ2VC1H561J	C 560PF, J, 50V	
C3020	ECJ2VF1C105Z	C 1UF, Z, 16V	
C3022	ECJ2FF1E105Z	C 1UF, Z, 16V	
C3023	ECJ2VC1H561J	C 560PF, J, 50V	
C3026	ECJ2VC1H561J	C 560PF, J, 50V	
C3032	ECJ2VC1H561J	C 560PF, J, 50V	
C3033	ECJ2VC1H561J	C 560PF, J, 50V	
C3034	ECA1EM471B	E 470UF, 25V	
C3040	ECJ2FF1E105Z	C 1UF, Z, 16V	
C3041	F1H1A1050028	P 1UF, 10V	
C3042	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C3043	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C3045	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C3050	F1H1A1050028	P 1UF, 10V	
C3051	F1H1A1050028	P 1UF, 10V	
C3052	ECJ2FF1E105Z	C 0.1UF, Z, 16V	
C3053	F1H1A1050028	P 1UF, 10V	
C3056	ECJ2FF1E105Z	C 0.1UF, Z, 16V	
C3057	ECJ2FF1E105Z	C 0.1UF, Z, 16V	
C3058	F1H1A1050028	P 1UF, 10V	
C3062	ECJ2FF1E105Z	C 0.1UF, Z, 16V	
C3063	ECJ2VB1H562J	C 5600PF, J, 50V	
C3065	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C3066	ECA1CM220B	E 220UF, 16V	
C3067	ECJ2VB1H562J	C 5600PF, J, 50V	
C3070	ECJ2FF1E105Z	C 0.1UF, Z, 16V	
C3071	ECJ1VF1A105Z	C 1UF, Z, 10V	
C3072	ECJ1VF1A105Z	C 1UF, Z, 10V	
C3073	ECJ1VF1A105Z	C 1UF, Z, 10V	
C3074	ECJ1VF1A105Z	C 1UF, Z, 10V	
C3078	ECJ2FF1E105Z	C 0.1UF, Z, 16V	
C3079	ECJ1VF1A105Z	C 1UF, Z, 10V	
C3080	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3081	ECJ1VF1A105Z	C 1UF, Z, 10V	
C3082	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C3083	ECJ1VF1A105Z	C 1UF, Z, 10V	
C3084	ECJ1VF1A105Z	C 1UF, Z, 10V	
C3085	ECJ2FF1E105Z	C 0.1UF, Z, 16V	
C3086	ECA1CM220B	E 220UF, 16V	
C3087	ECJ1VF1A105Z	C 1UF, Z, 10V	
C3088	ECJ2FF1E105Z	C 0.1UF, Z, 16V	
C3089	ECJ1VF1A105Z	C 1UF, Z, 10V	
C3093	ECJ2FF1E105Z	C 0.1UF, Z, 16V	
C3097	F1H1A1050028	C 1UF, 10V	
C3101	ECQB1H333JF	P 0.033UF, J, 50V	
C3102	ECQB1H333JF	P 0.033UF, J, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C3107	ECQB1H561JF	P 560PF, J, 50V	
C3109	ECQB1H561JF	P 560PF, J, 50V	
C3111	ECQB1H103JF	P 0.01UF, 50V	
C3115	ECA0JM471B	E 470UF, 6.3V	
C3116	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C3117	ECEA1AKA221	E 220UF, 10V	
C3119	ECEA1AKA221	E 220UF, 10V	
C3120	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C352	ECJ2VB1H103K	C 0.01UF, K, 50V	
C354	ECJ2VB1H223K	C 0.022UF, K, 50V	
C355	ECQE2104KF	P 0.1UF, K, 250V	
C356	ECUX1H100FCN	C 10PF, F, 50V	
C357	ECKR3A561KBP	C 560PF, K, 1KV	
C359	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C360	ECA1CM471B	E 470UF, 16V	
C361	ECJ2VB1H103K	C 0.01UF, K, 50V	
C363	ECJ2VB1H223K	C 0.022UF, K, 50V	
C364	ECJ2VC1H120J	C 12PF, J, 50V	
C365	ECQE2104KF	P 0.1UF, K, 250V	
C366	ECKR3A561KBP	C 560PF, K, 1KV	
C371	ECJ2VB1H103K	C 0.01UF, K, 50V	
C373	ECJ2VB1H103K	C 0.01UF, K, 50V	
C374	ECUX1H100FCN	C 10PF, F, 50V	
C375	ECQE2104KF	P 0.1UF, K, 250V	
C376	ECKR3A561KBP	C 560PF, K, 1KV	
C380	ECA1HM101B	E 100UF, 50V	
C383	ECA1CM222B	E 2200UF, 16V	
C389	ECA2EM100B	E 10UF, 250V	
C390	ECA1HM100B	E 10UF, 50V	
C391	ECKW3D332KBP	C 3300PF, K, 2KV	
C4001	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4002	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4003	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4004	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4005	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4006	ECJ1VB1H103K	C 0.01UF, K, 50V	
C4007	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4009	ECJ1VB1C104K	C 0.1UF, K, 16V	
C401	ECQB1224KF	P 0.22UF, K, 100V	
C4010	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4011	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4014	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4015	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4016	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4017	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4018	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4019	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C402	ECA1VM471B	E 470UF, 35V	
C4020	ECJ1VC1H680J	C 68PF, J, 50V	
C4021	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4022	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4023	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4024	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4025	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4026	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4027	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4028	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4029	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4030	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4031	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4032	ECJ1VC1H680J	C 68PF, J, 50V	
C4033	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4034	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4035	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4036	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4037	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4038	ECJ1VB1C103K	C 0.01UF, K, 16V	
C4039	ECJ1VF1A105Z	C 1UF, Z, 10V	
C404	ECA1VM471B	E 470UF, 35V	
C4040	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4041	ECJ1VB1C103K	C 0.01UF, K, 16V	
C4042	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4043	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4044	ECJ1VC1H150J	C 15PF, J, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C4046	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4047	ECJ1VC1H220J	C 22PF, J, 50V	
C4048	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4049	ECJ1VF1A105Z	C 1UF, Z, 10V	
C405	ECA1HM100B	E 10UF, 50V	
C4051	ECJ1VC1H220J	C 22PF, J, 50V	
C4053	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4054	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4057	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4060	ECJ3YB0J106K	C 10UF, K, 6.2V	
C4061	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4062	ECJ1VC1H150J	C 15PF, J, 50V	
C4065	EEEB1C470P	E 47UF, 16V	
C4066	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4067	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4068	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4069	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C407	ECA1VM221B	E 220UF, 35V	
C4070	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4071	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4072	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4073	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4074	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4075	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C408	ECA1VM221B	E 220UF, 35V	
C409	ECEA1CN220U	E 22UF, 16V	
C410	ECA1VM470B	E 47UF, 35V	
C413	ECA1HMR47B	E 0.47UF, 50V	
C414	ECJ1VB1H103K	C 0.01UF, K, 50V	
C415	ECJ2VF1H104Z	C 0.1UF, Z, 50V	
C416	ECA1VM471B	E 470UF, 35V	
C417	ECA1HM220B	E 22UF, 50V	
C4201	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4202	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4203	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4204	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4205	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4206	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4207	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4208	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4209	ECJ1VC1H180J	C 18PF, J, 50V	
C4210	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4211	ECJ1VC1H180J	C 18PF, J, 50V	
C4213	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4214	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4215	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4216	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4217	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4218	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4219	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4220	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4221	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4223	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4224	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4225	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4226	ECJ1VB1C103K	C 0.01UF, K, 16V	
C4227	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4228	ECJ1VC1H680J	C 68PF, J, 50V	
C4229	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4230	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4231	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4232	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4233	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4234	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4235	ECJ1VC1H102J	C 1000PF, J, 50V	
C4236	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4237	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4238	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4242	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4243	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4246	ECJ1VC1H120J	C 12PF, J, 50V	
C4247	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4249	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4250	ECJ1VC1H120J	C 12PF, J, 50V	

Ref. No.	Part No.	Part Name & Description	Remarks
C4254	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4255	ECJ3YB0J106K	C 10UF, K, 6.2V	
C4256	ECJ1VCLH050C	C 5PF, C, 50V	
C4257	ECJ1VCLH270J	C 27PF, J, 50V	
C4258	ECJ1VCLH120J	C 12PF, J, 50V	
C4259	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4260	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4265	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4266	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4267	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4268	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4269	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4270	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4271	ECJ1VFLH103Z	C 0.01UF, Z, 50V	
C4272	ECJ1VFLH103Z	C 0.01UF, Z, 50V	
C4273	ECJ1VFLH103Z	C 0.01UF, Z, 50V	
C4274	ECJ1VFLH103Z	C 0.01UF, Z, 50V	
C4401	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4402	ECJ1VFLH104Z	C 0.1UF, Z, 50V	
C4403	ECJ1VFLH104Z	C 0.1UF, Z, 50V	
C4404	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4405	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4406	ECJ1VFLH104Z	C 0.1UF, Z, 50V	
C4407	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4408	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4409	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4410	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4411	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4412	ECJ1VFLH104Z	C 0.1UF, Z, 50V	
C4413	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4414	ECJ1VFLH104Z	C 0.1UF, Z, 50V	
C4415	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4416	ECJ1VFLH104Z	C 0.1UF, Z, 50V	
C4417	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4418	ECJ1VFLH104Z	C 0.1UF, Z, 50V	
C4419	EEVHB0G221P	E 220UF, 4V	
C4420	ECJ1VFLH104Z	C 0.1UF, Z, 50V	
C4421	ECJ1VFLH104Z	C 0.1UF, Z, 50V	
C4422	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4423	ECJ1VFLH104Z	C 0.1UF, Z, 50V	
C4424	ECJ1VFLH104Z	C 0.1UF, Z, 50V	
C4425	ECJ1VFLH104Z	C 0.1UF, Z, 50V	
C4426	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4427	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4428	ECJ1VB1C223K	C 0.022UF, K, 16V	
C4429	ECJ1VFLH104Z	C 0.1UF, Z, 50V	
C4430	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4431	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4432	ECJ1VB1C563K	C 0.056UF, K, 16V	
C4433	ECJ2YB0J335K	C 3.3UF, K, 10V	
C4434	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4435	ECJ1VB1H103K	C 0.01UF, K, 50V	
C4436	ECJ1VCLH151J	C 150PF, J, 50V	
C4437	ECJ1VB1C563K	C 0.056UF, K, 16V	
C4438	ECJ1VCLH471J	C 470PF, J, 50V	
C4439	ECJ2VB1H272K	C 2700PF, K, 50V	
C4440	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4442	ECJ2VFLH103Z	C 0.01UF, Z, 50V	
C4443	ECJ1VB1H103K	C 0.01UF, K, 50V	
C4444	ECJ1VB1C393K	C 0.039UF, K, 16V	
C4445	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4447	ECJ1VB1H103K	C 0.01UF, K, 50V	
C4448	ECJ1VB1H103K	C 0.01UF, K, 50V	
C4450	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4451	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4452	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4453	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4455	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4456	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4457	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4458	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4459	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4460	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4461	ECJ1VB1C104K	C 0.1UF, K, 16V	

Ref. No.	Part No.	Part Name & Description	Remarks
C4464	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4465	ECJ1VB1H103K	C 0.01UF, K, 50V	
C4466	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4467	ECJ1VB1C103K	C 0.01UF, K, 16V	
C4468	ECJ1VB1H103K	C 0.01UF, K, 50V	
C4469	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4471	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4482	ERJ3GEYJ331	M 3300HM, J, 1/16W	
C4485	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4488	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4493	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4494	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4495	ECJ1VCLH471J	C 470PF, J, 50V	
C4496	ECJ1VCLH121J	C 120PF, J, 50V	
C4498	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4500	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4501	ECJ1VCLH390J	C 39PF, J, 50V	
C4502	ECJ1VCLH390J	C 39PF, J, 50V	
C4504	ECJ1VCLH390J	C 39PF, J, 50V	
C4505	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4506	ECJ1VCLH102J	C 1000PF, J, 50V	
C4507	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4508	ECJ1VCLH102J	C 1000PF, J, 50V	
C4509	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4510	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4511	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4512	ECJ1VCLH102J	C 1000PF, J, 50V	
C4513	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4514	ECJ1VCLH102J	C 1000PF, J, 50V	
C4515	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4517	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4518	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4519	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4520	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4524	ECJ3YB0J106K	C 10UF, K, 6.2V	
C4525	ECJ3YB0J106K	C 10UF, K, 6.2V	
C4531	ECJ1VCLH102J	C 1000PF, J, 50V	
C4532	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4533	ECJ1VCLH102J	C 1000PF, J, 50V	
C4534	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4535	ECJ1VCLH102J	C 1000PF, J, 50V	
C4536	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4539	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4540	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4543	ECJ1VCLH102J	C 1000PF, J, 50V	
C4545	ECJ1VCLH102J	C 1000PF, J, 50V	
C4546	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4547	ECJ1VCLH102J	C 1000PF, J, 50V	
C4548	ECJ1VCLH102J	C 1000PF, J, 50V	
C4549	ECJ1VCLH102J	C 1000PF, J, 50V	
C4552	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4553	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4554	ECJ1VCLH102J	C 1000PF, J, 50V	
C4555	ECJ1VCLH102J	C 1000PF, J, 50V	
C4557	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4558	ECJ1VFC104Z	C 0.1UF, Z, 16V	
C4565	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4566	ECJ1VB1H103K	C 0.01UF, K, 50V	
C4567	ECJ1VB1C103K	C 0.01UF, K, 16V	
C4568	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4569	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4570	ECJ1VB1H103K	C 0.01UF, K, 50V	
C4571	ECJ1VB1C103K	C 0.01UF, K, 16V	
C4572	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4573	ECJ1VB1H103K	C 0.01UF, K, 50V	
C4574	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4575	ECJ1VB1H103K	C 0.01UF, K, 50V	
C4576	ECJ1VB1H103K	C 0.01UF, K, 50V	
C4577	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4578	ECJ1VB1H103K	C 0.01UF, K, 50V	
C4579	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4580	ECJ1VB1C103K	C 0.01UF, K, 16V	
C4581	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4582	ECJ1VB0J105K	C 1UF, K, 6.3V	

Ref. No.	Part No.	Part Name & Description	Remarks
C4583	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4584	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4585	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4586	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4587	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4588	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4589	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4590	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4591	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4592	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4593	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4594	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4595	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4596	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4597	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4598	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4600	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4601	ECJ1VB1H103K	C 0.01UF, K, 50V	
C4602	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4603	ECJ1VB0J105K	C 1UF, K, 6.3V	
C4604	EEVHB0G221P	E 220UF, 4V	
C4606	EEUF1A471B	E 470UF, 10V	
C4607	EEUF1A471B	E 470UF, 10V	
C4610	EEHB0J470R	E 47UF, 6.3V	
C4611	F2H1C220A009	E 22UF, 16V	
C4612	EEHB1C100R	E 10UF, 16V	
C4613	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4614	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4617	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4618	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4619	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4620	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4621	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4622	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4623	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4624	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4625	ECJ1VC1H102J	C 1000PF, J, 50V	
C4626	ECJ1VF1C104Z	C 0.1UF, Z, 16V	
C4627	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4628	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4629	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4630	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4631	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4632	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4633	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4634	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4635	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4636	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4637	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4638	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4639	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4640	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4641	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4642	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4643	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4644	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4645	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4646	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4647	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4648	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4649	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4650	ECJ1VC1H100D	C 10PF, D, 50V	
C4651	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4652	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4653	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4654	ECJ1VC1H040C	C 4PF, D, 50V	
C4655	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4656	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4657	ECJ1VB1C103K	C 0.01UF, K, 16V	
C4658	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4659	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4660	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4661	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4662	ECJ1VF1A105Z	C 1UF, Z, 10V	

Ref. No.	Part No.	Part Name & Description	Remarks
C4663	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4664	ECJ1VB1C103K	C 0.01UF, K, 16V	
C4665	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4666	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4667	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4668	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4669	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4670	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4671	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4672	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4673	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4674	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4675	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4676	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4677	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4678	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4679	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4680	ECJ1VF1A105Z	C 1UF, Z, 10V	
C4800	ECJ2VB1H103K	C 0.01UF, K, 50V	
C4801	ECA1VM470B	E 47UF, 35V	
C4802	ECQV1H334JM	P 0.33UF, J, 50V	
C4804	ECQB1H104JF	P 0.1UF, 50V	
C4805	ECJ2VB1H102K	C 1000PF, K, 50V	
C4806	ECQB1H104JF	P 0.1UF, 50V	
C4808	ECA1VM470B	E 47UF, 35V	
C4809	ECQV1H334JM	P 0.33UF, J, 50V	
C4810	ECA1VM470B	E 47UF, 35V	
C4810	ECA1VM470B	E 47UF 35V (GM BOARD ONLY)	
C4811	ECJ1VB1C104K	C 0.1UF, K, 16V	
C4811	ECJ2VB1H103K	C 0.01UF K 50V (GM BOARD ONLY)	
C4812	ECA1HM100B	E 10UF 50V (GM BOARD ONLY)	
C4812	ECJ1VB1H103K	C 0.01UF, K, 50V	
C4813	ECA1CM101B	E 100UF, 16V	
C4814	ECA1CM101B	E 100UF, 16V	
C4822	ECHU1C103JA5	P 0.01UF, J, 16V	
C4823	ECEA1CN100U	E 10UF, 16V	
C4824	ECEA1CN100U	E 10UF, 16V	
C4825	EEUF1C560B	E 56UF, 16V	
C4826	ECA1HM4R7B	E 4.7UF, 50V	
C4827	ECA1HM4R7B	E 4.7UF, 50V	
C4828	ECQV1H334JM	P 0.33UF, J, 50V	
C501	ECA1EM222B	E 2200UF, 25V	
C502	ECA1VM101B	E 100UF, 35V	
C503	ECQV1H104JL	P 0.1UF, J, 50V	
C520	ECA0JM331B	E 330UF, 6.3V	
C521	ECKR3A152KBP	C 1500PF, K, 1KV	
C522	ECKW3A471KBP	C 470PF, K, 1KV	
C523	ECKR3A151KBP	C 150PF, K, 1KV	
C524	ECQM6223JZ	P 0.022UF, J, 600V	
C525	ECQM4223JZ	P 0.022UF, J, 400V	
C526	ECKR3D151KBP	C 150PF, K, 2KV	
C527	ECA1HM010B	E 1UF, 50V	
C528	ECKR3D471KBP	C 470PF, K, 2KV	
C529	ECA1HM100B	E 10UF, 50V	
C530	ECKR3A391KBP	C 390PF, K, 1KV	
C531	ECKR3D102KBP	C 1000PF, K, 2KV	
C532	ECKR3A102KBP	C 1000PF, K, 1KV	
C533	ECKR3A102KBP	C 1000PF, K, 1KV	
C541	ECWH16512JVB	P 5100PF, J, 1.6KV	
C545	ECQF6822JZ	P 8200PF, J, 630V	
C547	ECQB1H103JF	P 0.01UF, 50V	
C551	ECWH20102JVY	P 1000PF, J, 2KV	
C552	ECKW3D681JBR	C 680PF, J, 2KV	
C553	ECKW3D681JBR	C 680PF, J, 2KV	
C554	ECQP1822JZ	P 8200PF, J, 100V	
C555	ECQP1822JZ	P 8200PF, J, 100V	
C556	ECWH20472JVB	P 4700PF, J, 2KV	
C557	ECWH20512JVB	P 5100PF, J, 2KV	
C558	ECQF6103JZ	P 0.01UF, J, 630V	
C559	ECQF6103JZ	P 0.01UF, J, 630V	
C560	ECKR3A182KBP	C 1800PF, K, 1KV	

Ref. No.	Part No.	Part Name & Description	Remarks
C562	ECWF2224JSR	P 0.22UF, J,250V	
C563	ECWF2564JSR	P 0.56UF, J,250V	
C564	ECWF2564JSR	P 0.56UF, J,250V	
C565	ECWF2564JSR	P 0.56UF, J,250V	
C567	ECKW3D121KBR	C 120PF, K, 2KV	
C568	ECKW3D121KBR	C 120PF, K, 2KV	
C571	ECA2EM330B	E 33UF, 250V	
C572	ECKR3A331KBP	C 330PF, K, 1KV	
C574	ECA160V33UB	E 33UF, 160V	
C575	ECWF2824JSR	P 0.82UF, J, 50V	
C581	ECQB1H472KF	P 4700PF, K, 50V	
C583	ECQB1H223JF	P 0.022UF, J, 50V	
C584	ECQE1224KF	P 0.22UF, K,100V	
C586	ECEA2CNR47S	E 0.47UF, 160V	
C588	ECQB1H473JF	P 0.047UF, J, 50V	
C705	ECQB1H103KF	P 0.01UF, 50V	
C720	ECQV1H104JL	P 0.1UF, J, 50V	
C741	ECQE2824KF	P 0.82UF, K,250V	
C742	ECKR3A271KBP	C 270PF, K, 1KV	
C743	ECKR3A182KBP	C 1800PF, K, 1KV	
C744	ECQE1335KF	P 3.3UF, K,100V	
C745	ECQE1106KF	P 10UF, K,100V	
C761	ECA1HM2R2B	E 2.2UF, 50V	
C762	ECQB1H221KF	P 220PF, K, 50V	
C763	ECQB1H221KF	P 220PF, K, 50V	
C764	ECA1CM471B	E 470UF, 16V	
C7707	ECJ1VB1C104K	C 0.1UF, K, 16V	
C772	ECA1HM100B	E 10UF, 50V	
C7726	ECJ1VB1H103K	C 0.01UF, K, 50V	
C790	ECKR3D102KBP	C 1000PF, K, 2KV	
C801	ECKRAE472ZE	C 4700PF, P, 500V	△
C802	ECKRAE472ZE	C 4700PF, P, 500V	△
C803	ECKRAE472ZE	C 4700PF, P, 500V	△
C804	ECKRAE472ZE	C 4700PF, P, 500V	△
C805	ECA1CHG221	E 220UF, 16V	
C806	ECQB1H103KF	P 0.01UF, 50V	
C807	ECQV1H104JL	P 0.1UF, J, 50V	
C808	ECQE6823KF	P 0.082UF, K,630V	
C809	EETUQ2G681K	E 680UF, 400V	
C810	ECQB1H471KF	P 470PF, K, 50V	
C811	ECKW3D271KBP	C 270PF, K, 2KV	
C812	ECA1VHG221	E 220UF, 35V	
C813	ECQV1H104JL	P 0.1UF, J, 50V	
C814	ECKCNA471MBB	C 470PF, M,	
C815	ECKR3D681KBP	C 680PF, K, 2KV	
C816	ECKZ3A472KBP	C 4700PF, K, 1KV	
C817	ECKW3D681KBP	C 680PF, K, 2KV	
C819	ECKR3D681KBP	C 680PF, K, 2KV	
C820	ECKR3D101KBP	C 100PF, K, 2KV	
C827	ECKR3A561KBP	C 560PF, K, 1KV	
C829	ECQB1H681JF	P 680PF, J, 50V	
C833	ECA1CHG471	E 470UF, 16V	
C841	ECKRAE472ZE	C 4700PF, P, 500V	△
C842	F2A2W100A006	E 10UF, 160V	
C843	ECA1HM100B	E 10UF, 50V	
C844	ECQE6103KF	P 0.06UF, K, 100V	
C845	ECQV1H104JL	P 0.1UF, J, 50V	
C846	ECA1HM010B	E 1UF, 50V	
C851	ECQE2154JF	P 0.15UF, J,250V	
C852	ECA160V33UB	E 33UF, 160V	
C853	ECA1HHG100	E 10UF, 50V	
C854	ECKR3A561KBP	C 560PF, K, 1KV	
C855	ECQV1H104JL	P 0.1UF, J, 50V	
C857	ECA1HM102B	E 1000UF, 50V	
C858	ECA1EM102E	E 1000UF, 25V	
C861	ECKR3A102KBP	C 1000PF, K, 1KV	
C862	ECA1EM472B	E 4700UF, 25V	
C863	ECA1EHG222E	E 2200UF, 25V	
C864	ECA1CM102B	E 1000UF, 16V	
C865	ECKR3A561KBP	C 560PF, K, 1KV	
C866	ECKR3A471KBP	C 470PF, K, 1KV	
C868	ECKW3D821KBP	C 820PF, K, 2KV	
C869	ECA1EHG222E	E 2200UF, 25V	
C880	EETHC2C681B	E 680UF, 160V	

Ref. No.	Part No.	Part Name & Description	Remarks
C882	ECKR3A182KBP	C 1800PF, K, 1KV	
C883	ECA1CM102B	E 1000UF, 16V	
C884	ECA1CM102B	E 1000UF, 16V	
C885	ECQV1H104JL	P 0.1UF, J, 50V	
C892	FOCAF6830005	P 0.068UF, 275V	
C893	FOCAF6830005	P 0.068UF, 275V	
C895	ECKCNA471MBB	C 470PF, M,	
C897	ECKCNA471MBB	C 470PF, M,	
C898	ECQU2A104BN9	CAPACITOR	
C902	ECJ2VC1H102K	C 1000PF, J, 50V	
C903	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C905	ECA1CM221B	E 220UF, 16V	
C931	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C955	ECQB1223KF	P 0.022F, K, 100V	
C957	ECJ2VC1H102K	C 1000PF, J, 50V	
C958	F2A2C330A037	E 33UF, 160V	
C959	ECQB1223KF	P 0.022UF, K, 100V	
C961	F2A2C330A005	E 33UF, 160V	
C962	ECQB1103KF	P 0.01UF, K, 100V	
C963	ECJ2VF1C104Z	C 0.1UF, Z, 16V	
C964	ECA1CM101B	E 100UF, 16V	
C966	ECA1CM101B	E 100UF, 16V	
C967	ECA1CM221B	E 220UF, 16V	
C968	ECJ2VC1H102K	CERAMIC CAPACITOR	
		DIODES	
D001	MA3150HTX	ZENER DIODE	
D002	MA3150HTX	ZENER DIODE	
D003	MA152KTX	DIODE	
D053	MA152KTX	DIODE	
D1051	EL333ID-F45R	LED	
D1101	MA3047MTX	ZENER DIODE	
D1400	MA152KTX	DIODE	
D1401	MA152KTX	DIODE	
D1408	MA152KTX	DIODE	
D1410	BOJAME000091	DIODE	
D1411	RK34LFC4	DIODE	
D1412	BOJAME000052	DIODE	
D1416	MA3056MTX	DIODE	
D1419	AU02A	DIODE	
D1420	AU02A	DIODE	
D2000	MA152KTX	DIODE	
D2001	MA152KTX	DIODE	
D2400	MTZJ5.6B	ZENER DIODE	
D2407	MA3360MTX	DIODE	
D2409	MA3360MTX	DIODE	
D2410	MA3360MTX	DIODE	
D2414	MA152KTX	DIODE	
D2415	MA152KTX	DIODE	
D2416	MA152KTX	DIODE	
D3103	F4Y5P4B102K	C 1000PF, K, 50V	
D351	ERA15-04	DIODE	
D352	ERA15-04	DIODE	
D353	MA3110LTX	ZENER DIODE	
D355	ERA15-04	DIODE	
D356	ERA15-04	DIODE	
D358	MA152KTX	DIODE	
D360	ERA15-02	DIODE	
D361	MA152KTX	DIODE	
D362	MA152KTX	DIODE	
D363	MA152KTX	DIODE	
D364	MA3130MTX	ZENER DIODE	
D365	MA3130MTX	ZENER DIODE	
D366	MA3130MTX	ZENER DIODE	
D367	MAZ30620LL	DIODE	
D368	MAZ30620LL	DIODE	
D369	MAZ30620LL	DIODE	
D383	ERA15-04	DIODE	
D385	ERA22-04	DIODE	
D386	ERA15-04	DIODE	
D389	ERA15-04	DIODE	
D402	EU02AV1	DIODE	
D405	EU02AV1	DIODE	
D406	MA152KTX	DIODE	
D410	MA152KTX	DIODE	

Ref. No.	Part No.	Part Name & Description	Remarks
D4401	MA152KTX	DIODE	
D4402	MA3X152E0L	DIODE	
D4403	MA152KTX	DIODE	
D4407	MA2J111100L	DIODE	
D4410	MA3X152E0L	DIODE	
D4411	MA3X152E0L	DIODE	
D458	MAZ30330LL	ZENER DIODE	
D4801	MA152KTX	DIODE	
D4801	MA3056MTX	DIODE (GM BOARD ONLY)	
D4802	MA3150MTX	DIODE	
D4803	MA3150MTX	DIODE	
D501	B0JAME000052	DIODE	
D503	B0HALP000002	DIODE	
D521	AU02A	DIODE	
D522	AU02A	DIODE	
D523	MA165	DIODE	
D524	MA165	DIODE	
D525	RP1HLFA5	DIODE	
D527	AU02A	DIODE	
D528	AU02A	DIODE	
D529	AU02A	DIODE	
D530	AU02A	DIODE	
D534	MA29W-A	DIODE	
D535	MA29W-A	DIODE	
D542	MA4150M	DIODE	
D544	EU02AV0	DIODE	
D551	EU02	DIODE	
D553	B0KZ00000001	DIODE	
D554	RU3ANLFA1	DIODE	
D565	MA165	DIODE	
D571	AU02	DIODE	
D581	MA167	DIODE	
D582	MA167	DIODE	
D584	MA4360H	DIODE	
D586	MA182	DIODE	
D588	ERZV10D361CS	VARISTOR	△
D705	MA165	DIODE	
D706	B0HANR000003	DIODE	
D741	B0HALP000002	DIODE	
D761	MA4150M	DIODE	
D762	ERA22-06	DIODE	
D771	ERA15-02	DIODE	
D772	MA4104J	DIODE	
D773	MA165	DIODE	
D776	MA165	DIODE	
D802	D6SB80LF-B	DIODE	
D803	MA165	DIODE	
D804	B2AAFR000002	THYRISTOR	△
D807	MA165	DIODE	
D809	MAZ20820A0LS	DIODE	
D810	MA167	DIODE	
D811	MAZ20820A0LS	DIODE	
D812	MAZ22400B0LS	DIODE	
D814	ERA22-04	DIODE	
D815	ERA22-10	DIODE	
D819	ERA22-04	DIODE	
D821	ERA22-04	DIODE	
D823	ON3171R	PHOTO COUPLER	△
D840	TVSC0510	DIODE	
D841	ON3171R	PHOTO COUPLER	△
D843	TVSC0510	DIODE	
D844	TVSSR2KL	DIODE	
D845	RY24	DIODE	
D846	ERA22-10	DIODE	
D847	ERA22-10	DIODE	
D848	MAZ4075OMF	DIODE	
D850	MA4030L	DIODE	
D851	B0JBRK000005	DIODE	
D852	RU2MLFA1	DIODE	
D853	EU2YXV0	DIODE	
D855	FMGG2CSLF665	DIODE	
D857	FMGG26S	DIODE	
D859	MA165	DIODE	
D860	B0JANE000009	DIODE	

Ref. No.	Part No.	Part Name & Description	Remarks
D877	MA167	DIODE	
D882	AU02A	DIODE	
D890	ERZV10V621P2	VARISTOR	
D891	ERZV10V621P2	VARISTOR	
	INTEGRATED CIRCUITS		
IC001	AN7705F-LB	IC	
IC1103	C2CBYF000029	IC	
IC1105	PST9128NR	IC, LOGIC	
IC1106	TC7MBD3245KL	IC	
IC1108	TVRN296-3	FLASH MEMORY IC	
IC1110	C3ABPG000133	IC, DRAM	
IC1400	M62392FP	LINEAR IC	
IC1403	C0EAH0000105	IC	
IC1404	TVRN275	EEPROM IC	
IC1405	C0CACBG00001	IC, POWER SUPPLY	
IC1406	C0CACAG00002	IC, POWER SUPPLY	
IC1407	C0DAAZG00011	IC, POWER SUPPLY	
IC1409	C0DAAZH00009	IC, POWER SUPPLY	
IC1410	C0CACKG00003	IC, POWER SUPPLY	
IC1412	C0CACAG00002	IC, POWER SUPPLY	
IC1413	AN7705F-LB	IC	
IC1414	AN78M09LB	LINEAR IC	
IC1415	AN6914S	IC	
IC2000	AN78L08	LINEAR IC	
IC2001	C1AB00001883	IC	
IC2002	AN78M05LB	LINEAR IC	
IC2400	AN7108	LINEAR IC	
IC2404	C1AA00000348	IC	
IC2405	C1BB00000510	IC	
IC3001	C1AB00001991	IC	
IC3002	C1AB00001875	IC	
IC351	C1AA00000325	IC	
IC352	C1AA00000325	IC	
IC353	C1AA00000325	IC	
IC354	C0DAAMA00002	IC	
IC400	LA7876N	LINEAR IC	
IC4001	C1AB00001868	IC	
IC4011	C0CBCAC00095	IC, POWER SUPPLY	
IC4012	C0CBCAD00012	IC, POWER SUPPLY	
IC4201	C1AB00001869	IC	
IC4202	C0CBCAC00095	IC, POWER SUPPLY	
IC4203	C0CBCAD00012	IC, POWER SUPPLY	
IC4401	C1AB00001926	IC	
IC4402	C3ABPJ000063	IC, DRAM	
IC4403	C3ABPJ000063	IC, DRAM	
IC4404	C0JBAM000095	IC, LOGIC	
IC4405	NJM2904V	LINEAR IC	
IC4406	NJM2903M	LINEAR IC	
IC4407	AN15935A-VF	IC	
IC4408	C0CBCBC00062	IC, POWER SUPPLY	
IC4411	C0CBCBC00062	IC, POWER SUPPLY	
IC4412	C0CBCAC00096	IC, POWER SUPPLY	
IC4413	C0CBCBC00062	IC, POWER SUPPLY	
IC4602	C1AB00001907	IC	
IC4603	C0CBCBD00008	IC, POWER SUPPLY	
IC4800	C0AABB000107	IC	
IC4801	C0AABB000107	IC	
IC4803	PUB4301	TRANSISTOR ARRAY	
IC4804	AN6564	LINEAR IC	
IC4805	TC4066BFN	IC	
IC4861	AN6562	LINEAR IC	
IC761	C0ZAZ0000128	IC	
IC801	C5HABZZ00014	IC	△
IC841	MIP3E30MPSCF	IC	
IC851	C0EAS0000024	IC	
IC881	C0DAAMA00002	IC	
	COILS		
L001	G0B181Y00001	CHOKE COIL	
L004	ELJNC15NJF	CHIP INDUCTOR	
L005	EXCELDR35V	CORE	
L006	EXCELDR35V	CORE	
L007	EXCELDR35V	CORE	
L008	EXCELDR35V	CORE	

Ref. No.	Part No.	Part Name & Description	Remarks
L009	EXC3BB221H	CHIP BEAD CORE	
L051	GOB181Y00001	CHOKE COIL	
L055	EXCELDR35V	CORE	
L056	EXCELDR35V	CORE	
L057	EXC3BB221H	CHIP BEAD CORE	
L058	EXCELDR35V	CORE	
L059	EXCELDR35V	CORE	
L060	ELJNC15NJF	CHIP INDUCTOR	
L1101	TALC168T3R3K	CHIP INDUCTOR COIL	
L1102	GLC4R7K00013	COIL	
L1103	JOJHC0000078	BEAD CORE	
L1104	JOJHC0000078	BEAD CORE	
L1105	JOJHC0000078	BEAD CORE	
L1106	JOJHC0000078	BEAD CORE	
L1107	JOJHC0000078	BEAD CORE	
L1108	JOJHC0000078	BEAD CORE	
L1109	JOJHC0000078	BEAD CORE	
L1400	EXCELDR35V	CORE	
L1401	EXCELSA35T	BEAD CORE	
L1404	EXCELSA35T	BEAD CORE	
L1406	EXCELSA35T	BEAD CORE	
L1408	EXCELDR35V	CORE	
L1409	GOA270ZA0041	CHOKE COIL	
L1410	GOA560GA0001	CHOKE COIL	
L1411	EXCELDR35V	CORE	
L1412	EXCELDR35V	CORE	
L1417	EXCELSA35T	BEAD CORE	
L1418	EXCELDR35V	CORE	
L1419	EXCELDR35V	CORE	
L1420	EXCELSA35T	BEAD CORE	
L1421	EXCELSA35T	BEAD CORE	
L1422	EXCELSA35T	BEAD CORE	
L2000	EXCELDR35V	CORE	
L2002	EXCELSA35T	BEAD CORE	
L2003	TSKA157	BEAD CORE	
L2005	EXCELDR35V	CORE	
L2010	JOJCC0000241	BEAD CORE	
L2012	ELESN6R8KA	PEAKING COIL	
L2013	EXCELSA35T	BEAD CORE	
L2014	ELESN4R7KA	PEAKING COIL	
L2015	ELESN4R7KA	PEAKING COIL	
L2255	EXCELSA35T	BEAD CORE	
L2278	EXCELSA35T	BEAD CORE	
L2400	EXCELSA35T	BEAD CORE	
L2401	EXCELSA35T	BEAD CORE	
L2523	ELESN6R8KA	PEAKING COIL	
L2524	ELESN6R8KA	PEAKING COIL	
L2527	EXCELSA35T	BEAD CORE	
L3003	EXC3BB221H	CHIP BEAD CORE	
L3004	EXC3BB221H	CHIP BEAD CORE	
L3005	EXC3BB221H	CHIP BEAD CORE	
L3006	EXC3BB221H	CHIP BEAD CORE	
L3007	EXC3BB221H	CHIP BEAD CORE	
L3008	EXC3BB221H	CHIP BEAD CORE	
L3009	EXC3BB221H	CHIP BEAD CORE	
L3010	EXC3BB221H	CHIP BEAD CORE	
L3020	ELESN4R7JA	PEAKING COIL	
L3022	ELESN4R7JA	PEAKING COIL	
L3023	GOB181Y00001	CHOKE COIL	
L3024	GOB181Y00001	CHOKE COIL	
L3101	GOBYYYY00016	COIL	
L351	EXCELSA24T	BEAD CORE	
L381	ELESN6R8JA	PEAKING COIL	
L382	ELESN6R8JA	PEAKING COIL	
L383	ELESN150JA	PEAKING COIL	
L387	EXCELDR35V	CORE	
L400	EXCELDR35V	CORE	
L4002	GLC2R2K00006	COIL	
L4004	JOJCC0000241	BEAD CORE	
L4005	JOJCC0000241	BEAD CORE	
L4006	JOJCC0000241	BEAD CORE	
L4007	JOJCC0000241	BEAD CORE	
L4008	GLC100KA0009	COIL	
L4009	GLC100KA0009	COIL	

Ref. No.	Part No.	Part Name & Description	Remarks
L401	EXCELDR35V	CORE	
L4203	GLC1R0K00005	COIL	
L4204	JOJHC0000078	BEAD CORE	
L4205	JOJCC0000241	BEAD CORE	
L4206	JOJHC0000078	BEAD CORE	
L4207	JOJCC0000241	BEAD CORE	
L4208	JOJHC0000078	BEAD CORE	
L4209	JOJCC0000241	BEAD CORE	
L4210	GLC100KA0009	COIL	
L4402	JOJHC0000078	BEAD CORE	
L4405	JOJCC0000241	BEAD CORE	
L4407	JOJCC0000241	BEAD CORE	
L4408	JOJCC0000241	BEAD CORE	
L4411	JOJCC0000241	BEAD CORE	
L4412	JOJCC0000241	BEAD CORE	
L4413	ERJ3GEY0R00	M 00HM, J, 1/16W	
L4415	ERJ3GEY0R00	M 00HM, J, 1/16W	
L4416	JOJHC0000078	BEAD CORE	
L4419	JOJHC0000078	BEAD CORE	
L4421	JOJCC0000241	BEAD CORE	
L4422	ERJ3GEY0R00	M 00HM, J, 1/16W	
L4423	GLC100KA0009	COIL	
L4424	ERJ3GEY0R00	M 00HM, J, 1/16W	
L4425	ERJ3GEY0R00	M 00HM, J, 1/16W	
L4426	ERJ3GEY0R00	M 00HM, J, 1/16W	
L4427	ERJ3GEY0R00	M 00HM, J, 1/16W	
L4601	JOJHC0000078	BEAD CORE	
L4602	JOJHC0000078	BEAD CORE	
L4603	JOJHC0000078	BEAD CORE	
L4604	JOJHC0000078	BEAD CORE	
L4800	TLTACT330J	PEAKING COIL	
L4802	EXCELDR35V	CORE (GM BOARD ONLY)	
L4802	JOJKB0000034	EMI FILTER	
L4803	TLTACT100J	PEAKING COIL	
L4804	TALL08T102JA	INDUCTION COIL	
L521	GOA222DA0017	CHOKE COIL	
L542	TSKA064-1	BEAD CORE	
L543	TSKA064-1	BEAD CORE	
L552	EXCELDR25V	CORE	
L553	EXCELDR25V	CORE	
L554	EXCELDR25V	CORE	
L557	EXCELDR35V	CORE	
L558	EXCELDR35V	CORE	
L559	EXCELDR35V	CORE	
L566	ELH5L7725	LINEARITY COIL	
L568	ELH5L8118	LINEARITY COIL	
L571	EXCELDR35V	CORE	
L572	EXCELSA39V	BEAD CORE	
L573	EXCELDR35V	CORE	
L575	EXCELSA35T	BEAD CORE	
L576	EXCELSA35T	BEAD CORE	
L741	ELEKEL01KA	COIL	
L743	EXCELSA35T	BEAD CORE	
L744	TALFP15B152K	CHIP INDUCTOR COIL	
L745	ELC18B151G	CHOKE COIL	
L7703	ERJ3GEY0R00	M 00HM, J, 1/16W	
L7704	ERJ3GEY0R00	M 00HM, J, 1/16W	
L7705	ERJ3GEY0R00	M 00HM, J, 1/16W	
L7706	ERJ3GEY0R00	M 00HM, J, 1/16W	
L811	EXCELSA35T	BEAD CORE	
L812	EXCELSA39E	BEAD CHOKE	
L814	EXCELSA39V	BEAD CORE	
L815	EXCELSA39E	BEAD CHOKE	
L818	EXCELSA39E	BEAD CHOKE	
L819	EXCELSA35T	BEAD CORE	
L820	EXCELSA35T	BEAD CORE	
L834	EXCELSA35T	BEAD CORE	
L835	TALL08T100KA	INDUCTION COIL	
L836	EXCELSA35T	BEAD CORE	
L844	GOA330GA0011	CHOKE COIL	
L845	GOA330GA0011	CHOKE COIL	
L846	JOJKB0000038	COIL	
L847	EXCELDR25V	CORE	
L848	EXCELSA35T	BEAD CORE	

Ref. No.	Part No.	Part Name & Description	Remarks
L852	EXCELSA35T	BEAD CORE	
L853	EXCELSA35T	BEAD CORE	
L854	EXCELSA35T	BEAD CORE	
L856	EXCELSA35T	BEAD CORE	
L858	EXCELSA35T	BEAD CORE	
L860	EXCELDR35V	CORE	
L861	TALL08T100KA	INDUCTION COIL	
L862	TALL08T680KA	INDUCTION COIL	
L863	EXCELSA35B	BEAD CORE	
L864	EXCELDR25V	CORE	
L881	EXCELSA35B	BEAD CORE	
L882	J0JKB0000038	COIL	
L883	TALL08T100KA	INDUCTION COIL	
L893	G0B682H00001	LINE FILTER	
L895	EXCELSA35T	BEAD CORE	
L904	ELESN560JA	PEAKING COIL	
	TRANSISTORS		
Q005	2SB709ATX	TRANSISTOR	
Q006	2SB709ATX	TRANSISTOR	
Q051	2SB709ATX	TRANSISTOR	
Q052	2SB709ATX	TRANSISTOR	
Q1003	2SC3311A	TRANSISTOR	
Q1101	2SD0601A0L	TRANSISTOR	
Q1109	2SB709ATX	TRANSISTOR	
Q1110	2SD0601A0L	TRANSISTOR	
Q1111	XN5601TX	TRANSISTOR	
Q1402	2SD0601A0L	TRANSISTOR	
Q1404	2SD0601A0L	TRANSISTOR	
Q1405	2SD0601A0L	TRANSISTOR	
Q1406	2SD0601A0L	TRANSISTOR	
Q1407	2SD0601A0L	TRANSISTOR	
Q2000	2SB709ATX	TRANSISTOR	
Q2001	2SB709ATX	TRANSISTOR	
Q2002	2SB709ATX	TRANSISTOR	
Q2003	2SB709ATX	TRANSISTOR	
Q2005	2SD0601A0L	TRANSISTOR	
Q2006	2SB709ATX	TRANSISTOR	
Q2400	2SD0601A0L	TRANSISTOR	
Q2401	2SD0601A0L	TRANSISTOR	
Q2404	2SD0601A0L	TRANSISTOR	
Q2406	2SD0601A0L	TRANSISTOR	
Q2407	2SD0601A0L	TRANSISTOR	
Q3011	2SD0601A0L	TRANSISTOR	
Q3012	2SD0601A0L	TRANSISTOR	
Q369	2SB709ATX	TRANSISTOR	
Q400	2SD0601A0L	TRANSISTOR	
Q4001	2SD0601A0L	TRANSISTOR	
Q4002	2SB709ATX	TRANSISTOR	
Q4003	2SD10300TL	TRANSISTOR	
Q4004	2SB709ATX	TRANSISTOR	
Q4005	2SB709ATX	TRANSISTOR	
Q4007	2SD0601A0L	TRANSISTOR	
Q4008	2SD0601A0L	TRANSISTOR	
Q401	2SD0601A0L	TRANSISTOR	
Q402	2SB709ATX	TRANSISTOR	
Q403	2SB709ATX	TRANSISTOR	
Q404	2SD0601A0L	TRANSISTOR	
Q405	2SD0601A0L	TRANSISTOR	
Q406	2SD0601A0L	TRANSISTOR	
Q407	2SD0601A0L	TRANSISTOR	
Q408	2SD0601A0L	TRANSISTOR	
Q4201	UNR221500L	TRANSISTOR	
Q4202	2SB709ATX	TRANSISTOR	
Q4204	2SD0601A0L	TRANSISTOR	
Q4205	2SB709ATX	TRANSISTOR	
Q4206	2SD0601A0L	TRANSISTOR	
Q4207	2SD10300TL	TRANSISTOR	
Q4208	2SB709ATX	TRANSISTOR	
Q4209	2SD0601A0L	TRANSISTOR	
Q4210	2SD0601A0L	TRANSISTOR	
Q4211	2SB709ATX	TRANSISTOR	
Q4402	B1ADCF000003	TRANSISTOR	
Q4403	B1ABCF000078	TRANSISTOR	
Q4404	2SB709ATX	TRANSISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
Q4405	2SD0601A0L	TRANSISTOR	
Q4406	2SD0601A0L	TRANSISTOR	
Q4407	2SB709ATX	TRANSISTOR	
Q4410	2SD0601A0L	TRANSISTOR	
Q4411	2SD0601A0L	TRANSISTOR	
Q4415	2SB709ATX	TRANSISTOR	
Q4416	XN5601TX	TRANSISTOR	
Q4417	XN5601TX	TRANSISTOR	
Q4418	XN5601TX	TRANSISTOR	
Q4428	2SB709ATX	TRANSISTOR	
Q4429	2SB709ATX	TRANSISTOR	
Q4800	2SB709ATX	TRANSISTOR	
Q4802	B1ABCF000078	TRANSISTOR	
Q4803	2SD0601A0L	TRANSISTOR	
Q4805	2SB709ATX	TRANSISTOR	
Q4806	2SD0601A0L	TRANSISTOR	
Q501	2SK2962	TRANSISTOR	
Q521	B1DEEQ000004	TRANSISTOR	
Q522	2SC3311AS	TRANSISTOR	
Q523	2SC3311AS	TRANSISTOR	
Q524	2SC5460	TRANSISTOR	
Q525	2SC3311ARA	TRANSISTOR	
Q526	2SK1608000LB	TRANSISTOR	
Q527	2SK1608000LB	TRANSISTOR	
Q542	B1DAFU000002	TRANSISTOR	
Q543	2SK1608000LB	TRANSISTOR	
Q544	2SC3311A	TRANSISTOR	
Q545	2SC3311A	TRANSISTOR	
Q551	2SC5686000RK	TRANSISTOR	
Q581	2SC1473A	TRANSISTOR	
Q701	2SC3311ARA	TRANSISTOR	
Q702	2SC3311ARA	TRANSISTOR	
Q741	2SK2538000	TRANSISTOR	
Q761	B1DEGG000010	TRANSISTOR	
Q771	2SC3311A	TRANSISTOR	
Q772	2SC3311A	TRANSISTOR	
Q773	2SA1309A	TRANSISTOR	
Q802	2SC3311A	TRANSISTOR	
Q804	2SC3311A	TRANSISTOR	
Q805	2SC1318	TRANSISTOR	
Q851	2SA1018Q	TRANSISTOR	
Q854	2SC3311A	TRANSISTOR	
Q944	2SD0601ARL	TRANSISTOR	
Q945	2SD0601ARL	TRANSISTOR	
Q946	2SD0601ARL	TRANSISTOR	
Q947	2SB0709ARL	TRANSISTOR	
Q948	2SD0601ARL	TRANSISTOR	
Q949	2SB0709ARL	TRANSISTOR	
Q950	2SD0601ARL	TRANSISTOR	
Q951	2SC3311AS	TRANSISTOR	
Q952	2SA1309ASA	TRANSISTOR	
Q953	2SD0592ARA	TRANSISTOR	
Q954	2SB0621AWA	TRANSISTOR	
Q955	2SB1569A	TRANSISTOR	
Q956	2SD2400A	TRANSISTOR	
	RESISTORS		
R012	ERJ6GEYJ561	M 560OHM, J, 1/10W	
R014	ERJ3GEYJ221	M 220OHM, J, 1/16W	
R015	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R016	ERJ6GEYJ683	M 68KOHM, J, 1/10W	
R017	ERJ3GEYJ683	M 68KOHM, J, 1/16W	
R051	ERJ6GEYJ561	M 560OHM, J, 1/10W	
R053	ERJ3GEYJ221	M 220OHM, J, 1/16W	
R054	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R055	ERJ6GEYJ683	M 68KOHM, J, 1/10W	
R056	ERJ3GEYJ683	M 68KOHM, J, 1/16W	
R057	ERJ3GEYJ101	M 100OHM, J, 1/16W	
R058	ERJ3GEYJ101	M 100OHM, J, 1/16W	
R1043	ERDS2TJ682	C 6.8KOHM, J, 1/4W	
R1044	ERDS2TJ123	C 12KOHM, J, 1/4W	
R1045	ERDS2TJ223	C 22KOHM, J, 1/4W	
R1046	ERDS2TJ683	C 68KOHM, J, 1/4W	
R1081	ERDS2TJ332	C 3.3KOHM, J, 1/4W	
R1082	ERDS2TJ103	C 10KOHM, J, 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1083	ERDS2TJ101	C 100OHM,J, 1/4W	
R1084	ERDS2TJ101	C 100OHM,J, 1/4W	
R1103	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1104	ERJ3GEYJ473	M 47KOHM,J,1/16W	
R1105	ERJ3GEYJ223	M 22KOHM,J,1/16W	
R1107	ERJ3GEYR00	M 0OHM,J,1/16W	
R1111	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1112	ERJ3GEYJ391	M 390OHM,J,1/16W	
R1113	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1114	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1115	ERJ3GEYJ471	M 470OHM,J,1/16W	
R1116	ERJ3GEYJ473	M 47KOHM,J,1/16W	
R1118	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1120	EXB38V680J	M 68OHM,J,1/16W	
R1121	D1HG6808A002	FIXED RESISTOR	
R1122	ERJ3GEYR00	M 0OHM,J,1/16W	
R1123	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1126	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1127	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1128	ERJ3GEYJ361	F 360OHM,J,1/16W	
R1129	ERJ3GEYJ361	F 360OHM,J,1/16W	
R1132	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1133	D1HG6808A002	FIXED RESISTOR	
R1134	ERJ3GEYJ273	M 27KOHM,J,1/16W	
R1136	ERJ3GEYR00	M 0OHM,J,1/16W	
R1138	ERJ3GEYJ220	M 22OHM,J,1/16W	
R1139	D1HG6808A002	FIXED RESISTOR	
R1143	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1144	D1HG6808A002	FIXED RESISTOR	
R1146	ERJ3GEYR00	M 0OHM,J,1/16W	
R1147	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1149	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1150	ERJ3GEYJ560	M 56OHM,J,1/16W	
R1151	ERJ3GEYJ560	M 56OHM,J,1/16W	
R1153	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1155	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1156	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1157	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1163	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1164	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1166	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1171	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1174	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1175	ERJ3GEYJ153	M 15KOHM,J,1/16W	
R1176	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1177	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1178	ERJ3GEYR00	M 0OHM,J,1/16W	
R1180	D1HG6808A002	FIXED RESISTOR	
R1182	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	
R1183	ERJ3GEYJ272	M 2.7KOHM,J,1/16W	
R1187	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R1188	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1189	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1190	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1194	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1195	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1197	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1198	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1200	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1201	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1202	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1203	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1204	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1205	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R1206	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R1208	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1211	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R1213	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1214	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R1400	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1412	ERJ6GEYJ272	M 2.7KOHM,J,1/10W	
R1413	ERJ6GEYJ272	M 2.7KOHM,J,1/10W	
R1414	ERJ6GEYJ272	M 2.7KOHM,J,1/10W	
R1415	ERJ6GEYJ272	M 2.7KOHM,J,1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R1416	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1417	ERJ3GEYJ123	M 12KOHM,J,1/16W	
R1421	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1422	ERJ3GEYJ104	M 100KOHM,J,1/16W	
R1423	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1425	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1426	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R1427	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1428	ERDS2TJ101	C 100OHM,J, 1/4W	
R1429	ERJ3GEYJ473	M 47KOHM,J,1/16W	
R1430	ERDS2TJ101	C 100OHM,J, 1/4W	
R1431	ERDS2TJ103	C 10KOHM,J, 1/4W	
R1432	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R1433	ERJ3GEYJ223	M 22KOHM,J,1/16W	
R1434	ERJ3GEYJ473	M 47KOHM,J,1/16W	
R1435	ERJ3GEYJ223	M 22KOHM,J,1/16W	
R1437	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1439	ERJ3EKF5230	F 523OHM,F,1/16W	
R1440	ERJ3EKF1001	M 1KOHM,F,1/16W	
R1441	ER0S2CHF2431	M 2.43KOHM,J,1/4W	
R1442	ER0S2CHF3921	M 39.2KOHM,J,1/4W	
R1443	ERJ3GEYJ101	M 100OHM,J,1/16W	
R1449	ERJ3GEYJ331	M 330OHM,J,1/16W	
R1450	ERDS2TJ222	C 2.2KOHM,J, 1/4W	
R1451	ERDS2TJ220	C 22OHM,J, 1/4W	
R1458	ERJ3GEYJ123	M 12KOHM,J,1/16W	
R1459	ERJ3GEYJ563	M 56KOHM,J,1/16W	
R1460	ERG3FJ390H	M 390HM,J, 3W	
R2000	ERJ3GEYJ101	M 100OHM,J,1/16W	
R2001	ERJ3GEYJ101	M 100OHM,J,1/16W	
R2003	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2004	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2005	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2006	ERJ3GEYJ472	M 4.7KOHM,J,1/16W	
R2008	ERJ3GEYJ101	M 100OHM,J,1/16W	
R2009	ERJ6GEYJ561	M 560OHM,J,1/10W	
R2010	ERJ3GEYJ561	M 560OHM,J,1/16W	
R2012	ERJ6GEYJ101	M 100OHM,J,1/10W	
R2013	ERJ6GEYJ221	M 220OHM,J,1/10W	
R2014	ERJ6GEYJ221	M 220OHM,J,1/10W	
R2015	ERJ6GEYJ221	M 220OHM,J,1/10W	
R2016	ERJ6GEYJ221	M 220OHM,J,1/10W	
R2017	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R2020	ERJ6GEYJ221	M 220OHM,J,1/10W	
R2021	ERJ6GEYJ221	M 220OHM,J,1/10W	
R2022	ERJ3GEYJ683	M 68KOHM,J,1/16W	
R2024	ERJ3GEYR00	M 0OHM,J,1/16W	
R2025	ERJ3GEYJ471	M 470OHM,J,1/16W	
R2026	ERJ3GEYJ221	M 220OHM,J,1/16W	
R2027	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R2029	ERJ6GEYJ471	M 470OHM,J,1/10W	
R2030	ERJ6GEYJ101	M 100OHM,J,1/10W	
R2031	ERJ3GEYJ122	M 1.2KOHM,J,1/16W	
R2032	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R2033	ERJ6GEYJ103	M 10KOHM,J,1/10W	
R2034	ERJ3GEYJ221	M 220OHM,J,1/16W	
R2037	ERJ6GEYR00	M 0OHM,J,1/10W	
R2038	ERJ3GEYJ104	M 100KOHM,J,1/16W	
R2400	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R2401	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R2402	ERJ3GEYR00	M 0OHM,J,1/16W	
R2403	ERJ3GEYR00	M 0OHM,J,1/16W	
R2404	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R2405	ERJ3GEYJ562	M 5.6KOHM,J,1/16W	
R2406	ERDS2TJ101	C 100OHM,J, 1/4W	
R2407	ERJ3GEYJ102	M 1KOHM,J,1/16W	
R2408	ERJ3GEYJ123	M 12KOHM,J,1/16W	
R2409	ERJ3GEYJ393	M 39KOHM,J,1/16W	
R2410	ERJ3GEYJ101	M 100OHM,J,1/16W	
R2411	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R2412	ERJ3GEYJ222	M 2.2KOHM,J,1/16W	
R2413	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R2414	ERJ3GEYJ103	M 10KOHM,J,1/16W	
R2415	ERJ3GEYJ103	M 10KOHM,J,1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R2416	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R2417	ERJ3GEYJ103	M 10KOHM, J, 1/16W	
R2448	ERJ6GEYJ154	M 150KOHM, J, 1/10W	
R2449	ERJ6GEYJ183	M 18KOHM, J, 1/10W	
R2450	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
R2451	ERDS2TJ101	C 100OHM, J, 1/4W	
R2452	ERJ6GEY0R00	M 00HM, J, 1/10W	
R2453	ERJ6GEY0R00	M 00HM, J, 1/10W	
R2454	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R2455	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R2456	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R2457	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R2458	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R2459	ERD25FVJ2R2T	C 2.20HM, J, 1/4W	
R2460	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	
R2461	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R2462	ERJ6GEYJ562	M 5.6KOHM, J, 1/10W	
R2463	ERD25FVJ2R2T	C 2.20HM, J, 1/4W	
R2464	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R2466	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R2467	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R2468	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R2470	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R2471	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R2480	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2481	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R2482	ERJ3GEYJ473	M 47KOHM, J, 1/16W	
R2483	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R2484	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2485	ERJ3GEYJ681	M 680OHM, J, 1/16W	
R2486	ERJ3GEYJ683	M 68KOHM, J, 1/16W	
R2487	ERJ3GEYJ103	M 10KOHM, J, 1/16W	
R2490	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2491	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R2492	ERJ3GEYJ473	M 47KOHM, J, 1/16W	
R2493	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R2494	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R2495	ERJ3GEYJ681	M 680OHM, J, 1/16W	
R2496	ERJ3GEYJ683	M 68KOHM, J, 1/16W	
R2497	ERJ3GEYJ103	M 10KOHM, J, 1/16W	
R3001	ERJ3GEYJ101	M 100OHM, J, 1/16W	
R3008	ERJ8ENF75R0	M 75OHM, 1/8W	
R3009	ERJ8ENF75R0	M 75OHM, 1/8W	
R3010	ERJ8ENF75R0	M 75OHM, 1/8W	
R3012	ERJ8ENF75R0	M 75OHM, 1/8W	
R3013	ERJ3GEYJ223	M 22KOHM, J, 1/16W	
R3018	ERJ3GEYJ223	M 22KOHM, J, 1/16W	
R3019	ERJ8ENF75R0	M 75OHM, 1/8W	
R3020	ERJ3GEYJ154	M 150KOHM, J, 1/16W	
R3022	ERJ8ENF75R0	M 75OHM, 1/8W	
R3023	ERJ3GEYJ154	M 150KOHM, J, 1/16W	
R3025	ERJ8ENF75R0	M 75OHM, 1/8W	
R3028	ERJ8ENF75R0	M 75OHM, 1/8W	
R3029	ERJ3GEYJ101	M 100OHM, J, 1/16W	
R3030	ERJ3GEYJ223	M 22KOHM, J, 1/16W	
R3032	ERJ3GEYJ223	M 22KOHM, J, 1/16W	
R3033	ERJ8ENF75R0	M 75OHM, 1/8W	
R3035	ERJ8ENF75R0	M 75OHM, 1/8W	
R3038	ERJ8ENF75R0	M 75OHM, 1/8W	
R3041	ERJ3GEYJ223	M 22KOHM, J, 1/16W	
R3043	ERJ3GEYJ223	M 22KOHM, J, 1/16W	
R3049	ERJ6GEYJ184	M 180KOHM, J, 1/10W	
R3052	ERJ8ENF75R0	M 75OHM, 1/8W	
R3055	ERJ8ENF75R0	M 75OHM, 1/8W	
R3057	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R3058	ERJ3GEYJ104	M 100KOHM, J, 1/16W	
R3060	ERJ3GEYJ821	M 820OHM, J, 1/16W	
R3061	ERJ3GEYJ821	M 820OHM, J, 1/16W	
R3062	ERJ8ENF75R0	M 75OHM, 1/8W	
R3063	ERJ3GEYJ103	M 10KOHM, J, 1/16W	
R3065	ERJ3GEY0R00	M 00HM, J, 1/16W	
R3066	ERJ3GEYJ103	M 10KOHM, J, 1/16W	
R3083	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R3084	ERJ3GEYJ221	M 220OHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R3085	ERJ3GEYJ221	M 220OHM, J, 1/16W	
R3086	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R3088	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R3089	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R3116	ERDS2TJ103	C 10KOHM, J, 1/4W	
R3127	ERJ3GEYJ103	M 10KOHM, J, 1/16W	
R3130	ERJ3GEYJ221	M 220OHM, J, 1/16W	
R3131	ERJ3GEYJ221	M 220OHM, J, 1/16W	
R3132	ERJ3GEY0R00	M 00HM, J, 1/16W	
R3133	ERJ3GEYJ221	M 220OHM, J, 1/16W	
R3134	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R3138	ERJ3GEY0R00	M 00HM, J, 1/16W	
R3140	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R3141	ERJ3GEYJ221	M 220OHM, J, 1/16W	
R3144	ERJ3GEYJ153	M 15KOHM, J, 1/16W	
R3145	ERJ3GEYJ103	M 10KOHM, J, 1/16W	
R3146	ERJ3GEY0R00	M 00HM, J, 1/16W	
R3148	ERJ3GEYJ153	M 15KOHM, J, 1/16W	
R3149	ERJ3GEYJ220	M 220OHM, J, 1/16W	
R3150	ERJ3GEYJ221	M 220OHM, J, 1/16W	
R3151	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R3152	ERJ3GEYJ220	M 220OHM, J, 1/16W	
R3154	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R3158	ERJ3GEYJ221	M 220OHM, J, 1/16W	
R3159	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R3160	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R3161	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R3163	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R3165	ERJ3GEYJ221	M 220OHM, J, 1/16W	
R3166	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R3167	ERJ3GEYJ221	M 220OHM, J, 1/16W	
R3168	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R3169	ERJ3GEYJ220	M 220OHM, J, 1/16W	
R3171	ERJ3GEYJ220	M 220OHM, J, 1/16W	
R3173	ERJ3GEYJ221	M 220OHM, J, 1/16W	
R3177	ERJ3GEYJ221	M 220OHM, J, 1/16W	
R3185	ERJ3GEYJ221	M 220OHM, J, 1/16W	
R3186	ERJ3GEYJ221	M 220OHM, J, 1/16W	
R3187	ERJ3GEYJ221	M 220OHM, J, 1/16W	
R3188	ERJ3GEYJ221	M 220OHM, J, 1/16W	
R3201	ERJ3GEYJ563	M 56KOHM, J, 1/16W	
R3202	ERJ3GEYJ563	M 56KOHM, J, 1/16W	
R351	ERJ6GEYJ221	M 220OHM, J, 1/10W	
R352	ERJ6ENF1801	M 1.8KOHM, 1/10W	
R353	ERJ6ENF1201	M 1.2KOHM, 1/10W	
R354	ERG3FJ823H	M 82KOHM, J, 3W	
R355	ERJ6GEY0R00	M 00HM, J, 1/10W	
R356	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W	
R357	ERC12GK561	S 560OHM, K, 1/2W	
R360	ERJ6GEYJ221	M 220OHM, J, 1/10W	
R361	ERJ6ENF1801	M 1.8KOHM, 1/10W	
R362	ERG3FJ823H	M 82KOHM, J, 3W	
R363	ERJ6ENF1201	M 1.2KOHM, 1/10W	
R364	ERJ6GEY0R00	M 00HM, J, 1/10W	
R365	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	
R366	ERC12GK561	S 560OHM, K, 1/2W	
R370	ERJ6GEYJ271	M 270OHM, J, 1/10W	
R371	ERJ6ENF1801	M 1.8KOHM, 1/10W	
R372	ERJ6ENF1201	M 1.2KOHM, 1/10W	
R373	ERG3FJ823H	M 82KOHM, J, 3W	
R374	ERJ6GEY0R00	M 00HM, J, 1/10W	
R375	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W	
R376	ERC12GK561	S 560OHM, K, 1/2W	
R382	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R385	ERJ6GEYJ184	M 180KOHM, J, 1/10W	
R387	ERDS1TJ471	C 470OHM, J, 1/2W	
R400	ERDS1TJ2R7	C 2.7OHM, J, 1/2W	
R4001	ERDS2TJ102	C 1KOHM, J, 1/4W	
R4002	ERJ3GEYJ101	M 100OHM, J, 1/16W	
R4003	ERJ3GEY0R00	M 00HM, J, 1/16W	
R4004	ERJ3EKF33R0	M 33OHM, F, 1/16W	
R4005	ERJ3GEYJ220	M 220OHM, J, 1/16W	
R4006	ERJ3EKF2701	M 2.7KOHM, F, 1/16W	
R4007	ERJ3EKF1001	M 1KOHM, F, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R401	ERG3FJ221H	M 220OHM, J, 3W	
R4010	ERJ3EKF1001	M 1KOHM, F, 1/16W	
R4011	ERJ3EKF33R0	M 330HM, F, 1/16W	
R4012	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W	
R4013	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W	
R4014	ERJ6GEYOR00	M 0OHM, J, 1/10W	
R4016	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R4019	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R402	ERDS1TJ2R7	C 2.7OHM, J, 1/2W	
R4020	ERJ3GEYJ220	M 220HM, J, 1/16W	
R4023	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R4024	ERJ3GEYJ390	M 390HM, J, 1/16W	
R4025	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R4027	ERJ3GEYJ101	M 100OHM, J, 1/16W	
R4028	ERJ3EKF1500	M 1500HM, F, 1/16W	
R4029	ERJ3GEYJ101	M 100OHM, J, 1/16W	
R403	ERX12SJR47V	M 0.47OHM, J, 1/2W	
R4030	ERDS2T0T	C 0OHM, 1/4W	
R4031	ERJ3GEYJ560	M 560HM, J, 1/16W	
R4032	ERJ3EKF4700	M 4700HM, F, 1/16W	
R4033	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R4039	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R404	ERDS1FJ1R0	C 1OHM, J, 1/2W	
R4040	ERJ3GEYJ390	M 390HM, J, 1/16W	
R4041	ERJ3EKF33R0	M 330HM, F, 1/16W	
R4043	ERJ3GEYJ560	M 560HM, J, 1/16W	
R4044	ERJ3EKF33R0	M 330HM, F, 1/16W	
R4047	ERJ3EKF1401	M 1.4KOHM, F, 1/16W	
R4048	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R405	ERJ6GEYJ393	M 39KOHM, J, 1/10W	
R4051	ERJ3EKF33R0	M 330HM, F, 1/16W	
R4054	ERJ3EKF1500	M 1500HM, F, 1/16W	
R4055	ERJ3EKF4700	M 4700HM, F, 1/16W	
R4056	ERJ3GEYJ331	M 330OHM, J, 1/16W	
R4058	ERJ3EKF1500	M 1500HM, F, 1/16W	
R4059	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R406	ERJ3GEYJ223	M 22KOHM, J, 1/16W	
R4060	ERJ3EKF2701	M 2.7KOHM, F, 1/16W	
R4061	ERJ3EKF33R0	M 330HM, F, 1/16W	
R4063	ERJ3GEYJ471	M 470OHM, J, 1/16W	
R4069	ERJ3EKF1401	M 1.4KOHM, F, 1/16W	
R407	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R4070	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R4072	ERJ3GEYJ821	M 820OHM, J, 1/16W	
R4073	ERJ3EKF1331	M 1.33KOHM, F, 1/16W	
R4074	ERJ3GEYJ330	M 330HM, J, 1/16W	
R4075	ERJ3GEYJ681	M 680OHM, J, 1/16W	
R4076	ERJ3EKF4700	M 4700HM, F, 1/16W	
R4078	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R4079	ERJ3GEYJ330	M 330HM, J, 1/16W	
R408	ERX12SJR47V	M 0.47OHM, J, 1/2W	
R4080	ERJ3EKF4700	M 4700HM, F, 1/16W	
R4082	ERJ3EKF3601	F 3.6KOHM, J, 1/16W	
R4084	ERJ6GEYJ471	M 470OHM, J, 1/10W	
R4087	ERJ6GEYJ331	M 330OHM, J, 1/10W	
R4089	ERJ3GEYJ821	M 820OHM, J, 1/16W	
R409	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R4090	ERJ6GEYJ331	M 330OHM, J, 1/10W	
R4092	ERJ6GEYJ471	M 470OHM, J, 1/10W	
R4093	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R4094	ERJ3GEYJ330	M 330HM, J, 1/16W	
R4095	ERJ3EKF3300	M 330OHM, 1/16W	
R4096	ERJ3GEYJ151	M 150OHM, J, 1/16W	
R4097	ERJ3EKF4700	M 4700HM, F, 1/16W	
R4098	ERJ3EKF3601	F 3.6KOHM, J, 1/16W	
R410	ERJ6GEYJ123	M 12KOHM, J, 1/10W	
R4101	EXB38V560JV	R 560OHM, J, 1/16W	
R4110	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R4111	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R4112	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R4113	EXB38V560JV	R 560OHM, J, 1/16W	
R4114	EXB38V560JV	R 560OHM, J, 1/16W	
R4115	ERJ3GEYJ560	M 560HM, J, 1/16W	
R4116	ERJ3GEYJ560	M 560HM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R4117	ERJ3GEYJ560	M 560HM, J, 1/16W	
R4118	DIHG5608A002	FIXED RESISTOR	
R412	ERJ3EKF3902	M 39KOHM, F, 1/16W	
R413	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R414	ERJ3EKF3011	M 3.01KOHM, F, 1/16W	
R415	ERJ3EKF3481	M 3.48KOHM, F, 1/16W	
R416	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R417	ERJ3GEYJ561	M 560OHM, J, 1/16W	
R418	ERJ3EKF3921	R 3.92OHM, F, 1/16W	
R419	ERJ3GEYJ471	M 470OHM, J, 1/16W	
R420	ERJ3EKF2431	M 2.43KOHM, F, 1/16W	
R4201	ERJ3EKF1001	M 1KOHM, F, 1/16W	
R4202	ERJ3GEYJ181	M 180OHM, J, 1/16W	
R4203	ERJ3EKF33R0	M 330HM, F, 1/16W	
R4205	ERJ3EKF33R0	M 330HM, F, 1/16W	
R4206	ERJ3GEYJ561	M 560OHM, J, 1/16W	
R4208	ERJ3GEYJ220	M 220HM, J, 1/16W	
R4209	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W	
R4210	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W	
R4211	ERJ6GEYOR00	M 0OHM, J, 1/10W	
R4212	ERJ3EKF1500	M 1500HM, F, 1/16W	
R4213	ERJ3EKF33R0	M 330HM, F, 1/16W	
R4214	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R4215	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R4216	ERJ3GEYJ152	M 1.5KOHM, J, 1/16W	
R4217	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R422	ERJ3GEYJ224	M 220KOHM, J, 1/16W	
R4220	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R4221	ERJ3EKF33R0	M 330HM, F, 1/16W	
R4223	ERJ3GEYJ470	M 470HM, J, 1/16W	
R4224	ERJ3EKF5760	FIXED RESISTOR	
R4227	ERJ3EKF33R0	M 330HM, F, 1/16W	
R4233	ERJ3EKF33R0	M 330HM, F, 1/16W	
R4234	ERJ3GEYJ560	M 560HM, J, 1/16W	
R4235	ERJ3EKF1500	M 1500HM, F, 1/16W	
R4237	ERJ3EKF2701	M 2.7KOHM, F, 1/16W	
R4238	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R424	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	
R4241	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R4244	ERJ3EKF4700	M 4700HM, F, 1/16W	
R4245	ERJ3EKF1500	M 1500HM, F, 1/16W	
R4248	ERJ3EKF1401	M 1.4KOHM, F, 1/16W	
R4249	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R4250	ERJ3GEYJ220	M 220HM, J, 1/16W	
R4252	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R4253	ERJ3GEYJ220	M 220HM, J, 1/16W	
R4256	ERJ3GEYJ560	M 560HM, J, 1/16W	
R4258	ERJ6GEYJ471	M 470OHM, J, 1/10W	
R426	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	
R4260	ERJ3GEYJ330	M 330HM, J, 1/16W	
R4266	ERJ3GEYJ821	M 820OHM, J, 1/16W	
R4267	ERJ3EKF4700	M 4700HM, F, 1/16W	
R4268	ERJ3EKF3601	F 3.6KOHM, F, 1/16W	
R4270	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R4271	ERJ3EKF4700	M 4700HM, F, 1/16W	
R4274	ERJ3GEYJ821	M 820OHM, J, 1/16W	
R4276	ERJ3EKF3601	F 3600HM, J, 1/16W	
R4278	ERJ6GEYJ471	M 470OHM, J, 1/10W	
R4279	ERJ3GEYJ330	M 330HM, J, 1/16W	
R428	ERJ3GEYJ103	M 10KOHM, J, 1/16W	
R4280	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R4281	ERJ3GEYJ330	M 330HM, J, 1/16W	
R4282	ERJ6GEYJ331	M 330OHM, J, 1/10W	
R4283	ERJ3GEYJ681	M 680OHM, J, 1/16W	
R4284	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R4285	ERJ3EKF2201	M 2.2KOHM, F, 1/16W	
R4286	ERJ6GEYJ361	M 360OHM, J, 1/10W	
R4287	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R4288	ERJ3EKF1000	F 100OHM, F, 1/16W	
R4289	ERJ3EKF1800	M 1800HM, F, 1/16W	
R429	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	
R4290	ERJ3GEYOR00	M 0OHM, J, 1/16W	
R4293	ERJ3GEYJ220	M 220HM, J, 1/16W	
R4294	ERJ3EKF3600	F 3600HM, F, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R4297	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R4298	ERJ3EKF1500	M 150OHM, F, 1/16W	
R4299	ERJ3GEYJ101	M 100OHM, J, 1/16W	
R430	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R4300	D1HG5608A002	FIXED RESISTOR	
R4301	EXB38V560JV	M 560OHM, J, 1/16W	
R4302	EXB38V560JV	M 560OHM, J, 1/16W	
R431	ERJ3GEYF223	M 22KOHM, J, 1/16W	
R432	ERJ3GEYJ223	M 22KOHM, J, 1/16W	
R433	ERJ3GEYJ823	M 82KOHM, J, 1/16W	
R434	ERJ3GEYJ223	M 22KOHM, J, 1/16W	
R435	ERJ3GEYJ223	M 22KOHM, J, 1/16W	
R436	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R437	ERJ6GEYJ152	M 1.5KOHM, J, 1/10W	
R438	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R439	ERJ6GEYJ332	M 3.3KOHM, J, 1/10W	
R440	ERJ3GEYJ103	M 10KOHM, J, 1/16W	
R4401	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4402	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4404	ERJ3GEYJ220	M 22OHM, J, 1/16W	
R4405	ERJ3GEYJ220	M 22OHM, J, 1/16W	
R4406	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4407	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4408	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4409	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R441	ERJ3GEYJ221	M 220OHM, J, 1/16W	
R4410	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4411	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4413	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4414	ERJ3GEYJ560	M 560OHM, J, 1/16W	
R4415	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	
R4416	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	
R4418	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R4419	ERJ3EKF1002	M 10KOHM, F, 1/16W	
R4421	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R4422	ERJ3GEYJ121	M 120OHM, J, 1/16W	
R4423	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R4424	ERJ3GEYJ223	M 22KOHM, J, 1/16W	
R4425	ERJ3GEYJ473	M 47KOHM, J, 1/16W	
R4426	ERJ3EKF1002	M 10KOHM, F, 1/16W	
R4427	ERJ3EKF1002	M 10KOHM, F, 1/16W	
R4428	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R4429	ERJ3GEYJ472	M 4.7KOHM, J, 1/16W	
R4430	ERJ3EKF6341	M6.34KOHM, F, 1/16W	
R4431	ERJ3GEYJ101	M 100OHM, J, 1/16W	
R4432	ERJ3GEYJ103	M 10KOHM, J, 1/16W	
R4433	ERJ3GEYJ181	M 180OHM, J, 1/16W	
R4434	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	
R4435	ERJ3EKF3301	M 3.3KOHM, F, 1/16W	
R4436	ERJ3EKF1200	M 120OHM, F, 1/16W	
R4437	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4438	ERJ3GEYJ331	M 330OHM, J, 1/16W	
R4439	ERJ3EKF3902	M 39KOHM, F, 1/16W	
R4440	ERJ3GEYJ123	M 12KOHM, J, 1/16W	
R4441	ERJ3GEYJ471	M 470OHM, J, 1/16W	
R4442	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	
R4443	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4444	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R4445	ERJ3GEYJ272	M 2.7KOHM, J, 1/16W	
R4446	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4447	ERJ3GEYJ332	M 3.3KOHM, J, 1/16W	
R4448	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R4449	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R4450	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R4452	ERJ3GEYJ151	M 150OHM, J, 1/16W	
R4453	ERJ3EKF8202	M 82KOHM, F, 1/16W	
R4454	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4455	ERJ3EKF3302	F 33OHM, F, 1/16W	
R4456	ERJ3EKF3302	F 33OHM, F, 1/16W	
R4457	ERJ3EKF8202	M 82KOHM, F, 1/16W	
R4458	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4459	ERJ3EKF1002	M 10KOHM, F, 1/16W	
R4460	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4461	ERJ3GEYJ183	M 18KOHM, J, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R4462	ERJ3EKF8202	M 82KOHM, F, 1/16W	
R4463	ERJ3GEYJ101	M 100OHM, J, 1/16W	
R4465	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4466	ERJ3EKF1002	M 10KOHM, F, 1/16W	
R4467	ERJ3EKF1002	M 10KOHM, F, 1/16W	
R4469	ERJ3GEYJ103	M 10KOHM, J, 1/16W	
R4470	ERJ3GEYJ103	M 10KOHM, J, 1/16W	
R4471	ERJ3EKF3302	F 33OHM, F, 1/16W	
R4472	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	
R4473	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4474	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R4475	ERJ3GEYJ220	M 22OHM, J, 1/16W	
R4476	ERJ8GEY0R00	M 0OHM, J, 1/8W	
R4477	ERJ8GEY0R00	M 0OHM, J, 1/8W	
R4478	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4479	ERJ3GEYJ680	M 68OHM, J, 1/16W	
R4481	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4482	ERJ3GEYJ223	M 22KOHM, J, 1/16W	
R4483	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	
R4484	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	
R4485	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R4486	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R4487	ERJ3GEYJ101	M 100OHM, J, 1/16W	
R4488	ERJ3GEYJ103	M 10KOHM, J, 1/16W	
R4489	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4490	ERJ3GEYJ101	M 100OHM, J, 1/16W	
R4492	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R4493	ERJ3GEYJ471	M 470OHM, J, 1/16W	
R4494	ERJ3GEYJ101	M 100OHM, J, 1/16W	
R4495	D1HG4708A002	FIXED RESISTOR	
R4496	D1HG4708A002	FIXED RESISTOR	
R4497	D1HG5608A002	FIXED RESISTOR	
R4498	ECJ1VB0J105K	C 1UF, K, 6.3V	
R4499	D1HG5608A002	FIXED RESISTOR	
R4500	ERJ3GEYJ331	M 330OHM, J, 1/16W	
R4501	D1HG5608A002	FIXED RESISTOR	
R4502	ERJ3GEYJ100	M 10OHM, J, 1/16W	
R4503	ERJ3GEYJ100	M 10OHM, J, 1/16W	
R4504	ERJ3EKF1500	M 150OHM, F, 1/16W	
R4505	ERJ3GEYJ100	M 10OHM, J, 1/16W	
R4506	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4507	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4508	ERJ3EKF2201	M 2.2KOHM, F, 1/16W	
R4509	ERJ3EKF1201	M 1.2KOHM, F, 1/16W	
R4510	ERJ3GEYJ222	M 2.2KOHM, J, 1/16W	
R4511	ERJ3GEYJ100	M 10OHM, J, 1/16W	
R4512	ERJ3EKF2201	M 2.2KOHM, F, 1/16W	
R4513	ERJ3GEYJ100	M 10OHM, J, 1/16W	
R4514	ERJ3EKF1000	F 100OHM, F, 1/16W	
R4515	ERJ3GEYJ330	M 33OHM, J, 1/16W	
R4516	ERJ3GEYJ471	M 470OHM, J, 1/16W	
R4517	ERJ3EKF2701	M 2.7KOHM, F, 1/16W	
R4518	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4519	ERJ3GEYJ100	M 10OHM, J, 1/16W	
R4520	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4521	D1HG5608A002	FIXED RESISTOR	
R4522	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4523	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4524	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4528	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R4529	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4531	ERJ3GEYJ471	M 470OHM, J, 1/16W	
R4532	ERJ3GEY0R00	M 0OHM, J, 1/16W	
R4533	ERJ3GEYJ220	M 22OHM, J, 1/16W	
R4534	ERJ3EKF2701	M 2.7KOHM, F, 1/16W	
R4535	ERJ3EKF75R0	M 75OHM, F, 1/16W	
R4536	ERJ3EKF75R0	M 75OHM, F, 1/16W	
R4537	ERJ3EKF75R0	M 75OHM, F, 1/16W	
R4538	ERJ3EKF75R0	M 75OHM, F, 1/16W	
R4539	ERJ3EKF2701	M 2.7KOHM, F, 1/16W	
R4540	ERJ3EKF1101	M 1.1KOHM, 1/16W	
R4541	ERJ3EKF2201	M 2.2KOHM, F, 1/16W	
R4542	ERJ3EKF2201	M 2.2KOHM, F, 1/16W	
R4543	ERJ3EKF1101	M 1.1KOHM, 1/16W	

Ref. No.	Part No.	Part Name & Description	Remarks
R4544	ERJ3EKF1500	M 1500HM, F, 1/16W	
R4545	ERJ3GEYJ471	M 4700HM, J, 1/16W	
R4546	ERJ3GEYJ331	M 3300HM, J, 1/16W	
R4547	ERJ3GEYJ560	M 560HM, J, 1/16W	
R4548	ERJ3GEYJ331	M 3300HM, J, 1/16W	
R4549	ERJ3GEYJ471	M 4700HM, J, 1/16W	
R4550	ERJ3EKF1500	M 1500HM, F, 1/16W	
R4551	ERJ3GEYJ331	M 3300HM, J, 1/16W	
R4552	ERJ3GEYJ471	M 4700HM, J, 1/16W	
R4553	ERJ3EKF1500	M 1500HM, F, 1/16W	
R4554	ERJ3GEYJ560	M 560HM, J, 1/16W	
R4555	ERJ3GEYJ560	M 560HM, J, 1/16W	
R4559	ERJ3EKF4701	M 4.7KOHM, F, 1/16W	
R4560	ERJ3EKF4701	M 4.7KOHM, F, 1/16W	
R4561	ERJ3EKF4701	M 4.7KOHM, F, 1/16W	
R4562	ERJ3EKF3302	F 330HM, F, 1/16W	
R4563	ERJ3EKF3302	F 330HM, F, 1/16W	
R4564	ERJ3EKF3302	F 330HM, F, 1/16W	
R4565	ERJ3GEYJ680	M 680HM, J, 1/16W	
R4568	ERJ3GEY0R00	M 00HM, J, 1/16W	
R4569	ERJ3GEYJ330	M 330HM, J, 1/16W	
R4570	ERJ3GEYJ330	M 330HM, J, 1/16W	
R4571	ERJ3GEYJ330	M 330HM, J, 1/16W	
R4572	D1HG1018A002	FIXED RESISTOR	
R4573	D1HG4708A002	FIXED RESISTOR	
R4574	D1HG4708A002	FIXED RESISTOR	
R4575	D1HG1018A002	FIXED RESISTOR	
R4576	D1HG1018A002	FIXED RESISTOR	
R4577	ERJ3GEYJ680	M 680HM, J, 1/16W	
R4578	D1HG1018A002	FIXED RESISTOR	
R4579	ERJ3GEYJ220	M 220HM, J, 1/16W	
R4580	ERJ3GEYJ220	M 220HM, J, 1/16W	
R4581	ERJ3EKF1101	M 1.1KOHM, 1/16W	
R4583	D1HG1018A002	FIXED RESISTOR	
R4584	D1HG1018A002	FIXED RESISTOR	
R4586	D1HG1018A002	FIXED RESISTOR	
R4587	D1HG1018A002	FIXED RESISTOR	
R4588	D1HG1018A002	FIXED RESISTOR	
R4590	ERJ3GEYJ821	M 8200HM, J, 1/16W	
R4591	ERJ3GEYJ681	M 6800HM, J, 1/16W	
R4592	ERJ3GEYJ331	M 3300HM, J, 1/16W	
R4595	ERJ3GEY0R00	M 00HM, J, 1/16W	
R4596	ERJ3GEY0R00	M 00HM, J, 1/16W	
R4597	ERJ3GEYJ103	M 10KOHM, J, 1/16W	
R4598	D1HG1018A002	FIXED RESISTOR	
R4601	ERJ3GEY0R00	M 00HM, J, 1/16W	
R4602	D1HG5608A002	FIXED RESISTOR	
R4603	ERJ3GEYJ560	M 560HM, J, 1/16W	
R4604	ERJ3GEY0R00	M 00HM, J, 1/16W	
R4605	ERJ3GEY0R00	M 00HM, J, 1/16W	
R4606	ERJ3GEY0R00	M 00HM, J, 1/16W	
R4608	ERJ3GEY0R00	M 00HM, J, 1/16W	
R4609	ERJ3GEY0R00	M 00HM, J, 1/16W	
R4610	ERJ3GEY0R00	M 00HM, J, 1/16W	
R4611	ERJ3GEY0R00	M 00HM, J, 1/16W	
R4612	ERJ3GEYJ223	M 22KOHM, J, 1/16W	
R4613	ERJ3GEY0R00	M 00HM, J, 1/16W	
R4614	ERJ3GEYJ220	M 220HM, J, 1/16W	
R4615	ERJ3GEYJ220	M 220HM, J, 1/16W	
R4617	ERJ3GEY0R00	M 00HM, J, 1/16W	
R4618	ERJ3GEY0R00	M 00HM, J, 1/16W	
R4619	ERJ3GEY0R00	M 00HM, J, 1/16W	
R4620	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R4621	ERJ3GEY0R00	M 00HM, J, 1/16W	
R4622	ERJ3GEY0R00	M 00HM, J, 1/16W	
R4678	D1HG5608A002	FIXED RESISTOR	
R4679	ERJ3GEYJ560	M 560HM, J, 1/16W	
R4680	D1HG5608A002	FIXED RESISTOR	
R4682	D1HG5608A002	FIXED RESISTOR	
R4800	ERDS2TJ473	C 47KOHM, J, 1/4W	
R4801	ERJ3GEYJ473	M 47KOHM, J, 1/16W	
R4802	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R4803	ERJ3GEYJ393	M 39KOHM, J, 1/16W	
R4805	ERJ6ENF8871	F 8.87KOHM, F, 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
R4806	ERJ6ENF6801	M 6.8KOHM, 1/10W	
R4807	ERJ3GEYJ683	M 68KOHM, J, 1/16W	
R4808	ERJ3GEYJ333	M 33KOHM, J, 1/16W	
R4809	ERJ3GEYJ100	M 100HM, J, 1/16W	
R4810	ERJ3GEYJ562	M 5.6KOHM, J, 1/16W	
R4811	ERJ3GEY0R00	M 00HM, J, 1/16W	
R4812	ERDS1FJ151	C 1500HM, J, 1/2W	
R4813	ERJ3GEYJ223	M 22KOHM, J, 1/16W	
R4815	ERJ3GEYJ103	M 10KOHM, J, 1/16W	
R4816	ERJ3GEYJ103	M 10KOHM, J, 1/16W	
R4818	ERJ3GEYJ123	M 12KOHM, J, 1/16W	
R4818	ERX12SJR2R7E	M 2.70HM J 1/2W (GM BOARD ONLY)	
R4819	ERJ6GEYJ272	M 2.7KOHM, J, 1/10W	
R4820	ERJ6ENF1331	M1.33KOHM 1/10W (GM BOARD ONLY)	
R4820	ERJ6ENF2611	F 2.61KOHM, F, 1/10W	
R4821	ERJ6ENF3320	M 3320HM 1/10W (GM BOARD ONLY)	
R4821	ERJ6ENF5361	M5.36KOHM, 1/10W	
R4822	ERJ6ENF1001	M 1KOHM 1/10W (GM BOARD ONLY)	
R4822	ERJ6ENF5102	M 51KOHM, 1/10W	
R4823	ERDS1FJ101	C 1000HM, J, 1/2W	
R4823	ERJ6GEYJ472	M 4.7KOHM J 1/10W (GM BOARD ONLY)	
R4824	ERJ6ENF5602	M 56KOHM, 1/10W	
R4824	ERJ6ENF5621	M5.62KOHM 1/10W (GM BOARD ONLY)	
R4825	ERJ6ENF2001	M 2KOHM, 1/10W	
R4825	ERJ6ENF3832	M38.3KOHM 1/10W (GM BOARD ONLY)	
R4826	ERDS1FJ391	C 3900HM, J, 1/2W	
R4826	ERJ6ENF2213	M 221KOHM 1/10W (GM BOARD ONLY)	
R4827	ERJ6ENF9091	M9.09KOHM 1/10W (GM BOARD ONLY)	
R4827	ERX12SJR68P	M 0.68KOHM, J, 1/2W	
R4828	ERJ6ENF5102	M 51KOHM, 1/10W	
R4828	ERJ6ENF6651	M6.65KOHM 1/10W (GM BOARD ONLY)	
R4829	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R4830	ERX12SJR68P	M 0.68KOHM, J, 1/2W	
R4831	ERDS1FJ820	C 8200HM J 1/4W (GM BOARD ONLY)	
R4831	ERJ3GEYJ683	M 68KOHM, J, 1/16W	
R4832	ERJ3GEYJ102	M 1KOHM, J, 1/16W	
R4833	ERJ3GEYJ103	M 10KOHM, J, 1/16W	
R4834	ERJ3GEYJ822	M 8.2KOHM, J, 1/16W	
R4836	ERJ3GEYJ103	M 10KOHM, J, 1/16W	
R4837	ERJ3GEY0R00	M 00HM, J, 1/16W	
R4837	ERJ6GEYJ472	M 4.7KOHM J 1/10W (GM BOARD ONLY)	
R4839	ERJ6ENF4702	M 47KOHM, 1/10W	
R4840	ERJ6GEYJ472	M 4.7KOHM, J, 1/10W	
R4841	ERJ6GEYJ103	M 10KOHM, J, 1/10W	
R4842	ERJ6GEYJ101	M 1000HM, J, 1/10W	
R4843	ERJ6GEYJ471	M 4700HM, J, 1/10W	
R4844	ERJ6GEYJ561	M 5600HM, J, 1/10W	
R4850	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
R4851	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
R4852	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
R4853	ERJ6GEYJ104	M 100KOHM, J, 1/10W	
R4854	ERJ6GEYJ101	M 1000HM, J, 1/10W	
R4855	ERJ6GEYJ101	M 1000HM, J, 1/10W	
R4856	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R4857	ERJ6GEYJ102	M 1KOHM, J, 1/10W	
R4860	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W	
R4861	EVMEGSA00B23	VARIABLE RESISTOR	
R4862	ERJ6GEYJ822	M 8.2KOHM, J, 1/10W	
R4863	EVMEGSA00B23	VARIABLE RESISTOR	
R502	ERX2SJS2R7H	M 2.70HM, J, 2W	
R503	ERG1FJS561E	M 5600HM, J, 1W	
R504	ERDS2TJ104	C 100KOHM, J, 1/4W	
R505	ERDS2TJ680	C 680HM, J, 1/4W	
R512	ERDS2TJ223	C 22KOHM, J, 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
R513	ERDS2TJ332	C 3.3KOHM, J, 1/4W	
R515	ERDS2TJ223	C 22KOHM, J, 1/4W	
R516	ERDS2TJ103	C 10KOHM, J, 1/4W	
R517	ERDS2TJ103	C 10KOHM, J, 1/4W	
R518	ERDS2TJ103	C 10KOHM, J, 1/4W	
R519	ERDS2TJ103	C 10KOHM, J, 1/4W	
R520	ERDS2TJ203	C 20KOHM, J, 1/4W	
R521	ERG2FJS123D	M 12KOHM, J, 2W	
R522	ERDS2TJ101	C 100OHM, J, 1/4W	
R523	ERDS2TJ103	C 10KOHM, J, 1/4W	
R524	ERDS2TJ103	C 10KOHM, J, 1/4W	
R525	ERDS2TJ331	C 330OHM, J, 1/4W	
R526	ERDS2TJ104	C 100KOHM, J, 1/4W	
R527	ERDS2TJ104	C 100KOHM, J, 1/4W	
R528	ERDS2TJ101	C 100OHM, J, 1/4W	
R529	ERDS2TJ560	C 560OHM, J, 1/4W	
R530	ERDS2TJ101	C 100OHM, J, 1/4W	
R531	ERC14GK334	S 330KOHM, K, 1/4W	
R532	ERDS2TJ473	C 47KOHM, J, 1/4W	
R533	ERG3FJS821D	M 820OHM, J, 3W	
R534	ERDS2TJ333	C 33KOHM, J, 1/4W	
R535	ERG1FJS332D	M 3.3KOHM, J, 1W	
R536	ERG3FJS821D	M 820OHM, J, 3W	
R537	ERC12GK104	S 100KOHM, K, 1/2W	
R538	ERDS2TJ125	C 1.2MOHM, J, 1/4W	
R539	ERDS2TJ333	C 33KOHM, J, 1/4W	
R540	ERDS2TJ125	C 1.2MOHM, J, 1/4W	
R541	ERDS2TJ122	C 1.2KOHM, J, 1/4W	
R542	ERDS1FJ101	C 100OHM, J, 1/2W	
R543	ERDS2TJ101	C 100OHM, J, 1/4W	
R545	ERDS2TJ103	C 10KOHM, J, 1/4W	
R547	ERDS2TJ104	C 100KOHM, J, 1/4W	
R548	ERDS2TJ333	C 33KOHM, J, 1/4W	
R549	ERDS2TJ101	C 100OHM, J, 1/4W	
R551	ERX2FZJR18H	M 0.18OHM, J, 2W	
R555	ERG3FJ221H	M 220OHM, J, 3W	
R556	ERG2FJ221H	M 220OHM, J, 2W	
R561	ERDS2TJ103	C 10KOHM, J, 1/4W	
R563	ERDS2TJ562	C 5.6KOHM, J, 1/4W	
R571	ERQ2CJP1R0S	F 10HM, J, 2W	
R580	ER0S2CHF1911	M 1.91KOHM, F, 1/4W	
R581	ERDS2TJ222	C 2.2KOHM, J, 1/4W	
R582	ERDS2TJ222	C 2.2KOHM, J, 1/4W	
R583	ERDS2TJ223	C 22KOHM, J, 1/4W	
R584	ERDS2TJ223	C 22KOHM, J, 1/4W	
R585	ER050CHF2802	M 28KOHM, F, 1/2W	
R586	ER0S2CHF2202	M 22KOHM, F, 1/4W	
R587	ER0S2CHF1502	M 15KOHM, F, 1/4W	
R588	ER0S2CHF3902	M 39KOHM, F, 1/4W	
R589	ER0S2CHF4702	M 47KOHM, F, 1/4W	
R590	ERDS2TJ103	C 10KOHM, J, 1/4W	
R593	ERDS2TJ224	C 220KOHM, J, 1/4W	
R594	ERDS2TJ823	C 82KOHM, J, 1/4W	
R596	ERDS2TJ103	C 10KOHM, J, 1/4W	
R597	ERDS2TJ153	C 15KOHM, J, 1/4W	
R717	ERDS2TJ103	C 10KOHM, J, 1/4W	
R718	ERDS2TJ103	C 10KOHM, J, 1/4W	
R719	ERDS2TJ222	C 2.2KOHM, J, 1/4W	
R720	ERDS2TJ103	C 10KOHM, J, 1/4W	
R741	ERDS1FJ680	C 68OHM, J, 1/2W	
R743	ERG3FJ220H	M 220OHM, J, 3W	
R744	ERX3FJ4R7H	M 4.7OHM, J, 3W	
R765	ERQ14AJ220P	F 220HM, J, 1/4W	
R766	ERDS2TJ473	C 47KOHM, J, 1/4W	
R771	ERQ14AJ100	F 100HM, J, 1/4W	
R773	ER0S2CHF2201	M 2.2KOHM, F, 1/4W	
R7732	ERJ6GEYJ181	M 180OHM, J, 1/10W	
R7733	ERJ6GEYJ181	M 180OHM, J, 1/10W	
R7734	ERJ6GEYJ181	M 180OHM, J, 1/10W	
R774	ER0S2CHF4991	M 4.99KOHM, F, 1/4W	
R7755	ERJ6GEYOR00	M 00HM, J, 1/10W	
R776	ERDS2TJ103	C 10KOHM, J, 1/4W	
R7760	ERJ8GEYOR00	M 00HM, J, 1/8W	
R7761	ERJ8GEYOR00	M 00HM, J, 1/8W	

Ref. No.	Part No.	Part Name & Description	Remarks
R7762	ERJ8GEYOR00	M 00HM, J, 1/8W	
R7763	ERJ8GEYOR00	M 00HM, J, 1/8W	
R777	ERDS2TJ223	C 22KOHM, J, 1/4W	
R778	ERDS2TJ184	C 180KOHM, J, 1/4W	
R801	D0D74R7KA011	W 2.2OHM, K, 7W	△
R802	ERDS2TJ681	C 680OHM, J, 1/4W	
R803	ERG3FJS183E	M 18KOHM, J, 3W	
R804	ERG3FJS183E	M 18KOHM, J, 3W	
R805	ERDS2TJ332	C 3.3KOHM, J, 1/4W	
R807	ERDS2TJ102	C 1KOHM, J, 1/4W	
R808	ERDS2TJ561	C 560OHM, J, 1/4W	
R809	ERDS2TJ103	C 10KOHM, J, 1/4W	
R810	ERX12SZJR12P	M 0.12OHM, J, 1/2W	
R811	ERDS2TJ152	C 1.5KOHM, J, 1/4W	
R812	ERDS2TJ152	C 1.5KOHM, J, 1/4W	
R814	ERDS1TJ150	C 15OHM, J, 1/2W	
R815	ERG3FJS104E	M 100KOHM, J, 3W	
R816	ERX12SJR22P	M 0.22OHM, J, 1/2W	
R818	ERDS2TJ223	C 22KOHM, J, 1/4W	
R819	ERDS2TJ681	C 680OHM, J, 1/4W	
R820	ERDS2TJ562	C 5.6KOHM, J, 1/4W	
R821	ERD75TAJ825	C 8.2MOHM, J, 3/4W	
R822	ERDS1TJ182	C 1.8OHM, J, 1/2W	
R823	ERDS1TJ153	C 15KOHM, J, 1/2W	
R824	ERDS2TJ102	C 1KOHM, J, 1/4W	
R841	ERF2AK5R6P	W 5.6OHM, K, 2W	
R842	ERG1FJS104D	M 100KOHM, J, 1W	
R843	ERDS2TJ6R8	C 6.8OHM, J, 1/4W	
R844	ERDS2TJ6R8	C 6.8OHM, J, 1/4W	
R850	TSF19402	FUSE	△
R851	K5G802300001	FUSE	△
R852	K5G103300001	FUSE	△
R855	ERDS2TJ821	C 820OHM, J, 1/4W	
R856	ERDS2TJ563	C 56KOHM, J, 1/4W	
R857	ERDS2TJ332	C 3.3KOHM, J, 1/4W	
R859	ERDS2TJ154	C 150KOHM, J, 1/4W	
R860	TSF19402	FUSE	△
R863	D0D72R2KA011	W 2.2OHM, K, 7W	
R864	ERDS2TJ563	C 56KOHM, J, 1/4W	
R865	ERDS2TJ103	C 10KOHM, J, 1/4W	
R867	ERG3FJS153E	M 15KOHM, F, 3W	
R869	ERDS1TJ333	C 33KOHM, J, 1/2W	
R881	ERDS1TJ100	C 10OHM, J, 1/2W	
R882	ER0S2CKF1052	M 10.5KOHM, F, 1/4W	
R883	ERDS2TJ222	C 2.2KOHM, J, 1/4W	
R884	ERDS2TJ103	C 10KOHM, J, 1/4W	
R885	ER0S2CKF1002	M 10KOHM, F, 1/4W	
R891	ERC12ZGK335	S 3.3MOHM, K, 1/2W	
R934	ERJ6GEYJ333	M 33KOHM, J, 1/10W	
R935	ERG2FJS391E	M 390OHM, J, 2W	
R936	ERJ6GEYJ682	M 6.8KOHM, J, 1/10W	
R937	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R938	ERJ6GEYJ101	M 100OHM, J, 1/10W	
R939	ERJ6GEYJ223	M 22KOHM, J, 1/10W	
R940	ERJ6GEYJ392	M 3.9KOHM, J, 1/10W	
R941	ERJ6GEYOR00	M 00HM, J, 1/10W	
R942	ERJ6GEYJ151	M 150OHM, J, 1/10W	
R943	ERJ6GEYJ681	M 680OHM, J, 1/10W	
R944	ERJ6GEYJ241	M 240OHM, J, 1/10W	
R945	ERJ6GEYOR00	M 00HM, J, 1/10W	
R946	ERDS2TJ681	C 680OHM, J, 1/4W	
R947	ERJ6GEYOR00	M 00HM, J, 1/10W	
R948	ERJ6GEYOR00	M 00HM, J, 1/10W	
R949	ERDS2TJ102	C 1KOHM, J, 1/4W	
R950	ERDS2TJ102	C 1KOHM, J, 1/4W	
R951	ERDS2TJ271	C 270OHM, J, 1/4W	
R952	ERDS2TJ271	C 270OHM, J, 1/4W	
R953	ERDS1TJ151	C 150OHM, J, 1/2W	
R954	ERG2FJS391E	M 390OHM, J, 2W	
R955	ERC14GK100	S 10OHM, G, 1/4W	
R956	ERC14GK100	S 10OHM, G, 1/4W	
R957	ERQ1CJP331S	F 330OHM, J, 1W	
R960	ERQ14AJ100	F 100HM, J, 1/4W	
R964	ERDS2TJ561	C 560OHM, J, 1/4W	

Ref. No.	Part No.	Part Name & Description	Remarks
R965	ERDS2TJ683	C 68KOHM,J, 1/4W	
R967	ERDS2TJ683	C 68KOHM,J, 1/4W	
R968	ERDS2TJ561	C 560OHM,J, 1/4W	
R969	ERDS2TJ2R2	C 2.2OHM,J, 1/4W	
R970	ERDS2TJ2R2	C 2.2OHM,J, 1/4W	
R971	ERDS2TJ2R2	C 2.2OHM,J, 1/4W	
R972	ERDS2TJ2R2	C 2.2OHM,J, 1/4W	
R973	ERDS2TJ820	C 82OHM,J, 1/4W	
	TRANSFORMERS		
T501	ETH19Y187AY	H DRIVE TRANS	△
T521	ETF18L106A	DAF TRANS	△
T551	ZTFN57008A	FLYBACK TRANS	△
T801	G4D4A0000055	SWITCHING TRANS	△
T841	ETS25AD1K6AG	SWITCHING TRANS	△
	OTHERS		
A1	TJSF20216	16P CONNECTOR	
A10	TJS3A9640	3P CONNECTOR	
A11	TJS3A9680	7P CONNECTOR	
A12	TJS3A9900	10P CONNECTOR	
A17	TJS3A9660	CONNECTOR	
A2	TJSF20216	16P CONNECTOR	
A3	TJSF20216	16P CONNECTOR	
A4	K1KB35B00001	CONNECTOR	
A45	K1KA04A00195	CONNECTOR	
A5	K1KB50A00113	CONNECTOR	
A8	TJS3A9890	9P CONNECTOR	
CF805	D4DDD1200002	POSISTOR	△
CF806	D4DDD1200002	POSISTOR	△
D1	TJSF20316	16P CONNECTOR	
D2	TJSF20316	16P CONNECTOR	
D3	TJSF20316	16P CONNECTOR	
D6	K1KA06A00180	6P CONNECTOR	
D7	K1KB08A00056	8P CONNECTOR	
D8	K1KB08A00056	8P CONNECTOR	
D10	TJS3A9640	3P CONNECTOR	
D11	TJS6A8550	CONNECTOR	
D12	K1ZZ00001205	CONNECTOR	
D20	K1KA02A00244	CONNECTOR	
DF1	K1KA08B00121	CONNECTOR	
DF2	K1KA08B00121	CONNECTOR	
DF3	K1ZZ00001205	CONNECTOR	
DF4	TJS5A8750	CONNECTOR	
DG1	K1KB65A00002	CONNECTOR	
DG2	K1KA14A00123	14P CONNECTOR	
DG3	K1KA35B00003	CONNECTOR	
DG4	K1KA50B00081	CONNECTOR	
F801	K5D502BK0009	FUSE	△
FL1101	ELKE103FA	NOISE FILTER	
FL4401	TLK20LFA103M	EMI FILTER	
FL4402	TLK20LFA103M	EMI FILTER	
FL4403	TLK20LFA103M	EMI FILTER	
FL4404	TLK20LFA103M	EMI FILTER	
FL4405	TLK20LFA103M	EMI FILTER	
FL4406	TLK20LFA103M	EMI FILTER	
FL4407	TLK20LFA103M	EMI FILTER	
FL4408	TLK20LFA103M	EMI FILTER	
FL4409	TLK20LFA103M	EMI FILTER	
FL4410	TLK20LFA103M	EMI FILTER	
FL4411	TLK20LFA103M	EMI FILTER	
FL4412	ELKE103FA	NOISE FILTER	
FL4413	ELKE103FA	NOISE FILTER	
FL4414	ELKE103FA	NOISE FILTER	
FL4415	ELKE103FA	NOISE FILTER	
FL4416	ELKE103FA	NOISE FILTER	
FL4417	ELKE103FA	NOISE FILTER	
FL4418	ELKE103FA	NOISE FILTER	
FL4419	ELKE103FA	NOISE FILTER	
FL4420	ELKE103FA	NOISE FILTER	
FL4421	ELKE103FA	NOISE FILTER	
FL4422	TLK20LFA103M	EMI FILTER	
FL4423	TLK20LFA103M	EMI FILTER	
FL4424	TLK20LFA103M	EMI FILTER	
FL4425	TLK20LFA103M	EMI FILTER	
FL4426	TLK20LFA103M	EMI FILTER	

Ref. No.	Part No.	Part Name & Description	Remarks
FL4429	TLK20LFA103M	EMI FILTER	
FL4430	TLK20LFA103M	EMI FILTER	
FL4431	TLK20LFA103M	EMI FILTER	
G2	TJS3A9900	10P CONNECTOR	
G6	TJS158130	2P CONNECTOR	
G8	TJS3A9660	CONNECTOR	
GM1	TJS3A9890	9P CONNECTOR	
GM2	TJS3A9660	CONNECTOR	
H1	K1KA65B00003	CONNECTOR	
H2	TJS1A8130	PHONO PIN	
H6	TJS3A9890	9P CONNECTOR	
JA1	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA10	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA11	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA12	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA13	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA14	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA15	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA16	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA17	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA18	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA19	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA2	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA20	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA21	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA22	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA24	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA25	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA26	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA27	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA28	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA29	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA3	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA30	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA31	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA32	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA33	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA34	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA35	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA36	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA37	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA38	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA4	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA5	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA6	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA7	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA8	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JA9	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JK3002	TJB0A639	REAR AV TERMINAL	
JK3102	TJB4G637	FRONT AV TERMINAL	
JS001	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS003	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS009	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS010	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS014	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS015	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS018	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS092	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JS093	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JS094	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JS095	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JS099	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JS1	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS100	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JS101	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JS102	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JS104	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JS105	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JS1105	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS1124	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS1125	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS116	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS118	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS126	ERJ6GEY0R00	M 0OHM, J, 1/10W	

Ref. No.	Part No.	Part Name & Description	Remarks
JS136	ERJ8GEY0R00	M 0OHM, J, 1/8W	
JS137	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JS138	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JS139	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JS1405	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS1406	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS1407	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JS1408	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JS1412	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS1418	EXCELD35V	CORE	
JS1420	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS144	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS148	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS2	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS2400	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JS2407	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JS2412	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS4	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS400	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS4008	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS4009	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS401	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS4207	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS4401	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS4402	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS4403	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS4408	ERJ8GEY0R00	M 0OHM, J, 1/8W	
JS4422	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS4427	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS4436	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS4437	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS4439	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS4440	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS4441	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS4444	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS4445	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS4447	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS4449	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS458	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS4603	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS5	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS7701	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS7702	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS7703	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS7704	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS7705	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS7706	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JS7707	ERJ3GEY0R00	M 0OHM, J, 1/16W	
JSL14	ERJ6GEY0R00	M 0OHM, J, 1/10W	
JSL2	ERJ6GEY0R00	M 0OHM, J, 1/10W	
L1	TJS3A9900	10P CONNECTOR	
L2	TJS3A9640	3P CONNECTOR	
L3	K1KA06A00180	6P CONNECTOR	
L5	K1ZZ00001205	CONNECTOR	
L11	TJSF41601	CONNECTOR	
L12	TJSF41601	CONNECTOR	
LC4801	L2DA00000010	GEOMAGNETIC SENSOR	
LF890	45W-3028	LINE FILTER	
LF891	G0B462H00002	LINE FILTER	
RL701	K6B1CGA00076	RELAY	△
RL801	K6B1ADA00010	RELAY	△
RL802	K6B2ADA00005	RELAY	△
RM1001	B3RAD0000048	REMOTE RECEIVER IC	
RT1	TJS3A9640	3P CONNECTOR	
RT2	K1KA04A00195	CONNECTOR	
SC351	TJSC01100	CRT SOCKET	△
SW1003A	EVQ11G05R	SWITCH	
SW1004A	EVQ11G05R	SWITCH	
SW1005A	EVQ11G05R	SWITCH	
SW1006A	EVQ11G05R	SWITCH	
SW1007A	EVQ11G05R	SWITCH	
SW840	ESB92S11B	SWITCH	△
TU1	ENGF9301GF	TUNER	△
TU51	ENG39A01GF	TUNER	△

Ref. No.	Part No.	Part Name & Description	Remarks
X1101	H0J600400006	CRYSTAL OSC	
X2000	TSSA128	CRYSTAL OSC	
X4201	H0J202500002	CRYSTAL OSC	
X4601	H0J270500018	CRYSTAL OSC	