

TOSHIBA

FILE NO. 030-200002

SERVICE MANUAL

COLOUR TELEVISION

C00S Chassis

32ZD08G

32ZD08B

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CHAPTER 1 GENERAL ADJUSTMENTS

SAFETY INSTRUCTIONS

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

X-RAY RADIATION PRECAUTION

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

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

Each time a receiver requires servicing, the high voltage should be checked following the HIGH VOLTAGE CHECK procedure in this manual. It is recommended that the reading of the high voltage be recorded as a part of the service record. It is important to use an accurate and reliable high voltage meter.

2. The only source of X-RAY RADIATION in this TV receiver is the picture tube. For continued X-RAY RADIATION protection, the replacement tube must be exactly the same type tube as specified in the parts list.
3. Some part in this receiver have special safety-related characteristics for X-RAY RADIATION protection. For continued safety, parts replacement should be undertaken only after referring to the PRODUCT SAFETY NOTICE below.

SAFETY PRECAUTION

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

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

PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These characteristics are often passed unnoticed by a visual inspection and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this manual and its supplements; electrical components having such features are identified by the international hazard symbols on the schematic diagram and the parts list.

Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create shock, fire, X-ray radiation or other hazards.

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

SET-UP ADJUSTMENT

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

- Color Purity
- Convergence
- White Balance

Note: The PURITY/CONVERGENCE MAGNET assembly and rubber wedges need mechanical positioning.

Refer to figure 1.

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

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

COLOR PURITY ADJUSTMENT

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

- Demagnetize the picture tube and cabinet using a degaussing coil.
- Set the brightness and contrast to maximum.
- Use a green raster from among the built-in test signals.
- Loosen the clamp screw holding the yoke and slide the yoke backward or forward to provide vertical green belt (zone) in the picture screen.

- Remove the Rubber Wedges.
- Rotate and spread the tabs of the purity magnet (See figure 2.) around the neck of the picture tube until the green belt is in the center of the screen. At the same time, enter the raster vertically.
- Slowly move the yoke forward or backward until a uniform green screen is obtained. Tighten the clamp screw of the yoke temporarily.
- Check the purity of the red and blue raster.

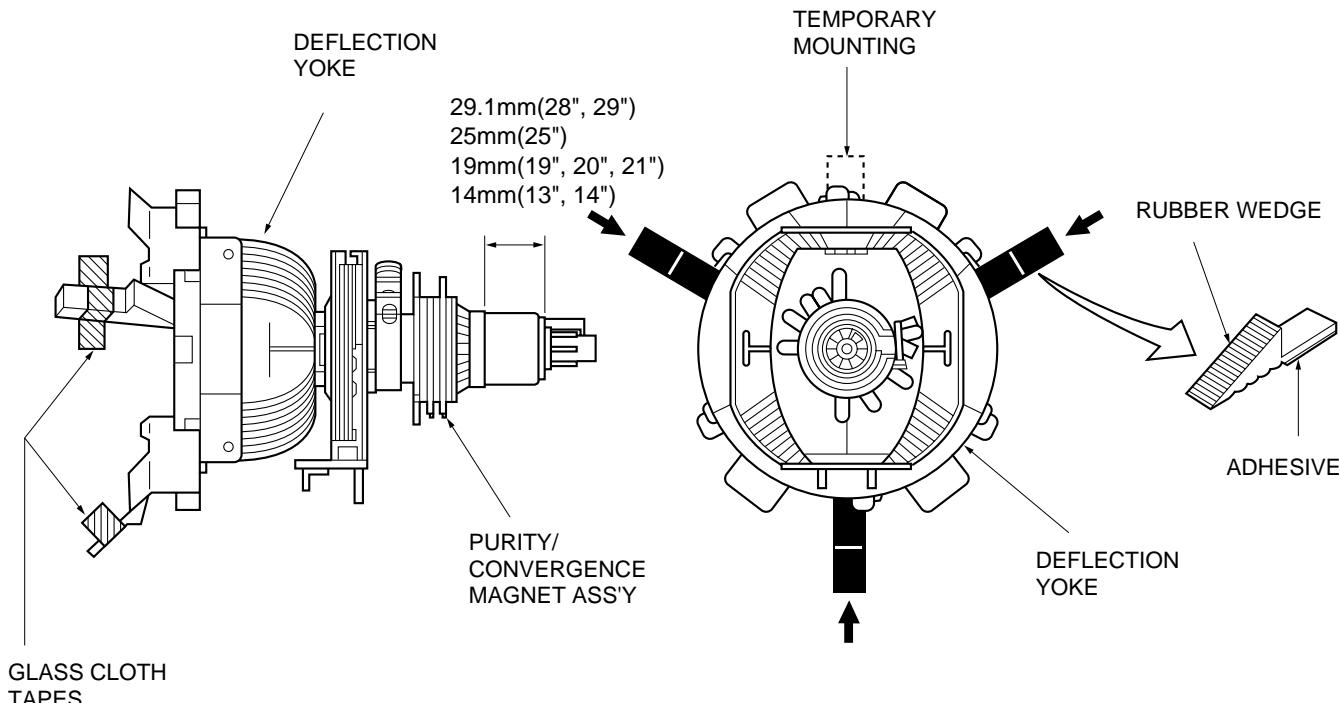


Figure 1.

CONVERGENCE ADJUSTMENTS

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

CENTER CONVERGENCE ADJUSTMENT

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

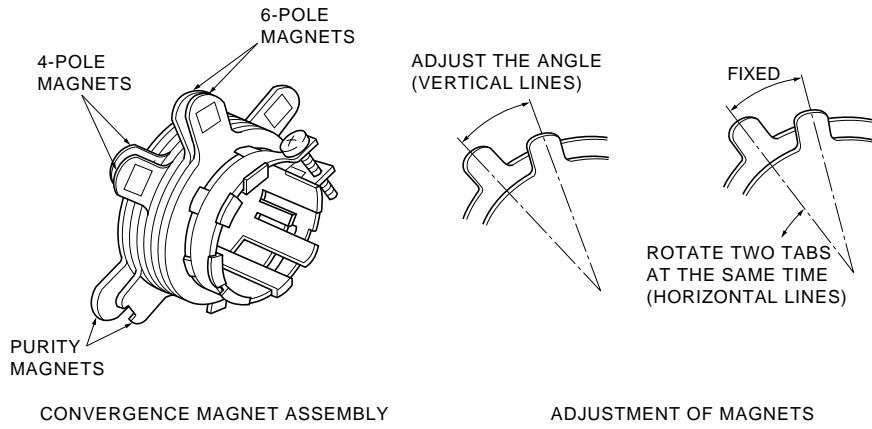
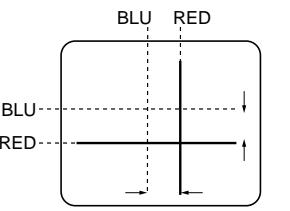
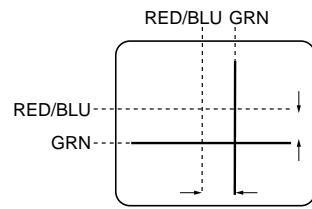


Figure 2.

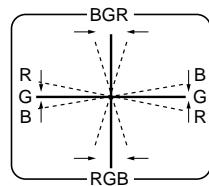


4-POLE MAGNETS MOVEMENT

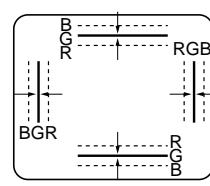


6-POLE MAGNETS MOVEMENT

Center Convergence by Convergence Magnets



INCLINE THE YOKE UP (OR DOWN)



INCLINE THE YOKE RIGHT (OR LEFT)

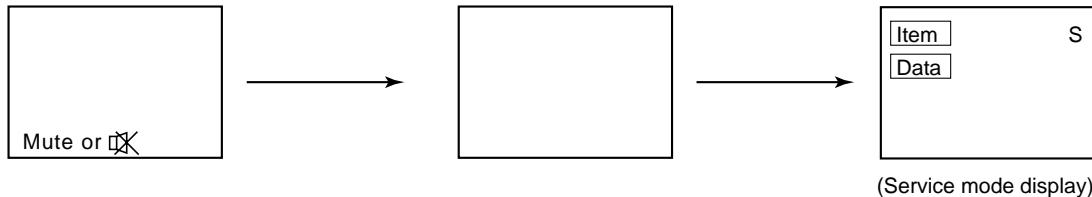
Circumference Convergence by DEF Yoke

Figure 3. Dot Movement Pattern

SERVICE MODE

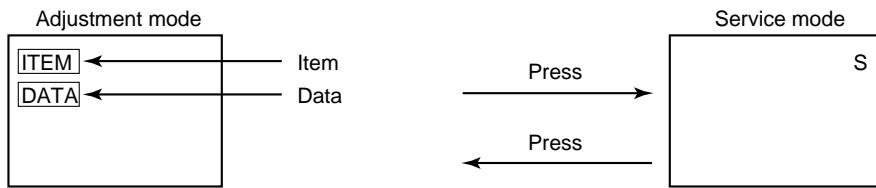
1. ENTERING TO SERVICE MODE

- 1) Press Mute button once on Remote Control.
- 2) Press Mute button again to keep pressing.
- 3) While pressing the Mute button, press MENU button on TV set.



2. DISPLAYING THE ADJUSTMENT MENU

- 1) Press MENU button on TV.



3. KEY FUNCTION IN THE SERVICE MODE

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

A single horizontal line ON/OFF:

INFO button (on Remote) or $\text{-} \odot$ button (on TV)

Test signal selection :

\odot button (on Remote)

Selection of the adjustment items :

Channel \blacktriangle/∇ (on TV or Remote)

Change of the data value :

Volume \swarrow/\searrow (on TV or Remote)

Adjustment menu mode ON/OFF :

MENU button (on TV)

Initialization of the memory (QA02) :

CALL + Channel button on TV (\blacktriangle)

Reset the count of operating protect

circuit to "00":

CALL + Channel button on TV (∇)

"RCUT" selection :

1 button

"GCUT" selection :

2 button

"BCUT" selection :

3 button

"CNTX" (or "SCNT") selection :

4 button

"COLC" selection :

5 button - - - - Color thickness correction

"TNTC" selection :

6 button

note: Displayed differently as shown below, depending on the setting of the receiving color system.

Self diagnostic display ON/OFF :

9 button

COLP (PAL)
COLC (NTSC)
COLS (SECAM)

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

4. SELECTING THE ADJUSTING ITEMS

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

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

5. ADJUSTING THE DATA

- 1) Pressing of VOLUME $\triangleleft/\triangleright$ button will change the value of data in the range from 00H to FFH. The variable range depends on the adjusting item.

6. EXIT FROM SERVICE MODE

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

■ INITIALIZATION OF MEMORY DATA OF QA02

After replacing QA02, the following initialization is required.

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

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

7. TEST SIGNAL SELECTION

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

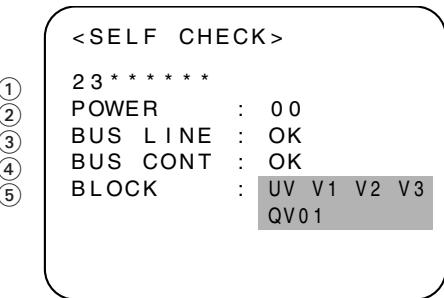
Signal off —————→ NTSC signals (5 patterns)
 ↑ ↓
 PAL signals (5 patterns)

Signals	Picture
<ul style="list-style-type: none"> • Red raster • Green raster • Blue raster • All White 	
<ul style="list-style-type: none"> • Black cross-hatch 	

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

8. SELF DIAGNOSTIC FUNCTION

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



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

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

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

NOTE: Component which controls character display on screen is ICF01 (TELETEXT IC.). If this display function fails to operate due to damage in ICF01, self diagnosis procedure is as follows.

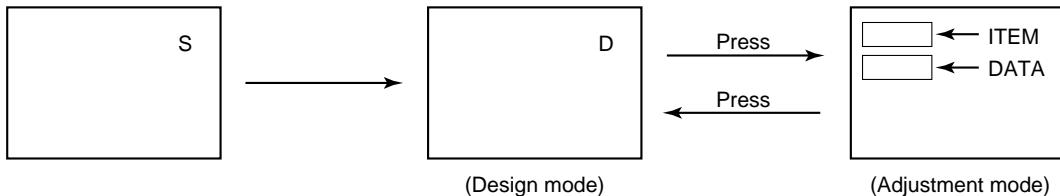
- (1) In case that power indicator is blinking with interval of 0.5 seconds; it means protecting circuit (Current limiter) is operating, and circuit components may possibly be damaged. Check related components.
- (2) In case that power indicator is blinking with interval of 1 second; Protecting circuit does not operate, but a part of Bus line does not operate normally. Check Bus line.

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

DESIGN MODE

1. ENTERING TO DESIGN MODE

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



When QA02 is initialized, items “OPT0” and “OPT1” of DESIGN MODE are set to the data of the representative model of this chassis family.

Therefore, because ON-SCREEN specification remains in the state of the representative of model. This model is required to reset the data of items “OPT0” and “OPT1”.

2. SELECTING THE ADJUSTING ITEMS

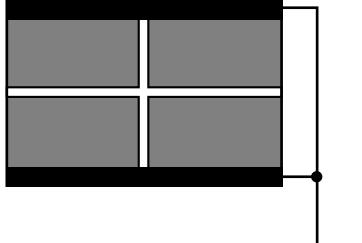
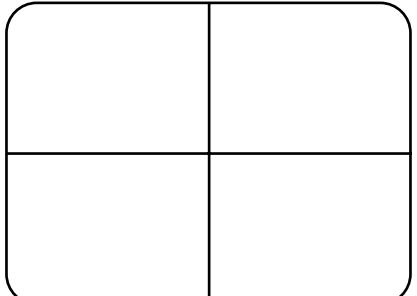
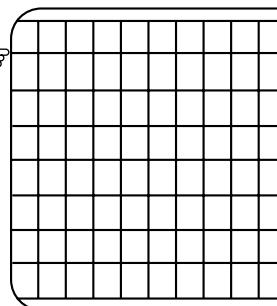
Every pressing of CHANNEL ▼ button in the design mode changes the adjustment items in the order of table-3.
(▲ button for reverse order)

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

3. ADJUSTING THE DATA

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

ELECTRICAL ADJUSTMENTS

ITEM	ADJUSTMENT PROCEDURE
FOCUS VR ADJ	<ol style="list-style-type: none"> 1. Enter the service mode, then select any register item. 2. Press the TV/VIDEO button on the Remote until the black cross-bar pattern appears on the screen. 3. Adjust the FOCUS control (on T461) for well defined scanning lines on the picture screen.
SUB-BRIGHTNESS (BRTC) Note: Constrict the picture height until the vertical retrace line appears adjusting the item HIT (HEIGHT).	<ol style="list-style-type: none"> 1. Set CONTRAST to minimum, and BRIGHTNESS to center by adjusting user controls. 2. Set the TV in service mode to get white cross-bar of inside pattern. 3. Select BRTC (brightness correction), and adjust the $\triangle -/+$ button to reduce the value so that white portion of inside pattern slightly light. 4. Adjust $\triangle -/+$ button to increase the data value of BRTC, and set it just before the difference between the belt of vertical retrace and the border of black portion of inside pattern is visible. After that, return vertical height and contrast.  <p style="text-align: right;">Belt of vertical retrace</p>
HORIZONTAL POSITION ADJUSTMENT (HPOS) VERTICAL POSITION ADJUSTMENT (VPOS)	<ol style="list-style-type: none"> 1. Set the TV in service mode, and get black or white cross-bar signal with VIDEO button on remote hand unit. 2. Select either HPOS (Horizontal picture phase) or VPOS (Vertical picture phase) with CHANNEL \blacktriangle, \blacktriangledown buttons, and adjust horizontal or vertical picture position in the center of screen with VOLUME $\triangle -/+$ buttons. 
VERTICAL AMPLITUDE ADJUSTMENT (HIT)	<ol style="list-style-type: none"> 1. Set the TV in service mode, and get black or white cross-hatch signal with VIDEO button on remote hand unit. 2. Select HIT (Vertical amplitude) with CHANNEL \blacktriangle, \blacktriangledown buttons, and adjust vertical amplitude with VOLUME $\triangle -/+$ buttons so that vertical amplitude lacks a little. 3. Adjust vertical amplitude with VOLUME $\triangle -/+$ buttons so that the first bar on cross-hatch signal touches edge of screen. 

ITEM	ADJUSTMENT PROCEDURE
WHITE BALANCE ADJUSTMENT	<p>1. Set Contrast to 40, and brightness to +20 by picture control.</p> <p>2. Set the TV in service mode, and get the inside W/B adjusting signal with VIDEO button.</p> <p>3. Select RCUT, GCUT and BCUT with CHANNEL ▲, ▼ buttons, to set individual values to Initial reference data, and to set GDRV and BDRV to Initial reference data with VOLUME □ -/+ buttons (See page 18).</p> <p>4. Press [/-] button on the remote control and rotate Screen VR to get one slight horizontal line on screen. Note: Every pressing of [/-] button provides Horizontal line picture and Normal picture alternately.</p> <p>5. Press [/-] button to release horizontal line picture, and select the two other colors which did not light in the above step with CHANNEL ▲, ▼ buttons. Then tap VOLUME □ -/+ buttons so that three colors slightly light in the same level.</p> <p>※ To correct white balance in light area, select GDRV and BDRV with CHANNEL ▲, ▼ buttons to adjust.</p> <p>※ To correct white balance in dark area, perform fine adjustment of RCUT, GCUT and BCUT.</p>
● CUTOFF ADJUSTMENT (RCUT) (GCUT) (BCUT)	
● DRIVE ADJUSTMENT (GDRV) (BDRV)	

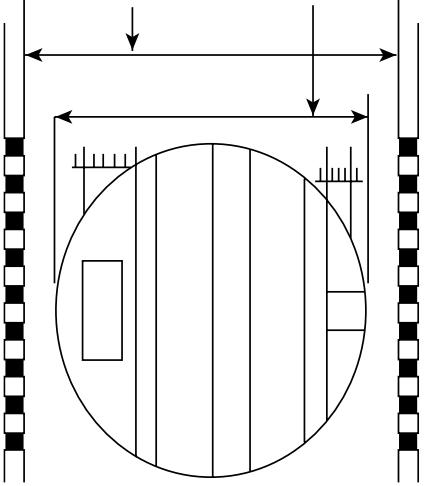
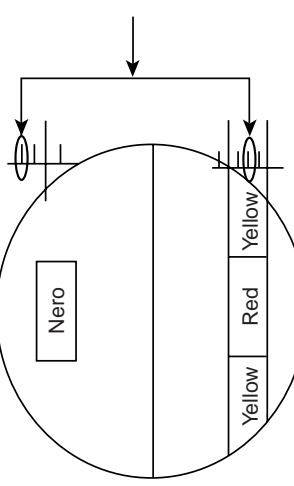
Light area check
(to show white)

Dark area check
(to show black)

(Reference Factory Adjustments)

Items	Names	Settings (User control)	Input signals	Measuring points	Adjusting methods	Adjusting standards
[SCNT]	Sub-contrast	Dynamic MODE Screen size: WIDE Audio system: I	Sub-bright signal (PAL-I Signal)	TP46B	① Adjust the amplitude from the pedestal level to the white peak.	2.5 ± 0.1 Vp-p
[BRTC]	Sub-bright Center	Dynamic MODE Screen size: WIDE	Sub-bright Signal	Screen adjustment	① Adjust the number of collapsed black lines of the sub-bright signal. ② To adjust after W/B, [SCNT] adjustment.	4 ± 1.5 pieces Screen adjustment
[COLP]	Sub-color center PAL	Dynamic MODE Screen size: Dynamic PAL	Sub-bright Signal (PAL)	TP46B	① Adjust the amplitude of B-Y. (Be sure to apply Y mute during adjustment)	1.2 ± 0.1 Vo-p
SCREEN	R Cutoff VR [RCUT] G Cutoff [GCUT] B Cutoff [BCUT] G Drive [GDRV] B Drive [BDRV]	MODE Screen size: WIDE [RCUT]: 40 [GCUT]: 40 [BCUT]: 40 [GDRV]: 40 [BDRV]: 40	Screen adjustment	① Enter Horizontal Straight-line Mode. ② Gradually increase the screen VR until R, G, or B line starts to light up slightly. ③ Determine the screen VR adjustment position here. ④ Gradually increase remaining two screen VRs – except the line that lit up as mentioned in item ② above – until respective line starts to light up slightly. (Adjust until the screen becomes almost white.) ⑤ Exit from Horizontal Straight-line Mode. ⑥ Using CA100, repeat this adjustment until correct value is set to both the dark and bright parts.	① Enter Horizontal Straight-line Mode. ② Gradually increase the screen VR until R, G, or B line starts to light up slightly. ③ Determine the screen VR adjustment position here. ④ Gradually increase remaining two screen VRs – except the line that lit up as mentioned in item ② above – until respective line starts to light up slightly. (Adjust until the screen becomes almost white.) ⑤ Exit from Horizontal Straight-line Mode. ⑥ Using CA100, repeat this adjustment until correct value is set to both the dark and bright parts.	Bright part ($103\text{cd}/\text{m}^2$) $8750\text{K}-0.002\text{uv}$ Dark part ($17\text{cd}/\text{m}^2$) $8750\text{K}-0.002\text{uv}$ Screen judgment (CA100)

Items	Names	Settings (User control)	Input signals	Measuring points	Adjusting methods	Adjusting standards
[SBY]	SECAM B-Y Black level	SECAM Color bar	TP01	① Vary [SBY] so that the level of mono-chrome signal part aligns with that of BLK.	0 ± 10 mV	
[SRY]	SECAM R-Y Black level	SECAM Color bar	TP02	① Vary [SRY] so that the level of mono-chrome signal part aligns with that of BLK.	0 ± 10 mV	
[COLS]	Sub-color Center SECAM	Dynamic MODE Screen size: WIDE	TP46B	① Adjust the amplitude of B-Y. (Be sure to apply Y mute during adjustment)	1.6 ± 0.1 Vo-p (Pedestal to Peak)	

1. Data adjustment		Adjusting items	Adjusting methods
Vertical	<p>WIDE mode Vertical amplitude [HT]</p> <p>Vertical position [VPS1]</p> <p>Super-live mode Vertical amplitude [HT]</p> <p>CINEMA mode Vertical amplitude [HT]</p>	<p>PAL WG Phillips Pattern, User adjustment standard Adjust the vertical amplitude by [HT] so that both upper and lower flags will disappear from the screen.</p> <p>PAL Phillips Pattern, User adjustment standard Adjust the vertical position [VPS1] with Phillips Pattern so that the vertical screen position will come to the center (see the right sketch).</p> <p>PAL Phillips Pattern, User adjustment standard Adjust the vertical amplitude by [HT] so that the top and bottom of the circle will touch the CPT mask with Phillips Pattern (see the right sketch).</p> <p>Phillips Pattern, User adjustment standard Adjust the vertical amplitude by [HT] so that the points shown in the right bottom sketch will touch the CRT mask (see the right sketch).</p>	 

2. Circuit adjustment (Volume/data adjustment)

No.	Target model names	Adjusting items	Adjusting methods
1	All models	Focus adjustment (1) HOR.FOCUS	Conditions: PAL Retoma signal WIDE mode, User adjustment standard Adjustment: Set it at the position, where the screen center becomes optimum focus and most counterclockwise, using the focus volume (F-1) of the fly-back transformer (T461).
		Focus adjustment (2) VERT.FOCUS	Conditions: PAL Retoma signal WIDE mode, User adjustment standard Adjustment: Set it at the position, where the screen center becomes optimum focus and most counterclockwise, using the focus volume (F-2) of the fly-back transformer (T461).
2	All models	Vertical position adjustment	Conditions: PAL WG Phillips Pattern WIDE mode, User adjustment standard Adjustment: Use [VPS1] and make adjustments so that the upper and lower positions will touch the mask. (Adjust and orient CPT either toward the south or north. If this is impossible, offset the difference.)

3. Data Adjustment		Adjustment items	Adjustment methods
Horizontal	WIDE mode (During 4:3)	<p>Horizontal phase: [HPOS] Horizontal amplitude: [WIDE] Side DPC: [PARA]</p> <p>Trapezoidal distortion: [TRAP] Corner distortion: [CNR] Center warp: [CPAR] Parallelogram distortion: [CSAW]</p>	<p>Use PAL WG Phillips Pattern and adjust the horizontal amplitude to fit the mask to the frames of left and right flags in WIDE mode.</p> <p>Use PAL WG Phillips Pattern and adjust so that the side-pin and trapezoidal distortions become optimum in WIDE mode. Use the horizontal phase [HPOS] for the horizontal screen position, and make adjustments so that the position will become a center.</p> <p>Check and confirm the side-pin at the mode of 4:3. (If necessary, examine the grade of side panel at the mode of 4:3 and reconfirm)</p> <p>Note: In case distortion adjustment is insufficient by the [PARA]/[TRAP] adjustments, make adjustments by using the data of [CNR], [CPAR], (a) and (b).</p> <ul style="list-style-type: none"> ① Decrease [CPAR] in case of the distortion shown in Fig. (a). On the contrary, increase [CPAR] in case of the distortion shown in Fig. (b). ② Decrease [CSAW] in case of the distortion shown in Fig. (c). On the contrary, increase [CSAW] in case of the distortion shown in Fig. (d).
	Super-live mode	<p>Horizontal amplitude: [WIDE] Side DPC: [PARA]</p> <p>Trapezoidal distortion: [TRAP] Horizontal phase [HPOS] Corner distortion: [CNR]</p> <p>CINEMA mode</p>	<p>Use PAL Phillips Pattern and fit the frames of the left and right flags to the mask in Super-live and WIDE modes.</p> <p>Make adjustments to achieve optimum side-pin distortion and trapezoidal distortion.</p> <p>If any further adjustment is required, use the horizontal phase [HPOS] and corner distortion [CNR] for adjustment.</p> <p>Use PAL Phillips Pattern and adjust the horizontal amplitude to fit the mask to the frames of left and right flags in CINEMA mode.</p> <p>Make adjustments to achieve optimum side-pin distortion and trapezoidal distortion.</p> <p>If any further adjustment is required, use the horizontal phase [HPOS] and corner distortion [CNR] for adjustment.</p>

CIRCUIT CHECK

HIGH VOLTAGE CHECK

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

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

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

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

CHAPTER 2 SPECIFIC INFORMATIONS

SETTING & ADJUSTING DATA

【SAFETY INSTRUCTIONS】

		32"
HIGH VOLTAGE AT ZERO BEAM:	(A)	33.2 kV
MAX HIGH VOLTAGE:	(B)	34.0 kV
AV VOLTAGE	(C)	220~240 V

Table-1

【SERVICE MODE】

ADJUSTING ITEMS AND DATAS IN THE SERVICE MODE:

Item	Adjustment	Reference data	Item	Adjustment	Reference data
RCUT	R CUTOFF (B/W)	40H	SRY	SECAM R-Y	08H
GCUT	G CUTOFF (B/W)	40H	SBY	SECAM B-Y	08H
BCUT	B CUTOFF (B/W)	40H	HPOS	50Hz H-POSITION	67H
GDRV	R DRIVE	35H	VPOS	V-POSITION	00H
BDRV	B DRIVE	35H	HIT	HEIGHT	38H
CNTX	SUB CONTRAST MAX	7FH	VLIN	V-LINEARITY	12H
BRTC	SUB BRIGHT CEN	80H	VSC	V-S CORRECTION	23H
COLC	SUB COLOR CEN NTSC	00H	VPS2	V-SHIFT	40H
TNTC	SUB TINT CEN	20H	WID	PICTURE WIDTH	2CH
COLP	SUB COLOR CEN PAL	3DH	PARA	E-W PARABOLA	1CH
COLS	SUB COLOR CEN SECAM	3DH	CNR	E-W CORNER	10H
COLD	SUB COLOR CEN DTV	3DH	TRAP	TRAPEZIUM	4BH
SCNT	SUB CONTRAST	08H	VFC	V-F CORRECTION	0FH

Table-2

【DESIGN MODE】

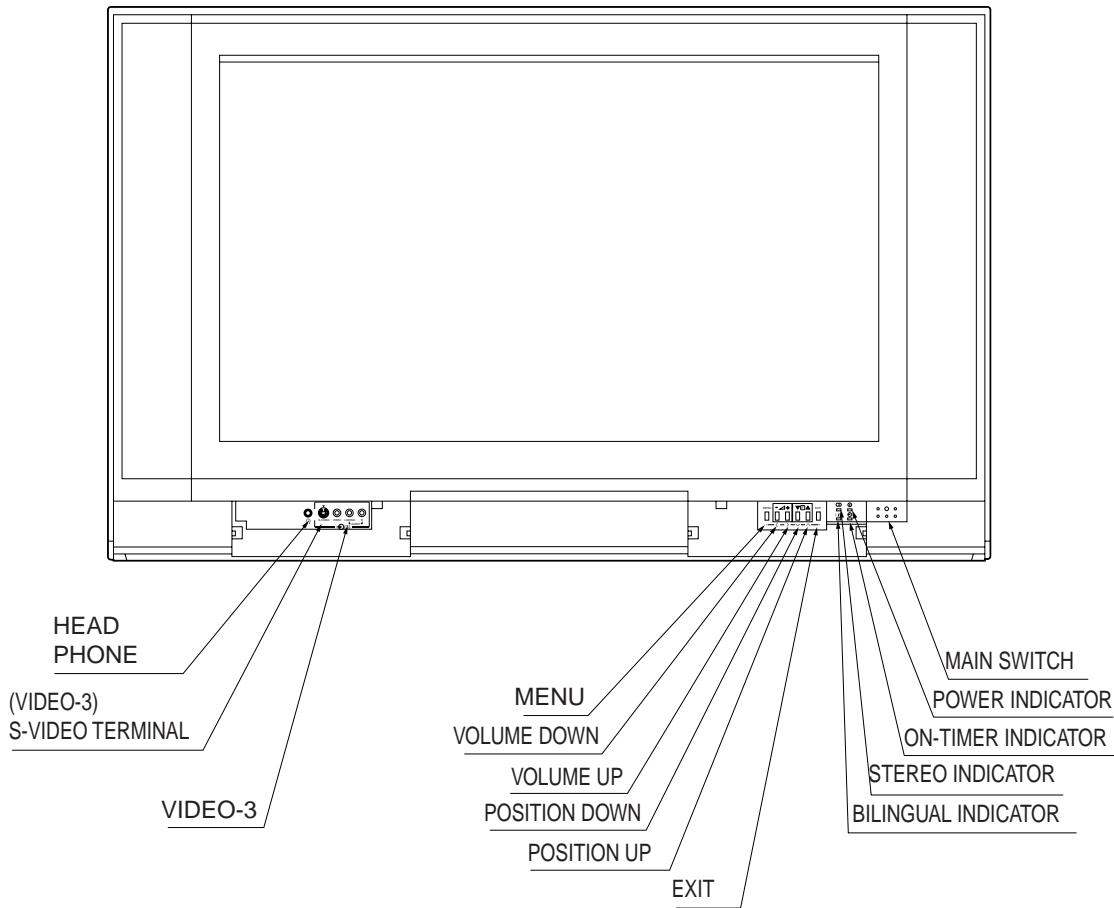
ADJUSTING ITEMS AND DATAS IN THE DESIGN MODE:

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

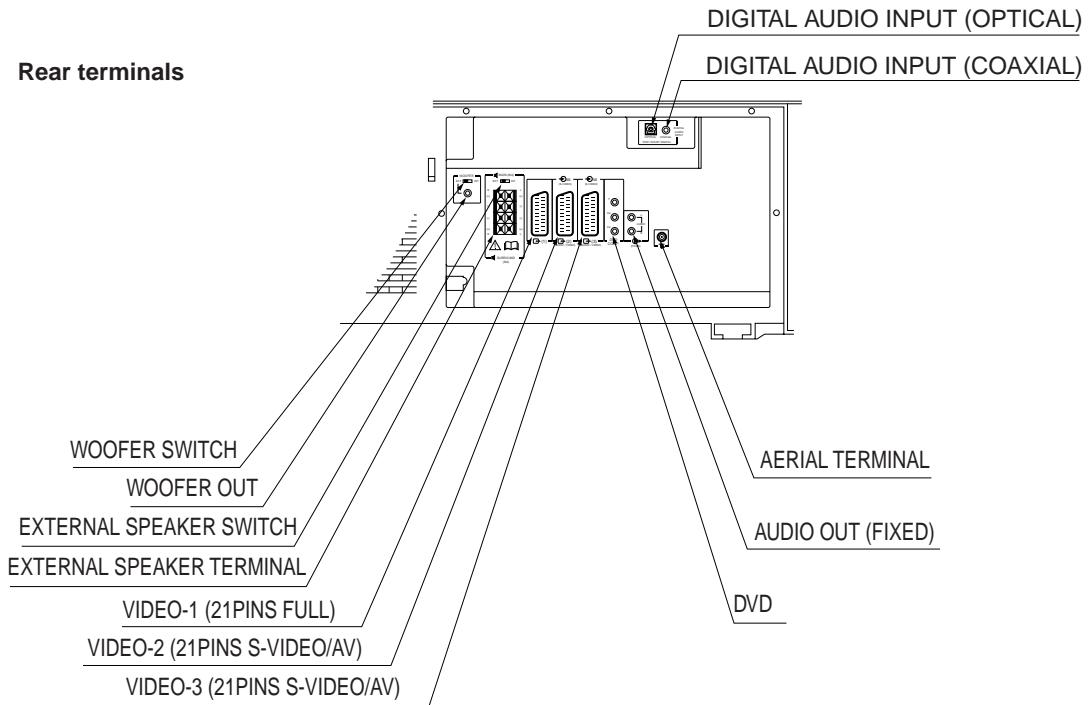
Table-3

LOCATION OF CONTROLS

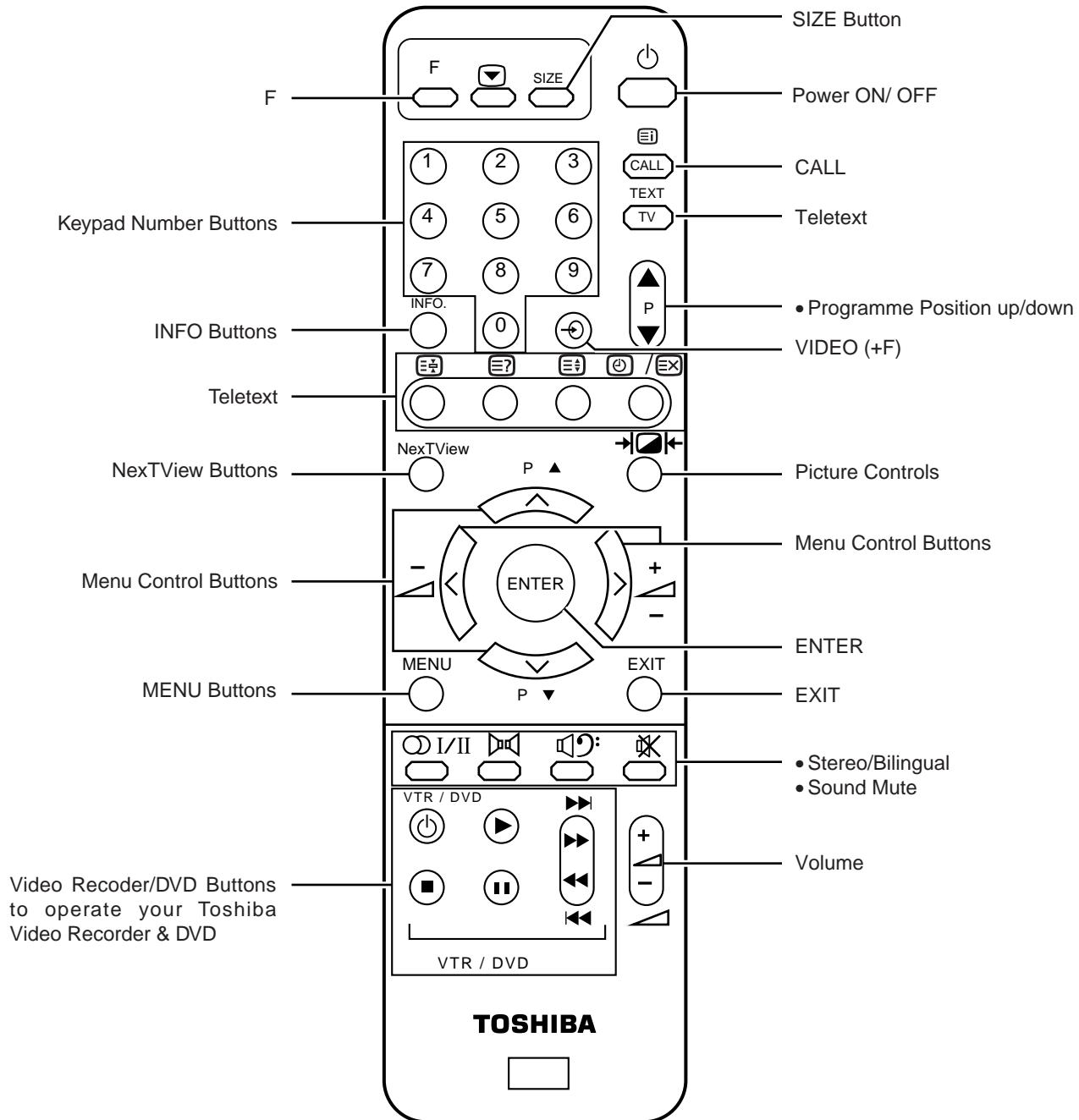
Front



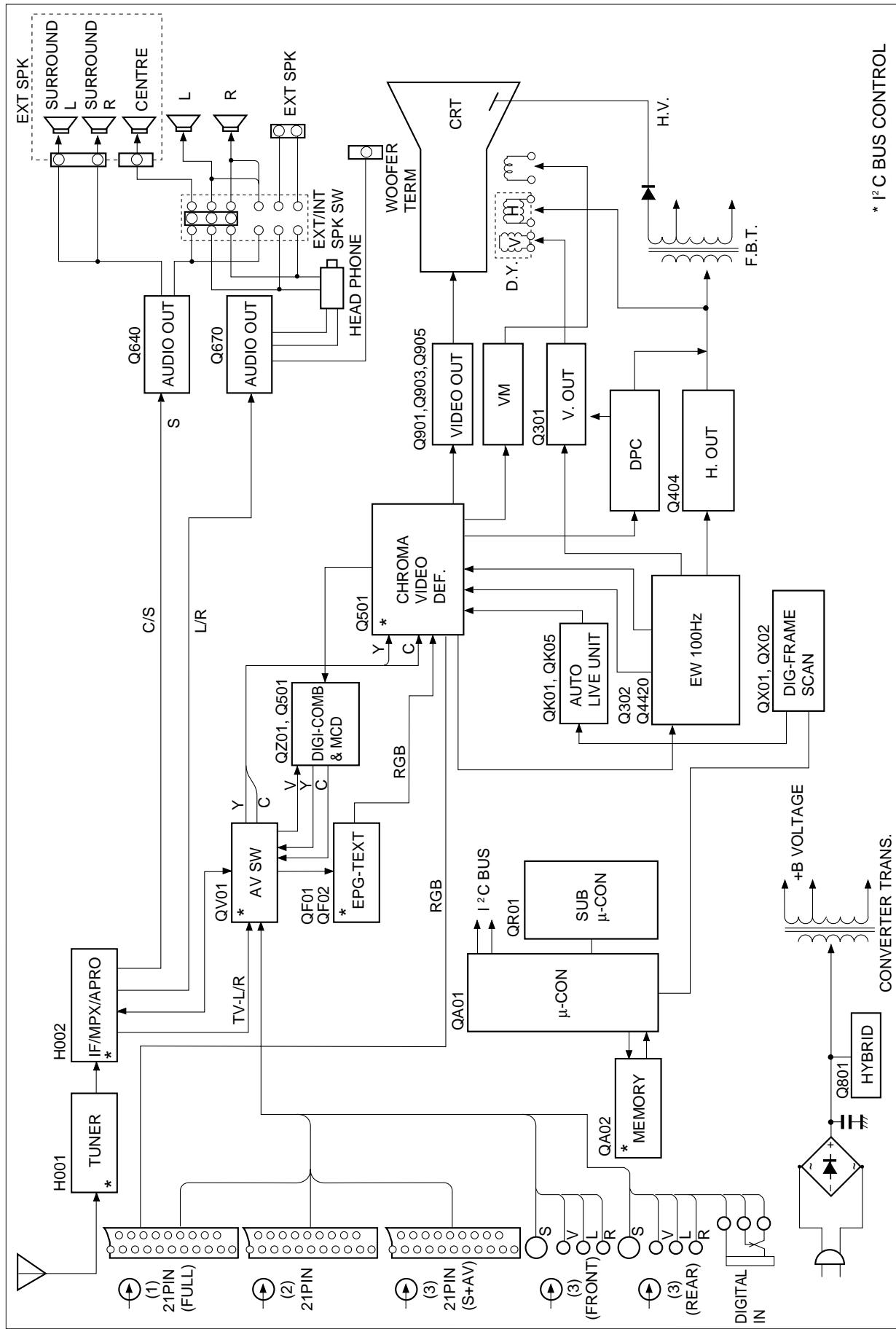
Rear terminals



Remote Controller



CIRCUIT BLOCK DIAGRAM



CHASSIS AND CABINET REPLACEMENT PARTS LIST

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

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

NOTICE:

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

Models : 32ZD08G, 32ZD08B

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

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

Location No.	Part No.	Description
CAPACITORS		
C102	24763221	EL, 220μF, ±20%, 16V
C105	24212102	CD, 1000pF, ±10%
C106	24797100	EL, 10μF, ±20%, 50V
C108	24794221	EL, 220μF, ±20%, 16V
C109	24232103	CD, 0.01μF, +80%, -20%
C110	24797479	EL, 4.7μF, ±20%, 50V (32ZD08G)
C110	24797229	EL, 2.2μF, ±20%, 50V (32ZD08B)
C111	24797220	EL, 22μF, ±20%, 50V (32ZD08G)
C111	24797229	EL, 2.2μF, ±20%, 50V (32ZD08B)
C115	24232103	CD, 0.01μF, +80%, -20%
C201	24567104	PF, 0.1μF
C202	24232103	CD, 0.01μF, +80%, -20%
C203	24567104	PF, 0.1μF
C204	24797010	EL, 1μF, ±20%, 50V
C205	24797229	EL, 2.2μF, ±20%, 50V
C206	24797220	EL, 22μF, ±20%, 50V
C214	24567334	PF, 0.33μF
C215	24436101	CD, 100pF
C219	24436100	CD, 10pF
C220	24436100	CD, 10pF
C221	24436100	CD, 10pF
C229	24092398	CD, 0.1μF, +80%, -20%, 25V
C230	24232103	CD, 0.01μF, +80%, -20%
C232	24092398	CD, 0.1μF, +80%, -20%, 25V
C261	24794101	EL, 100μF, ±20%, 16V
C262	24232103	CD, 0.01μF, +80%, -20%
C263	24794470	EL, 47μF, ±20%, 16V
C264	24794100	EL, 10μF, ±20%, 16V
C302	24214471	CD, 470pF, ±10%, 500V
C303	24214471	CD, 470pF, ±10%, 500V
C305	24795222	EL, 2200μF, ±20%, 25V
C308	24797221	EL, 220μF, ±20%, 50V
C310	24795222	EL, 2200μF, ±20%, 25V
C313	24082057	PF, 0.22μF, 100V
C314	24793101	EL, 100μF, ±20%, 10V
C315	24212222	CD, 2200pF, ±10%

Location No.	Part No.	Description
C315	24797478	EL, 0.47μF, ±20%, 50V
C316	24795221	EL, 220μF, ±20%, 25V
C318	24794471	EL, 470μF, ±20%, 16V
C320	24795221	EL, 220μF, ±20%, 25V
C321	24567224	PF, 0.22μF
C322	24617915	EL, 1μF, ±10%, 50V
C323	24567474	PF, 0.47μF
C325	24590223	PF, 0.022μF
C326	24797010	EL, 1μF, ±20%, 50V
C327	24794471	EL, 470μF, ±20%, 16V
C329	24567224	PF, 0.22μF
C332	24212102	CD, 1000pF, ±10%
C341	24567474	PF, 0.47μF
C366	24082049	PF, 0.047μF, 100V
C370	24794100	EL, 10μF, ±20%, 16V
C371	24797100	EL, 10μF, ±20%, 50V
C372	24797470	EL, 47μF, ±20%, 50V
C373	24797470	EL, 47μF, ±20%, 50V
C390	24567474	PF, 0.47μF
C391	24567474	PF, 0.47μF
C392	24567474	PF, 0.47μF
C393	24567474	PF, 0.47μF
C401	24232103	CD, 0.01μF, +80%, -20%
C403	24590223	PF, 0.022μF
C404	24797229	EL, 2.2μF, ±20%, 50V
C410	24092341	CD, 470pF, ±10%, 2kV
C413	24214332	CD, 3300pF, ±10%, 500V
C416	24668101	EL, 100μF, ±20%, 35V
C417	24214391	CD, 390pF, ±10%, 500V
C419	24212102	CD, 1000pF, ±10%
C420	24794101	EL, 100μF, ±20%, 16V
C421	24567104	PF, 0.1μF
C423	24829623	PF, 0.063μF, 400V
C424	24794101	EL, 100μF, ±20%, 16V
C425	24794101	EL, 100μF, ±20%, 16V
C430	24232103	CD, 0.01μF, +80%, -20%
C430	24820392	PF, 0.0036μF, 630V
C431	24232103	CD, 0.01μF, +80%, -20%
C431	24794101	EL, 100μF, ±20%, 16V
C440	24082941	PF, 3000pF, ±3%, 1500V
C442	24082639	PF, 0.12μF, 400V

Location No.	Part No.	Description	Location No.	Part No.	Description
C443	24082638	PF, 0.11 μ F, 400V	C613	24794471	EL, 470 μ F, ±20%, 16V
C444	24082830	PF, 3000pF, ±3%, 1800V	C615	24085960	EL, 4.7 μ F, ±20%, 50V, Non-Polar
C445	24828473	PF, 0.047 μ F, 200V	C616	24590183	PF, 0.018 μ F
C446	24679330	EL, 33 μ F, ±20%, 250V	C617	24590102	PF, 1000pF
C447	24829183	PF, 0.018 μ F, 400V	C618	24590823	PF, 0.082 μ F
C448	24640908	EL, 33 μ F, ±20%, 160V	C619	24794221	EL, 220 μ F, ±20%, 16V
C461	24082834	PF, 4300pF, ±3%, 1800V	C620	24794101	EL, 100 μ F, ±20%, 16V
C462	24794222	EL, 2200 μ F, ±20%, 16V	C631	24567474	PF, 0.47 μ F
C463	24212392	CD, 3900pF, ±10%	C631	24797010	EL, 1 μ F, ±20%, 50V
C464	24640872	EL, 10 μ F, ±20%, 100V	C632	24797100	EL, 10 μ F, ±20%, 50V
C470	24794470	EL, 47 μ F, ±20%, 16V	C632	24797479	EL, 4.7 μ F, ±20%, 50V
C471	24590473	PF, 0.047 μ F	C633	24591124	PF, 0.12 μ F
C472	24567474	PF, 0.47 μ F	C633	24781102	Chip, 1000pF, SL
C473	24669010	EL, 1 μ F, ±20%, 50V	C634	24206100	EL, 10 μ F, ±20%, 50V
C475	24095887	PF, 0.01 μ F, ±3%, 630V	C634	24668471	EL, 470 μ F, ±20%, 35V
C476	24794220	EL, 22 μ F, ±20%, 16V	C635	24814103	Chip, 0.01 μ F, +80%, -20%
C477	24590102	PF, 1000pF	C636	24206100	EL, 10 μ F, ±20%, 50V
C479	24214471	CD, 470pF, ±10%, 500V	C637	24765221	EL, 220 μ F, ±20%, 35V
C481	24085988	EL, 1.0 μ F, ±20%, 50V, Non-Polar	C638	24814103	Chip, 0.01 μ F, +80%, -20%
C482	24212152	CD, 1500pF, ±10%	C639	24590103	PF, 0.01 μ F
C490	24082983	PF, 1.5 μ F, 250V	C640	24797220	EL, 22 μ F, ±20%, 50V
C492	24829473	PF, 0.047 μ F, 400V	C641	24206100	EL, 10 μ F, ±20%, 50V
C494	24082637	PF, 0.1 μ F, 400V	C641	24669010	EL, 1 μ F, ±20%, 50V
C495	24092343	CD, 680pF, ±10%, 2kV	C642	24206478	EL, 0.47 μ F, ±20%, 50V
C496	24092343	CD, 680pF, ±10%, 2kV	C643	24781102	Chip, 1000pF, SL
C501	24092293	Chip, 0.1 μ F, +80%, -20%, 25V	C644	24797010	EL, 1 μ F, ±20%, 50V
C502	24092293	Chip, 0.1 μ F, +80%, -20%, 25V	C645	24795470	EL, 47 μ F, ±20%, 25V
C502	24232103	CD, 0.01 μ F, +80%, -20%	C647	24591102	PF, 1000pF
C503	24794221	EL, 220 μ F, ±20%, 16V	C648	24591102	PF, 1000pF
C503	24794470	EL, 47 μ F, ±20%, 16V	C649	24797229	EL, 2.2 μ F, ±20%, 50V
C504	24814103	Chip, 0.01 μ F, +80%, -20%	C650	24668102	EL, 1000 μ F, ±20%, 35V
C505	24794470	EL, 47 μ F, ±20%, 16V	C651	24668471	EL, 470 μ F, ±20%, 35V
C506	24814103	Chip, 0.01 μ F, +80%, -20%	C652	24668471	EL, 470 μ F, ±20%, 35V
C507	24092293	Chip, 0.1 μ F, +80%, -20%, 25V	C654	24591124	PF, 0.12 μ F
C508	24092293	Chip, 0.1 μ F, +80%, -20%, 25V	C655	24591124	PF, 0.12 μ F
C508	24797010	EL, 1 μ F, ±20%, 50V	C656	24232103	CD, 0.01 μ F, +80%, -20%
C509	24092293	Chip, 0.1 μ F, +80%, -20%, 25V	C657	24797229	EL, 2.2 μ F, ±20%, 50V
C509	24794101	EL, 100 μ F, ±20%, 16V	C661	24797478	EL, 0.47 μ F, ±20%, 50V
C510	24794101	EL, 100 μ F, ±20%, 16V	C662	24797229	EL, 2.2 μ F, ±20%, 50V
C510	24797479	EL, 4.7 μ F, ±20%, 50V	C663	24797229	EL, 2.2 μ F, ±20%, 50V
C511	24092293	Chip, 0.1 μ F, +80%, -20%, 25V	C665	24797010	EL, 1 μ F, ±20%, 50V
C511	24232103	CD, 0.01 μ F, +80%, -20%	C666	24797010	EL, 1 μ F, ±20%, 50V
C512	24092293	Chip, 0.1 μ F, +80%, -20%, 25V	C667	24212102	CD, 1000pF, ±10%
C513	24092293	Chip, 0.1 μ F, +80%, -20%, 25V	C667	24797229	EL, 2.2 μ F, ±20%, 50V
C513	24232103	CD, 0.01 μ F, +80%, -20%	C668	24212102	CD, 1000pF, ±10%
C514	24567104	PF, 0.1 μ F	C668	24590102	PF, 1000pF
C514	24794470	EL, 47 μ F, ±20%, 16V	C669	24797330	EL, 33 μ F, ±20%, 50V
C515	24567104	PF, 0.1 μ F	C670	24797330	EL, 33 μ F, ±20%, 50V
C515	24814103	Chip, 0.01 μ F, +80%, -20%	C670	24814103	Chip, 0.01 μ F, +80%, -20%
C516	24774100	Chip, 10pF, ±0.5pF, CH	C671	24797100	EL, 10 μ F, ±20%, 50V
C517	24797478	EL, 0.47 μ F, ±20%, 50V	C671	24814103	Chip, 0.01 μ F, +80%, -20%
C518	24436101	CD, 100pF	C672	24795470	EL, 47 μ F, ±20%, 25V
C518	24814103	Chip, 0.01 μ F, +80%, -20%	C672	24814103	Chip, 0.01 μ F, +80%, -20%
C519	24092293	Chip, 0.1 μ F, +80%, -20%, 25V	C673	24781102	Chip, 1000pF, SL
C520	24212102	CD, 1000pF, ±10%	C673	24795470	EL, 47 μ F, ±20%, 25V
C520	24797229	EL, 2.2 μ F, ±20%, 50V	C674	24781102	Chip, 1000pF, SL
C521	24212102	CD, 1000pF, ±10%	C674	24797100	EL, 10 μ F, ±20%, 50V
C521	24567223	PF, 0.022 μ F	C675	24795470	EL, 47 μ F, ±20%, 25V
C522	24814103	Chip, 0.01 μ F, +80%, -20%	C677	24590102	PF, 1000pF
C525	24567104	PF, 0.1 μ F	C677	24814103	Chip, 0.01 μ F, +80%, -20%
C555	24092398	CD, 0.1 μ F, +80%, -20%, 25V	C678	24590102	PF, 1000pF
C556	24797010	EL, 1 μ F, ±20%, 50V	C678	24781102	Chip, 1000pF, SL
C608	24762222	EL, 2200 μ F, ±20%, 10V	C679	24781102	Chip, 1000pF, SL

Location No.	Part No.	Description	Location No.	Part No.	Description
C680	24668102	EL, 1000 μ F, ±20%, 35V	C907	24436471	CD, 470pF
C681	24668102	EL, 1000 μ F, ±20%, 35V	C909	24679220	EL, 22 μ F, ±20%, 250V
C681	24781102	Chip, 1000pF, SL	C910	24797478	EL, 0.47 μ F, ±20%, 50V
C682	24668102	EL, 1000 μ F, ±20%, 35V	C911	24203100	EL, 10 μ F, ±20%, 16V
C682	24781102	Chip, 1000pF, SL	C912	24794102	EL, 1000 μ F, ±20%, 16V
C685	24591124	PF, 0.12 μ F	C913	24794101	EL, 100 μ F, ±20%, 16V
C687	24232103	CD, 0.01 μ F, +80%, -20%	C914	24212103	CD, 0.01 μ F, ±10%
C688	24794220	EL, 22 μ F, ±20%, 16V	C915	24092398	CD, 0.1 μ F, +80%, -20%, 25V
C689	24591124	PF, 0.12 μ F	C920	24591104	PF, 0.1 μ F
C704	24591822	PF, 8200pF	C921	24591104	PF, 0.1 μ F
C705	24797229	EL, 2.2 μ F, ±20%, 50V	C930	24214101	CD, 100pF, ±10%, 500V
C707	24794470	EL, 47 μ F, ±20%, 16V	C931	24214101	CD, 100pF, ±10%, 500V
C712	24794470	EL, 47 μ F, ±20%, 16V	C940	24436390	CD, 39pF
C713	24790100	EL, 10 μ F, ±20%, 160V	C4376	24590103	PF, 0.01 μ F
C714	24436101	CD, 100pF	C4405	24590103	PF, 0.01 μ F
C715	24214472	CD, 4700pF, ±10%, 500V	C4408	24590103	PF, 0.01 μ F
C716	24436101	CD, 100pF	C4418	24590103	PF, 0.01 μ F
C717	24214472	CD, 4700pF, ±10%, 500V	C4425	24797010	EL, 1 μ F, ±20%, 50V
C718	24794470	EL, 47 μ F, ±20%, 16V	C4426	24794101	EL, 100 μ F, ±20%, 16V
C719	24435151	CD, 150pF, 500V, SL	C4447	24590103	PF, 0.01 μ F
C720	24790100	EL, 10 μ F, ±20%, 160V	C4490	24082637	PF, 0.1 μ F, 400V
C721	24794470	EL, 47 μ F, ±20%, 16V	C4491	24082637	PF, 0.1 μ F, 400V
C805	24092281	CD, 4700pF, ±20%, AC250V	CA03	24436180	CD, 18pF(32ZD08G)
C806	24092281	CD, 4700pF, ±20%, AC250V	CA04	24436180	CD, 18pF(32ZD08G)
C808	24667331	EL, 330 μ F, ±20%, 25V	CA09	24474101	CD, 100pF, ±10%
C810	24086063	EL, 330 μ F, ±20%, 400V	CA10	24474101	CD, 100pF, ±10%
C810	24763102	EL, 1000 μ F, ±20%, 16V	CA12	24212101	CD, 100pF, ±10%
△C813	24092555	CD, 1000pF, ±20%, AC250V	CA13	24436101	CD, 100pF
△C814	24092555	CD, 1000pF, ±20%, AC250V	CA15	24474101	CD, 100pF, ±10%
C817	24092339	CD, 330pF, ±10%, 2kV	CA16	24474101	CD, 100pF, ±10%
C818	24095931	PF, 2200pF, 1250V	CA17	24474101	CD, 100pF, ±10%
C819	24676220	EL, 22 μ F, ±20%, 100V	CA33	24232103	CD, 0.01 μ F, +80%, -20%
C821	24214471	CD, 470pF, ±10%, 500V	CA42	24794100	EL, 10 μ F, ±20%, 16V
C822	24567474	PF, 0.47 μ F	CA43	24232103	CD, 0.01 μ F, +80%, -20%
C823	24214471	CD, 470pF, ±10%, 500V	CA44	24232103	CD, 0.01 μ F, +80%, -20%
C829	24590332	PF, 3300pF	CA68	24794100	EL, 10 μ F, ±20%, 16V
C831	24794470	EL, 47 μ F, ±20%, 16V	CA69	24232103	CD, 0.01 μ F, +80%, -20%
C832	24794470	EL, 47 μ F, ±20%, 16V	CA80	24794470	EL, 47 μ F, ±20%, 16V (32ZD08G)
C833	24669100	EL, 10 μ F, ±20%, 50V	CA81	24232103	CD, 0.01 μ F, +80%, -20% (32ZD08G)
C834	24795100	EL, 10 μ F, ±20%, 25V	CA83	24085981	EL, 10 μ F, ±20%, 16V, Non-Polar(32ZD08G)
C835	24794470	EL, 47 μ F, ±20%, 16V	CB01	24794470	EL, 47 μ F, ±20%, 16V
C836	24794470	EL, 47 μ F, ±20%, 16V	CB02	24567104	PF, 0.1 μ F
C841	24669100	EL, 10 μ F, ±20%, 50V	CB90	24232103	CD, 0.01 μ F, +80%, -20%
C842	24669100	EL, 10 μ F, ±20%, 50V	CC09	24814103	Chip, 0.01 μ F, +80%, -20%
C843	24567104	PF, 0.1 μ F	CC10	24814103	Chip, 0.01 μ F, +80%, -20%
C846	24567224	PF, 0.22 μ F	CC15	24232103	CD, 0.01 μ F, +80%, -20%
C872	24669221	EL, 220 μ F, ±20%, 50V	CC16	24474102	CD, 1000pF, ±10%
C884	24086916	EL, 330 μ F, ±20%, 160V	CC20	24781220	Chip, 22pF, SL
C885	24214471	CD, 470pF, ±10%, 500V	CC26	24232103	CD, 0.01 μ F, +80%, -20%
C887	24214471	CD, 470pF, ±10%, 500V	CC27	24232103	CD, 0.01 μ F, +80%, -20%
C889	24669102	EL, 1000 μ F, ±20%, 50V	CC45	24814103	Chip, 0.01 μ F, +80%, -20%
C890	24667222	EL, 2200 μ F, ±20%, 25V	CC46	24814103	Chip, 0.01 μ F, +80%, -20%
C891	24667332	EL, 3300 μ F, ±20%, 25V	CC89	24781151	Chip, 150pF, SL
C892	24667222	EL, 2200 μ F, ±20%, 25V	CD85	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
C893	24092337	CD, 220pF, ±10%, 2kV	CD86	24793221	EL, 220 μ F, ±20%, 10V
C894	24669102	EL, 1000 μ F, ±20%, 50V	CD87	24815222	Chip, 0.0022 μ F, ±10%
C895	24669470	EL, 47 μ F, ±20%, 50V	CD88	24794100	EL, 10 μ F, ±20%, 16V
C896	24214471	CD, 470pF, ±10%, 500V	CD89	24092293	Chip, 0.1 μ F, +80%, -20%, 25V
C897	24667332	EL, 3300 μ F, ±20%, 25V	CF02	24774220	Chip, 22pF, CH(32ZD08G)
C898	24567224	PF, 0.22 μ F	CF03	24774220	Chip, 22pF, CH (32ZD08G)
C899	24214471	CD, 470pF, ±10%, 500V	CF03	24567104	PF, 0.1 μ F(32ZD08B)
C902	24092345	CD, 1000pF, ±10%, 2kV			
C904	24436471	CD, 470pF			
C905	24436471	CD, 470pF			

Location No.	Part No.	Description	Location No.	Part No.	Description
CF04	24766101	EL, 100 μ F, ±20%, 50V (32ZD08B)	CF42	24774060	(32ZD08G) CD, 6pF, ±0.5pF, CH
CF05	24092293	Chip, 0.1 μ F, +80%, -20%, 25V (32ZD08G)	CF43	24092293	(32ZD08G) Chip, 0.1 μ F, +80%, -20%, 25V
CF05	24766101	EL, 100 μ F, ±20%, 50V (32ZD08B)	CF60	24092293	(32ZD08G) Chip, 0.1 μ F, +80%, -20%, 25V
CF06	24092293	Chip, 0.1 μ F, +80%, -20%, 25V (32ZD08G)	CF61	24092293	(32ZD08G) Chip, 0.1 μ F, +80%, -20%, 25V
CF06	24774220	Chip, 22pF, CH(32ZD08B)	CG01	24082926	(32ZD08G) PF, 0.1 μ F, ±20%, AC275V
CF07	24092293	Chip, 0.1 μ F, +80%, -20%, 25V (32ZD08G)	CG06	24073101	(32ZD08G) EL, 47 μ F, ±20% (32ZD08G)
CF07	24774220	Chip, 22pF, CH(32ZD08B)	CG07	24567474	(32ZD08G) PF, 0.47 μ F (32ZD08G)
CF08	24092293	Chip, 0.1 μ F, +80%, -20%, 25V (32ZD08G)	CG08	24214471	(32ZD08G) CD, 470pF, ±10%, 500V
CF08	24567104	PF, 0.1 μ F (32ZD08B)	CG10	24667331	(32ZD08G) EL, 330 μ F, ±20%, 25V
CF09	24567224	PF, 0.22 μ F (32ZD08G)	CG11	24667470	(32ZD08G) EL, 47 μ F, ±20%, 25V
CF10	24092293	Chip, 0.1 μ F, +80%, -20%, 25V (32ZD08G)	CG12	24212681	(32ZD08G) CD, 680pF, ±10% (32ZD08G)
CF10	24206100	EL, 10 μ F, ±20%, 50V (32ZD08B)	CG13	24092333	(32ZD08G) CD, 100pF, ±10%, 2kV
CF11	24202101	EL, 100 μ F, ±20%, 10V (32ZD08G)	CG20	24676470	(32ZD08G) EL, 47 μ F, ±20%, 100V
CF11	24567104	PF, 0.1 μ F (32ZD08B)	CG27	24666222	(32ZD08G) EL, 2200 μ F, ±20%, 16V
CF12	24202101	EL, 100 μ F, ±20%, 10V (32ZD08G)	CG34	24794101	(32ZD08G) EL, 100 μ F, ±20%, 16V
CF12	24814103	Chip, 0.01 μ F, +80%, -20% (32ZD08B)	CG35	24665470	(32ZD08G) EL, 47 μ F, ±20%, 10V
CF13	24202101	EL, 100 μ F, ±20%, 10V (32ZD08G)	CG62	24214471	(32ZD08G) CD, 470pF, ±10%, 500V
CF14	24202101	EL, 100 μ F, ±20%, 10V (32ZD08G)	CG65	24214471	(32ZD08G) CD, 470pF, ±10%, 500V
CF14	24814103	Chip, 0.01 μ F, +80%, -20% (32ZD08B)	CR01	24797010	(32ZD08G) EL, 1 μ F, ±20%, 50V
CF15	24092293	Chip, 0.1 μ F, +80%, -20%, 25V (32ZD08G)	CR02	24232103	(32ZD08G) CD, 0.01 μ F, +80%, -20%
CF16	24567224	PF, 0.22 μ F (32ZD08B)	CR09	24567104	(32ZD08G) PF, 0.1 μ F
CF17	24781101	Chip, 100pF, SL(32ZD08G)	CR10	24794470	(32ZD08G) EL, 47 μ F, ±20%, 16V
CF18	24092293	Chip, 0.1 μ F, +80%, -20%, 25V (32ZD08G)	CR11	24567104	(32ZD08G) PF, 0.1 μ F
CF18	24794101	EL, 100 μ F, ±20%, 16V (32ZD08B)	CR12	24567104	(32ZD08G) PF, 0.1 μ F
CF19	24092293	Chip, 0.1 μ F, +80%, -20%, 25V (32ZD08G)	CR13	24567104	(32ZD08G) PF, 0.1 μ F
CF19	24814103	Chip, 0.01 μ F, +80%, -20% (32ZD08B)	CR14	24567104	(32ZD08G) PF, 0.1 μ F
CF20	24092293	Chip, 0.1 μ F, +80%, -20%, 25V (32ZD08G)	CR18	24567104	(32ZD08G) PF, 0.1 μ F
CF20	24766010	EL, 1 μ F, ±20%, 50V (32ZD08B)	CR19	24567104	(32ZD08G) PF, 0.1 μ F
CF21	24092293	Chip, 0.1 μ F, +80%, -20%, 25V (32ZD08G)	CR20	24567104	(32ZD08G) PF, 0.1 μ F
CF22	24092293	Chip, 0.1 μ F, +80%, -20%, 25V (32ZD08G)	CS01	24797229	(32ZD08G) EL, 2.2 μ F, ±20%, 50V
CF24	24092293	Chip, 0.1 μ F, +80%, -20%, 25V (32ZD08G)	CS02	24797229	(32ZD08G) EL, 2.2 μ F, ±20%, 50V
CF25	24092293	Chip, 0.1 μ F, +80%, -20%, 25V (32ZD08G)	CS03	24797229	(32ZD08G) EL, 2.2 μ F, ±20%, 50V
CF26	24774330	Chip, 33pF, CH(32ZD08G)	CS04	24797229	(32ZD08G) EL, 2.2 μ F, ±20%, 50V
CF31	24203100	EL, 10 μ F, ±20%, 16V (32ZD08G)	CS05	24206229	(32ZD08G) EL, 2.2 μ F, ±20%, 50V
CF32	24092293	Chip, 0.1 μ F, +80%, -20%, 25V (32ZD08G)	CS06	24206229	(32ZD08G) EL, 2.2 μ F, ±20%, 50V
CF33	24202101	EL, 100 μ F, ±20%, 10V (32ZD08G)	CS07	24797229	(32ZD08G) EL, 2.2 μ F, ±20%, 50V
CF41	24774060	CD, 6pF, ±0.5pF, CH	CS08	24797229	(32ZD08G) EL, 2.2 μ F, ±20%, 50V
			CS09	24797229	(32ZD08G) EL, 2.2 μ F, ±20%, 50V
			CS10	24797229	(32ZD08G) EL, 2.2 μ F, ±20%, 50V
			CS12	24781102	(32ZD08G) Chip, 1000pF, SL
			CS13	24781102	(32ZD08G) Chip, 1000pF, SL
			CS14	24797100	(32ZD08G) EL, 10 μ F, ±20%, 50V
			CS15	24797100	(32ZD08G) EL, 10 μ F, ±20%, 50V
			CS17	24794100	(32ZD08G) EL, 10 μ F, ±20%, 16V
			CS18	24794100	(32ZD08G) EL, 10 μ F, ±20%, 16V
			CS19	24797478	(32ZD08G) EL, 0.47 μ F, ±20%, 50V
			CS22	24794100	(32ZD08G) EL, 10 μ F, ±20%, 16V
			CS23	24794100	(32ZD08G) EL, 10 μ F, ±20%, 16V

Location No.	Part No.	Description	Location No.	Part No.	Description
CV02	24092293	Chip, 0.1μF, +80%, -20%, 25V	CX160	24092293	Chip, 0.1μF, +80%, -20%, 25V
CV03	24092293	Chip, 0.1μF, +80%, -20%, 25V	CX163	24085981	EL, 10μF, ±20%, 16V, Non-Polar
CV04	24092293	Chip, 0.1μF, +80%, -20%, 25V	CX165	24092293	Chip, 0.1μF, +80%, -20%, 25V
CV05	24814103	Chip, 0.01μF, +80%, -20%	CX168	24774101	Chip, 100pF, CH
CV06	24092293	Chip, 0.1μF, +80%, -20%, 25V	CX169	24774470	Chip, 47pF, CH
CV08	24794101	EL, 100μF, ±20%, 16V	CX170	24774271	Chip, 270pF, CH
CV09	24815473	Chip, 0.047μF, ±10%	CX171	24092293	Chip, 0.1μF, +80%, -20%, 25V
CV10	24794220	EL, 22μF, ±20%, 16V	CX172	24794100	EL, 10μF, ±20%, 16V
CV12	24092178	Chip, 0.1μF, ±10%, 25V	CX176	24794100	EL, 10μF, ±20%, 16V
CV14	24781102	Chip, 1000pF, SL	CX177	24092293	Chip, 0.1μF, +80%, -20%, 25V
CV15	24781102	Chip, 1000pF, SL	CX179	24092441	Chip, 1μF, +80%, -20%, 16V
CV16	24781102	Chip, 1000pF, SL	CX180	24092293	Chip, 0.1μF, +80%, -20%, 25V
CV17	24781102	Chip, 1000pF, SL	CX184	24092293	Chip, 0.1μF, +80%, -20%, 25V
CV18	24781102	Chip, 1000pF, SL	CX185	24092293	Chip, 0.1μF, +80%, -20%, 25V
CV19	24781102	Chip, 1000pF, SL	CX186	24092293	Chip, 0.1μF, +80%, -20%, 25V
CV23	24203101	EL, 100μF, ±20%, 16V	CX187	24794100	EL, 10μF, ±20%, 16V
CV24	24814103	Chip, 0.01μF, +80%, -20%	CX188	24794100	EL, 10μF, ±20%, 16V
CV35	24814103	Chip, 0.01μF, +80%, -20%	CX189	24794100	EL, 10μF, ±20%, 16V
CV39	24794101	EL, 100μF, ±20%, 16V	CX190	24774330	Chip, 33pF, CH
CV40	24814103	Chip, 0.01μF, +80%, -20%	CX191	24092293	Chip, 0.1μF, +80%, -20%, 25V
CV46	24212332	CD, 3300pF, ±10%	CX192	24092293	Chip, 0.1μF, +80%, -20%, 25V
CV47	24212332	CD, 3300pF, ±10%	CX193	24092293	Chip, 0.1μF, +80%, -20%, 25V
CV48	24212102	CD, 1000pF, ±10%	CX201	24092293	Chip, 0.1μF, +80%, -20%, 25V
CV65	24203101	EL, 100μF, ±20%, 16V	CX202	24092293	Chip, 0.1μF, +80%, -20%, 25V
CV66	24794101	EL, 100μF, ±20%, 16V	CX204	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX101	24794470	EL, 47μF, ±20%, 16V	CX205	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX102	24085981	EL, 10μF, ±20%, 16V, Non-Polar	CX206	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX104	24092293	Chip, 0.1μF, +80%, -20%, 25V	CX208	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX105	24774330	Chip, 33pF, CH	CX209	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX106	24774270	Chip, 270pF, CH	CX211	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX107	24774101	Chip, 100pF, CH	CX212	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX108	24092293	Chip, 0.1μF, +80%, -20%, 25V	CX214	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX111	24092621	Chip, 1μF, ±10%, 10V	CX215	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX112	24794100	EL, 10μF, ±20%, 16V	CX216	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX113	24092293	Chip, 0.1μF, +80%, -20%, 25V	CX218	24794471	EL, 470μF, ±20%, 16V
CX114	24092293	Chip, 0.1μF, +80%, -20%, 25V	CX221	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX115	24092293	Chip, 0.1μF, +80%, -20%, 25V	CX222	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX116	24092293	Chip, 0.1μF, +80%, -20%, 25V	CX224	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX117	24092293	Chip, 0.1μF, +80%, -20%, 25V	CX225	24794220	EL, 22μF, ±20%, 16V
CX118	24794100	EL, 10μF, ±20%, 16V	CX226	24794101	EL, 100μF, ±20%, 16V
CX119	24794100	EL, 10μF, ±20%, 16V	CX227	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX120	24794100	EL, 10μF, ±20%, 16V	CX228	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX121	24774330	Chip, 33pF, CH	CX230	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX122	24092293	Chip, 0.1μF, +80%, -20%, 25V	CX231	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX123	24092293	Chip, 0.1μF, +80%, -20%, 25V	CX232	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX124	24092293	Chip, 0.1μF, +80%, -20%, 25V	CX234	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX125	24794100	EL, 10μF, ±20%, 16V	CX235	24797229	EL, 2.2μF, ±20%, 50V
CX126	24092293	Chip, 0.1μF, +80%, -20%, 25V	CX236	24794101	EL, 100μF, ±20%, 16V
CX128	24092441	Chip, 1μF, +80%, -20%, 16V	CX237	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX129	24092293	Chip, 0.1μF, +80%, -20%, 25V	CX238	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX130	24092293	Chip, 0.1μF, +80%, -20%, 25V	CX239	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX143	24085981	EL, 10μF, ±20%, 16V, Non-Polar	CX240	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX145	24092293	Chip, 0.1μF, +80%, -20%, 25V	CX241	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX148	24774101	Chip, 100pF, CH	CX243	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX149	24774470	Chip, 47pF, CH	CX244	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX150	24774271	Chip, 270pF, CH	CX245	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX151	24092293	Chip, 0.1μF, +80%, -20%, 25V	CX246	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX152	24794100	EL, 10μF, ±20%, 16V	CX247	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX155	24092293	Chip, 0.1μF, +80%, -20%, 25V	CX249	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX156	24794100	EL, 10μF, ±20%, 16V	CX250	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX157	24092293	Chip, 0.1μF, +80%, -20%, 25V	CX251	24794471	EL, 470μF, ±20%, 16V
CX159	24092441	Chip, 1μF, +80%, -20%, 16V	CX261	24092293	Chip, 0.1μF, +80%, -20%, 25V
			CX262	24774470	Chip, 47pF, CH

Location No.	Part No.	Description
CX271	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX301	24794100	EL, 10μF, ±20%, 16V
CX302	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX303	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX305	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX306	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX308	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX309	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX310	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX321	24794100	EL, 10μF, ±20%, 16V
CX323	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX326	24774680	Chip, 68pF, CH
CX328	24774330	Chip, 33pF, CH
CX330	24794470	EL, 47μF, ±20%, 16V
CX341	24794100	EL, 10μF, ±20%, 16V
CX343	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX346	24774181	Chip, 180pF, CH
CX348	24774181	Chip, 180pF, CH
CX361	24794100	EL, 10μF, ±20%, 16V
CX363	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX366	24774181	Chip, 180pF, CH
CX368	24774181	Chip, 180pF, CH
CX401	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX402	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX403	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX404	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX405	24794471	EL, 470μF, ±20%, 16V
CX406	24794471	EL, 470μF, ±20%, 16V
CX407	24774220	Chip, 22pF, CH
CX408	24774220	Chip, 22pF, CH
CX409	24774220	Chip, 22pF, CH
CX410	24774220	Chip, 22pF, CH
CX411	24774220	Chip, 22pF, CH
CX412	24774220	Chip, 22pF, CH
CX421	24774221	Chip, 220pF, CH
CX422	24774221	Chip, 220pF, CH
CX423	24774221	Chip, 220pF, CH
CX424	24774221	Chip, 220pF, CH
CX425	24774221	Chip, 220pF, CH
CX427	24774221	Chip, 220pF, CH
CX428	24774330	Chip, 33pF, CH
CX429	24774330	Chip, 33pF, CH
CX430	24774221	Chip, 220pF, CH
CX431	24073020	EL, 1000μF, ±20%, 10V
CX432	24092294	Chip, 0.33μF, +80%, -20%, 16V
CX433	24092293	Chip, 0.1μF, +80%, -20%, 25V
CX434	24092441	Chip, 1μF, +80%, -20%, 16V
CX435	24092293	Chip, 0.1μF, +80%, -20%, 25V
CZ01	24092293	Chip, 0.1μF, +80%, -20%, 25V
CZ02	24814103	Chip, 0.01μF, +80%, -20%
CZ03	24092442	Chip, 0.47μF, +80%, -20%, 16V
CZ05	24814103	Chip, 0.01μF, +80%, -20%
CZ07	24092293	Chip, 0.1μF, +80%, -20%, 25V
CZ09	24781220	Chip, 22pF, SL
CZ10	24781100	Chip, 10pF, ±0.5pF%, SL
CZ11	24781220	Chip, 22pF, SL
CZ12	24814103	Chip, 0.01μF, +80%, -20%
CZ13	24814103	Chip, 0.01μF, +80%, -20%
CZ14	24794100	EL, 10μF, ±20%, 16V
CZ17	24814103	Chip, 0.01μF, +80%, -20%
CZ19	24781181	Chip, 180pF, SL
CZ20	24814103	Chip, 0.01μF, +80%, -20%

Location No.	Part No.	Description
CZ21	24781122	Chip, 1200pF, SL
CZ22	24794100	EL, 10μF, ±20%, 16V
CZ23	24814103	Chip, 0.01μF, +80%, -20%
CZ24	24814103	Chip, 0.01μF, +80%, -20%
CZ25	24794100	EL, 10μF, ±20%, 16V
CZ26	24814103	Chip, 0.01μF, +80%, -20%
CZ28	24814103	Chip, 0.01μF, +80%, -20%
CZ29	24814103	Chip, 0.01μF, +80%, -20%
CZ30	24794100	EL, 10μF, ±20%, 16V
CZ31	24092293	Chip, 0.1μF, +80%, -20%, 25V
CZ32	24781101	Chip, 100pF, SL
CZ33	24781270	Chip, 27pF, SL
CZ34	24781101	Chip, 100pF, SL
CZ35	24781270	Chip, 27pF, SL
CZ37	24814103	Chip, 0.01μF, +80%, -20%
CZ45	24781100	Chip, 10pF, ±0.5pF%, SL
RESISTORS		
R101	24366101	CF, 100 ohm(32ZD08G)
R101	24553223	OMF, 22k ohm, 1W (32ZD08B)
R102	24366103	CF, 10k ohm
R204	24366104	CF, 100k ohm
R205	24366101	CF, 100 ohm
R206	24366471	CF, 470 ohm
R208	24366103	CF, 10k ohm
R209	24366103	CF, 10k ohm
R210	24366101	CF, 100 ohm
R211	24366101	CF, 100 ohm
R211	24366473	CF, 47k ohm
R212	24366101	CF, 100 ohm
R213	24366681	CF, 680 ohm
R214	24366681	CF, 680 ohm
R215	24366681	CF, 680 ohm
R216	24366103	CF, 10k ohm
R217	24366392	CF, 3900 ohm
R218	24366101	CF, 100 ohm
R219	24366101	CF, 100 ohm
R219	24366473	CF, 47k ohm
R220	24366101	CF, 100 ohm
R223	24366472	CF, 4700 ohm
R227	24366223	CF, 22k ohm
R229	24366472	CF, 4700 ohm
R231	24366222	CF, 2200 ohm
R235	24366222	CF, 2200 ohm
R236	24366101	CF, 100 ohm
R237	24366101	CF, 100 ohm
R238	24366562	CF, 5600 ohm
R260	24366222	CF, 2200 ohm
R261	24366681	CF, 680 ohm
R262	24366102	CF, 1k ohm
R263	24366102	CF, 1k ohm
R264	24366103	CF, 10k ohm
R265	24366392	CF, 3900 ohm
R266	24366332	CF, 3300 ohm
R267	24366101	CF, 100 ohm
R269	24366151	CF, 150 ohm
R270	24366102	CF, 1k ohm
R271	24366472	CF, 4700 ohm
R271	24872103	Chip, 10k ohm, 1/16W
R272	24872103	Chip, 10k ohm, 1/16W
R303	24321109	MF, 1 ohm, 1/2W
R305	24339518	MF, 0.51 ohm, 2W
R306	24339518	MF, 0.51 ohm, 2W

Location No.	Part No.	Description	Location No.	Part No.	Description
R307	24366101	CF, 100 ohm	R465	24366101	CF, 100 ohm
R310	24366511	CF, 510 ohm	R466	24366272	CF, 2700 ohm
R311	24366911	CF, 910 ohm	R467	24327224	MF, 220k ohm, ±1%, 1/4W
R312	24366153	CF, 15k ohm	R469	24000211	FR, 15 ohm, 1/2W
R313	24552132	OMF, 1300 ohm, 1/2W	R470	24339568	MF, 0.56 ohm, 2W
R314	24366102	CF, 1k ohm	R471	24531271	FR, 270 ohm, 1/2W
R315	24366332	CF, 3300 ohm	R472	24366101	CF, 100 ohm
R315	24366474	CF, 470k ohm	R473	24366183	CF, 18k ohm
R316	24366394	CF, 390k ohm	R473	24366334	CF, 330k ohm
R317	24366511	CF, 510 ohm	R474	24376393	CF, 39k ohm, 1/2W
R318	24366101	CF, 100 ohm	R476	24366471	CF, 470 ohm
R319	24366101	CF, 100 ohm	R477	24366102	CF, 1k ohm
R320	24366155	CF, 1.5M ohm	R478	24381333	OMF, 33k ohm, 1/2W
R321	24552392	OMF, 3900 ohm, 1/2W	R479	24531680	FR, 68 ohm, 1/2W
R322	24366102	CF, 1k ohm	R480	24552222	OMF, 2200 ohm, 1/2W
R323	24366103	CF, 10k ohm	R481	24366223	CF, 22k ohm
R324	24366681	CF, 680 ohm	R482	24366183	CF, 18k ohm
R325	24366103	CF, 10k ohm	R483	24366223	CF, 22k ohm
R326	24339109	MF, 1 ohm, 2W	R487	24366474	CF, 470k ohm
R327	24339109	MF, 1 ohm, 2W	R488	24366154	CF, 150k ohm
R328	24366102	CF, 1k ohm	R489	24366102	CF, 1k ohm
R330	24366103	CF, 10k ohm	R490	24366101	CF, 100 ohm
R331	24366104	CF, 100k ohm	R491	24366101	CF, 100 ohm
R333	24552912	OMF, 9100 ohm, 1/2W	R492	24366472	CF, 4700 ohm
R335	24366103	CF, 10k ohm	R499	24366101	CF, 100 ohm
R336	24383181	OMF, 180 ohm, 2W	R501	24872682	Chip, 6800 ohm, 1/16W
R338	24003898	MF, 3300 ohm, 1/4W	R502	24366101	CF, 100 ohm
R341	24366822	CF, 8200 ohm	R502	24872272	Chip, 2700 ohm, 1/16W
R343	24366273	CF, 27k ohm	R503	24366101	CF, 100 ohm
R353	24366471	CF, 470 ohm	R504	24872101	Chip, 100 ohm, 1/16W
R370	24366822	CF, 8200 ohm	R505	24872101	Chip, 100 ohm, 1/16W
R371	24366103	CF, 10k ohm	R506	24872273	Chip, 27k ohm, 1/16W
R373	24366103	CF, 10k ohm	R507	24872392	Chip, 3900 ohm, 1/16W
R374	24366472	CF, 4700 ohm	R512	24872102	Chip, 1k ohm, 1/16W
R375	24552150	OMF, 15 ohm, 1/2W	R513	24366472	CF, 4700 ohm
R400	24946561	CC, 560 ohm, 1/2W	R513	24872102	Chip, 1k ohm, 1/16W
R402	24366102	CF, 1k ohm	R514	24366101	CF, 100 ohm
R403	24366302	CF, 3k ohm	R514	24872102	Chip, 1k ohm, 1/16W
R405	24553682	OMF, 6800 ohm, 1W	R515	24872102	Chip, 1k ohm, 1/16W
R407	24366103	CF, 10k ohm	R516	24872102	Chip, 1k ohm, 1/16W
R411	24366180	CF, 18 ohm	R517	24872102	Chip, 1k ohm, 1/16W
R414	24531560	FR, 56 ohm, 1/2W	R518	24366102	CF, 1k ohm
R415	24366101	CF, 100 ohm	R518	24366681	CF, 680 ohm
R415	24553561	OMF, 560 ohm, 1W	R519	24872472	Chip, 4700 ohm, 1/16W
R416	24381563	OMF, 56k ohm, 1/2W	R520	24872103	Chip, 10k ohm, 1/16W
R417	24510101	Cement, 100 ohm, 5W	R521	24872103	Chip, 10k ohm, 1/16W
R424	24366152	CF, 1500 ohm	R609	24366563	CF, 56k ohm
R425	24366182	CF, 1800 ohm	R610	24366103	CF, 10k ohm
R426	24366751	CF, 750 ohm	R611	24366103	CF, 10k ohm
R427	24366392	CF, 3900 ohm	R612	24366103	CF, 10k ohm
R428	24366561	CF, 560 ohm	R613	24366224	CF, 220k ohm
R429	24552560	OMF, 56 ohm, 1/2W	R615	24366223	CF, 22k ohm
R431	24366103	CF, 10k ohm(32ZD08B)	R616	24366333	CF, 33k ohm
R432	24366473	CF, 47k ohm(32ZD08B)	R617	24366472	CF, 4700 ohm
R433	24366681	CF, 680 ohm	R618	24366223	CF, 22k ohm
R434	24366472	CF, 4700 ohm	R619	24366472	CF, 4700 ohm
R435	24366184	CF, 180k ohm	R620	24366153	CF, 15k ohm
R441	24383561	OMF, 560 ohm, 2W	R621	24366333	CF, 33k ohm
R445	24321129	MF, 1.2 ohm, 1/2W	R622	24366392	CF, 3900 ohm
R460	24552332	OMF, 3300 ohm, 1/2W	R623	24366332	CF, 3300 ohm
R461	24381182	OMF, 1800 ohm, 1/2W	R624	24366103	CF, 10k ohm
R462	24366333	CF, 33k ohm	R625	24366103	CF, 10k ohm
R463	24323229	MF, 2.2 ohm, 2W	R626	24366562	CF, 5600 ohm
R464	24366273	CF, 27k ohm	R627	24366102	CF, 1k ohm

Location No.	Part No.	Description
R628	24366102	CF, 1k ohm
R631	24552122	OMF, 1200 ohm, 1/2W
R632	24872183	Chip, 18k ohm, 1/16W
R633	24872101	Chip, 100 ohm, 1/16W
R634	24366229	CF, 2.2 ohm
R634	24872332	Chip, 3300 ohm, 1/16W
R635	24872563	Chip, 56k ohm, 1/16W
R636	24872103	Chip, 10k ohm, 1/16W
R637	24366472	CF, 4700 ohm
R637	24872103	Chip, 10k ohm, 1/16W
R638	24872563	Chip, 56k ohm, 1/16W
R639	24366223	CF, 22k ohm
R639	24872153	Chip, 15k ohm, 1/16W
R640	24366472	CF, 4700 ohm
R640	24872153	Chip, 15k ohm, 1/16W
R641	24366182	CF, 1800 ohm
R641	24872153	Chip, 15k ohm, 1/16W
R642	24366562	CF, 5600 ohm
R642	24872182	Chip, 1800 ohm, 1/16W
R643	24366222	CF, 2200 ohm
R643	24872104	Chip, 100k ohm, 1/16W
R644	24366473	CF, 47k ohm
R644	24872104	Chip, 100k ohm, 1/16W
R645	24366229	CF, 2.2 ohm
R645	24872102	Chip, 1k ohm, 1/16W
R646	24366223	CF, 22k ohm
R646	24872681	Chip, 680 ohm, 1/16W
R647	24872223	Chip, 22k ohm, 1/16W
R648	24366229	CF, 2.2 ohm
R648	24872223	Chip, 22k ohm, 1/16W
R649	24366223	CF, 22k ohm
R661	24510159	Cement, 1.5 ohm, 5W
R661	24552221	OMF, 220 ohm, 1/2W
R662	24366104	CF, 100k ohm
R662	24552221	OMF, 220 ohm, 1/2W
R670	24366472	CF, 4700 ohm
R671	24366102	CF, 1k ohm
R671	24366222	CF, 2200 ohm
R672	24366102	CF, 1k ohm
R672	24366472	CF, 4700 ohm
R673	24366102	CF, 1k ohm
R673	24366222	CF, 2200 ohm
R674	24366102	CF, 1k ohm
R676	24366223	CF, 22k ohm
R676	24872223	Chip, 22k ohm, 1/16W
R677	24366223	CF, 22k ohm
R677	24872223	Chip, 22k ohm, 1/16W
R678	24366562	CF, 5600 ohm
R678	24872223	Chip, 22k ohm, 1/16W
R679	24366562	CF, 5600 ohm
R679	24872223	Chip, 22k ohm, 1/16W
R681	24366104	CF, 100k ohm
R684	24366229	CF, 2.2 ohm
R685	24366229	CF, 2.2 ohm
R687	24366222	CF, 2200 ohm
R688	24366222	CF, 2200 ohm
R689	24366104	CF, 100k ohm
R692	24872681	Chip, 680 ohm, 1/16W
R693	24872681	Chip, 680 ohm, 1/16W
R702	24552221	OMF, 220 ohm, 1/2W
R712	24366101	CF, 100 ohm
R715	24366223	CF, 22k ohm
R716	24366273	CF, 27k ohm
R717	24366183	CF, 18k ohm

Location No.	Part No.	Description
R718	24366681	CF, 680 ohm
R722	24552471	OMF, 470 ohm, 1/2W
R723	24366101	CF, 100 ohm
R724	24366181	CF, 180 ohm
R725	24366821	CF, 820 ohm
R730	24552100	OMF, 10 ohm, 1/2W
R731	24553331	OMF, 330 ohm, 1W
R732	24366220	CF, 22 ohm
R733	24366683	CF, 68k ohm
R734	24366220	CF, 22 ohm
R735	24366683	CF, 68k ohm
R736	24366470	CF, 47 ohm
R737	24366681	CF, 680 ohm
R738	24366102	CF, 1k ohm
R739	24366681	CF, 680 ohm
R740	24366470	CF, 47 ohm
R741	24366229	CF, 2.2 ohm
R742	24366229	CF, 2.2 ohm
R743	24554101	OMF, 100 ohm, 2W
R744	24366122	CF, 1200 ohm
R745	24366122	CF, 1200 ohm
▲R801	24009954	Metal-Glazed Resistor, 2.2M ohm, 1/2W
R803	24383333	OMF, 33k ohm, 2W
R804	24366334	CF, 330k ohm
R805	24366681	CF, 680 ohm
R807	24366334	CF, 330k ohm
R808	24019484	PTC Thermistor, 4.5 ohm
R809	24366393	CF, 39k ohm
R810	24568159	Cement, 1.5 ohm, 7W
R814	24366682	CF, 6800 ohm
R815	24366332	CF, 3300 ohm
R818	24019460	MF, 0.1 ohm, 2W
R819	24310829	MF, 8.2 ohm, 1/2W
R821	24366101	CF, 100 ohm
R822	24552103	OMF, 10k ohm, 1/2W
R823	24552822	OMF, 8200 ohm, 1/2W
R824	24569689	Cement, 6.8 ohm, 10W
R827	24366681	CF, 680 ohm
R828	24366821	CF, 820 ohm
R829	24321338	MF, 0.33 ohm, 1/2W
R831	24366471	CF, 470 ohm
R832	24366472	CF, 4700 ohm
R833	24366222	CF, 2200 ohm
R834	24366471	CF, 470 ohm
R835	24322229	MF, 2.2 ohm, 1W (32ZD08B)
R841	24531120	FR, 12 ohm, 1/2W (32ZD08B)
R842	24552392	OMF, 3900 ohm, 1/2W (32ZD08B)
R843	24366331	CF, 330 ohm
R846	24366101	CF, 100 ohm
R847	24366472	CF, 4700 ohm (32ZD08B)
R849	24366471	CF, 470 ohm
R850	24366103	CF, 10k ohm
R851	24366102	CF, 1k ohm
R852	24366225	CF, 2.2M ohm
R865	24366332	CF, 3300 ohm (32ZD08G)
R868	24366472	CF, 4700 ohm (32ZD08G)
R875	24366332	CF, 3300 ohm (32ZD08G)
R876	24366103	CF, 10k ohm (32ZD08G)
R891	24383102	OMF, 1k ohm, 2W (32ZD08G)
▲R899	24005015	Metal-Glazed Resistor, 8.2M ohm, 1W
R901	24376561	CF, 560 ohm, 1/2W

Location No.	Part No.	Description	Location No.	Part No.	Description
R902	24376561	CF, 560 ohm, 1/2W	R4407	24366361	CF, 360 ohm
R903	24376561	CF, 560 ohm, 1/2W	R4410	24366103	CF, 10k ohm
R904	24366472	CF, 4700 ohm	R4416	24366101	CF, 100 ohm
R905	24366150	CF, 15 ohm	R4417	24366101	CF, 100 ohm
R909	24366100	CF, 10 ohm	R4418	24366102	CF, 1k ohm
R914	24366471	CF, 470 ohm	R4419	24366103	CF, 10k ohm
R915	24366680	CF, 68 ohm	R4425	24552471	OMF, 470 ohm, 1/2W
R916	24366180	CF, 18 ohm	R4426	24366152	CF, 1500 ohm
R917	24366471	CF, 470 ohm	R4461	24366102	CF, 1k ohm
R918	24366180	CF, 18 ohm	R4462	24366133	CF, 13k ohm
R920	24000880	FR, 5.1 ohm, 1W	R4463	24366682	CF, 6800 ohm
R921	24366471	CF, 470 ohm	R4464	24366223	CF, 22k ohm
R922	24366680	CF, 68 ohm	R4472	24366103	CF, 10k ohm
R924	24366180	CF, 18 ohm	R4490	24382222	OMF, 2200 ohm, 1W
R925	24366471	CF, 470 ohm	R4491	24366392	CF, 3900 ohm
R928	24366471	CF, 470 ohm	R4492	24366103	CF, 10k ohm
R929	24366680	CF, 68 ohm	R4493	24382104	OMF, 100k ohm, 1W
R930	24366180	CF, 18 ohm	R4495	24366473	CF, 47k ohm
R932	24366332	CF, 3300 ohm	R4799	24366103	CF, 10k ohm
R933	24366750	CF, 75 ohm	RA01	24366102	CF, 1k ohm
R934	24366361	CF, 360 ohm	RA03	24366102	CF, 1k ohm
R935	24366102	CF, 1k ohm	RA04	24366102	CF, 1k ohm
R936	24366750	CF, 75 ohm	RA05	24366102	CF, 1k ohm
R937	24366471	CF, 470 ohm	RA07	24366102	CF, 1k ohm
R939	24366680	CF, 68 ohm	RA08	24366102	CF, 1k ohm
R942	24366392	CF, 3900 ohm	RA09	24366682	CF, 6800 ohm
R943	24366392	CF, 3900 ohm	RA10	24366682	CF, 6800 ohm
R944	24366392	CF, 3900 ohm	RA11	24366331	CF, 330 ohm
R945	24366180	CF, 18 ohm	RA12	24366331	CF, 330 ohm
R946	24366180	CF, 18 ohm	RA13	24366153	CF, 15k ohm
R960	24383153	OMF, 15k ohm, 2W	RA14	24366102	CF, 1k ohm
R961	24383153	OMF, 15k ohm, 2W	RA16	24366102	CF, 1k ohm
R962	24383153	OMF, 15k ohm, 2W	RA17	24366102	CF, 1k ohm
R963	24383153	OMF, 15k ohm, 2W	RA18	24366102	CF, 1k ohm
R964	24383153	OMF, 15k ohm, 2W	RA19	24366331	CF, 330 ohm
R965	24383153	OMF, 15k ohm, 2W	RA20	24366331	CF, 330 ohm
R966	24383153	OMF, 15k ohm, 2W	RA21	24366331	CF, 330 ohm
R967	24383153	OMF, 15k ohm, 2W	RA22	24366331	CF, 330 ohm
R968	24383153	OMF, 15k ohm, 2W	RA23	24366472	CF, 4700 ohm
R969	24366101	CF, 100 ohm	RA24	24366472	CF, 4700 ohm
R970	24366101	CF, 100 ohm	RA25	24366103	CF, 10k ohm
R971	24366101	CF, 100 ohm	RA26	24366102	CF, 1k ohm
R977	24366561	CF, 560 ohm	RA27	24366102	CF, 1k ohm
R980	24366471	CF, 470 ohm	RA29	24366102	CF, 1k ohm
R981	24366471	CF, 470 ohm	RA29	24366104	CF, 100k ohm
R982	24366682	CF, 6800 ohm	RA30	24366102	CF, 1k ohm
R983	24366222	CF, 2200 ohm	RA30	24366103	CF, 10k ohm
R984	24366821	CF, 820 ohm	RA31	24366561	CF, 560 ohm
R985	24367471	CF, 470 ohm, ±2%	RA33	24366103	CF, 10k ohm
R986	24367681	CF, 680 ohm, ±2%	RA35	24366102	CF, 1k ohm
R987	24367681	CF, 680 ohm, ±2%	RA37	24366101	CF, 100 ohm
R988	24367472	CF, 4700 ohm, ±2%	RA38	24366101	CF, 100 ohm
R989	24367472	CF, 4700 ohm, ±2%	RA40	24366331	CF, 330 ohm
R990	24366561	CF, 560 ohm	RA41	24366273	CF, 27k ohm
R991	24367391	CF, 390 ohm, ±2%	RA43	24366102	CF, 1k ohm
R992	24366150	CF, 15 ohm	RA44	24366103	CF, 10k ohm
R4222	24366472	CF, 4700 ohm	RA62	24366102	CF, 1k ohm
R4223	24366103	CF, 10k ohm	RA63	24366102	CF, 1k ohm
R4224	24366272	CF, 2700 ohm	RA65	24366103	CF, 10k ohm
R4225	24366102	CF, 1k ohm	RA66	24366103	CF, 10k ohm
R4310	24366183	CF, 18k ohm	RA67	24366472	CF, 4700 ohm
R4403	24366101	CF, 100 ohm	RA68	24366472	CF, 4700 ohm
R4404	24366101	CF, 100 ohm	RA70	24366333	CF, 33k ohm
R4406	24366752	CF, 7500 ohm	RA71	24366683	CF, 68k ohm

Location No.	Part No.	Description	Location No.	Part No.	Description
RA72	24366223	CF, 22k ohm	RF08	23103832	Chip (Ferrite Bead), TEM2125M (32ZD08B)
RA73	24366103	CF, 10k ohm	RF09	24872683	Chip, 68k ohm, 1/16W (32ZD08G)
RA75	24366333	CF, 33k ohm	RF09	23103832	Chip (Ferrite Bead), TEM2125M (32ZD08B)
RA76	24366103	CF, 10k ohm	RF10	24872103	Chip, 10k ohm, 1/16W (32ZD08G)
RA77	24366223	CF, 22k ohm	RF10	23103832	Chip (Ferrite Bead), TEM2125M (32ZD08B)
RA78	24366102	CF, 1k ohm	RF11	24872471	Chip, 470 ohm, 1/16W (32ZD08G)
RA78	24366683	CF, 68k ohm	RF11	24872103	Chip, 10k ohm, 1/16W (32ZD08B)
RA80	24366331	CF, 330 ohm(32ZD08G)	RF12	24872104	Chip, 100k ohm, 1/16W (32ZD08G)
RA81	24366331	CF, 330 ohm(32ZD08G)	RF12	24872101	Chip, 100 ohm, 1/16W (32ZD08B)
RA82	24366103	CF, 10k ohm(32ZD08G)	RF13	24872101	Chip, 100 ohm, 1/16W (32ZD08B)
RA85	24366102	CF, 1k ohm	RF14	24872101	Chip, 100 ohm, 1/16W (32ZD08B)
RA89	24366152	CF, 1500 ohm	RF15	24872103	Chip, 10k ohm, 1/16W (32ZD08B)
RB01	24366271	CF, 270 ohm	RF16	24872152	Chip, 1500 ohm, 1/16W (32ZD08G)
RB02	24366271	CF, 270 ohm	RF16	24872471	Chip, 470 ohm, 1/16W (32ZD98B)
RB03	24366101	CF, 100 ohm	RF17	24872102	Chip, 1k ohm, 1/16W (32ZD08G)
RB04	24366223	CF, 22k ohm	RF18	24872103	Chip, 10k ohm, 1/16W (32ZD08G)
RB05	24366223	CF, 22k ohm	RF19	24872102	Chip, 1k ohm, 1/16W (32ZD08G)
RB07	24366271	CF, 270 ohm	RF20	24872101	Chip, 100 ohm, 1/16W (32ZD08G)
RB08	24366271	CF, 270 ohm	RF20	24872152	Chip, 1500 ohm, 1/16W (32ZD08B)
RB09	24366470	CF, 47 ohm	RF21	24872101	Chip, 100 ohm, 1/16W (32ZD08G)
RB10	24366101	CF, 100 ohm	RF21	24000824	Chip, Jumper, 2125 type (32ZD08B)
RB11	24366103	CF, 10k ohm	RF22	24872101	Chip, 100 ohm, 1/16W (32ZD08G)
RB30	24366103	CF, 10k ohm	RF22	24872102	Chip, 1k ohm, 1/16W (32ZD08B)
RB43	24366103	CF, 10k ohm	RF23	24872101	Chip, 100 ohm, 1/16W (32ZD08G)
RB44	24366103	CF, 10k ohm	RF24	24872332	Chip, 3300 ohm, 1/16W (32ZD08G)
RB45	24366101	CF, 100 ohm	RF25	24872332	Chip, 3300 ohm, 1/16W (32ZD08G)
RB81	24366122	CF, 1200 ohm	RF26	24872102	Chip, 1k ohm, 1/16W (32ZD08B)
RB82	24366123	CF, 12k ohm	RF31	24872103	Chip, 10k ohm, 1/16W (32ZD08G)
RB83	24366123	CF, 12k ohm	RF32	24872103	Chip, 10k ohm, 1/16W (32ZD08G)
RB84	24366562	CF, 5600 ohm	RF32	24872101	Chip, 100 ohm, 1/16W (32ZD08B)
RB90	24366392	CF, 3900 ohm	RF33	24872103	Chip, 10k ohm, 1/16W (32ZD08G)
RB91	24366473	CF, 47k ohm	RF33	24872103	Chip, 10k ohm, 1/16W (32ZD08G)
RB92	24366271	CF, 270 ohm	RF34	24872103	Chip, 10k ohm, 1/16W (32ZD08G)
RB93	24366271	CF, 270 ohm			
RB94	24366222	CF, 2200 ohm			
RB95	24366222	CF, 2200 ohm			
RB96	24366273	CF, 27k ohm			
RB97	24366273	CF, 27k ohm			
RB98	24366102	CF, 1k ohm			
RC01	24000824	Chip, Jumper, 2125 type			
RC02	24000824	Chip, Jumper, 2125 type			
RD06	24366102	CF, 1k ohm (32ZD08G)			
RD08	24366102	CF, 1k ohm			
RD10	24366102	CF, 1k ohm (32ZD08G)			
RD16	24366333	CF, 33k ohm			
RD28	24366102	CF, 1k ohm			
RD85	24872151	Chip, 150 ohm, 1/16W			
RD87	24872151	Chip, 150 ohm, 1/16W			
RD88	24872222	Chip, 2200 ohm, 1/16W			
RD89	24872151	Chip, 150 ohm, 1/16W			
RF01	24872332	Chip, 3300 ohm, 1/16W (32ZD08B)			
RF03	24872682	Chip, 6800 ohm, 1/16W (32ZD08B)			
RF04	24872223	Chip, 22k ohm, 1/16W (32ZD08B)			
RF05	24872682	Chip, 6800 ohm, 1/16W (32ZD08G)			
RF06	24872223	Chip, 22k ohm, 1/16W (32ZD08G)			
RF06	24872102	Chip, 1k ohm, 1/16W (32ZD08B)			
RF07	24872332	Chip, 3300 ohm, 1/16W (32ZD08G)			

Location No.	Part No.	Description	Location No.	Part No.	Description
RF34	24872102	Chip, 1k ohm, 1/16W (32ZD08B)	RR07	24366152	CF, 1500 ohm
RF36	24872103	Chip, 10k ohm, 1/16W (32ZD08G)	RR10	24366102	CF, 1k ohm
RF37	24872103	Chip, 10k ohm, 1/16W (32ZD08G)	RR11	24366681	CF, 680 ohm
RF38	24872103	Chip, 10k ohm, 1/16W (32ZD08G)	RR12	24366152	CF, 1500 ohm
RF39	24872472	Chip, 4700 ohm, 1/16W (32ZD08B)	RR13	24366152	CF, 1500 ohm
RF41	24872103	Chip, 10k ohm, 1/16W (32ZD08G)	RR15	24366391	CF, 390 ohm
RF42	24872473	Chip, 47k ohm, 1/16W (32ZD08G)	RR16	24366391	CF, 390 ohm
RF43	24872332	Chip, 3300 ohm, 1/16W (32ZD08G)	RR17	24366391	CF, 390 ohm
RF44	24872332	Chip, 3300 ohm, 1/16W (32ZD08G)	RR18	24366102	CF, 1k ohm
RF45	24872103	Chip, 10k ohm, 1/16W (32ZD08G)	RR20	24872103	Chip, 10k ohm, 1/16W
RF46	24872471	Chip, 470 ohm, 1/16W (32ZD08G)	RR22	24366103	CF, 10k ohm
RF47	24000824	Chip, Jumper, 2125 type (32ZD08G)	RR23	24366103	CF, 10k ohm
RF49	24872472	Chip, 4700 ohm, 1/16W (32ZD08G)	RR24	24000824	Chip, Jumper, 2125 type
RF51	24872103	Chip, 10k ohm, 1/16W (32ZD08G)	RR25	24872102	Chip, 1k ohm, 1/16W
RF52	24872332	Chip, 3300 ohm, 1/16W (32ZD08G)	RR32	24366331	CF, 330 ohm
RF53	24872472	Chip, 4700 ohm, 1/16W (32ZD08G)	RR33	24366331	CF, 330 ohm
RF54	24872103	Chip, 10k ohm, 1/16W (32ZD08G)	RR34	24366331	CF, 330 ohm
RF55	24872151	Chip, 150 ohm, 1/16W (32ZD08G)	RR35	24366392	CF, 3900 ohm
RF56	24872102	Chip, 1k ohm, 1/16W (32ZD08G)	RR36	24366392	CF, 3900 ohm
RG03	24007045	Cement, 3.9 ohm, 5W (32ZD08G)	RR37	24366392	CF, 3900 ohm
RG04	24376154	CF, 150k ohm, 1/2W (32ZD08G)	RR40	24366102	CF, 1k ohm
RG05	24310829	MF, 8.2 ohm, 1/2W(32ZD08G)	RR48	24366102	CF, 1k ohm
RG11	24366471	CF, 470 ohm(32ZD08G)	RR74	24366102	CF, 1k ohm
RG12	24310279	MF, 2.7 ohm, 1/2W(32ZD08G)	RR75	24366102	CF, 1k ohm
RG17	24366103	CF, 10k ohm(32ZD08G)	RR76	24366181	CF, 180 ohm
RG18	24366472	CF, 4700 ohm(32ZD08G)	RR77	24366181	CF, 180 ohm
RG19	24366103	CF, 10k ohm(32ZD08G)	RR78	24366181	CF, 180 ohm
RG20	24366331	CF, 330 ohm(32ZD08G)	RS01	24872681	Chip, 680 ohm, 1/16W
RG21	24310829	MF, 8.2 ohm, 1/2W(32ZD08G)	RS02	24872681	Chip, 680 ohm, 1/16W
RG22	24323229	MF, 2.2 ohm, 2W (32ZD08G)	RS03	24872562	Chip, 5600 ohm, 1/16W
RG23	24321228	MF, 0.22 ohm, 1/2W (32ZD08G)	RS04	24872562	Chip, 5600 ohm, 1/16W
RG24	24383331	OMF, 330 ohm, 2W (32ZD08G)	RS05	24872562	Chip, 5600 ohm, 1/16W
RG25	24383331	OMF, 330 ohm, 2W (32ZD08G)	RS06	24872562	Chip, 5600 ohm, 1/16W
RG26	24366229	CF, 2.2 ohm (32ZD08G)	RS07	24872562	Chip, 5600 ohm, 1/16W
RG75	24552182	OMF, 1800 ohm, 1/2W (32ZD08G)	RS08	24872562	Chip, 5600 ohm, 1/16W
RR01	24366102	CF, 1k ohm	RS09	24872562	Chip, 5600 ohm, 1/16W
RR02	24366104	CF, 100k ohm	RS10	24872562	Chip, 5600 ohm, 1/16W
RR03	24366222	CF, 2200 ohm	RS13	24872101	Chip, 100 ohm, 1/16W
RR04	24366101	CF, 100 ohm	RS14	24872101	Chip, 100 ohm, 1/16W
RR05	24366102	CF, 1k ohm	RS15	24872104	Chip, 100k ohm, 1/16W
RR06	24366223	CF, 22k ohm	RS16	24872104	Chip, 100k ohm, 1/16W
			RS17	24872223	Chip, 22k ohm, 1/16W
			RS18	24872223	Chip, 22k ohm, 1/16W
			RS19	24872681	Chip, 680 ohm, 1/16W
			RS20	24872681	Chip, 680 ohm, 1/16W
			RS21	24872222	Chip, 2200 ohm, 1/16W
			RS22	24872222	Chip, 2200 ohm, 1/16W
			RS23	24872101	Chip, 100 ohm, 1/16W
			RS24	24872101	Chip, 100 ohm, 1/16W
			RS27	24872104	Chip, 100k ohm, 1/16W
			RS28	24872104	Chip, 100k ohm, 1/16W
			RS29	24872223	Chip, 22k ohm, 1/16W
			RS30	24872223	Chip, 22k ohm, 1/16W
			RS31	24872103	Chip, 10k ohm, 1/16W
			RS32	24872104	Chip, 100k ohm, 1/16W
			RS35	24872223	Chip, 22k ohm, 1/16W
			RS36	24872223	Chip, 22k ohm, 1/16W
			RS37	24872104	Chip, 100k ohm, 1/16W
			RS38	24872104	Chip, 100k ohm, 1/16W
			RS43	24872681	Chip, 680 ohm, 1/16W
			RS44	24872681	Chip, 680 ohm, 1/16W
			RV05	24872101	Chip, 100 ohm, 1/16W
			RV06	24872152	Chip, 1500 ohm, 1/16W
			RV07	24872103	Chip, 10k ohm, 1/16W

Location No.	Part No.	Description	Location No.	Part No.	Description
RV08	24872103	Chip, 10k ohm, 1/16W	RX123	24872331	Chip, 330 ohm, 1/16W
RV09	24872101	Chip, 100 ohm, 1/16W	RX124	24872101	Chip, 100 ohm, 1/16W
RV10	24872101	Chip, 100 ohm, 1/16W	RX125	24872101	Chip, 100 ohm, 1/16W
RV12	24872681	Chip, 680 ohm, 1/16W	RX130	24872561	Chip, 560 ohm, 1/16W
RV13	24872681	Chip, 680 ohm, 1/16W	RX131	24872102	Chip, 1k ohm, 1/16W
RV22	24366222	CF, 2200 ohm	RX141	24872101	Chip, 100 ohm, 1/16W
RV23	24552101	OMF, 100 ohm, 1/2W	RX143	24872393	Chip, 39k ohm, 1/16W
RV24	24366181	CF, 180 ohm	RX144	24872153	Chip, 15k ohm, 1/16W
RV25	24872101	Chip, 100 ohm, 1/16W	RX145	24872201	Chip, 200 ohm, 1/16W
RV26	24366181	CF, 180 ohm	RX146	24872221	Chip, 220 ohm, 1/16W
RV27	24872750	Chip, 75 ohm, 1/16W	RX147	24872681	Chip, 680 ohm, 1/16W
RV28	24872562	Chip, 5600 ohm, 1/16W	RX150	24872101	Chip, 100 ohm, 1/16W
RV29	24872103	Chip, 10k ohm, 1/16W	RX152	24872331	Chip, 330 ohm, 1/16W
RV30	24872750	Chip, 75 ohm, 1/16W	RX155	24872102	Chip, 1k ohm, 1/16W
RV31	24872750	Chip, 75 ohm, 1/16W	RX156	24872272	Chip, 2700 ohm, 1/16W
RV32	24872750	Chip, 75 ohm, 1/16W	RX157	24872471	Chip, 470 ohm, 1/16W
RV33	24872562	Chip, 5600 ohm, 1/16W	RX158	24872471	Chip, 470 ohm, 1/16W
RV34	24872562	Chip, 5600 ohm, 1/16W	RX161	24872101	Chip, 100 ohm, 1/16W
RV37	24872750	Chip, 75 ohm, 1/16W	RX163	24872393	Chip, 39k ohm, 1/16W
RV60	24872102	Chip, 1k ohm, 1/16W	RX164	24872153	Chip, 15k ohm, 1/16W
RV61	24552101	OMF, 100 ohm, 1/2W	RX165	24872201	Chip, 200 ohm, 1/16W
RV62	24872101	Chip, 100 ohm, 1/16W	RX166	24872221	Chip, 220 ohm, 1/16W
RV63	24366151	CF, 150 ohm	RX167	24872681	Chip, 680 ohm, 1/16W
RV64	24872750	Chip, 75 ohm, 1/16W	RX170	24872101	Chip, 100 ohm, 1/16W
RV65	24552101	OMF, 100 ohm, 1/2W	RX172	24872331	Chip, 330 ohm, 1/16W
RV66	24872750	Chip, 75 ohm, 1/16W	RX175	24872102	Chip, 1k ohm, 1/16W
RV67	24366151	CF, 150 ohm	RX176	24872272	Chip, 2700 ohm, 1/16W
RV68	24872101	Chip, 100 ohm, 1/16W	RX177	24872471	Chip, 470 ohm, 1/16W
RV70	24872101	Chip, 100 ohm, 1/16W	RX178	24872471	Chip, 470 ohm, 1/16W
RV71	24872472	Chip, 4700 ohm, 1/16W	RX179	24872101	Chip, 100 ohm, 1/16W
RV80	24366681	CF, 680 ohm	RX180	24872101	Chip, 100 ohm, 1/16W
RV81	24872750	Chip, 75 ohm, 1/16W	RX181	24872680	Chip, 68 ohm, 1/16W
RV82	24872101	Chip, 100 ohm, 1/16W	RX185	24872470	Chip, 47 ohm, 1/16W
RV83	24366681	CF, 680 ohm	RX186	24872101	Chip, 100 ohm, 1/16W
RV85	24872750	Chip, 75 ohm, 1/16W	RX191	24872100	Chip, 10 ohm, 1/16W
RV86	24872750	Chip, 75 ohm, 1/16W	RX192	24872100	Chip, 10 ohm, 1/16W
RV87	24872750	Chip, 75 ohm, 1/16W	RX193	24872100	Chip, 10 ohm, 1/16W
RV89	24872750	Chip, 75 ohm, 1/16W	RX201	24872102	Chip, 1k ohm, 1/16W
RV90	24872681	Chip, 680 ohm, 1/16W	RX202	24872103	Chip, 10k ohm, 1/16W
RV91	24872681	Chip, 680 ohm, 1/16W	RX203	24872103	Chip, 10k ohm, 1/16W
RV95	24872750	Chip, 75 ohm, 1/16W	RX204	24000824	Chip, Jumper, 2125 type
RV96	24872750	Chip, 75 ohm, 1/16W	RX205	24019439	Chip, 47 ohm, 1/16W
RV97	24872750	Chip, 75 ohm, 1/16W	RX206	24019439	Chip, 47 ohm, 1/16W
RX101	24872393	Chip, 39k ohm, 1/16W	RX207	24019439	Chip, 47 ohm, 1/16W
RX102	24872153	Chip, 15k ohm, 1/16W	RX208	24019439	Chip, 47 ohm, 1/16W
RX103	24872221	Chip, 220 ohm, 1/16W	RX209	24019439	Chip, 47 ohm, 1/16W
RX104	24872392	Chip, 3900 ohm, 1/16W	RX210	24019439	Chip, 47 ohm, 1/16W
RX106	24872331	Chip, 330 ohm, 1/16W	RX211	24019439	Chip, 47 ohm, 1/16W
RX107	24872821	Chip, 820 ohm, 1/16W	RX212	24019439	Chip, 47 ohm, 1/16W
RX108	24872680	Chip, 68 ohm, 1/16W	RX214	24872103	Chip, 10k ohm, 1/16W
RX109	24872122	Chip, 1200 ohm, 1/16W	RX216	24872102	Chip, 1k ohm, 1/16W
RX110	24872122	Chip, 1200 ohm, 1/16W	RX221	24872470	Chip, 47 ohm, 1/16W
RX111	24872681	Chip, 680 ohm, 1/16W	RX222	24872470	Chip, 47 ohm, 1/16W
RX112	24872470	Chip, 47 ohm, 1/16W	RX223	24872470	Chip, 47 ohm, 1/16W
RX113	24872471	Chip, 470 ohm, 1/16W	RX225	24872151	Chip, 150 ohm, 1/16W
RX114	24872681	Chip, 680 ohm, 1/16W	RX226	24872331	Chip, 330 ohm, 1/16W
RX115	24872101	Chip, 100 ohm, 1/16W	RX229	24872332	Chip, 3300 ohm, 1/16W
RX116	24872681	Chip, 680 ohm, 1/16W	RX231	24872470	Chip, 47 ohm, 1/16W
RX117	24872201	Chip, 200 ohm, 1/16W	RX232	24872470	Chip, 47 ohm, 1/16W
RX118	24872221	Chip, 220 ohm, 1/16W	RX233	24872470	Chip, 47 ohm, 1/16W
RX119	24872101	Chip, 100 ohm, 1/16W	RX235	24872274	Chip, 270k ohm, 1/16W
RX120	24872101	Chip, 100 ohm, 1/16W	RX236	24872472	Chip, 4700 ohm, 1/16W
RX121	24872101	Chip, 100 ohm, 1/16W	RX237	24872221	Chip, 220 ohm, 1/16W
RX122	24872122	Chip, 1200 ohm, 1/16W	RX240	24872272	Chip, 2700 ohm, 1/16W

Location No.	Part No.	Description
RX256	24000824	Chip, Jumper, 2125 type
RX258	24872470	Chip, 47 ohm, 1/16W
RX259	24872470	Chip, 47 ohm, 1/16W
RX261	24872101	Chip, 100 ohm, 1/16W
RX263	24872101	Chip, 100 ohm, 1/16W
RX274	24872221	Chip, 220 ohm, 1/16W
RX275	24872221	Chip, 220 ohm, 1/16W
RX276	24872221	Chip, 220 ohm, 1/16W
RX277	24872221	Chip, 220 ohm, 1/16W
RX278	24872221	Chip, 220 ohm, 1/16W
RX279	24872471	Chip, 470 ohm, 1/16W
RX280	24872471	Chip, 470 ohm, 1/16W
RX281	24019439	Chip, 47 ohm, 1/16W
RX282	24019439	Chip, 47 ohm, 1/16W
RX283	24019439	Chip, 47 ohm, 1/16W
RX284	24019439	Chip, 47 ohm, 1/16W
RX285	24872332	Chip, 3300 ohm, 1/16W
RX286	24872332	Chip, 3300 ohm, 1/16W
RX291	24872101	Chip, 100 ohm, 1/16W
RX292	24872101	Chip, 100 ohm, 1/16W
RX293	24872332	Chip, 3300 ohm, 1/16W
RX301	24872201	Chip, 200 ohm, 1/16W
RX302	24872272	Chip, 2700 ohm, 1/16W
RX303	24872201	Chip, 200 ohm, 1/16W
RX304	24872272	Chip, 2700 ohm, 1/16W
RX305	24872201	Chip, 200 ohm, 1/16W
RX306	24872272	Chip, 2700 ohm, 1/16W
RX307	24872472	Chip, 4700 ohm, 1/16W
RX308	24872222	Chip, 2200 ohm, 1/16W
RX309	24872122	Chip, 1200 ohm, 1/16W
RX310	24872122	Chip, 1200 ohm, 1/16W
RX311	24872122	Chip, 1200 ohm, 1/16W
RX312	24872101	Chip, 100 ohm, 1/16W
RX313	24872152	Chip, 1500 ohm, 1/16W
RX314	24872101	Chip, 100 ohm, 1/16W
RX315	24872101	Chip, 100 ohm, 1/16W
RX316	24872101	Chip, 100 ohm, 1/16W
RX321	24872223	Chip, 22k ohm, 1/16W
RX322	24872223	Chip, 22k ohm, 1/16W
RX325	24872101	Chip, 100 ohm, 1/16W
RX330	24872821	Chip, 820 ohm, 1/16W
RX331	24872151	Chip, 150 ohm, 1/16W
RX332	24872821	Chip, 820 ohm, 1/16W
RX334	24872561	Chip, 560 ohm, 1/16W
RX341	24872223	Chip, 22k ohm, 1/16W
RX342	24872223	Chip, 22k ohm, 1/16W
RX345	24872101	Chip, 100 ohm, 1/16W
RX350	24872821	Chip, 820 ohm, 1/16W
RX351	24872121	Chip, 120 ohm, 1/16W
RX352	24872681	Chip, 680 ohm, 1/16W
RX354	24872561	Chip, 560 ohm, 1/16W
RX361	24872223	Chip, 22k ohm, 1/16W
RX362	24872223	Chip, 22k ohm, 1/16W
RX365	24872101	Chip, 100 ohm, 1/16W
RX370	24872821	Chip, 820 ohm, 1/16W
RX371	24872121	Chip, 120 ohm, 1/16W
RX372	24872681	Chip, 680 ohm, 1/16W
RX374	24872561	Chip, 560 ohm, 1/16W
RX402	24872101	Chip, 100 ohm, 1/16W
RX404	24872101	Chip, 100 ohm, 1/16W
RX406	24872101	Chip, 100 ohm, 1/16W
RX408	24872101	Chip, 100 ohm, 1/16W
RX410	24872101	Chip, 100 ohm, 1/16W
RX412	24872101	Chip, 100 ohm, 1/16W

Location No.	Part No.	Description
RX421	24872221	Chip, 220 ohm, 1/16W
RX422	24872221	Chip, 220 ohm, 1/16W
RX423	24872221	Chip, 220 ohm, 1/16W
RX424	24872221	Chip, 220 ohm, 1/16W
RX425	24872221	Chip, 220 ohm, 1/16W
RX427	24872221	Chip, 220 ohm, 1/16W
RX428	24872221	Chip, 220 ohm, 1/16W
RX429	24872221	Chip, 220 ohm, 1/16W
RX430	24872221	Chip, 220 ohm, 1/16W
RX431	24322478	MF, 0.47 ohm, 1W
RZ01	24872102	Chip, 1k ohm, 1/16W
RZ02	24872102	Chip, 1k ohm, 1/16W
RZ03	24872332	Chip, 3300 ohm, 1/16W
RZ04	24872102	Chip, 1k ohm, 1/16W
RZ05	24872391	Chip, 390 ohm, 1/16W
RZ06	24872821	Chip, 820 ohm, 1/16W
RZ08	24872391	Chip, 390 ohm, 1/16W
RZ09	24872101	Chip, 100 ohm, 1/16W
RZ13	24872102	Chip, 1k ohm, 1/16W
RZ14	24872102	Chip, 1k ohm, 1/16W
RZ15	24872102	Chip, 1k ohm, 1/16W
RZ17	24872391	Chip, 390 ohm, 1/16W
RZ18	24872391	Chip, 390 ohm, 1/16W
RZ20	24872101	Chip, 100 ohm, 1/16W
RZ29	24872101	Chip, 100 ohm, 1/16W
RZ30	24872101	Chip, 100 ohm, 1/16W

COILS & TRANSFORMERS

L101	23221803	Coil, Choke, TLN3040D
L201	23289840	Coil, Peaking, TRF4100AT
L301	23103859	Coil (Ferrite Bead), TEM2011
L302	23289846	Coil, Peaking, TRF4101AT
L400	23289840	Coil, Peaking, TRF4100AT
L400	23289846	Coil, Peaking, TRF4101AT
L410	23103859	Coil (Ferrite Bead), TEM2011
L441	23233983	Coil, Linearity, TLN2199AG
L442	23248216	Coil, Choke, TLN3459AH
L449	23103859	Coil (Ferrite Bead), TEM2011
L461	23248183	Coil, Choke, TLN3343AD
L470	23103859	Coil (Ferrite Bead), TEM2011
L491	23211923	Coil, Choke, AT4043/100
L501	23238714	Coil, Peaking, TRF4100AJ
L501	23289840	Coil, Peaking, TRF4100AT
L503	23289840	Coil, Peaking, TRF4100AT
L503	23289844	Coil, Peaking, TRF4470AT
L510	23103852	Coil, Filter, TEM2028AH
L511	23103852	Coil, Filter, TEM2028AH
L512	23103898	Coil, Filter, TEM2030AH
L513	23103898	Coil, Filter, TEM2030AH
L513	23103898	Coil, Filter, TEM2030AH
L515	23103898	Coil, Filter, TEM2030AH
L605	23248073	Coil, Choke, TLN3299D
L631	23103832	Chip (Ferrite Bead), TEM2125M
L632	24000824	Chip Jumper, 2125 Type
L676	23103832	Chip (Ferrite Bead), TEM2125M
L677	23103832	Chip (Ferrite Bead), TEM2125M
L682	23103832	Chip (Ferrite Bead), TEM2125M
L683	23103832	Chip (Ferrite Bead), TEM2125M
L684	23289834	Coil, Peaking, TRF41R0AT

Location No.	Part No.	Description	Location No.	Part No.	Description
L685	23289834	Coil, Peaking, TRF41R0AT	LF17	23289840	Coil, Peaking, TRF4100AT (32ZD08B)
L701	23289840	Coil, Peaking, TRF4100AT	LF21	23238714	Coil, Peaking, TRF4100AJ (32ZD08G)
L702	23261974	Coil, Choke, HC5-035	LF22	23238562	Coil, Peaking, TRF4109AJ (32ZD08G)
L704	23103859	Coil (Ferrite Bead), TEM2011	LF23	23238562	Coil, Peaking, TRF4109AJ (32ZD08G)
L705	23103859	Coil (Ferrite Bead), TEM2011	LF24	23238562	Coil, Peaking, TRF4109AJ (32ZD08G)
L811	23103859	Coil (Ferrite Bead), TEM2011	LF25	23238506	Coil, Peaking, TRF4229AJ (32ZD08G)
L876	23280016	Coil, Peaking, TRF4100AZ	LF26	23238506	Coil, Peaking, TRF4229AJ (32ZD08G)
L883	23221747	Coil, Choke, TRF9253D	LF27	23238506	Coil, Peaking, TRF4229AJ (32ZD08G)
L885	23248073	Coil, Choke, TLN3299D	LF28	23238506	Coil, Peaking, TRF4229AJ (32ZD08G)
L886	23103859	Coil (Ferrite Bead), TEM2011	LF29	23238714	Coil, Peaking, TRF4100AJ (32ZD08G)
L889	23222694	Coil, Width, TLN2026	LF30	23238714	Coil, Peaking, TRF4100AJ (32ZD08G)
L891	23103859	Coil (Ferrite Bead), TEM2011	LF31	23289840	Coil, Peaking, TRF4100AT (32ZD08G)
L892	23103859	Coil (Ferrite Bead), TEM2011	LF50	23238714	Coil, Peaking, TRF4100AJ (32ZD08G)
L893	23280016	Coil, Peaking, TRF4100AZ	LG03	23103859	Coil (Ferrite Bead), TEM2011 (32ZD08G)
L894	23289840	Coil, Peaking, TRF4100AT	LG08	23103859	Coil (Ferrite Bead), TEM2011 (32ZD08G)
L895	23222694	Coil, Width, TLN2026	LG10	23103859	Coil (Ferrite Bead), TEM2011 (32ZD08G)
L896	23103859	Coil (Ferrite Bead), TEM2011	LG11	23103859	Coil (Ferrite Bead), TEM2011 (32ZD08G)
L897	23222694	Coil, Width, TLN2026	LG24	23280016	Coil, Peaking, TRF4100AZ (32ZD08G)
▲ L901	23200404	Coil, Degaussing, TSB-2395AM	LG25	23289840	Coil, Peaking, TRF4100AT (32ZD08G)
L902	23289846	Coil, Peaking, TRF4101AT	LR01	23289834	Coil, Peaking, TRF41R0AT
L903	23289846	Coil, Peaking, TRF4101AT	LR02	23289834	Coil, Peaking, TRF41R0AT
L904	23289846	Coil, Peaking, TRF4101AT	LR26	23103898	Coil, Filter, TEM2030AH
L905	23289841	Coil, Peaking, TRF4150AT	LS45	23103832	Chip (Ferrite Bead), TEM2125M
L906	23289841	Coil, Peaking, TRF4150AT	LS46	23103832	Chip (Ferrite Bead), TEM2125M
L907	23289841	Coil, Peaking, TRF4150AT	LV01	23103852	Coil, Filter, TEM2028AH
L908	23289840	Coil, Peaking, TRF4100AT	LV02	23103898	Coil, Filter, TEM2030AH
L910	23289834	Coil, Peaking, TRF41R0AT	LV03	23103852	Coil, Filter, TEM2028AH
LA01	23289840	Coil, Peaking, TRF4100AT	LV06	23103832	Chip (Ferrite Bead), TEM2125M
LC30	23103775	Coil (Ferrite Bead), TEM2014	LV07	23103832	Chip (Ferrite Bead), TEM2125M
LC31	23103775	Coil (Ferrite Bead), TEM2014	LV09	23289840	Coil, Peaking, TRF4100AT
LC43	23103775	Coil (Ferrite Bead), TEM2014	LV10	23103852	Coil, Filter, TEM2028AH
LC44	23103775	Coil (Ferrite Bead), TEM2014	LV11	23103852	Coil, Filter, TEM2028AH
LC45	23289834	Coil, Peaking, TRF41R0AT	LV20	23103898	Coil, Filter, TEM2030AH
LC88	23289834	Coil, Peaking, TRF41R0AT	LV42	23289840	Coil, Peaking, TRF4100AT
LD87	23103832	Chip (Ferrite Bead), TEM2125M	LV43	23289840	Coil, Peaking, TRF4100AT
LD89	23289844	Coil, Peaking, TRF4470AT	LV49	23103852	Coil, Filter, TEM2028AH
LF01	23289840	Coil, Peaking, TRF4100AT (32ZD08G)	LX101	23103822	Chip (Ferrite Bead), TEM2117T
LF01	23103775	Coil (Ferrite Bead), TEM2014 (32ZD08B)	LX104	23245827	Chip, Inductor, TRF45R6CB
LF02	23289834	Coil, Peaking, TRF41R0AT (32ZD08G)	LX105	23103822	Chip (Ferrite Bead), TEM2117T
LF02	24366100	CF, 10 ohm (32ZD08B)	LX106	23103822	Chip (Ferrite Bead), TEM2117T
LF03	24366100	CF, 10 ohm (32ZD08B)	LX107	23103822	Chip (Ferrite Bead), TEM2117T
LF04	24366100	CF, 10 ohm (32ZD08B)			
LF06	23238562	Coil, Peaking, TRF4109AJ (32ZD08B)			
LF07	23238562	Coil, Peaking, TRF4109AJ (32ZD08B)			
LF08	23238714	Coil, Peaking, TRF4100AJ (32ZD08B)			
LF09	23238714	Coil, Peaking, TRF4100AJ (32ZD08B)			
LF10	23289840	Coil, Peaking, TRF4100AT (32ZD08G)			
LF10	23238562	Coil, Peaking, TRF4109AJ (32ZD08B)			
LF11	23289834	Coil, Peaking, TRF41R0AT (32ZD08B)			
LF12	23289840	Coil, Peaking, TRF4100AT (32ZD08B)			
LF13	23289840	Coil, Peaking, TRF4100AT (32ZD08B)			

Location No.	Part No.	Description
LX110	23103822	Chip (Ferrite Bead), TEM2117T
LX143	23245835	Chip, Inductor, TRF4270CB
LX144	23103822	Chip (Ferrite Bead), TEM2117T
LX145	23103822	Chip (Ferrite Bead), TEM2117T
LX150	23103822	Chip (Ferrite Bead), TEM2117T
LX152	23103822	Chip (Ferrite Bead), TEM2117T
LX153	23103822	Chip (Ferrite Bead), TEM2117T
LX163	23245835	Chip, Inductor, TRF4270CB
LX201	23103886	Chip (Ferrite Bead), TEM2129AM
LX221	23103822	Chip (Ferrite Bead), TEM2117T
LX222	23103822	Chip (Ferrite Bead), TEM2117T
LX223	23103822	Chip (Ferrite Bead), TEM2117T
LX226	23103822	Chip (Ferrite Bead), TEM2117T
LX227	23103822	Chip (Ferrite Bead), TEM2117T
LX231	23103822	Chip (Ferrite Bead), TEM2117T
LX232	23103822	Chip (Ferrite Bead), TEM2117T
LX233	23103822	Chip (Ferrite Bead), TEM2117T
LX236	23103822	Chip (Ferrite Bead), TEM2117T
LX237	23103822	Chip (Ferrite Bead), TEM2117T
LX241	23103822	Chip (Ferrite Bead), TEM2117T
LX261	23103822	Chip (Ferrite Bead), TEM2117T
LX271	23103822	Chip (Ferrite Bead), TEM2117T
LX301	23103822	Chip (Ferrite Bead), TEM2117T
LX321	23103822	Chip (Ferrite Bead), TEM2117T
LX322	23245825	Chip, Inductor, TRF43R9CB
LX342	23245826	Chip, Inductor, TRF44R7CB
LX362	23245826	Chip, Inductor, TRF44R7CB
LX401	23103886	Chip (Ferrite Bead), TEM2129AM
LX402	23103822	Chip (Ferrite Bead), TEM2117T
LX403	23103822	Chip (Ferrite Bead), TEM2117T
LX404	23103822	Chip (Ferrite Bead), TEM2117T
LX405	23103822	Chip (Ferrite Bead), TEM2117T
LX407	23103822	Chip (Ferrite Bead), TEM2117T
LX421	23238562	Coil, Peaking, TRF4109AJ
LX422	23238562	Coil, Peaking, TRF4109AJ
LX423	23238562	Coil, Peaking, TRF4109AJ
LX424	23238562	Coil, Peaking, TRF4109AJ
LX425	23238562	Coil, Peaking, TRF4109AJ
LX427	23238562	Coil, Peaking, TRF4109AJ
LX428	23238718	Coil, Peaking, TRF4479AJ
LX429	23238718	Coil, Peaking, TRF4479AJ
LX430	23238562	Coil, Peaking, TRF4109AJ
LX431	23103880	Coil (Ferrite Bead), TEM2011Y
LZ01	23238710	Coil, Peaking, TRF4220AJ
LZ02	23238714	Coil, Peaking, TRF4100AJ
LZ03	23238714	Coil, Peaking, TRF4100AJ
LZ04	23238708	Coil, Peaking, TRF4330AJ
LZ05	23238709	Coil, Peaking, TRF4270AJ
LZ06	23103852	Coil, Filter, TEM2028AH
LZ07	70131060	Baze Filter, ZBF253D-00
LZ08	23238707	Coil, Peaking, TRF4390AJ
LZ09	70131060	Baze Filter, ZBF253D-00
LZ10	70131060	Baze Filter, ZBF253D-00
▲T400	23224364	Transformer, Focus, TLN2168AH
T401	23224371	Transformer, Horiz, Drive, TLN1080AH
▲T461	23236625	Transformer, Flyback, TFB4162AD
T461D	23236447	ANODE4115B
△TG01	23217466	Transformer, Converter, TPW3449AM (32ZD08G)

Location No.	Part No.	Description
▲T863	23217434	Transformer, Converter, TPW3427AG
SEMICONDUCTORS		
Q200	A6330059	Transistor, 2SC2482(C)
Q201	A6317440	Transistor, 2SC1815-Y
Q202	A6534040	Transistor, 2SA1015-Y
Q203	A6534040	Transistor, 2SA1015-Y
Q204	A6534040	Transistor, 2SA1015-Y
Q205	A6534040	Transistor, 2SA1015-Y
Q206	A6317440	Transistor, 2SC1815-Y
Q209	A6534040	Transistor, 2SA1015-Y
Q237	A6317440	Transistor, 2SC1815-Y
Q261	A6534040	Transistor, 2SA1015-Y
Q262	A6317440	Transistor, 2SC1815-Y
Q263	A6317440	Transistor, 2SC1815-Y
Q274	A6335470	Transistor, 2SC2712-Y
Q301	23905610	IC, LA7846N
Q301B	70391355	Screw, BITTB3X8 SZN
Q303	A6534040	Transistor, 2SA1015-Y
Q304	A6317440	Transistor, 2SC1815-Y
Q370	A6002020	Transistor, RN1202
Q370	A6534040	Transistor, 2SA1015-Y
Q371	A6002020	Transistor, RN1202
Q390	23905953	IC, MC7812BT
Q390B	70391355	Screw, BITTB3X8 SZN
Q391	23319247	IC, MC7912CT
Q391B	70391355	Screw, BITTB3X8 SZN
Q402	A6325413	Transistor, 2SC2235-O
Q404	A6374144	Transistor, 2CS5570
Q404B	A8012650	Spacer, AC263
Q404D	72471082	Screw, BRDT2W3X10 SZN
Q418	23314141	Transistor, 2SC3852
Q418B	70391355	Screw, BITTB3X8 SZN
Q420	23314141	Transistor, 2SC3852
Q420B	70391355	Screw, BITTB3X8 SZN
Q421	A6317440	Transistor, 2SC1815-Y
Q425	A6317440	Transistor, 2SC1815-Y
Q426	A6002060	Transistor, RN1206
Q427	A6002060	Transistor, RN1206
Q428	A6002060	Transistor, RN1206
Q430	23314141	Transistor, 2SC3852
Q430B	70391355	Screw, BITTB3X8 SZN
Q432	23114433	Transistor, 2SC1815-Y (32ZD08B)
Q460	23314850	Transistor, 2SA1788, E
Q460B	72471082	Screw, BRDT2W3X10 SZN
Q461	A6317440	Transistor, 2SC1815-Y
Q462	A6317440	Transistor, 2SC1815-Y
Q470	A6317440	Transistor, 2SC1815-Y
Q470	A6547250	Transistor, 2SA1320
Q471	A6317440	Transistor, 2SC1815-Y
Q472	A6317440	Transistor, 2SC1815-Y
Q473	A6534040	Transistor, 2SA1015-Y
Q504	A6541130	Transistor, 2SA1162-Y
Q505	A6541130	Transistor, 2SA1162-Y
Q506	A6317440	Transistor, 2SC1815-Y
Q507	A6361770	Transistor, 2SC3437-Y
Q510	B0386208	IC, TA1276AN
Q608	A6534040	Transistor, 2SA1015-Y
Q612	A6534040	Transistor, 2SA1015-Y
Q620	23906596	IC, BA4558
Q631	23906596	IC, BA4558
Q632	A6014040	Transistor, RN2404

Location No.	Part No.	Description	Location No.	Part No.	Description
Q633	A6359870	Transistor, 2SC3326-B	Q914	A6317440	Transistor, 2SC1815-Y
Q634	A6014040	Transistor, RN2404	Q4420	B01A0067	IC, TA1300AN
Q635	A6359870	Transistor, 2SC3326-B	Q4462	A6317440	Transistor, 2SC1815-Y
Q639	A6342200	Transistor, 2CS2878-A	Q4490	A8641063	Photo Coupler, TLP521-1
Q640	B0377308	IC, TA8256BH	Q4491	23314917	Transistor, 2SK2003-01MR
Q640B	70391355	Screw, BITTB3X8 SZN	Q4493	A6317440	Transistor, 2SC1815-Y
Q641	A6342200	Transistor, 2CS2878-A	QA01	23000526	IC, 750010-132S(32ZD08G)
Q642	A6342200	Transistor, 2CS2878-A	QA01	23000537	IC, CXP750010-134S(32ZD08B)
Q670	B0376856	IC, TA8211AH	QA02	23906642	IC, AT24C64-10PC
Q670B	70391355	Screw, BITTB3X8 SZN	QA05	A6734590	Transistor, 2SC752(G)TM-Y
Q671	A6342200	Transistor, 2CS2878-A	QA80	A6002020	Transistor, RN1202 (32ZD08G)
Q672	A6342200	Transistor, 2CS2878-A	QA81	A6002020	Transistor, RN1202 (32ZD08G)
Q688	A6002040	Transistor, RN1204	QA82	23904943	IC, MM1111XS (32ZD08G)
Q705	A6317440	Transistor, 2SC1815-Y	QA83	A6002040	Transistor, RN1204 (32ZD08G)
Q706	A6317440	Transistor, 2SC1815-Y	QB01	A6534040	Transistor, 2SA1015-Y
Q707	A6734590	Transistor, 2SC752(G)TM-Y	QB03	A6002050	Transistor, RN1205
Q709	A6317440	Transistor, 2SC1815-Y	QB03	A6534040	Transistor, 2SA1015-Y
Q710	A6534040	Transistor, 2SA1015-Y	QB04	A6534040	Transistor, 2SA1015-Y
Q711	23314911	Transistor, 2SB1569A E	QB30	A6317440	Transistor, 2SC1815-Y
Q711B	70391355	Screw, BITTB3X8 SZN	QB81	A6342200	Transistor, 2CS2878-A
Q712	23314914	Transistor, 2SD2400A E	QB82	A6342200	Transistor, 2CS2878-A
Q712B	70391355	Screw, BITTB3X8 SZN	QB83	A6534040	Transistor, 2SA1015-Y
Q719	A6317440	Transistor, 2SC1815-Y	QB92	A6317440	Transistor, 2SC1815-Y
Q801	23135008	IC, STR-F6668B	QB93	A6534040	Transistor, 2SA1015-Y
Q801B	72471082	Screw, BRDT2W3X10 SZN	QB94	A6534040	Transistor, 2SA1015-Y
Q802	23314141	Transistor, 2SC3852	QB95	A6534040	Transistor, 2SA1015-Y
Q802B	70391355	Screw, BITTB3X8 SZN	QB96	A6534040	Transistor, 2SA1015-Y
Q805	A6314440	Transistor, 2SC1627-Y (32ZD08G)	QD89	A6335470	Transistor, 2SC2712-Y
Q805	23114433	Transistor, 2SC1815-Y (32ZD08B)	QF01	23906551	IC, SDA5275-3P (32ZD08G)
Q807	A6317440	Transistor, 2SC1815-Y (32ZD08G)	QF01	23000507	IC, SDA5275-3S (32ZD08B)
△Q826	A8643108	Photo Coupler, TLP621(GR-LF	QF02	23906927	IC, SAB-C161RI(32ZD08G)
Q827	23319693	IC, SE116N, LF4	QF03	23314204	Transistor, 2SC2412K, Q (32ZD08B)
Q830	23314141	Transistor, 2SC3852	QF04	23000969	IC, MX29F040QC (32ZD08G)
Q830B	70391355	Screw, BITTB3X8 SZN	QF04	A6734590	Transistor, 2SC752(G)TM-Y (32ZD08B)
Q831	23314141	Transistor, 2SC3852	QF05	23000039	IC, AT24C08N10SC(32ZD08G)
Q831B	70391355	Screw, BITTB3X8 SZN	QF08	A6541130	Transistor, 2SA1162-Y (32ZD08B)
Q832	23905977	IC, PQ09RD11	QF10	23000347	IC, MSM5116400D
Q832B	70391355	Screw, BITTB3X8 SZN	QF11	23906367	IC, PST9146NL
Q833	23314141	Transistor, 2SC3852	QF32	A6361770	Transistor, 2SC3437-Y (32ZD08G)
Q833B	70391355	Screw, BITTB3X8 SZN	QF33	A6335470	Transistor, 2SC2712-Y (32ZD08G)
Q840	23318299	IC, L78MR05	QF34	A6335470	Transistor, 2SC2712-Y (32ZD08G)
Q840B	70391355	Screw, BITTB3X8 SZN	QF35	A6335470	Transistor, 2SC2712-Y (32ZD08G)
Q841	23114433	Transistor, 2SC1815-Y (32ZD08B)	QF36	A6541130	Transistor, 2SA1162-Y (32ZD08G)
Q842	23114433	Transistor, 2SC1815-Y (32ZD08B)	QG01	23135014	IC, STR-G5551(32ZD08G)
Q901	A6368700	Transistor, 2CS4544	QG01B	70391355	Screw, BITTB3X8 SZN
Q901B	70391355	Screw, BITTB3X8 SZN	QG36	23314141	Transistor, 2SC3852 (32ZD08G)
Q902	A6317440	Transistor, 2SC1815-Y	QG36B	70391355	Screw, BITTB3X8 SZN
Q903	A6368700	Transistor, 2CS4544	QG37	A6534040	Transistor, 2SA1015-Y (32ZD08G)
Q903B	70391355	Screw, BITTB3X8 SZN	QG38	A6317440	Transistor, 2SC1815-Y (32ZD08G)
Q904	A6317440	Transistor, 2SC1815-Y	QR01	23000123	IC, MB90096-192
Q905	A6368700	Transistor, 2CS4544	QR03	23114530	Transistor, 2SA933S-Q
Q905B	70391355	Screw, BITTB3X8 SZN	QR24	A6335470	Transistor, 2SC2712-Y
Q906	A6317440	Transistor, 2SC1815-Y	QS01	A6359870	Transistor, 2SC3326-B
Q907	A6509140	Transistor, 2SA562TM-Y	QS02	A6359870	Transistor, 2SC3326-B
Q908	A6321240	Transistor, 2SC2120-Y			
Q910	A6317440	Transistor, 2SC1815-Y			
Q911	A6317440	Transistor, 2SC1815-Y			
Q912	A6534040	Transistor, 2SA1015-Y			
Q913	A6534040	Transistor, 2SA1015-Y			

Location No.	Part No.	Description	Location No.	Part No.	Description
QS03	A6335470	Transistor, 2SC2712-Y	QZ08	A6335470	Transistor, 2SC2712-Y
QS04	A6335470	Transistor, 2SC2712-Y	D101	23316756	Diode, Zener, MTZJ33D
QS05	A6359870	Transistor, 2SC3326-B	D201	23115599	Diode, 1N4148
QS06	A6359870	Transistor, 2SC3326-B	D240	23115599	Diode, 1N4148
QS07	A6014040	Transistor, RN2404	D301	23118094	Diode, EU2A, LF-F10
QS08	A6359870	Transistor, 2SC3326-B	D302	23118094	Diode, EU2A, LF-F10
QS09	A6359870	Transistor, 2SC3326-B	D304	23118094	Diode, EU2A, LF-F10
QV02	A6317440	Transistor, 2SC1815-Y	D312	23115599	Diode, 1N4148
QV06	A6541130	Transistor, 2SA1162-Y	D313	23115599	Diode, 1N4148
QV07	A6335470	Transistor, 2SC2712-Y	D320	23115599	Diode, 1N4148
QV09	A6317440	Transistor, 2SC1815-Y	D336	23316672	Diode, Zener, MTZJ5.6B
QV10	A6335470	Transistor, 2SC2712-Y	D337	23316672	Diode, Zener, MTZJ5.6B
QV12	A6317440	Transistor, 2SC1815-Y	D370	23118479	Diode, BYD33J
QV14	A6317440	Transistor, 2SC1815-Y	D370	23316658	Diode, Zener, MTZJ3.6A
QX01	23906921	IC, TC90A61F	D371	23115599	Diode, 1N4148
QX02	23000198	IC, EM636327Q-8	D371	23118479	Diode, BYD33J
QX03	23905013	IC, TLC29321PW	D373	23316690	Diode, Zener, MTZJ10B
QX04	23906951	IC, SN74AHCT1G32	D374	23115599	Diode, 1N4148
QX05	23906951	IC, SN74AHCT1G32	D404	23357043	Diode, FMQ-G5GS
QX07	23905939	IC, TLC2933IPW	D404B	72471082	Screw, BRDT2W3X10 SZN
QX08	23906951	IC, SN74AHCT1G32	D406	23118479	Diode, BYD33J
QX09	23906951	IC, SN74AHCT1G32	D415	23118094	Diode, EU2A, LF-F10
QX11	23906318	IC, ADS932E	D418	23316749	Diode, Zener, MTZJ30A
QX12	23906318	IC, ADS932E	D419	23316691	Diode, Zener, MTZJ10C
QX15	23314345	Transistor, IMZ1 T108	D420	23316715	Diode, Zener, MTZJ11A
QX16	23314345	Transistor, IMZ1 T108	D421	23316680	Diode, Zener, MTZJ7.5A
QX17	23314345	Transistor, IMZ1 T108	D422	23316726	Diode, Zener, MTZJ15C
QX18	23314345	Transistor, IMZ1 T108	D431	23316670	Diode, Zener, MTZJ5.1C
QX19	A6541130	Transistor, 2SA1162-Y	D432	23316670	Diode, Zener, MTZJ5.1C
QX20	A6030670	IC, TC7S66F	D436	23115599	Diode, 1N4148
QX21	A6030630	IC, TC7S08F	D441	23316687	Diode, Zener, MTZJ9.1B
QX22	23314345	Transistor, IMZ1 T108	D460	23118479	Diode, BYD33J
QX24	23314345	Transistor, IMZ1 T108	D461	23316803	Diode, FMU-G16S
QX25	23000197	IC, SN74AHC2G53H	D461B	70391355	Screw, BITTB3X8 SZN
QX26	A6541130	Transistor, 2SA1162-Y	D463	23115599	Diode, 1N4148
QX27	A6030670	IC, TC7S66F	D464	23316718	Diode, Zener, MTZJ12A
QX29	23314345	Transistor, IMZ1 T108	D466	23316672	Diode, Zener, MTZJ5.6B
QX31	23314345	Transistor, IMZ1 T108	D467	23118479	Diode, BYD33J
QX33	A6541130	Transistor, 2SA1162-Y	D470	23316670	Diode, Zener, MTZJ5.1C
QX34	A6030670	IC, TC7S66F	D474	23316719	Diode, Zener, MTZJ12B
QX35	23314345	Transistor, IMZ1 T108	D488	23115599	Diode, 1N4148
QX37	A6335470	Transistor, 2SC2712-Y	D490	23115599	Diode, 1N4148
QX38	A6335470	Transistor, 2SC2712-Y	D498	23316745	Diode, Zener, MTZJ27A
QX39	A6335470	Transistor, 2SC2712-Y	D499	23115599	Diode, 1N4148
QX41	A6335470	Transistor, 2SC2712-Y	D501	23115599	Diode, 1N4148
QX42	A6335470	Transistor, 2SC2712-Y	D506	23316673	Diode, Zener, MTZJ5.6C
QX44	A6335470	Transistor, 2SC2712-Y	D507	23357037	Diode, Zener, UDVSTE175.6B
QX45	A6335470	Transistor, 2SC2712-Y	D508	23357037	Diode, Zener, UDVSTE175.6B
QX47	A6335470	Transistor, 2SC2712-Y	D509	23357037	Diode, Zener, UDVSTE175.6B
QX48	A6335470	Transistor, 2SC2712-Y	D511	23357037	Diode, Zener, UDVSTE175.6B
QX50	B0485484	IC, TC74HCT541AF	D512	23357037	Diode, Zener, UDVSTE175.6B
QX51	23906770	IC, BA033FP-E2	D513	23357037	Diode, Zener, UDVSTE175.6B
QX52	A6030695	IC, TC7SH32FU(BR	D611	23115599	Diode, 1N4148
QX53	A6030695	IC, TC7SH32FU(BR	D612	23115599	Diode, 1N4148
QX54	A6004010	Transistor, RN1401	D613	23115599	Diode, 1N4148
QX55	B0370000	IC, TC78L05F	D614	23115599	Diode, 1N4148
QX56	A6541130	Transistor, 2SA1162-Y	D624	23115599	Diode, 1N4148
QX57	A6004010	Transistor, RN1401	D625	23115599	Diode, 1N4148
QX58	A6004010	Transistor, RN1401	D626	23115599	Diode, 1N4148
QZ01	B0410895	IC, TC90A49P	D627	23115599	Diode, 1N4148
QZ02	A6335470	Transistor, 2SC2712-Y	D628	23115599	Diode, 1N4148
QZ04	A6541130	Transistor, 2SA1162-Y	D630	23115599	Diode, 1N4148
QZ05	A6541130	Transistor, 2SA1162-Y	D640	23115599	Diode, 1N4148
QZ07	A6541130	Transistor, 2SA1162-Y	D641	23115599	Diode, 1N4148

Location No.	Part No.	Description	Location No.	Part No.	Description
D642	23115599	Diode, 1N4148			Orange
D643	23115599	Diode, 1N4148	DB30	23115599	Diode, 1N4148
D647	23115599	Diode, 1N4148	DD89	23118310	Diode, Zener, RD5.6M-T1B2
D648	23115599	Diode, 1N4148	DF01	23316654	Diode, Zener, MTZJ3.0A
D670	23115599	Diode, 1N4148	DF02	23115599	Diode, 1N4148 (32DZ98G)
D671	23115599	Diode, 1N4148	DG02	23316711	Diode, S1WBA60, 4101 (32DZ98G)
D674	23115599	Diode, 1N4148	DG03	23118479	Diode, BYD33J (32DZ98G)
D675	23115599	Diode, 1N4148	DG10	23118479	Diode, BYD33J (32DZ98G)
D683	23115599	Diode, 1N4148	DG11	23316746	Diode, Zener, MTZJ27B (32DZ98G)
D704	23115599	Diode, 1N4148	DG12	23316672	Diode, Zener, MTZJ5.6B (32DZ98G)
D705	23115599	Diode, 1N4148	DG13	23316746	Diode, Zener, MTZJ27B (32DZ98G)
D715	23115599	Diode, 1N4148	DG21	23118479	Diode, BYD33J (32DZ98G)
D721	23115599	Diode, 1N4148	DG25	23118052	Diode, RU4Z LF-L1 (32DZ98G)
D801	23357041	Diode, LN6SB60-F05	DG27	23316673	Diode, Zener, MTZJ5.6C (32DZ98G)
D804	23316725	Diode, Zener, MTZJ15B	DR01	23115599	Diode, 1N4148
D805	23316553	Diode, 1SS145	DR02	23115599	Diode, 1N4148
D806	23118479	Diode, BYD33J	DR02	23316557	Diode, HSM221C, TL
D810	23316738	Diode, Zener, MTZJ22B	DR03	23115599	Diode, 1N4148
D811	23115599	Diode, 1N4148	DR03	23118351	Diode, Zener, RD4.7M-T1BB2
D815	23316746	Diode, Zener, MTZJ27B	DV01	23115599	Diode, 1N4148
D817	23115599	Diode, 1N4148	DV14	23118296	Diode, Zener, RD9.1M-T1BB2
D818	23316738	Diode, Zener, MTZJ22B			
D819	23316678	Diode, Zener, MTZJ6.8B			
D828	23115599	Diode, 1N4148			
D836	23316673	Diode, Zener, MTZJ5.6C			
D841	23115599	Diode, 1N4148(32DZ98G)			
D842	23316724	Diode, Zener, MTZJ15A			
D844	23316717	Diode, Zener, MTZJ11C			
D848	23316675	Diode, Zener, MTZJ6.2B (32DD08B)			
D855	23115599	Diode, 1N4148	B221	23037312	Screw, BTBW 3X12 SZN
D871	23118479	Diode, BYD33J	B223	23038412	Screw, BTB 4X12 SZN
D883	23316406	Diode, FML-G16S	B224	23037312	Screw, BTBW 3X12 SZN
D883B	70391355	Screw, BITTB3X8 SZN	BB10	23368627	Plug, 8P
D885	23316642	Diode, YG911S2R	BB10A	23903022	Socket, 8P
D885B	70391355	Screw, BITTB3X8 SZN	BB10B	23903022	Socket, 8P
D891	23357020	Diode, SF5S4	BB11	23368627	Plug, 8P
D891B	70391355	Screw, BITTB3X8 SZN	BB11A	23903022	Socket, 8P
D892	23316184	Diode, FML-G12S	BB11B	23903022	Socket, 8P
D892B	70391355	Screw, BITTB3X8 SZN	BB12	23368627	Plug, 8P
D893	23316673	Diode, Zener, MTZJ5.6C	BB12A	23903022	Socket, 8P
D894	23316673	Diode, Zener, MTZJ5.6C	BB12B	23903022	Socket, 8P
D896	23118479	Diode, BYD33J	BB14	23368627	Plug, 8P
D901	23115599	Diode, 1N4148	BB14A	23903022	Socket, 8P
D904	23115599	Diode, 1N4148	BB14B	23903022	Socket, 8P
D905	23115599	Diode, 1N4148	BB15	23368627	Plug, 8P
D906	23115599	Diode, 1N4148	BB15A	23903022	Socket, 8P
D907	23115599	Diode, 1N4148	BB15B	23903022	Socket, 8P
D908	23115599	Diode, 1N4148	BB16	23368627	Plug, 8P
D909	23115599	Diode, 1N4148	BB16A	23903022	Socket, 8P
D911	23118479	Diode, BYD33J	BB16B	23903022	Socket, 8P
D912	23115599	Diode, 1N4148	△F470	23144503	Fuse, 1.25A, 250V
D4222	23316744	Diode, Zener, MTZJ24D	F470A	23165433	Holder, Fuse
D4223	23115532	Diode, ERB12-01	△F801	23144508	Fuse, 4.0A, 250V
D4410	23115599	Diode, 1N4148	F801A	23165433	Holder, Fuse
D4411	23115599	Diode, 1N4148	△F802	23144506	Fuse, 2.5A, 250V
D4412	23115599	Diode, 1N4148	F802A	23165433	Holder, Fuse
DA02	23115599	Diode, 1N4148	F889	23144458	Fuse, 5.0A, 250V
DA03	23115599	Diode, 1N4148	F889A	23165433	Holder, Fuse
DA42	23115599	Diode, 1N4148	G299	24366103	CF, 10k ohm
DB01	23358505	Diode (LED), SLR56VC196F	G306	24366562	CF, 5600 ohm
DB02	23358503	Diode (LED), SCL003MC3FX	G312	24366472	CF, 4700 ohm
DB03	23358503	Diode (LED), SCL003MC3FX	G337	24366153	CF, 15k ohm
DB04	23358515	Diode (LED), SCL003DC3FXG,	G401	23103859	Coil (Ferrite Bead), TEM2011
			G402	23103859	Coil (Ferrite Bead), TEM2011
			G403	23103859	Coil (Ferrite Bead), TEM2011

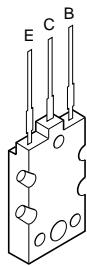
Location No.	Part No.	Description	Location No.	Part No.	Description
G404	23103859	Coil (Ferrite Bead), TEM2011	GV04	23103832	Chip (Ferrite Bead), TEM2125M
G430	23115532	Diode, ERB12-01E	GV05	24872101	Chip, 100 ohm, 1/16W
G465	23316672	Diode, Zener, MTZJ5.6B	GV06	23103832	Chip (Ferrite Bead), TEM2125M
G484	24591152	PF, 1500pF	GV07	24000824	Chip Jumper, 2125Type
G510	23289838	Coil, Peaking, TRF44R7AT	GV08	24000824	Chip Jumper, 2125Type
G527	24567104	PF, 0.1μF	GV11	24000824	Chip Jumper, 2125Type
G528	24567104	PF, 0.1μF	GV35	24872101	Chip, 100 ohm, 1/16W
G529	24567104	PF, 0.1μF	GV41	24872102	Chip, 1k ohm, 1/16W
G638	24366222	CF, 2200 ohm	KB01	23904946	Remote Sensor, RPM-676CBR-S
G684	23115599	Diode, 1N4148	P004	23161702	Terminal, 8P
G824	23222694	Coil, Choke, TLN2026	P402A	23902213	Socket, B-B, 10P
G911	23289846	Coil, Peaking, TRF4101AT	P402B	23368130	Plug, B-B,10P
GA82	24085981	EL, 10μF, ±20%, 16V, Non-Polar(32ZD08G)	P403A	23902213	Socket, B-B, 10P
GC09	23261959	Coil, Choke, TRF9240	P403B	23368130	Plug, B-B,10P
GC11	23261959	Coil, Choke, TRF9240	P501A	23902650	Socket, B-B, 13P
GF20	24000824	Chip Jumper, 2125Type (32ZD08G)	P501B	23367722	Plug, B-B,13P
GF21	24000824	Chip Jumper, 2125Type (32ZD08G)	P502A	23902655	Socket, B-B, 15P
GF22	24000824	Chip Jumper, 2125Type (32ZD08G)	P502B	23367724	Plug, B-B,15P
GF23	24000824	Chip Jumper, 2125Type (32ZD08G)	P512A	23902863	Socket, 20P
GF24	24000824	Chip Jumper, 2125Type (32ZD08G)	P512B	23368520	Plug, B-B, 20P
GF25	24000824	Chip Jumper, 2125Type (32ZD08G)	P513A	23902863	Socket, 20P
GF26	24000824	Chip Jumper, 2125Type (32ZD08G)	P513B	23368520	Plug, B-B, 20P
GF27	24000824	Chip Jumper, 2125Type (32ZD08G)	P661	23363607	Jack, Headphone
GF28	24000824	Chip Jumper, 2125Type (32ZD08G)	△P801	23372052	Power Cord (32ZD08G)
GF29	24000824	Chip Jumper, 2125Type (32ZD08G)	△P801	23372151	Power Cord (32ZD08B)
GF30	24000824	Chip Jumper, 2125Type (32ZD08G)	PD04	23364092	Jack, Pin(Orange)
GF50	24000824	Chip Jumper, 2125Type (32ZD08G)	PD05	A5812240	IC, Optic Receiver, TORX176
GG11	23103859	Coil (Ferrite Bead), TEM2011 (32ZD08G)	PF01	23902655	Socket, B-B, 15P
GJ02	24000824	Chip Jumper, 2125Type (32ZD08B)	PF01A	23367724	Plug, B-B,15P
GJ03	24000824	Chip Jumper, 2125Type (32ZD08G)	PH01	23902604	Socket, 21P
GJ04	24000824	Chip Jumper, 2125Type (32ZD08G)	PH02	23902604	Socket, 21P
GJ07	24000824	Chip Jumper, 2125Type (32ZD08B)	PH03	23902604	Socket, 21P
GJ09	24000824	Chip Jumper, 2125Type (32ZD08B)	PX01A	23902655	Socket, B-B, 15P
GJ10	24000824	Chip Jumper, 2125Type (32ZD08B)	PX01B	23367724	Plug, B-B,15P
GJ14	24000824	Chip Jumper, 2125Type	PX02A	23902781	Socket, B-B, 12P
GJ15	24000824	Chip Jumper, 2125Type	PX02B	23368531	Plug, B-B, 12P
GJ16	24000824	Chip Jumper, 2125Type	S601	23145355	Switch, Slide, 4C-2P
GJ17	24000824	Chip Jumper, 2125Type	S631	23145412	Switch, Slide, 2C2P
GJ22	24000824	Chip Jumper, 2125Type	△S801	23344416	Switch, Power
GJ23	24000824	Chip Jumper, 2125Type	SA01	23145430	Switch, Push, 1C1P
GJ30	24000824	Chip Jumper, 2125Type	SA02	23145430	Switch, Push, 1C1P
GS01	24000824	Chip Jumper, 2125Type	SA03	23145430	Switch, Push, 1C1P
GV03	23103832	Chip (Ferrite Bead), TEM2125M	SA04	23145430	Switch, Push, 1C1P
			SA05	23145430	Switch, Push, 1C1P
			SA06	23145430	Switch, Push, 1C1P
			△SR82	23146572	Relay, DC5V, DG5D1-O(M)-2 (32ZD08G)
			△SR83	23146570	Relay, DC12V
			△V901A	23903027	Socket, CRT, 8P
			W661	23351116	Speaker, SPK-1382, 60X120mm, 8 ohm
			W662	23351116	Speaker, SPK-1382, 60X120mm, 8 ohm
			W663	23351107	Speaker, SPK-1374, 60X120mm, 8 ohm
			W664	23351107	Speaker, SPK-1374, 60X120mm, 8 ohm
			X4401	23153721	Ceramic Resonator, 503kHz, TCR1023
			X501	23153438	Crystal, 16.200MHz
			XA01	23153497	Crystal, 16.0 MHz (32ZD08B)

Location No.	Part No.	Description	Location No.	Part No.	Description
XA03	23153394	Crystal, 16.000000MHz (32ZD08G)			
XF01	23153421	Crystal, 20.48MHz			
XF02	23153394	Crystal, 16.000000MHz (32ZD08G)			
Z420	23144539	Protector, PRF20005491, 125V, 2A			
Z871	23144543	Protector, PRF50005491, 125V, 5A			
Z890	23144543	Protector, PRF50005491, 125V, 5A			
Z891	23144543	Protector, PRF50005491, 125V, 5A			
Z894	23144539	Protector, PRF20005491, 125V, 2A			
Z896	23144539	Protector, PRF20005491, 125V, 2A			
Z897	23144539	Protector, PRF20005491, 125V, 2A (32ZD08G)			
Z897	23144536	Protector, PRF10005491, 125V, 1A (32ZD08B)			
Z898	23144539	Protector, PRF20005491, 125V, 2A			
ZG01	23144450	Protector, PRF2000F008 (32ZD08G)			
ZX101	23103852	Filter, TEM2028AH			
ZX201	23103823	Filter, TEM2027D			
ZX202	23103823	Filter, TEM2027D			
ZX321	23103823	Filter, TEM2027D			
ZX341	23103823	Filter, TEM2027D			
ZX361	23103823	Filter, TEM2027D			
ZX401	23303181	Filter, TEM1012N			
ZX402	23303181	Filter, TEM1012N			
PC BOARD ASSEMBLIES					
* U102A		BACK-T/AV Board, PB9509A-1			
* U102B		DIGITAL-IN Board, PB9509A-2			
* U103		D-COMB Borad, PB9510A			
* U104		EPG-TEXT Borad, PB9511A (32ZD98G)			
* U104		EPG-TEXT Borad, PB9411B (32ZD98B)			
* U105		DFS/VER Borad, PB9512A			
* U901		CRT DRIVE/DSM Borad, PB9513A			
* U902		SIGNAL Borad, PB9514A (32ZD98G)			
* U902		SIGNAL Borad, PB9514B (32ZD98B)			
* U903		Power Borad, PB9515A (32ZD98G)			
* U903		Power Borad, PB9515B (32ZD98B)			
* U904		DEF Borad, PB9516A			
* U905		EW100Hz Borad, PB9517A			
* U906A		CONT-1 Borad, PB9518A-1 (32ZD98G)			
* U906A		CONT-1 Borad, PB9518B-1 (32ZD98B)			
* U906B		CONT-2 Borad, PB9518A-2 (32ZD98G)			
* U906B		CONT-2 Borad, PB9518B-2 (32ZD98B)			
PICTURE TUBE					
△ V901	23312874	Picture Tube, W76ERF031X044			
TUNER					
H001	23321344	Tuner, EGA22LWX1 (32ZD08G)			
H001	23321345	Tuner, UF822BLW(32ZD08B)			
ACCESSORIES					
K902	23306364	Remote Hand Unit, CT-90041 (32ZD08G)			
K902	23306365	Remote Hand Unit, CT-90042 (32ZD08B)			
AT03	23588265	Battery Cover			
Y101	23563926	Owner's Manual, English, 32ZD08G			
Y101	23563946	Owner's Manual, English, 32ZD08B			
Y102	23563927	Owner's Manual, French, 32ZD08G			
Y102	23561801	Warranty (32ZD08B)			
Y103	23563928	Owner's Manual, German, 32ZD08G			
Y104	23563929	Owner's Manual, Itarian, 32ZD08G			
Y105	23563930	Owner's Manual, Spanish, 32ZD08G			
CABINET PARTS					
A214	23035412	Screw, BTB4X12SZN			
A215	23035412	Screw, BTB4X12SZN			
A241	70368125	Push Catch for Door			
△ A401	23549286	Back Cover			
A701	23525882	Case			

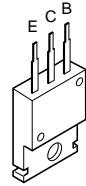
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TERMINAL VIEW OF TRANSISTORS

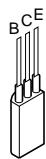
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2SC5243
2SC5570



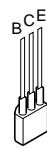
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2SD1763A
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2SA1186A



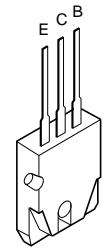
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2SC2482
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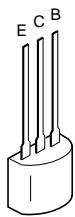
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2SC1815
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2SC1740S
2SC2120
2SA9335



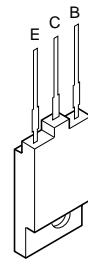
⑤ 2SA1788



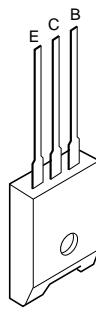
⑥ RN2203
RN2201
RN2004
RN1203
RN1204
RN2204
RN1205
RN1202
RN1201



⑦ 2SD1554
2SD2253
2SD1556
2SC5143
2SD2553



⑧ ON4409



SPECIFICATIONS (Representative: 32ZD08G)

Input Power Rating:	AC 220 ~ 240 Volts, 50 Hz				
Aerial Input Impedance:	75 ohm unbalanced type for VHF, UHF and CATV				
Receiving Channels:	System	Channel	VHF	UHF	CATV
	PAL B/G	CCIR	2 ~ 12	21 ~ 69	S1 ~ S41
	SECAM B/G	CCIR	2 ~ 12	21 ~ 69	S1 ~ S41
	PAL D/K	CHINA	1 ~ 12	13 ~ 57	Z-1 ~ Z-35
	PAL I	UK		21 ~ 69	
	SECAM D/K	OIRT	1 ~ 12	21 ~ 69	X-1 ~ X-19
	SECAM L FRANCE/CCIR		FB ~ F6	21 ~ 69	X ~ Z + 2
	PAL, SECAM 50 Hz/60 Hz (For Video Disk play back)				
	4.43 NTSC (For VCR playback), 3.58 NTSC (For VCR playback)				
Intermediate Frequencies:	Picture I-F carrier frequency 38.9 MHz (L VL) Sound I-F carrier frequency				
	B/G System 33.4 MHz D/K System 32.4 MHz				
Picture Tube:	32 inches, 760 mm (measured on diagonal of viewable picture area) 106° deflection				
Sound Output:	10 W + 10 W (at 10% Distortion, Main), 10 W (at 10% Distortion, Center) 10 W + 10 W (at 10% Distortion, Surround)				
Speakers:	60 mm × 120 mm oval, 2 pcs (Main), 60 mm × 120 mm oval, 2 pcs (Center)				
Aux. Terminals:	21 pin socket (FULL), 21 pin socket (S-VIDEO/AV), MONITOR OUTPUT, STEREO HEADPHONE JACK (3.5mm). DVD Terminal				
Cabinet:	Table type				
Dimensions:	Height 574 mm Width 918 mm Depth 560 mm				
Mass:	60.0 kg				

* Please refer to owner's manual in detail.

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

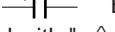
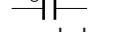
SCHEMATIC DIAGRAM

MODEL : 32ZD08B / 32ZD08G

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

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

NOTE:

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

SCHEMATIC DIAGRAM MODEL : 32ZD08B/32ZD08G

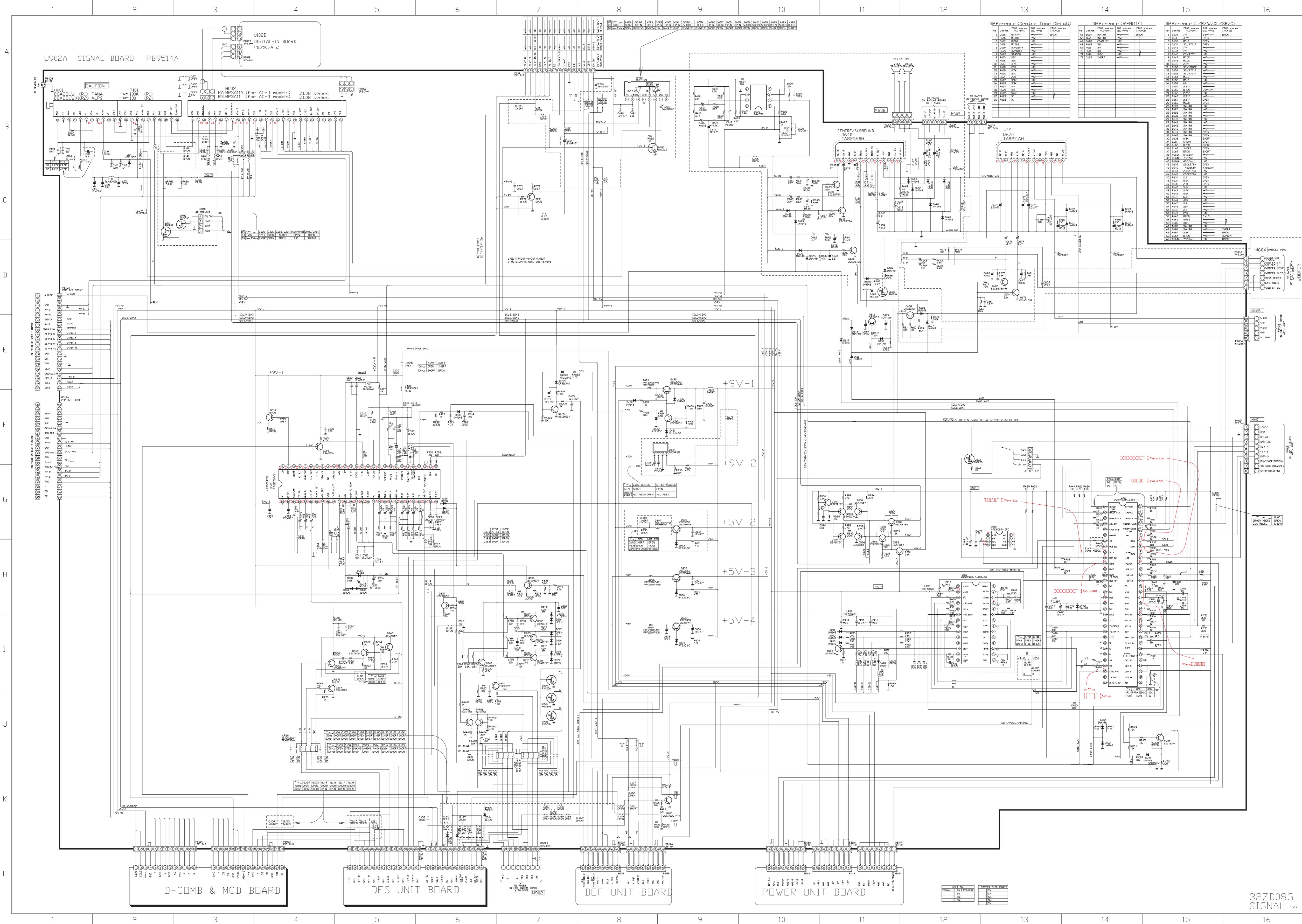
WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION", "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" ON THE MANUAL FOR THIS MODEL.

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

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5. Waveforms are taken receiving color bar signal with enough sensitivity.
6. Voltage reading shown are nominal values and may vary ±20% except H.V.



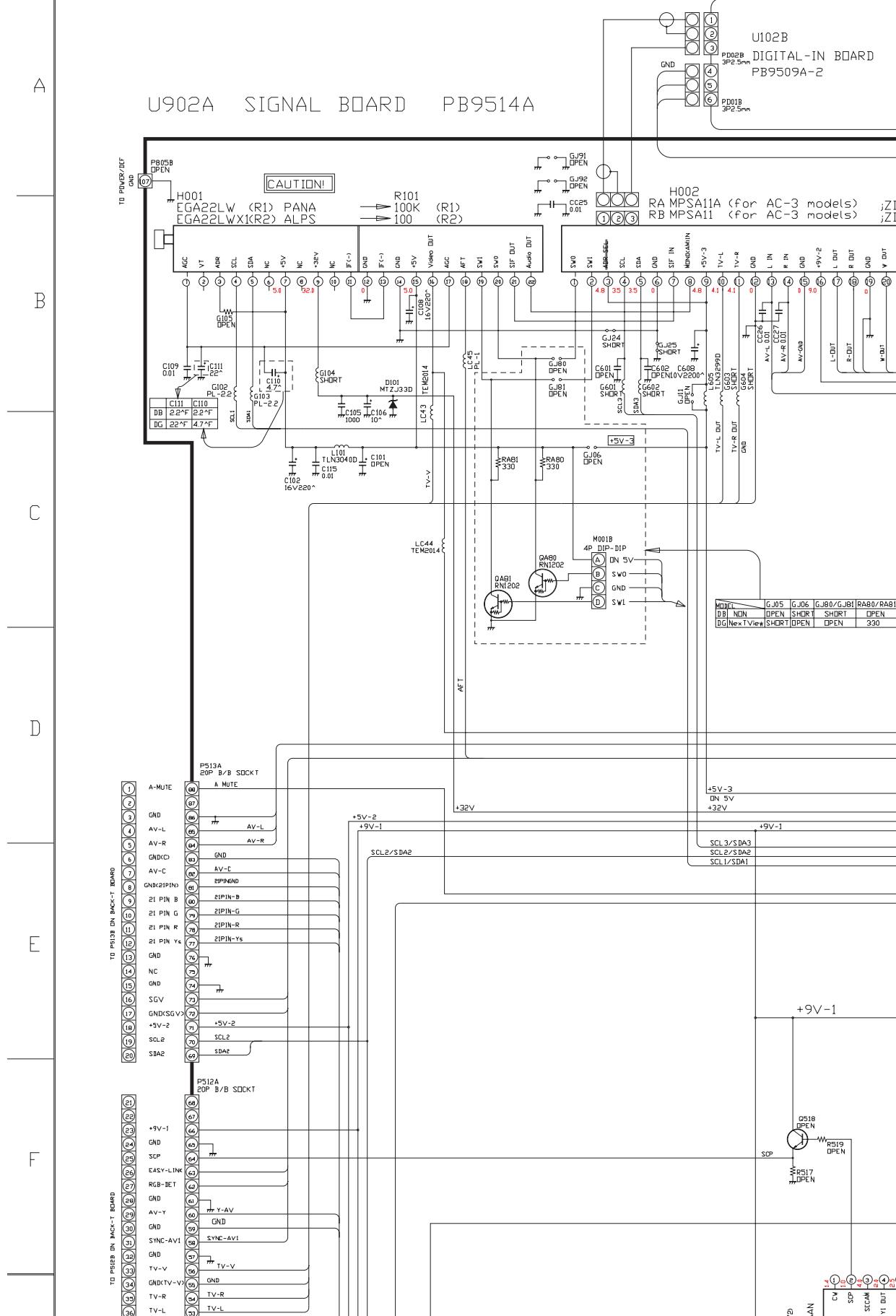
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U902A SIGNAL BOARD PB9514A



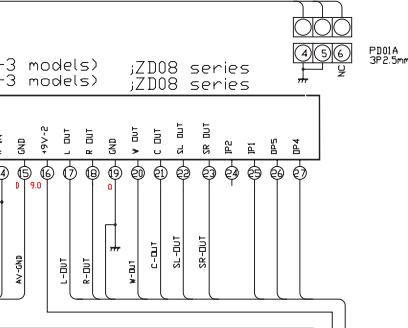
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AL-IN BOARD
09A-2

GJ06	GJ80/GJ81	RA80/RA81	QA80/QA81
SHORT OPEN	OPEN	OPEN	RNI202

+9V-2

+9V-1

+5V-2

+9V-2

+5V-1

+9V-1

+5V-2

2

1

3

4

5

6

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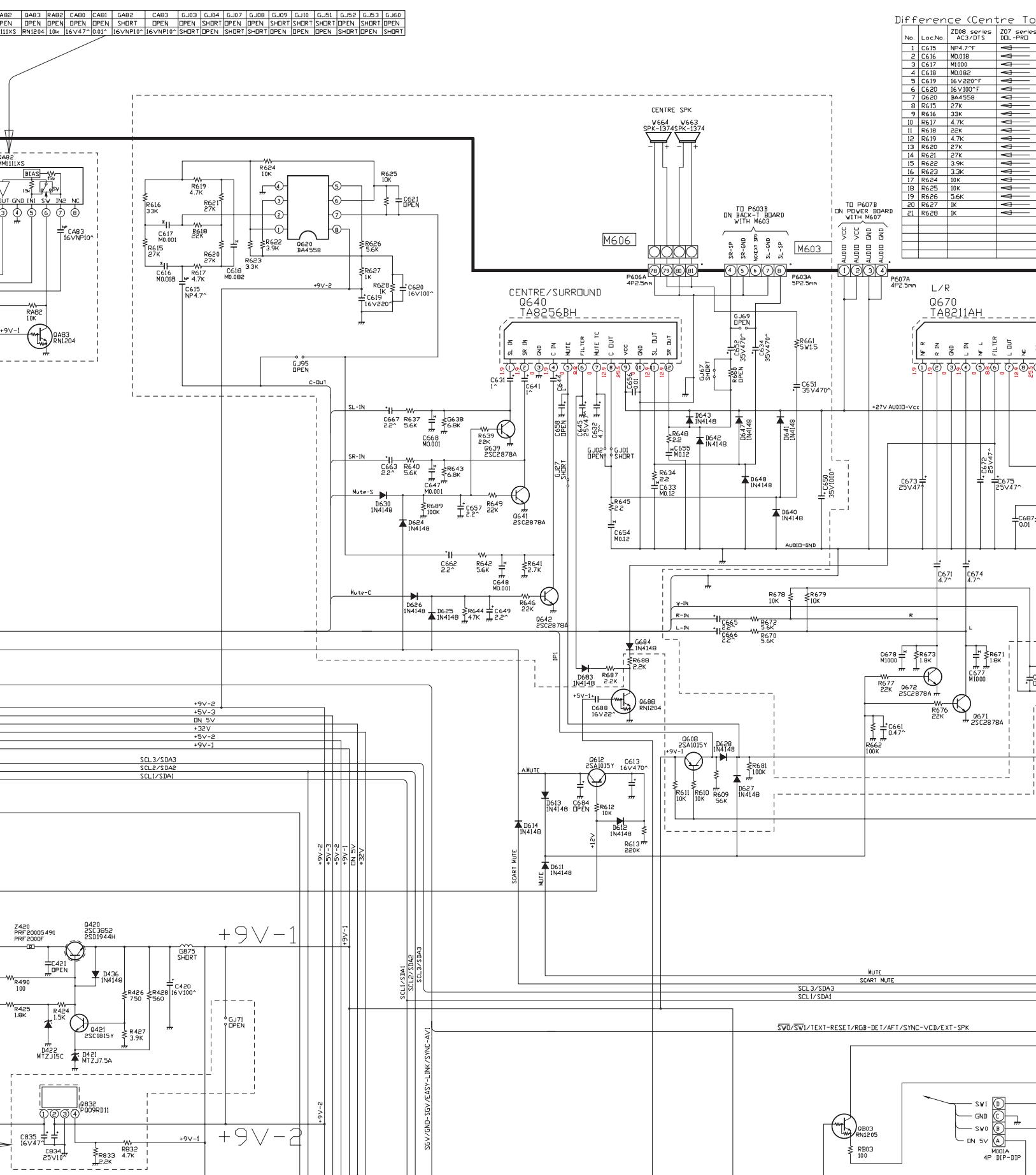
363

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W-MUTE (Centre Tone Circuit)

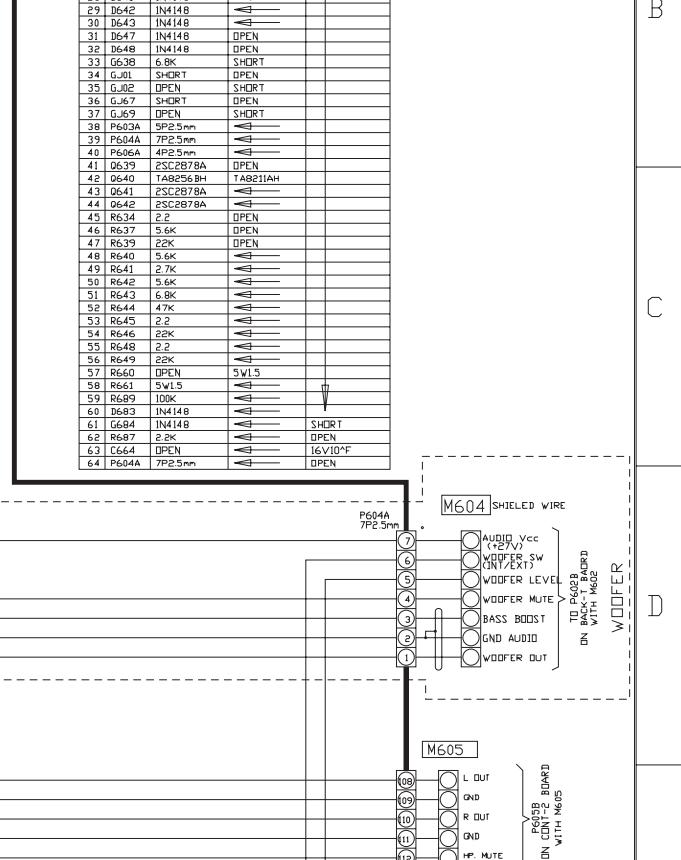
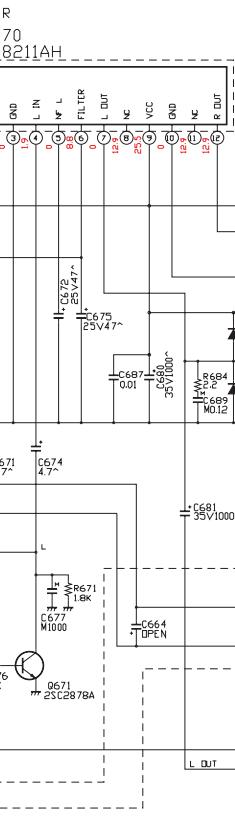
Z008 series AC3/DTS	Z07 series DOL-DTS	Z06 series STEREO
16V4.7°F	OPEN	
M010B		
M010B		
M010B		
16V220°F		
16V100°F		
8A4558		
27K		
33K		
4.7K		
22K		
4.7K		
2.7K		
2.9K		
2.3K		
10K		
10K		
5.6K		
IK		
IK		

Difference (W-MUTE)

No.	Loc.No.	Z008 series AC3/DTS	Z07 series DOL-DTS	Z06 series STEREO
45	D657	IN4148		OPEN
65	D629	IN4148		
67	D608	2SA1015Y		
68	D609	56K		
69	D610	10K		
70	R611	10K		
71	R681	100K		
72	GJ27	SHORT		

Difference (L/R/W/SL/SR/C)

No.	Loc.No.	Z008 series AC3/DTS	Z07 series DOL-DTS	Z06 series STEREO
1	C632	1°F	25V4.7°F	OPEN
2	C651	4.7°F	OPEN	
3	C623	M012	OPEN	
4	C634	25V4.7°F	OPEN	
5	C641	1°F	OPEN	
6	C644	1°F	OPEN	
7	C645	25V4.7°F	OPEN	
8	C647	M0.001	OPEN	
9	C648	M0.001	OPEN	
10	C649	2.2°F	OPEN	
11	C650	35V1000°F	OPEN	
12	C651	35V4.7°F	OPEN	
13	C652	35V4.7°F	OPEN	
14	C654	M012	OPEN	
15	C655	M012	OPEN	
16	C656	0.01	OPEN	
17	C657	2.2°F	OPEN	
18	C658	OPEN	25V4.7°F	
19	C662	2.2°F	OPEN	
20	C663	2.2°F	OPEN	
21	C667	2.2°F	OPEN	
22	C668	M0.001	OPEN	
23	D624	IN4148	OPEN	
24	D625	IN4148	OPEN	
25	D626	IN4148	OPEN	
26	D627	IN4148	OPEN	
27	D640	IN4148	OPEN	
28	D641	IN4148	OPEN	
29	D642	IN4148	OPEN	
30	D643	IN4148	OPEN	
31	D647	IN4148	OPEN	
32	D648	IN4148	OPEN	
33	GJ38	6.8K	SHORT	
34	GJ01	SHORT	OPEN	
35	GJ02	OPEN	SHORT	
36	GJ67	SHORT	OPEN	
37	GJ57	OPEN	SHORT	
38	P604A	7P2.5mm	OPEN	
39	P604A	7P2.5mm	OPEN	
40	P606A	4P2.5mm	OPEN	
41	D639	2SC2878A	OPEN	
42	D640	TAB256-BH	TAB211AH	
43	D641	2SC2878A	OPEN	
44	D642	2SC2878A	OPEN	
45	R634	2.2	OPEN	
46	R637	5.6K	OPEN	
47	R639	22K	OPEN	
48	R640	5.6K	OPEN	
49	R641	2.7K	OPEN	
50	R642	5.6K	OPEN	
51	R643	6.8K	OPEN	
52	R644	4.7K	OPEN	
52	R645	2.2	OPEN	
54	R646	22K	OPEN	
55	R648	2.2	OPEN	
56	R649	22K	OPEN	
57	R660	OPEN	5V1.5	
58	R661	5V1.5	OPEN	
59	R689	100K	OPEN	
60	D683	IN4148	OPEN	
61	D684	IN4148	SHORT	
62	R687	2.2K	OPEN	
63	C664	OPEN	16V10°F	
64	P604A	7P2.5mm	OPEN	

R
70
8211AH

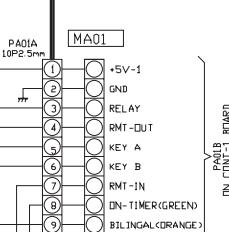
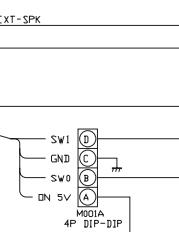
A

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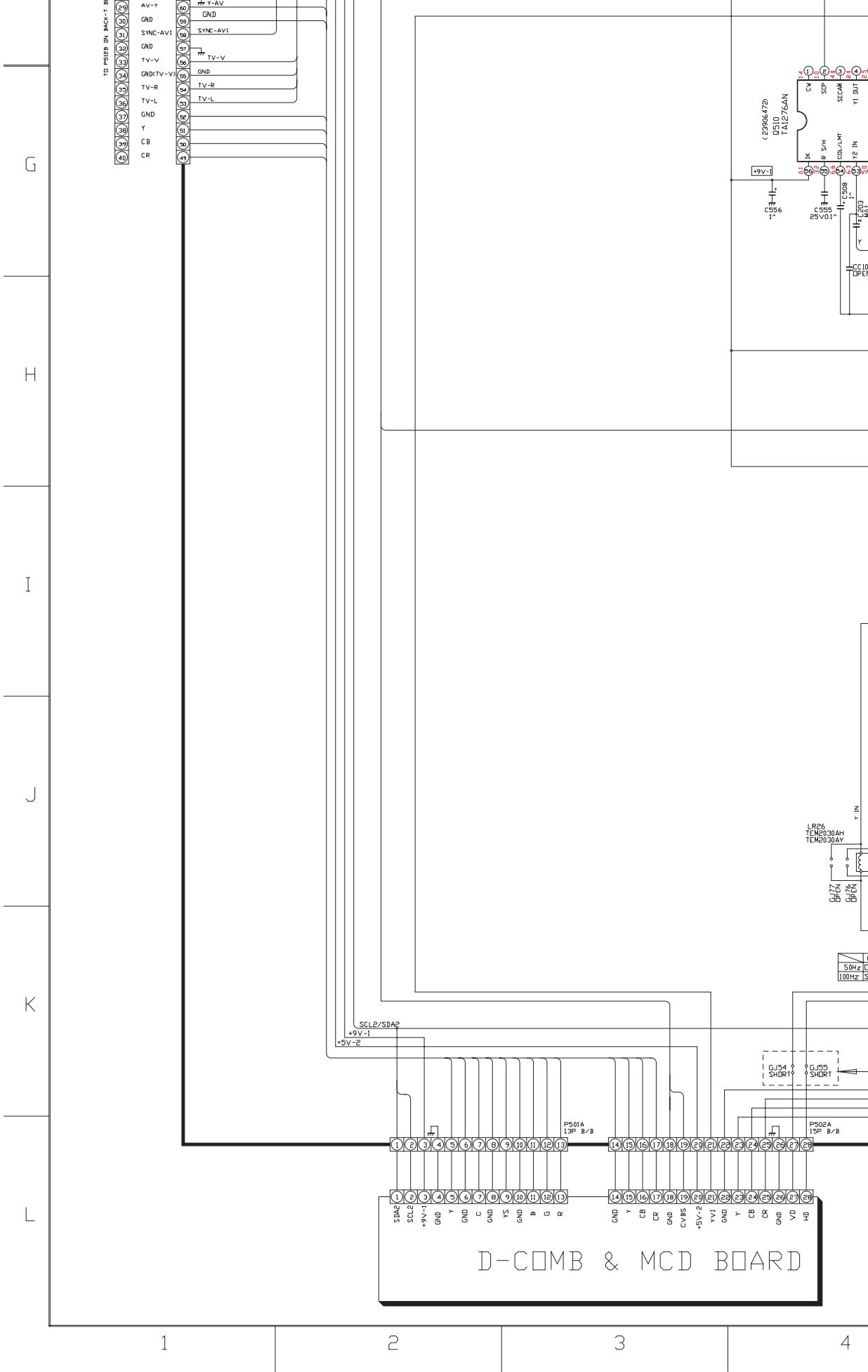
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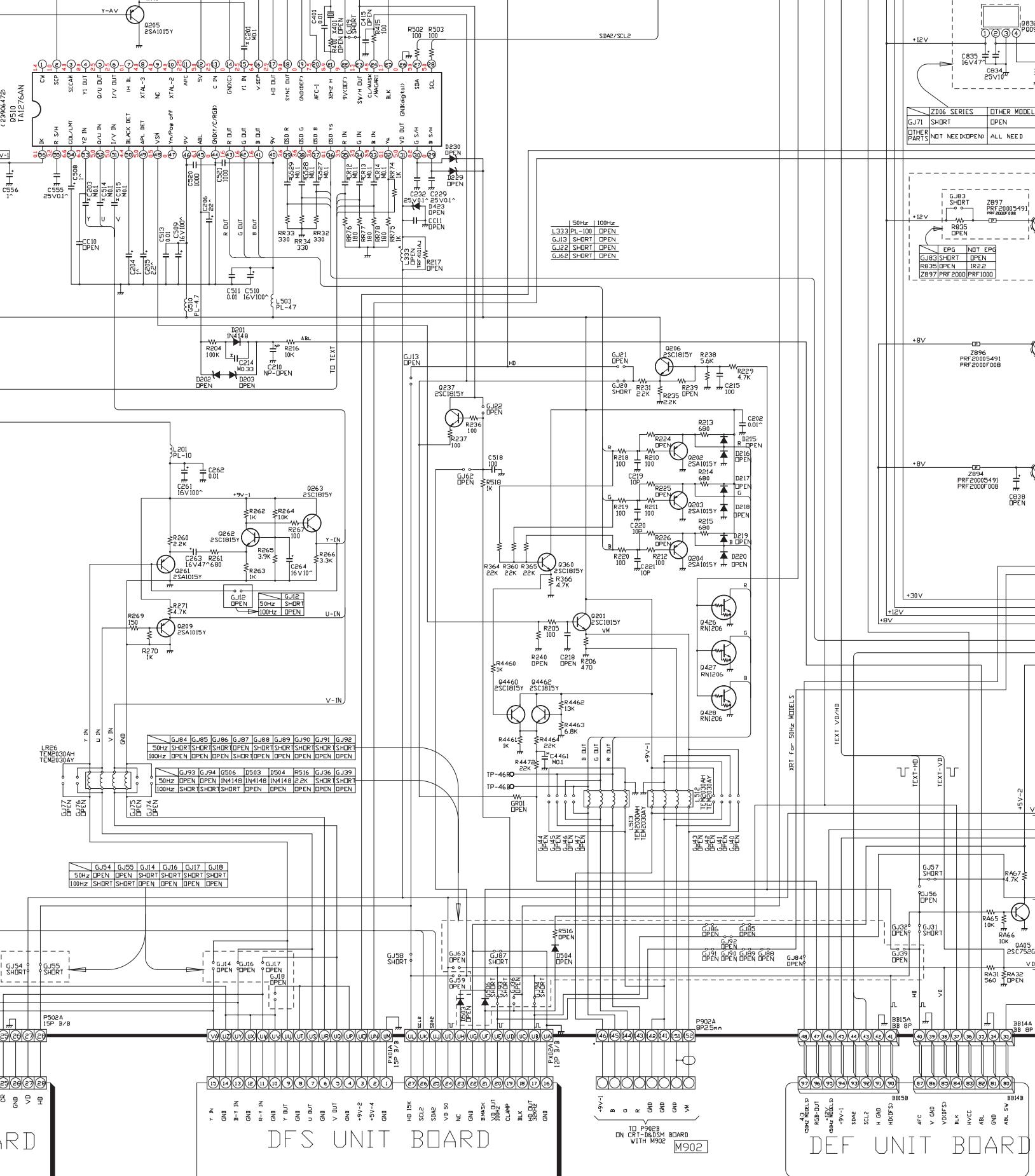
XT-SPK

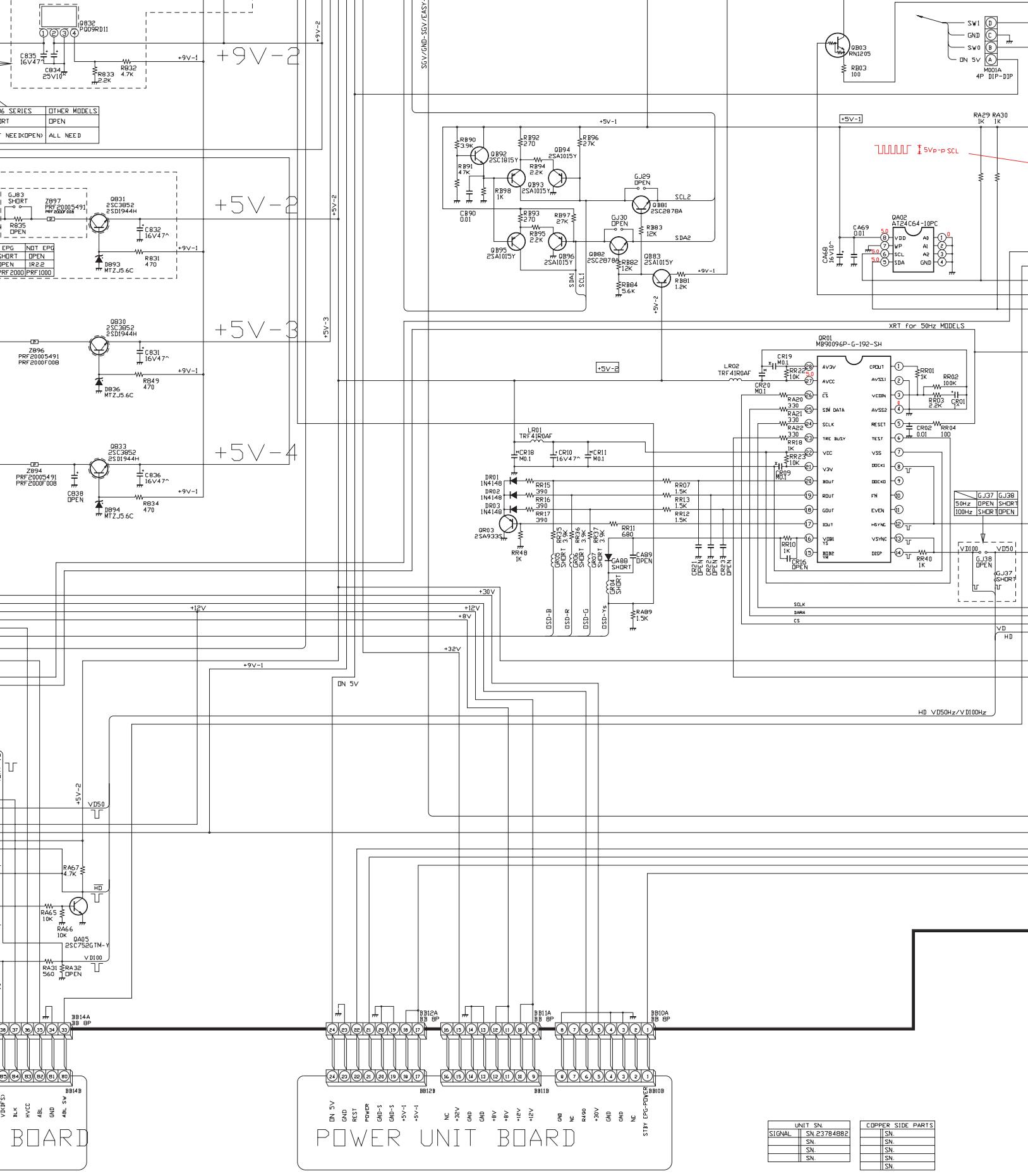


E

F







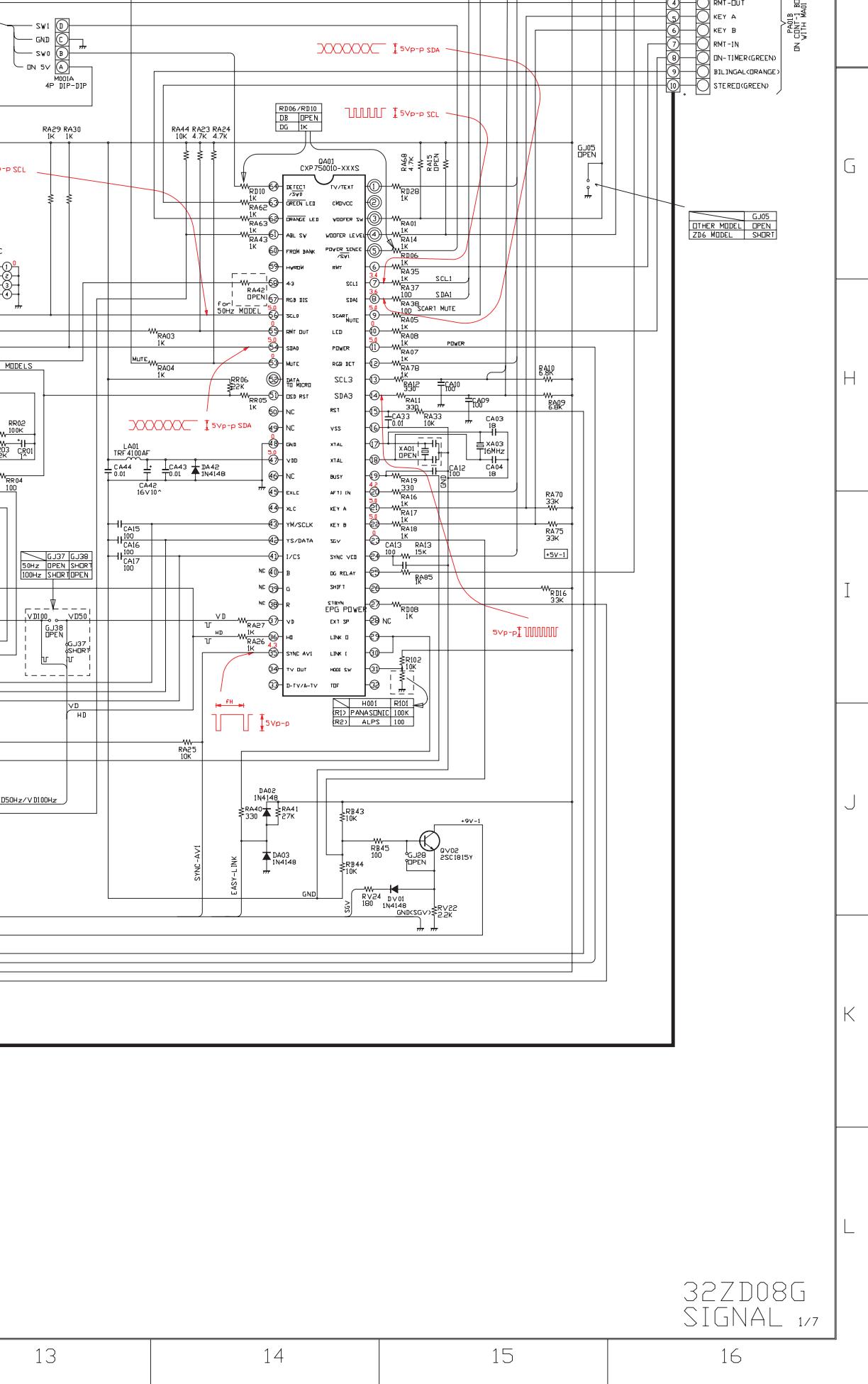
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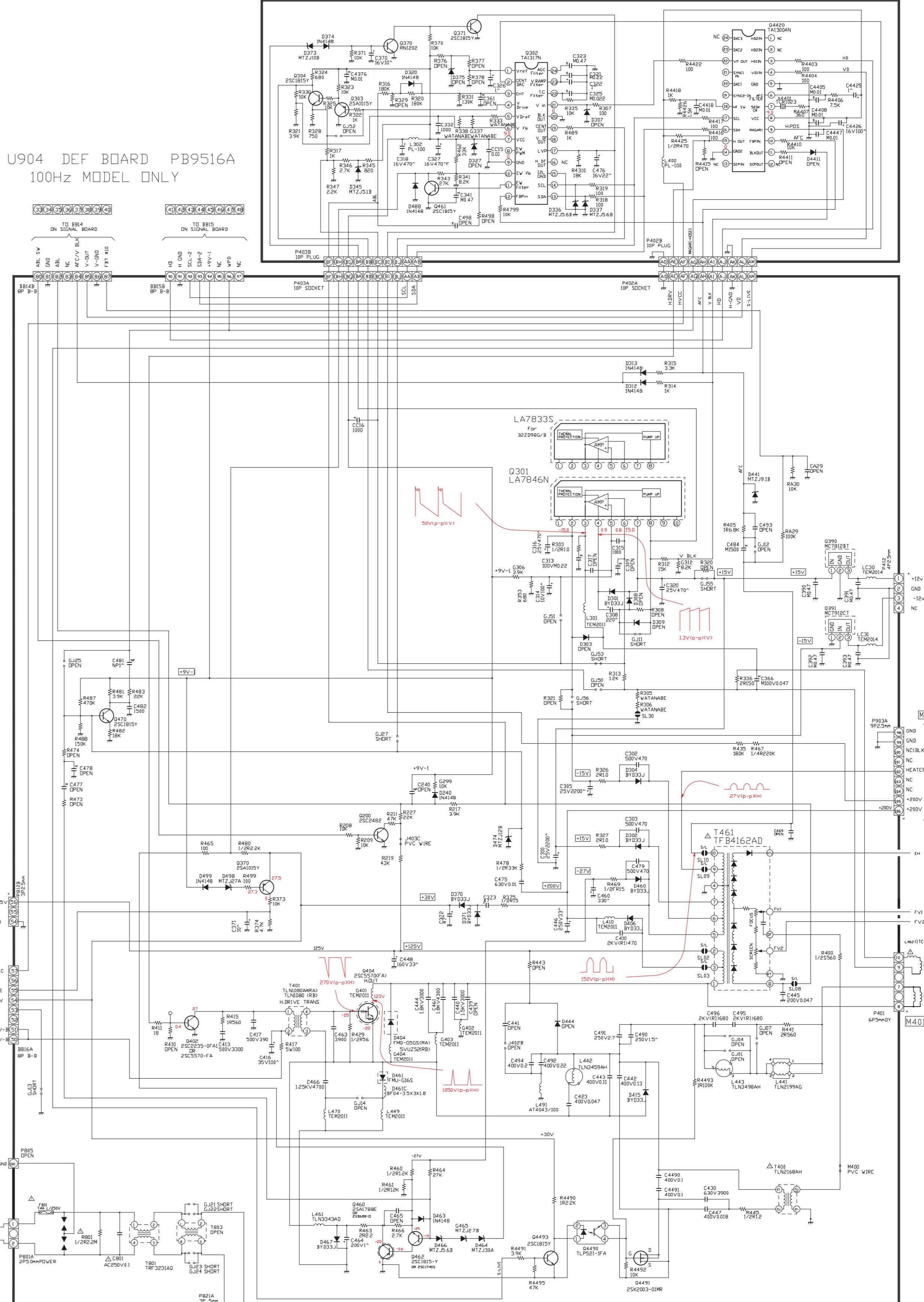
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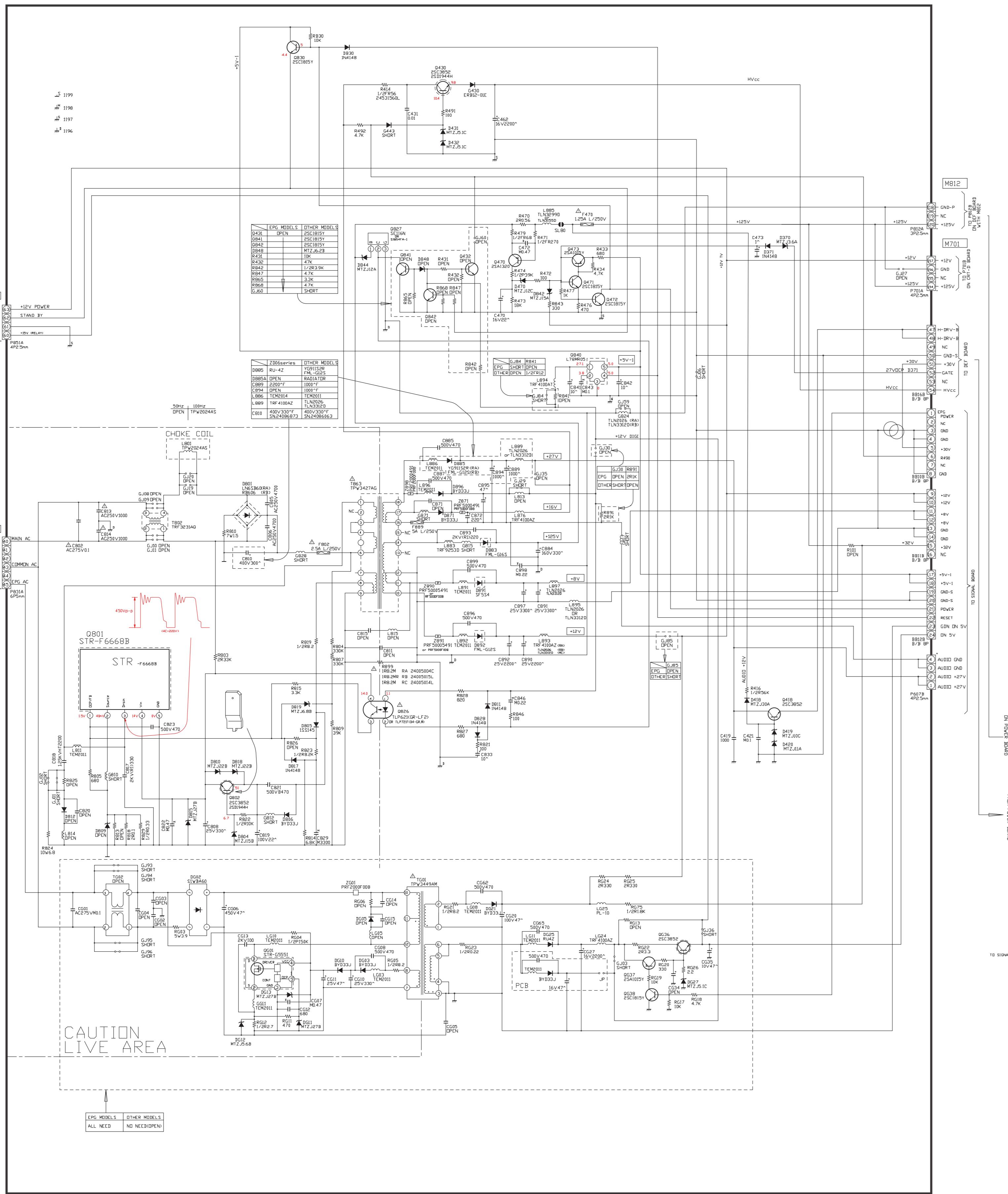
32ZD08G
SIGNAL 1/7

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

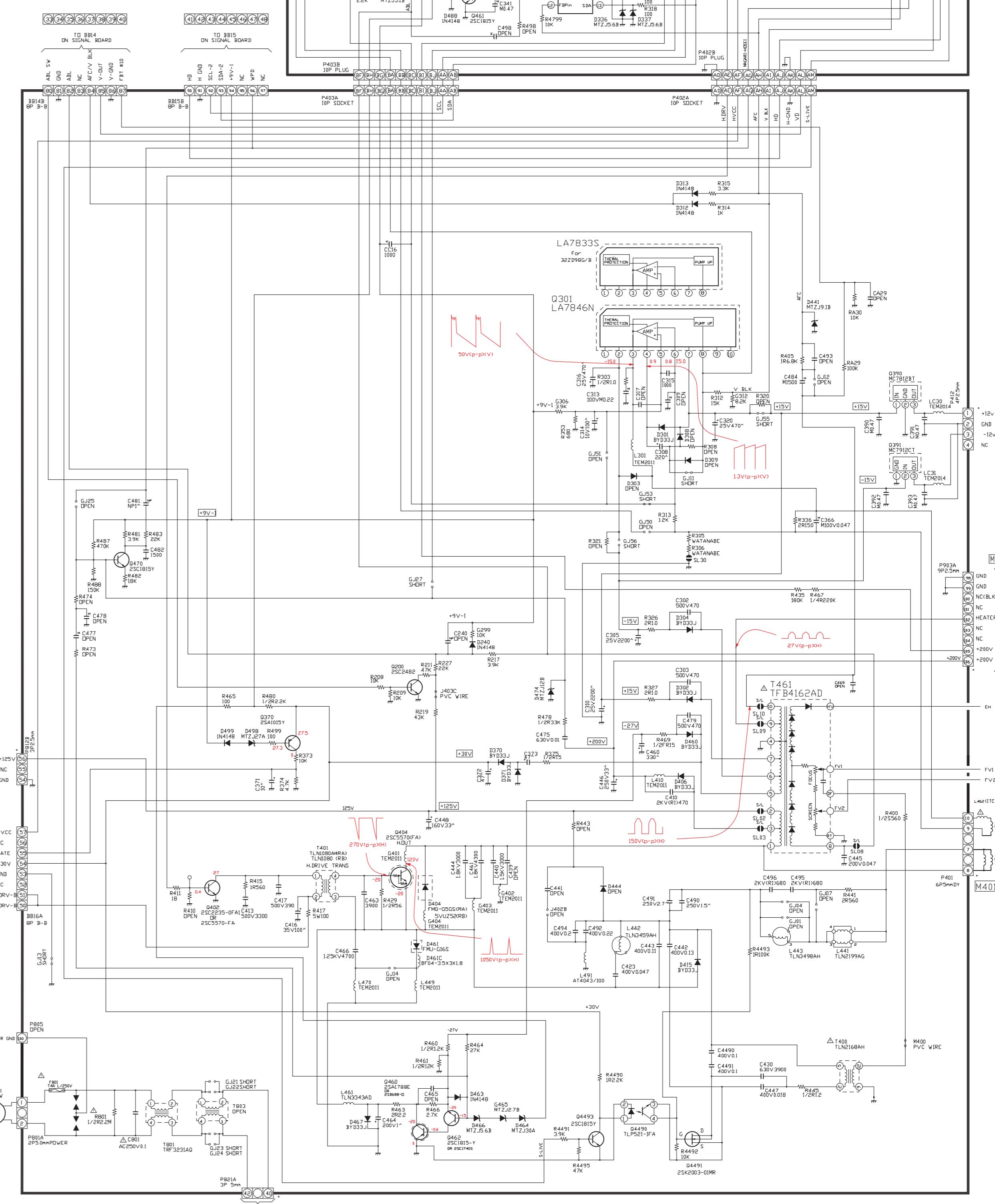
U905 EW100Hz BOARD PB9517A



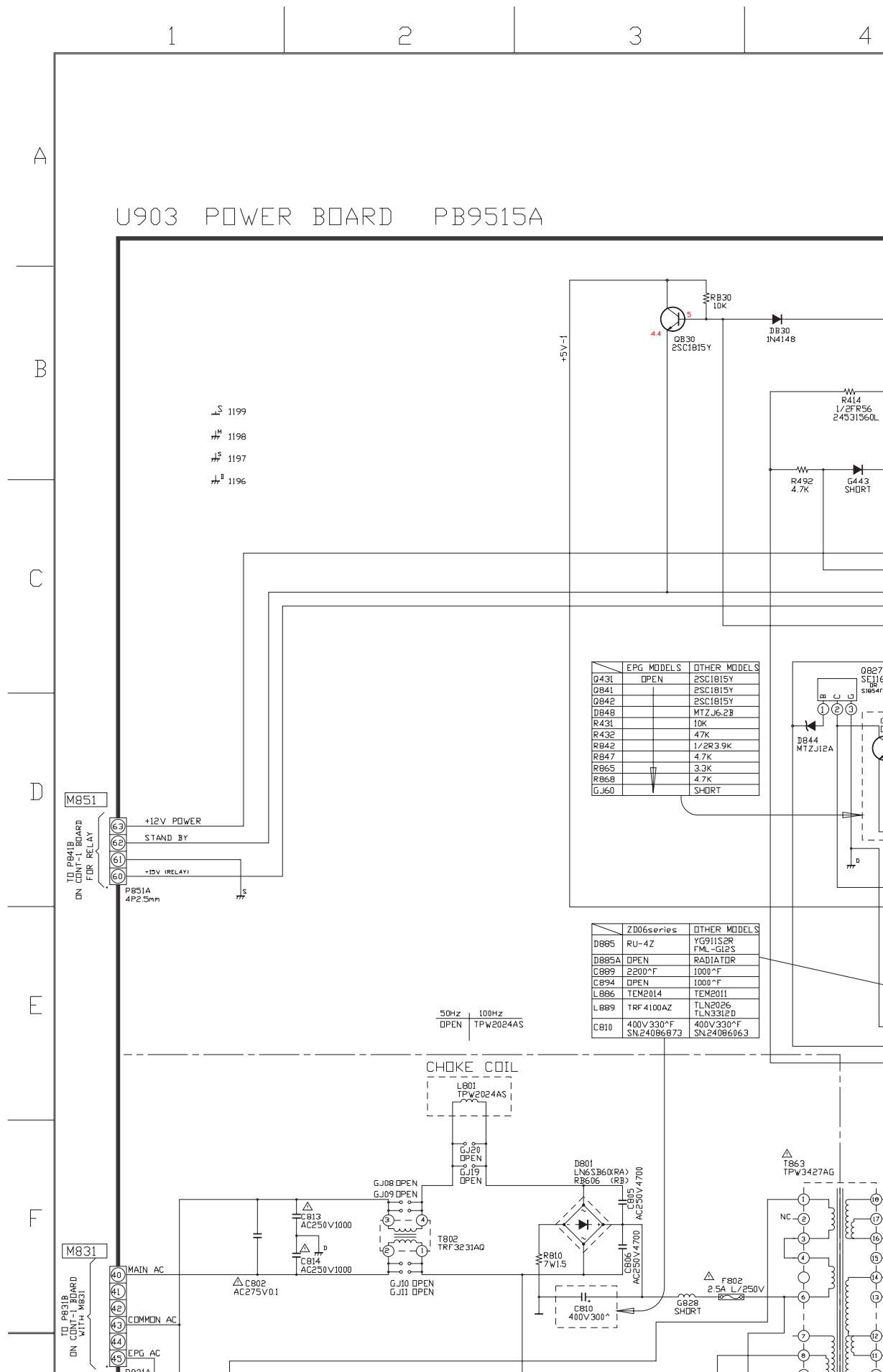
U903 POWER BOARD PB9515A

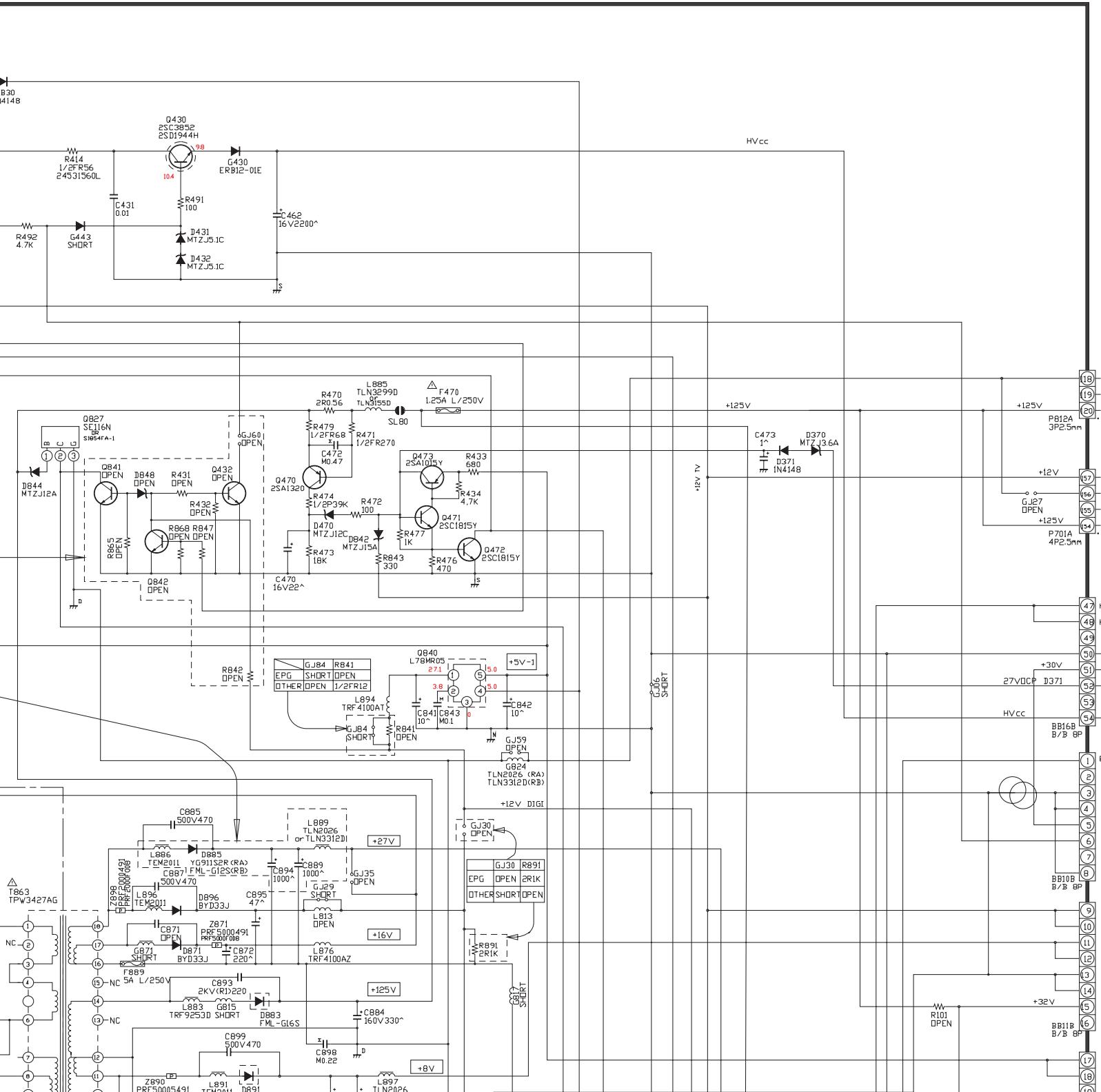


U904 DEF BOARD PB9516A
100Hz MODEL ONLY

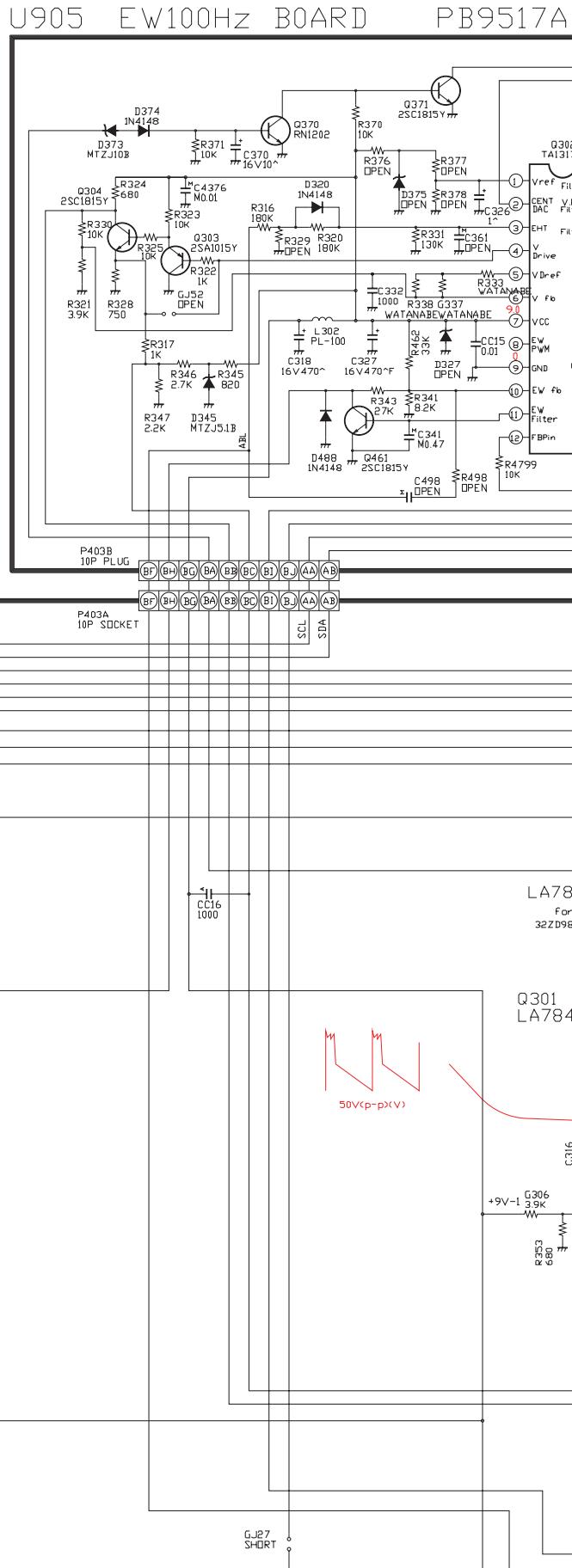
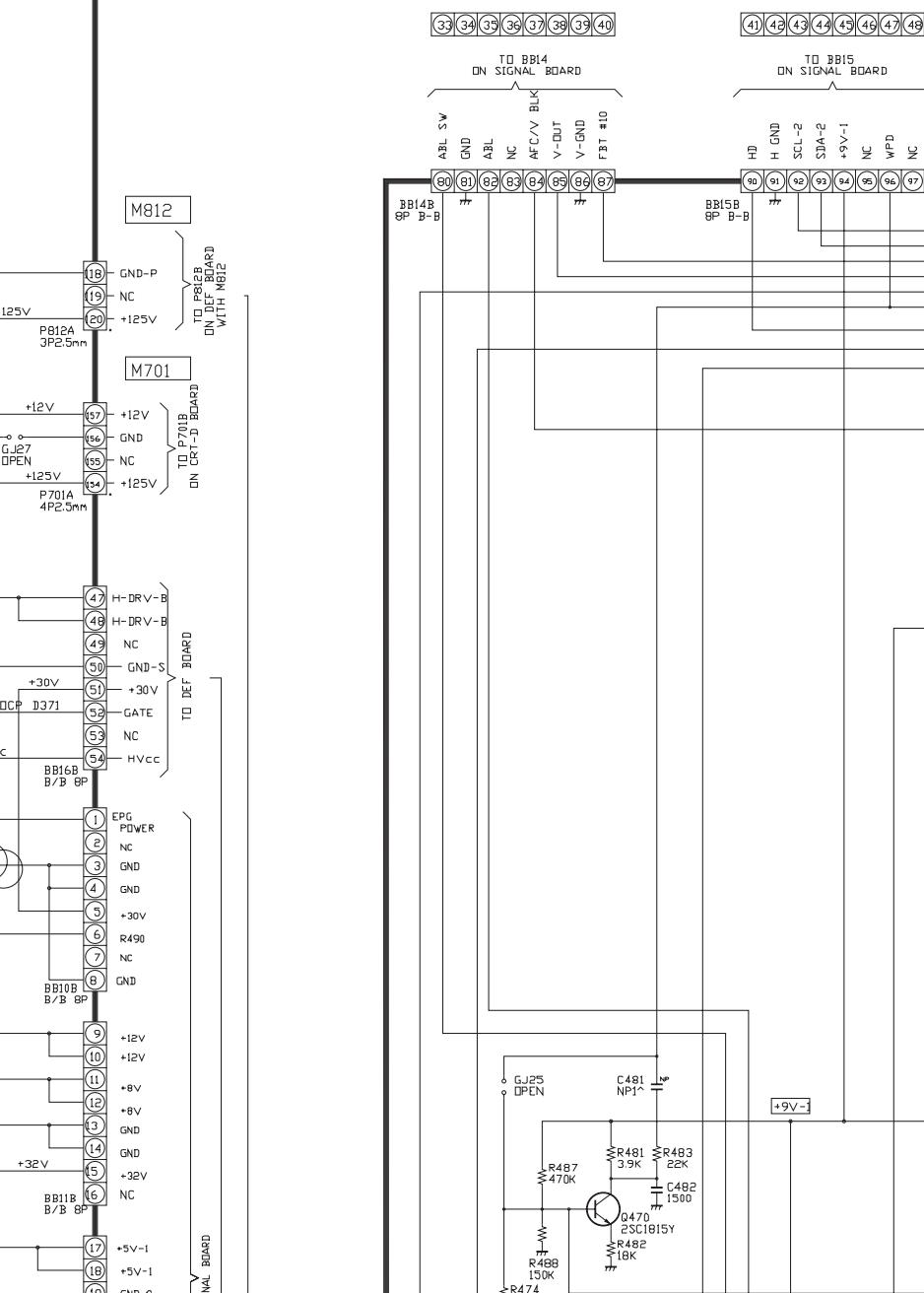


NOTE	POWER	DEF	EW100Hz
	SN 23784863	SN	SN
		SN	SN
		SN	SN
		SN	SN





U904 DEF BOARD PB9516A
100Hz MODEL ONLY



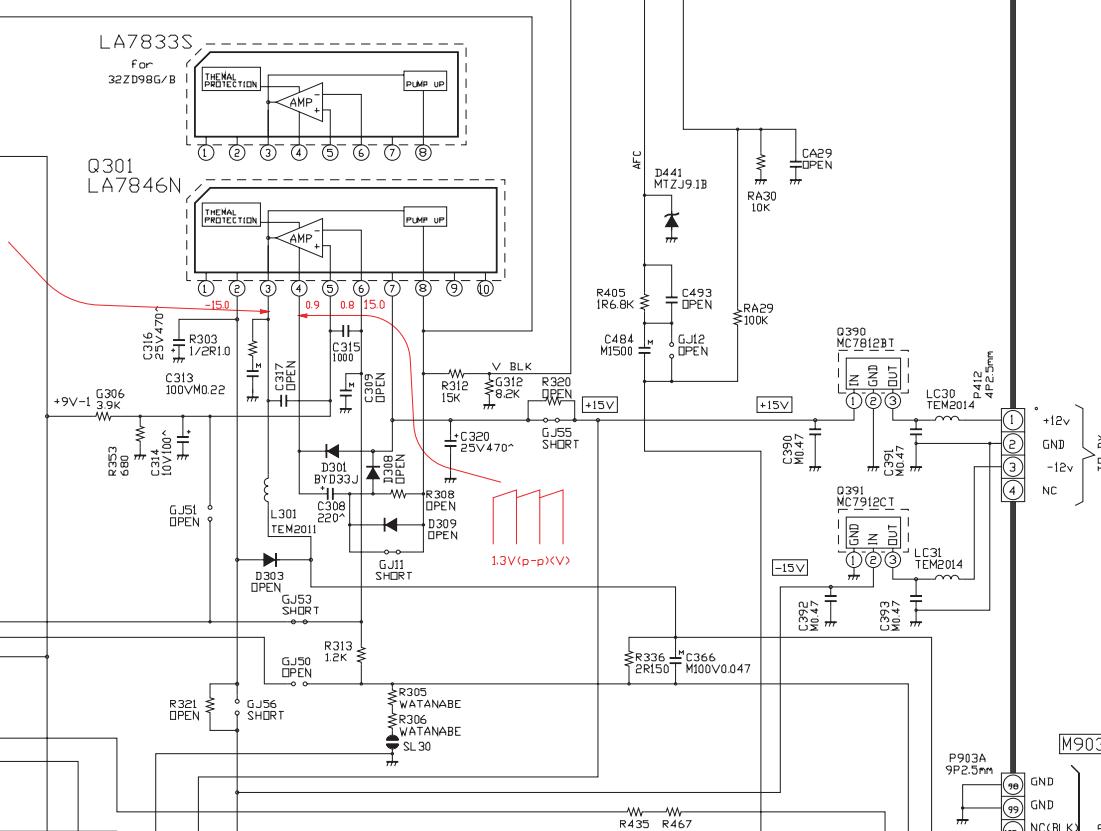
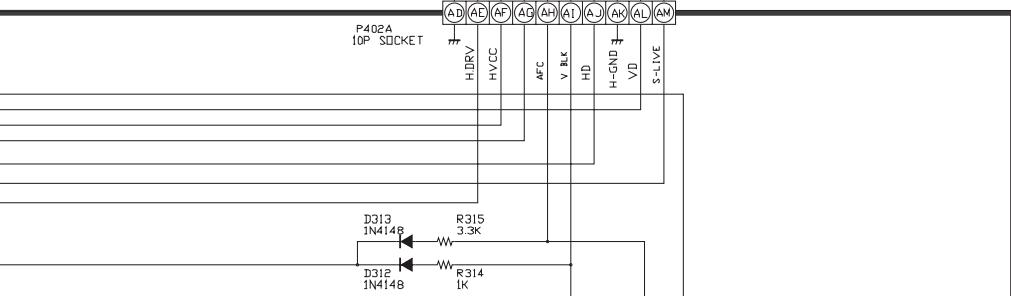
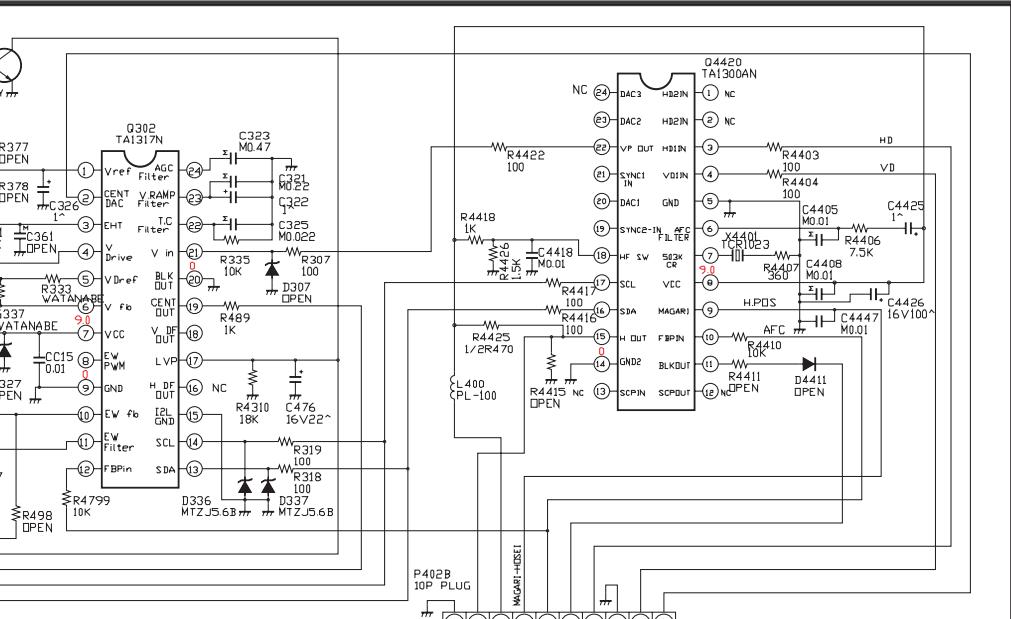
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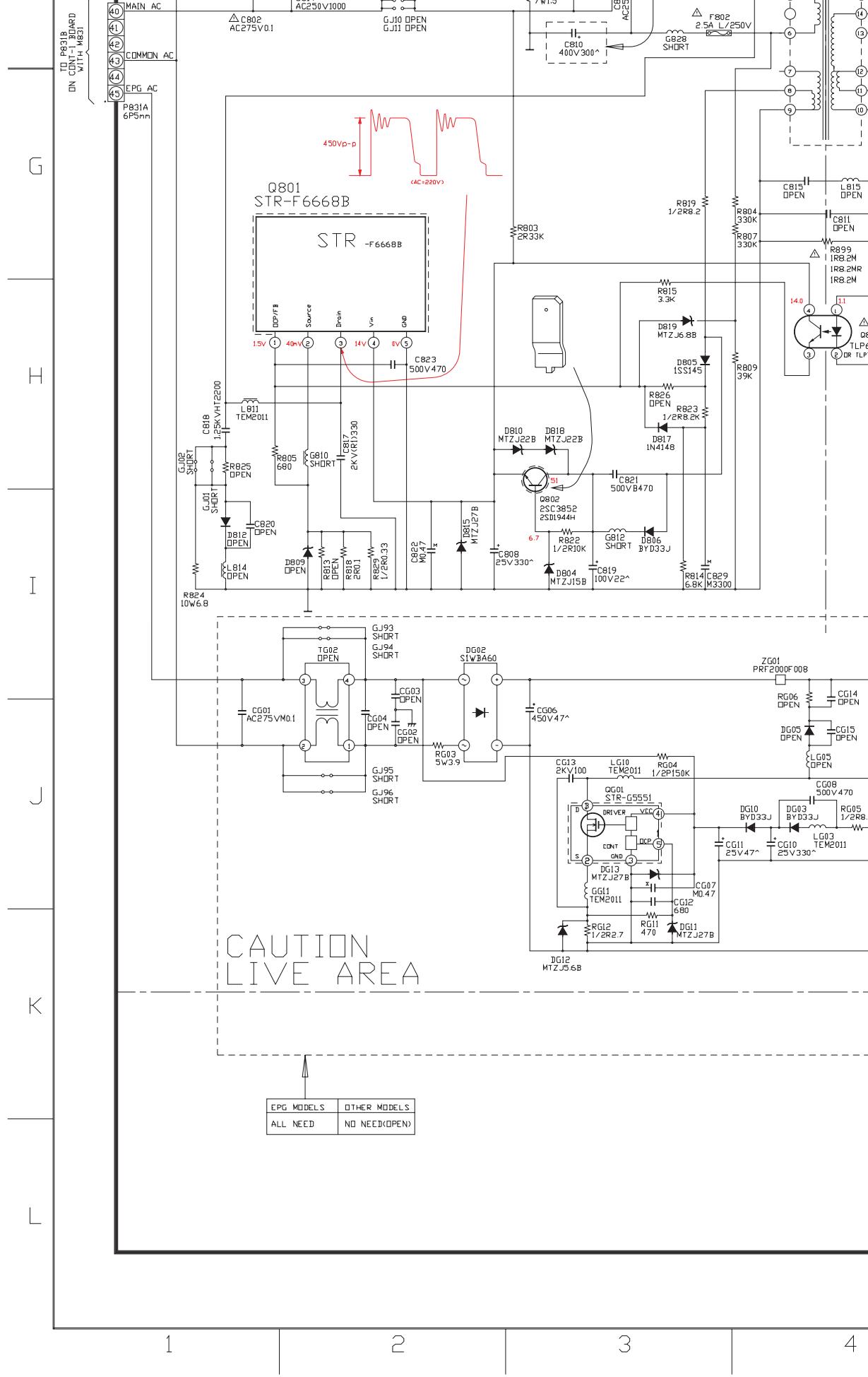
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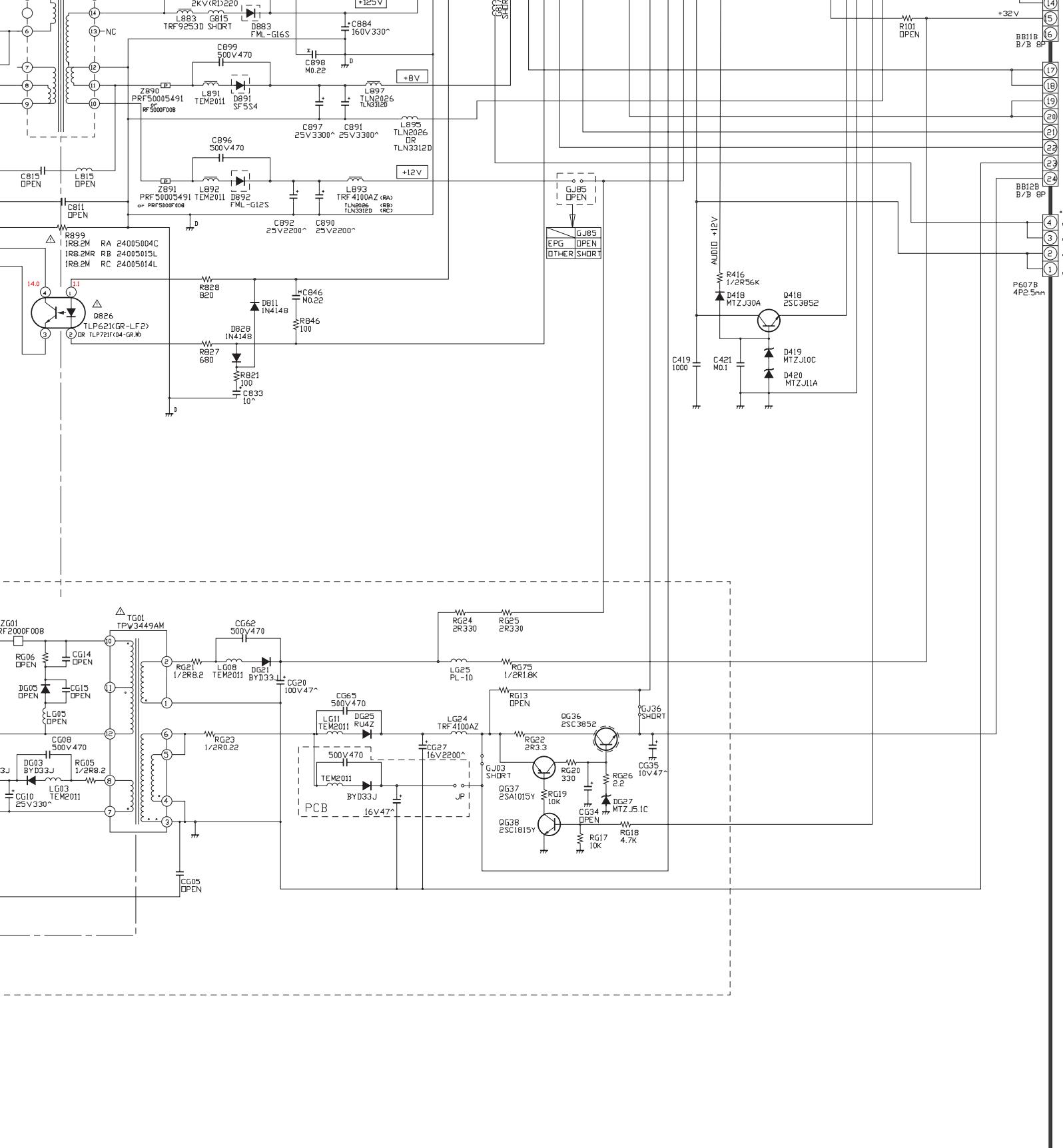
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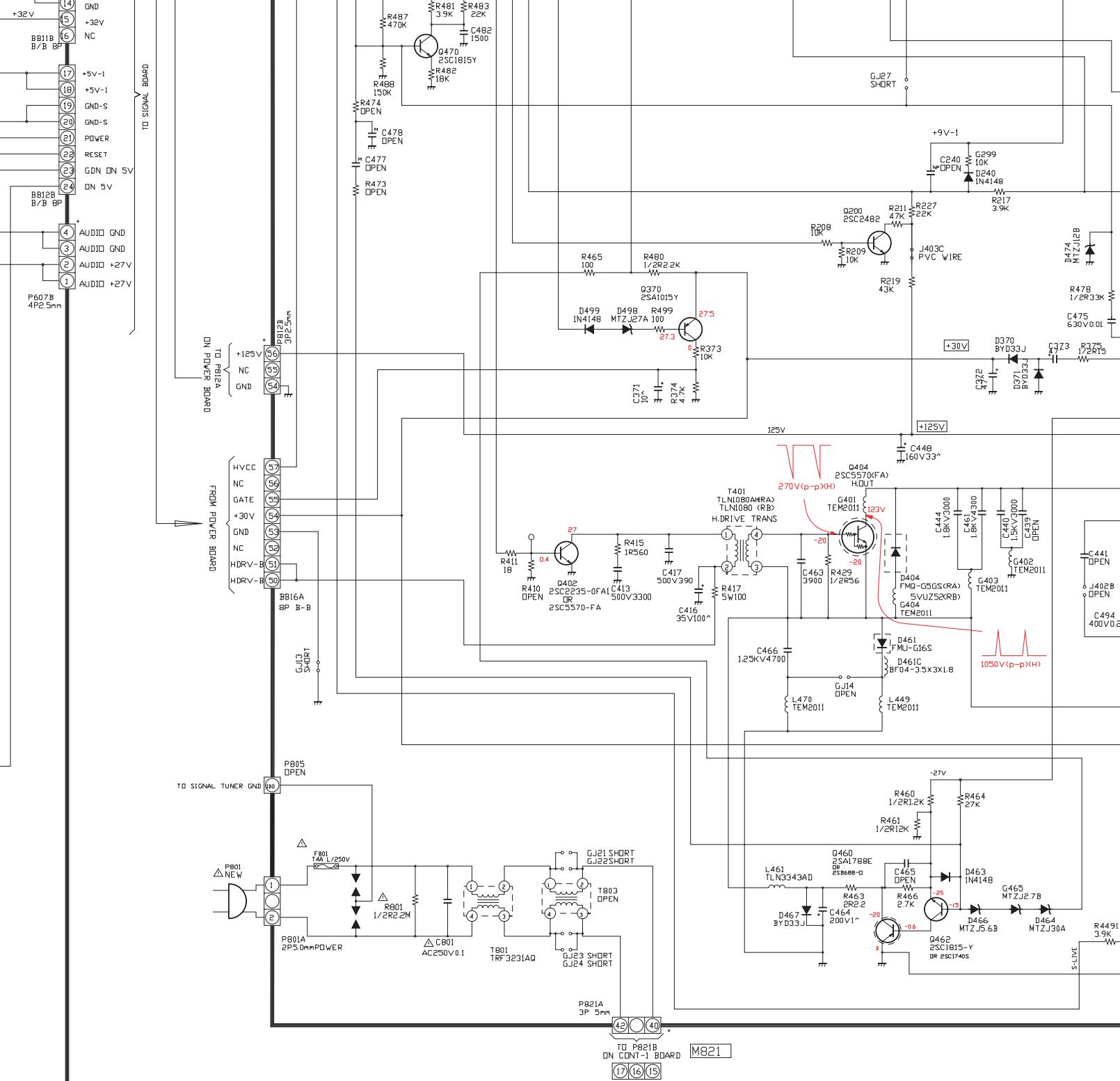
16

PB9517A





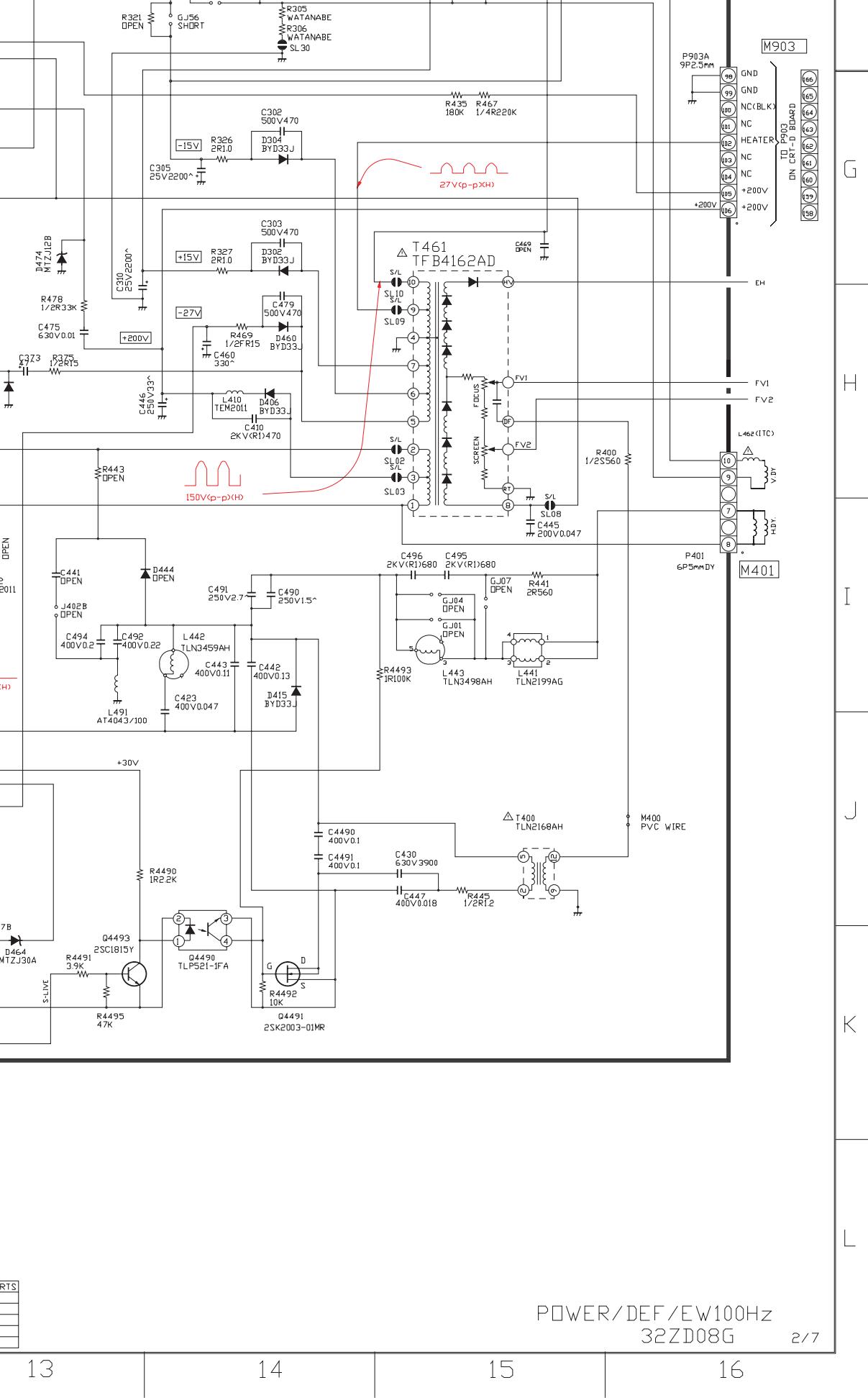


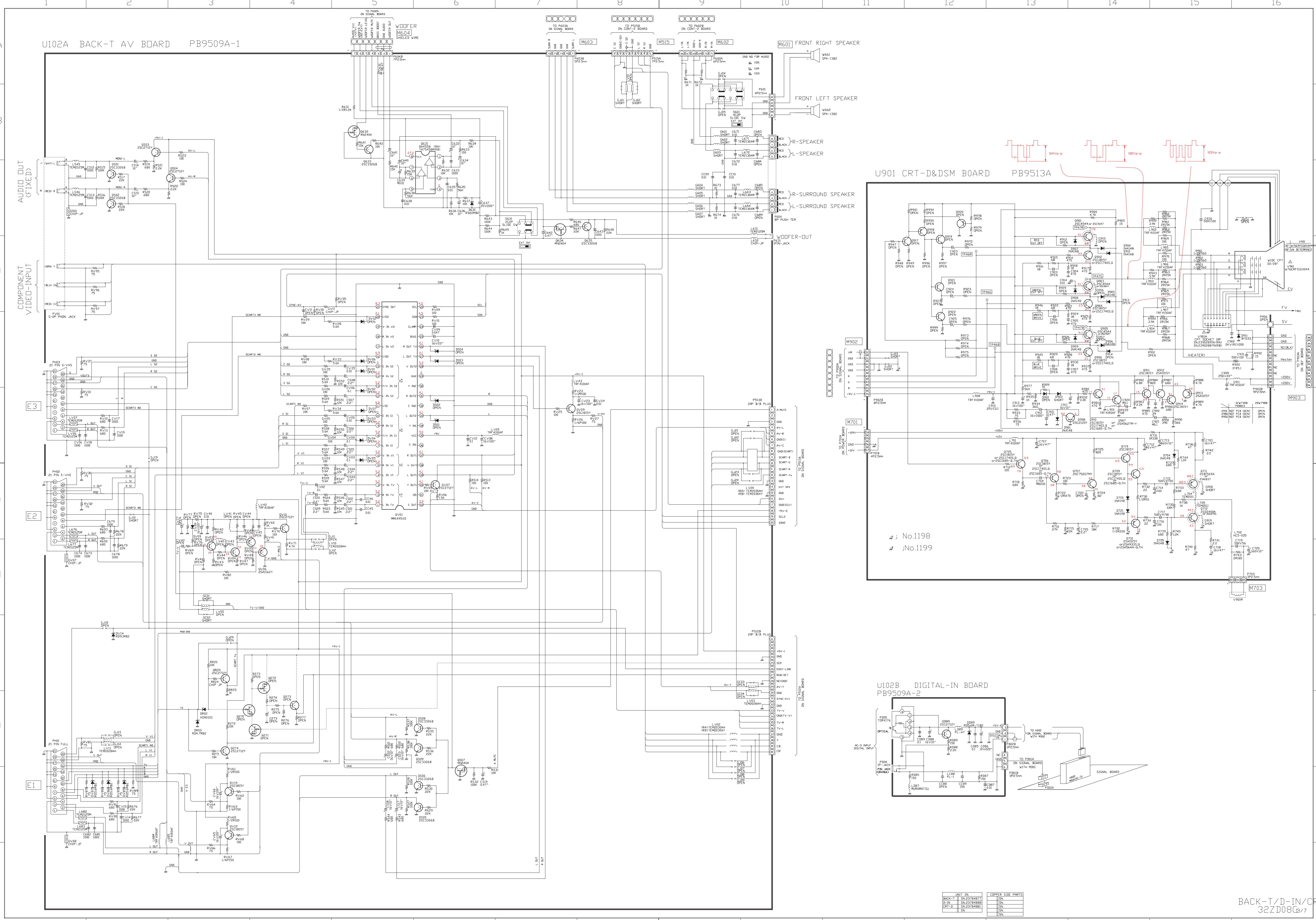


NOTE

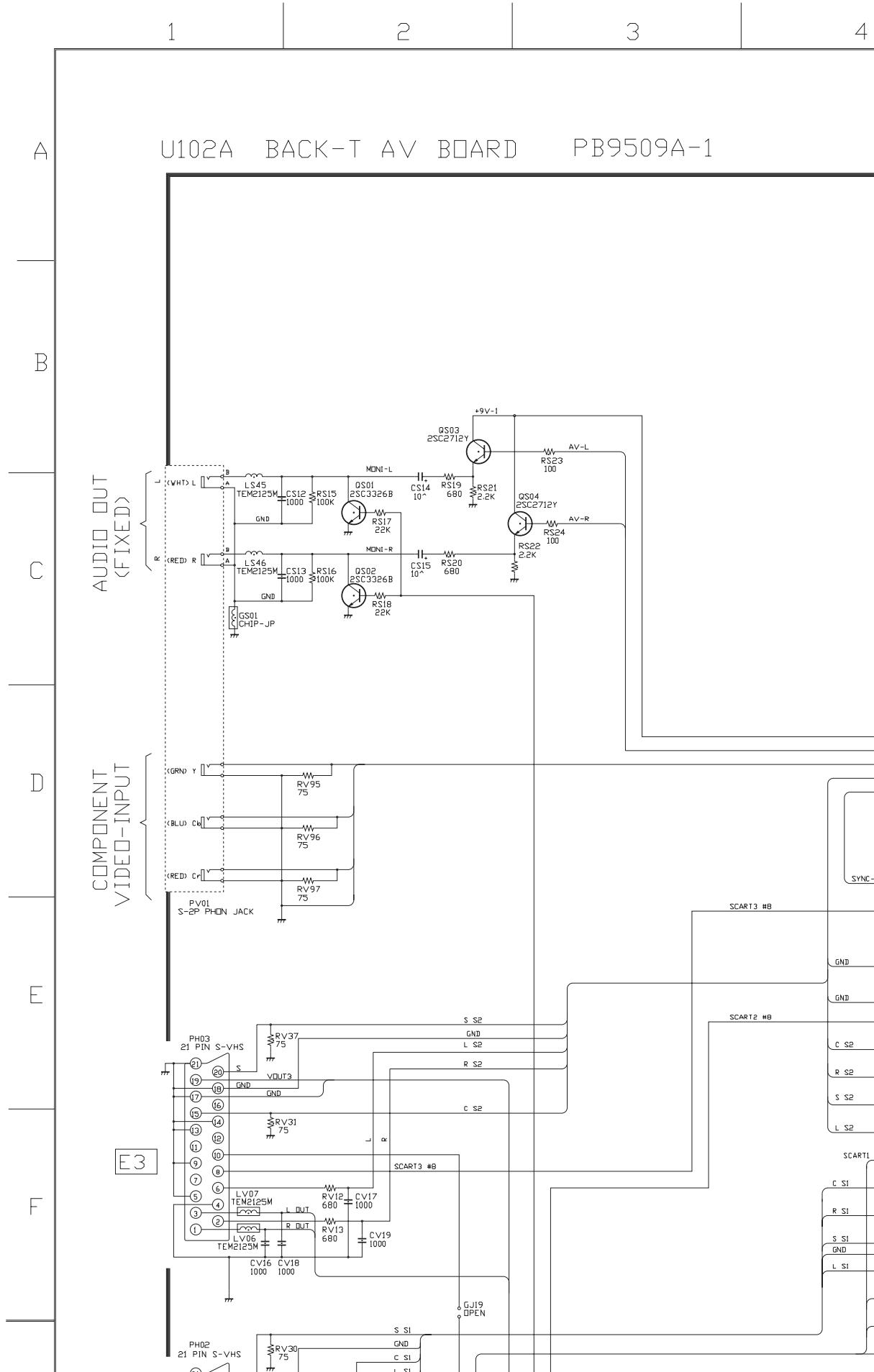
The marking [OPEN] means that there are one component on the PCB though there are the marking of part No. on the PCB. Its means open circuited.

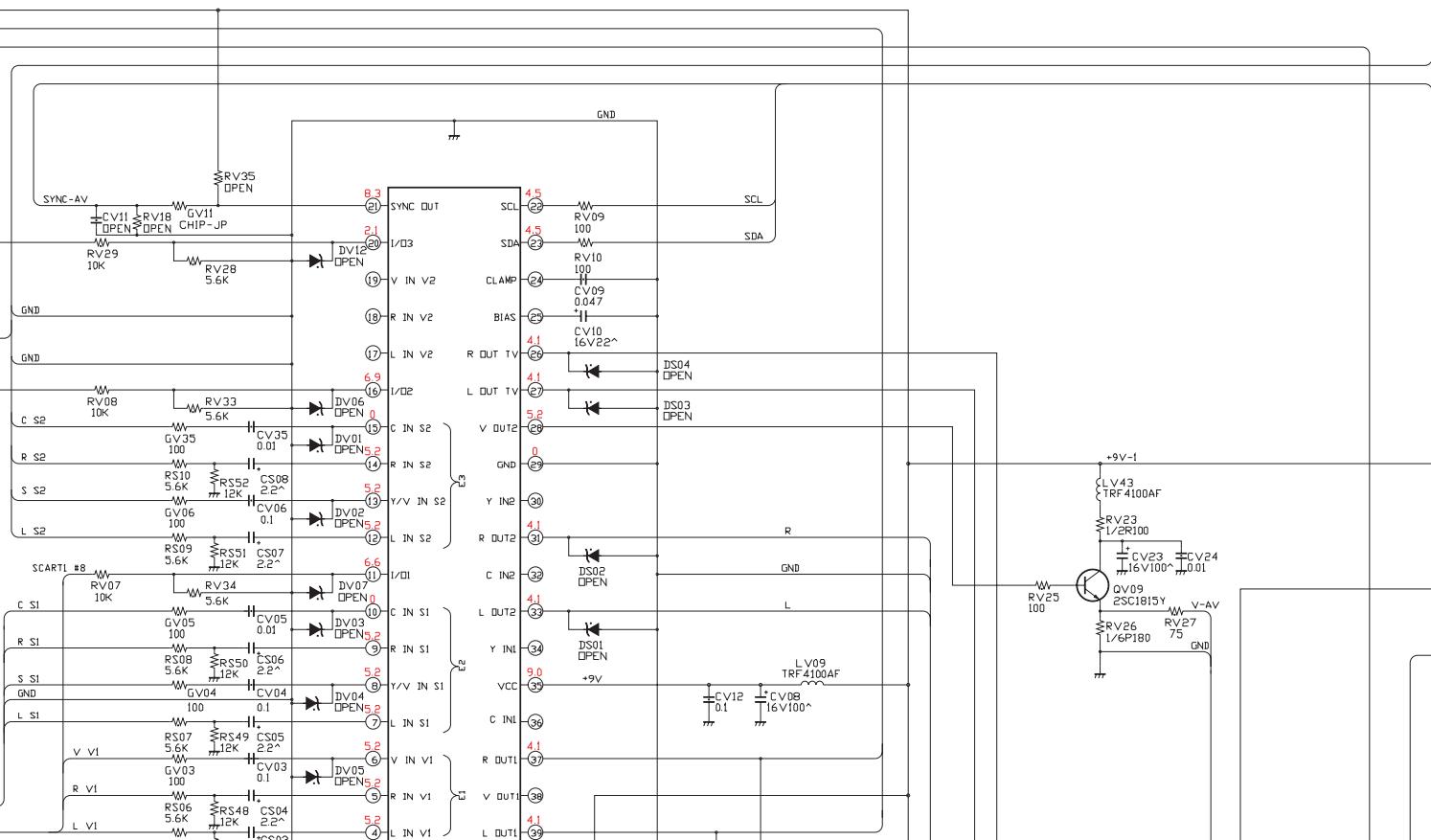
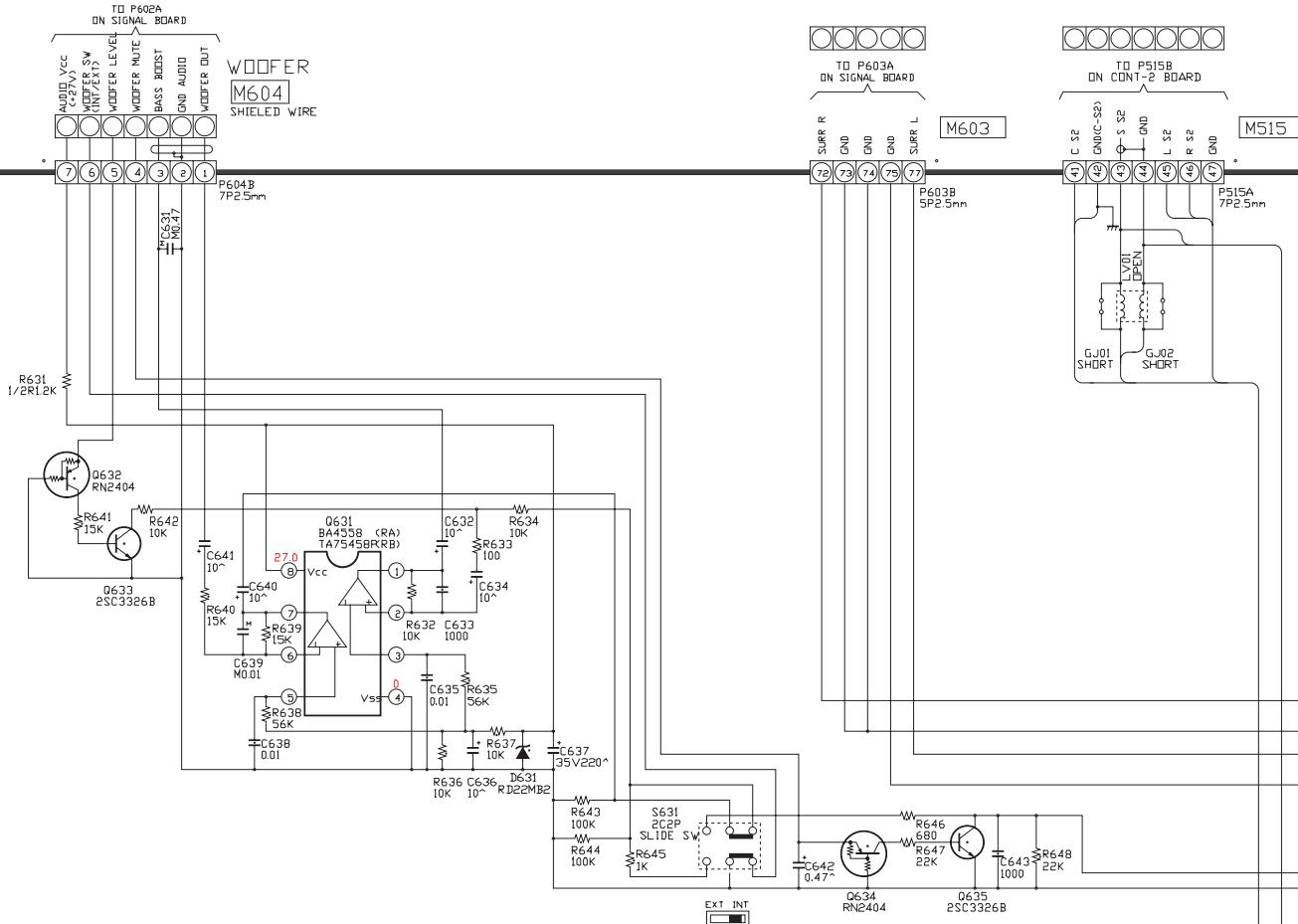
UNIT SN	COPPER SIDE PARTS
POWER SN-23784893	SN
DEF SN-23784884	SN
EW100Hz SN-23784885	SN
	SN
	SN





UNIT NO.	COPPER SIDE PARTS
BACK-T-1 SN 37878877	SN
D-IN SN 37948866	SN
CR-3 SN 37948860	SN
CR-2 SN 37948861	SN





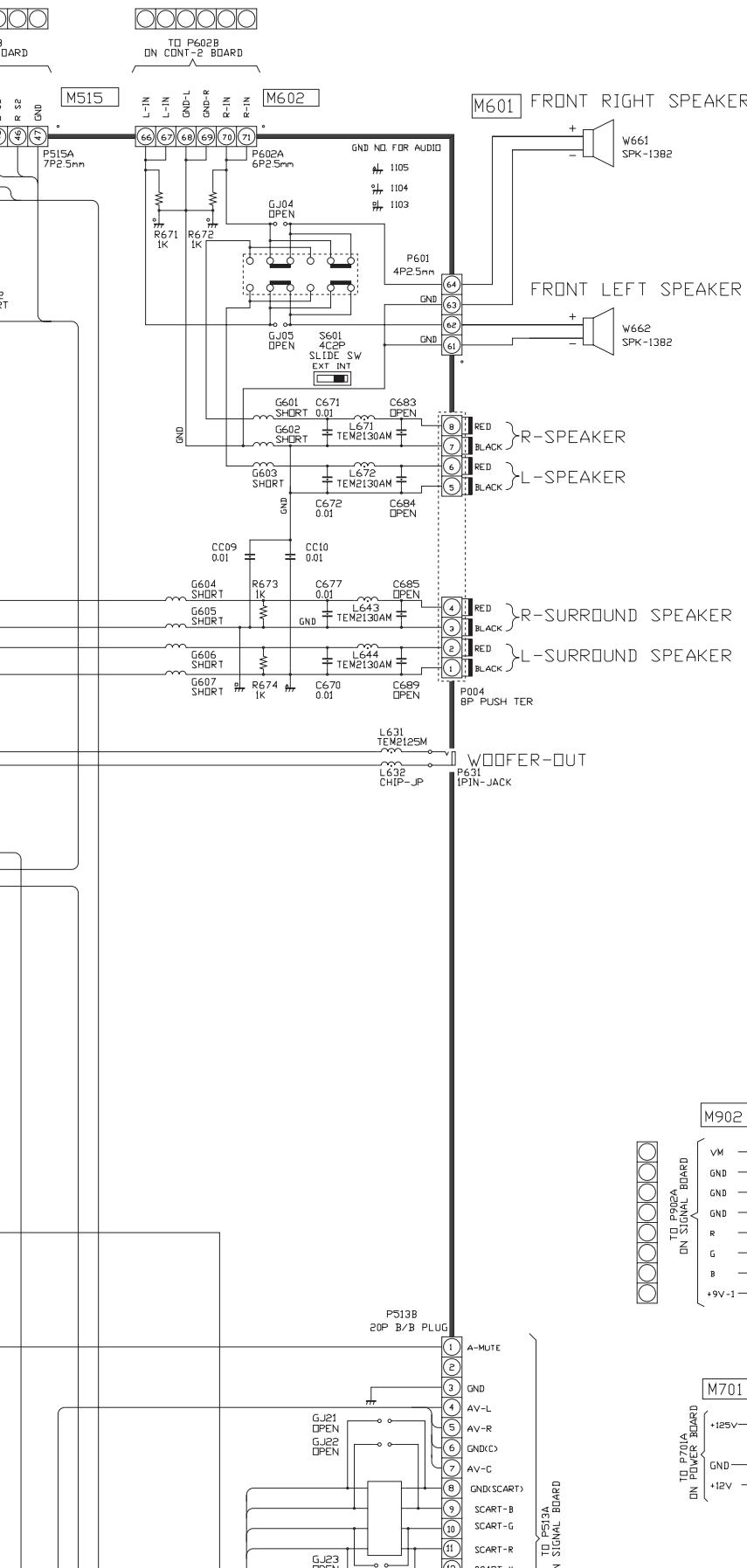
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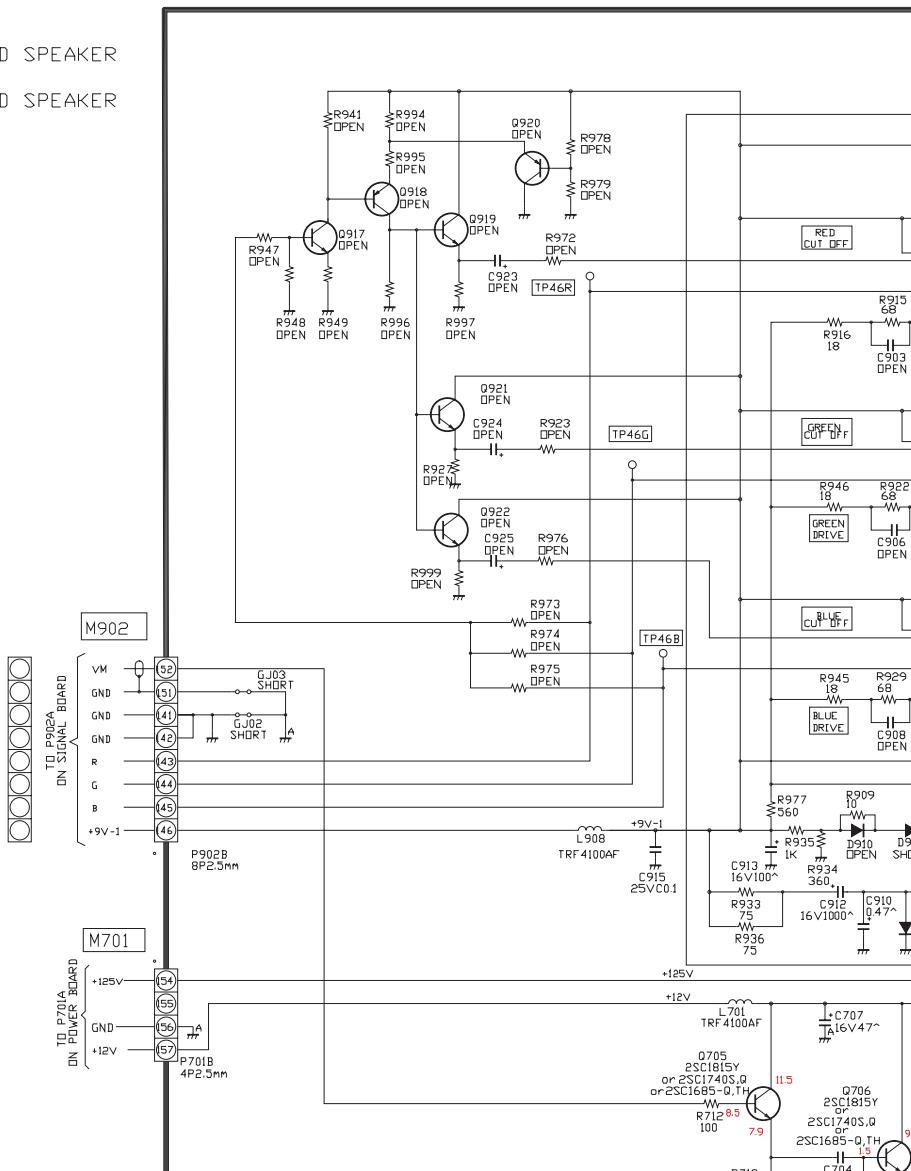
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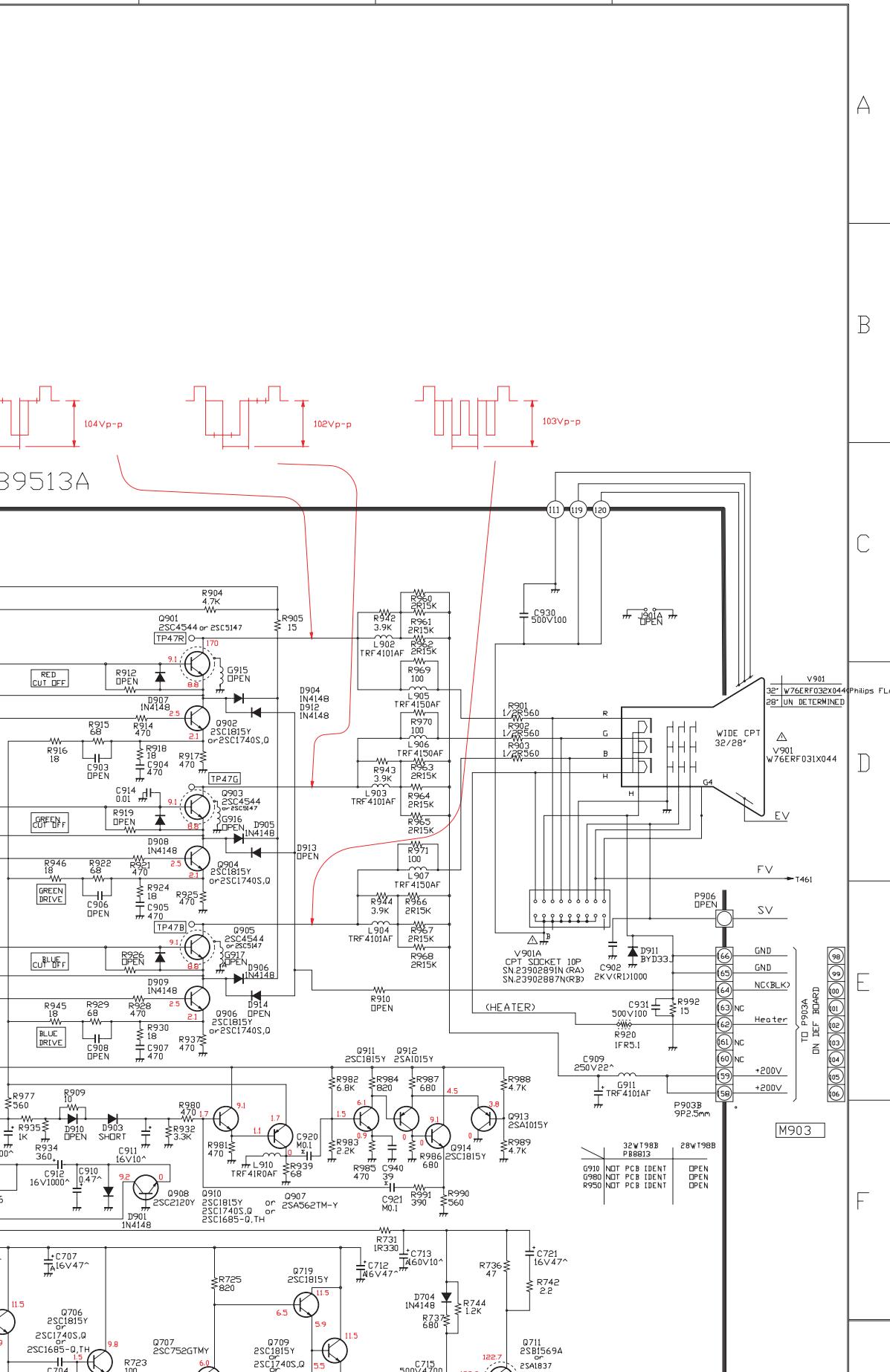
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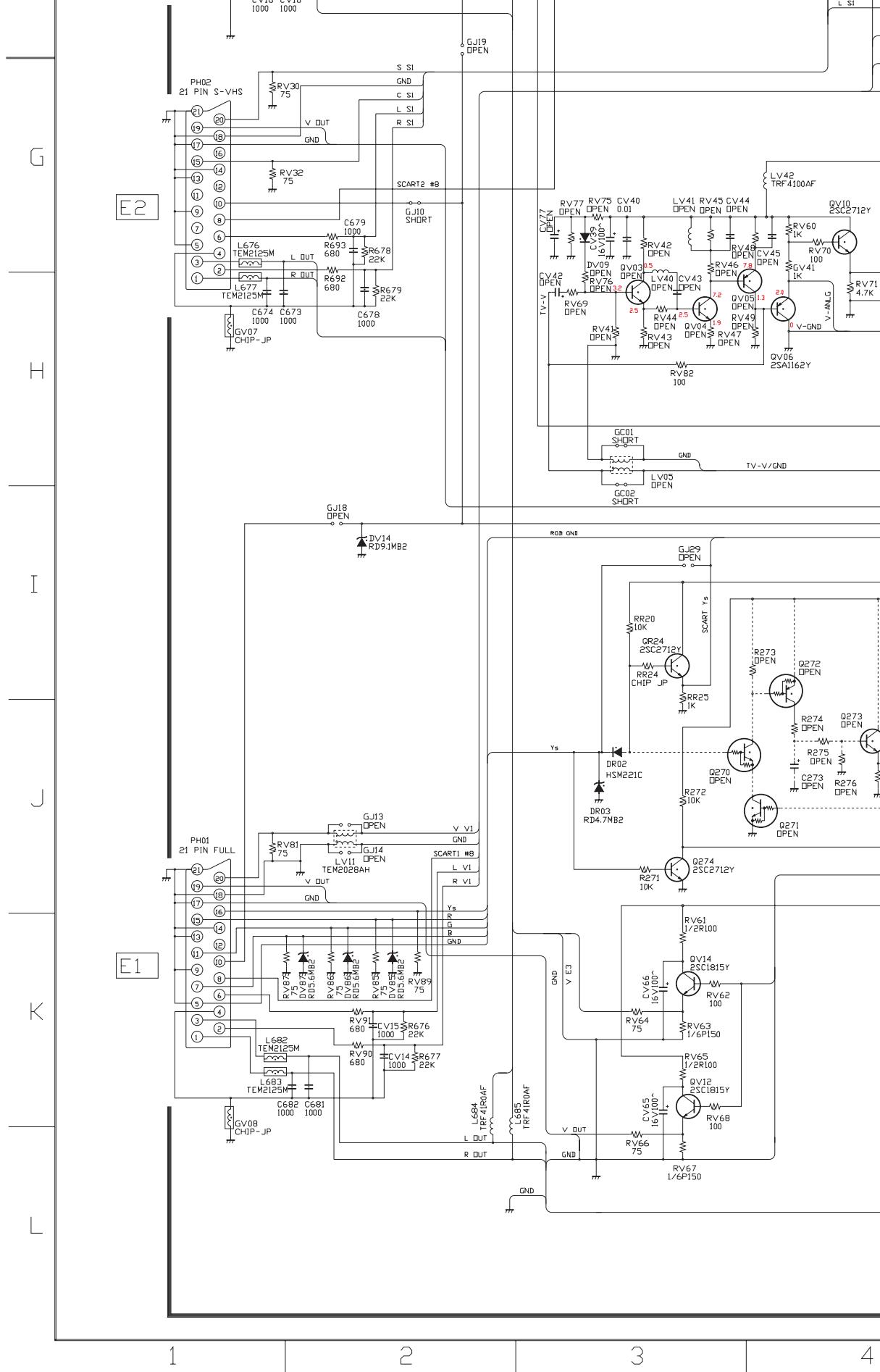


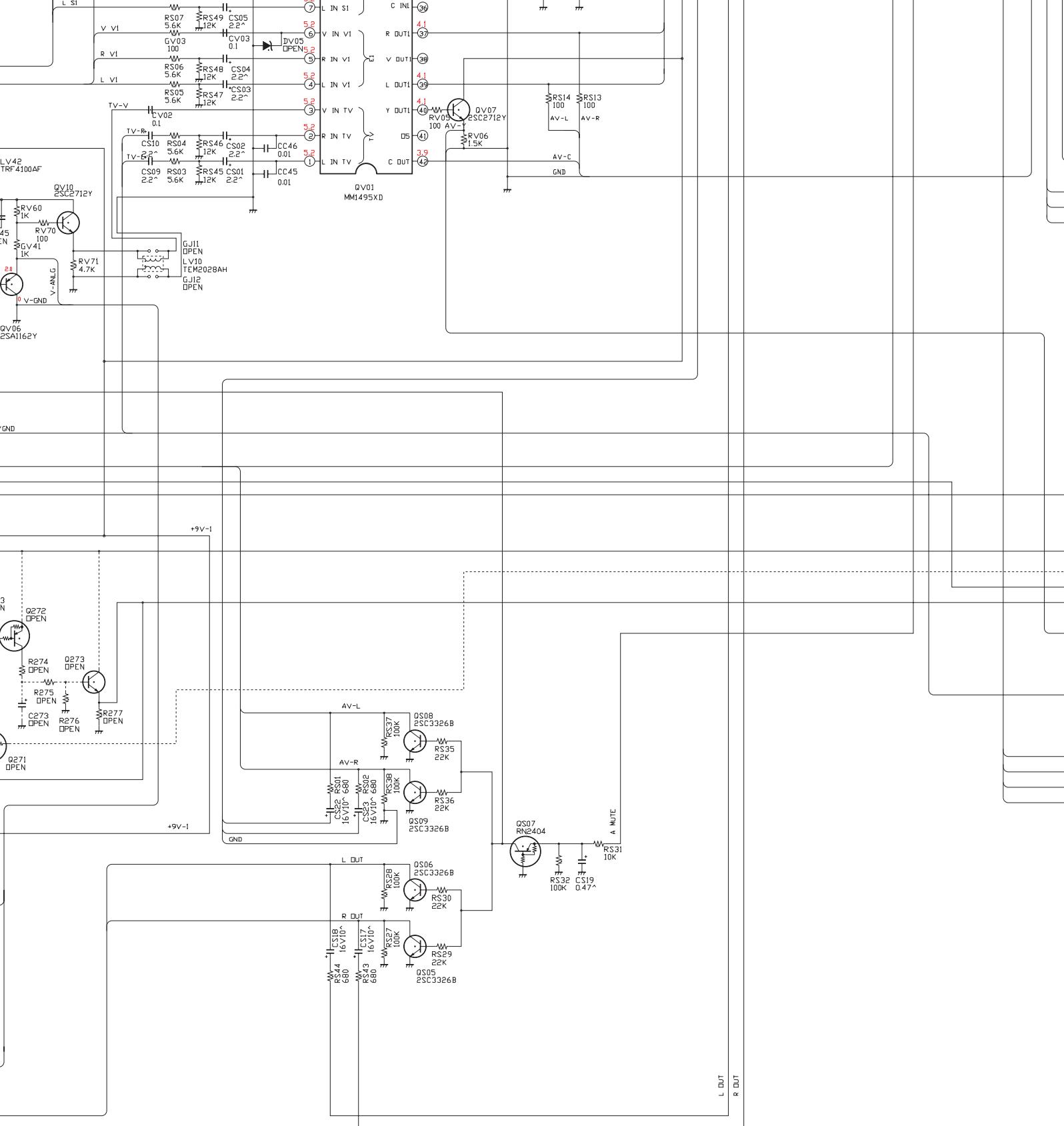
U901 CRT-D&DSM BOARD

PB9513A









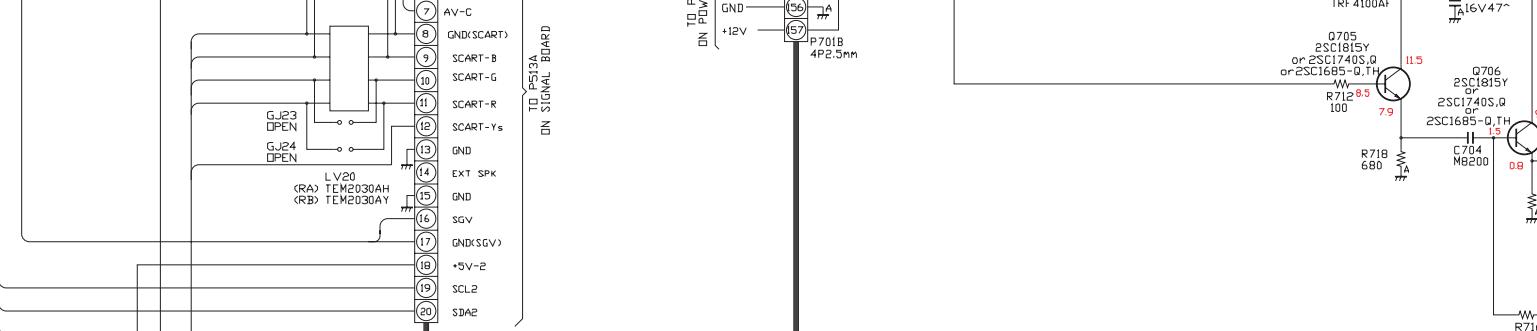
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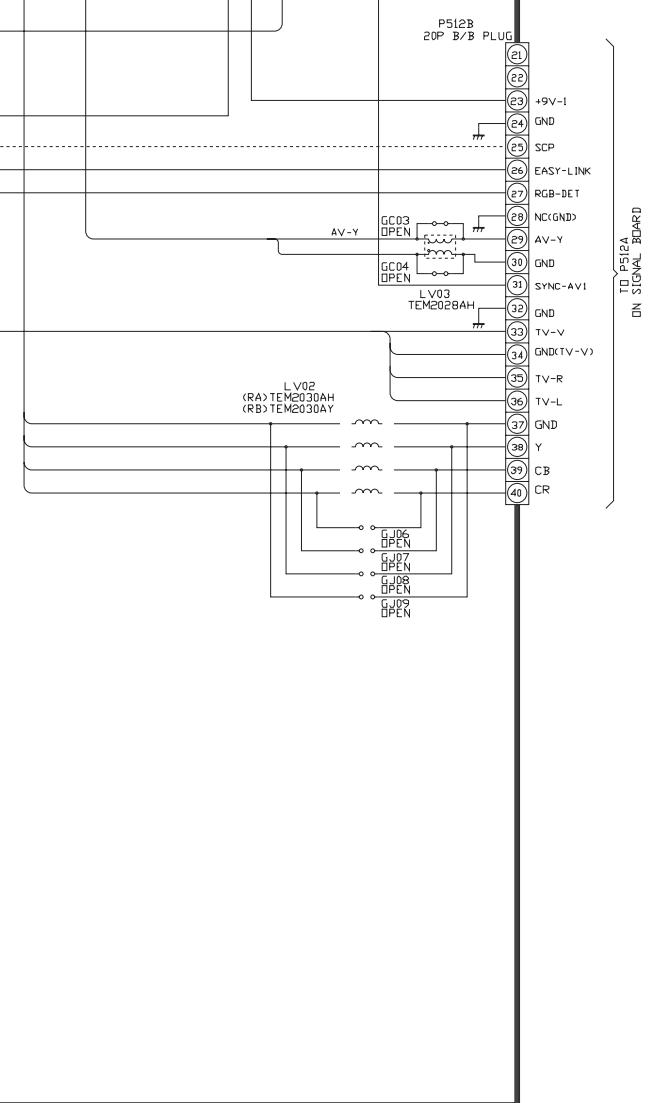
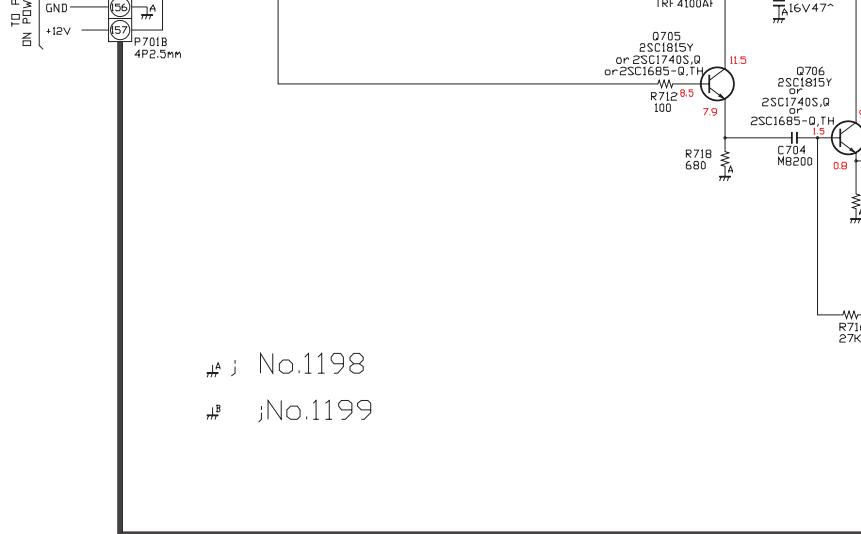
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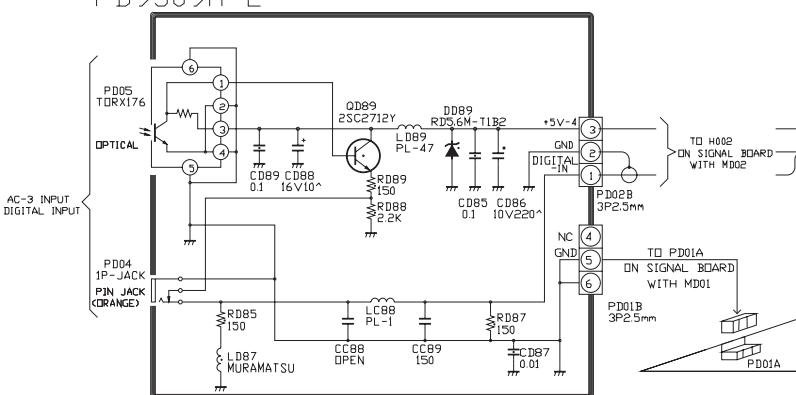


No.1198

No.1199

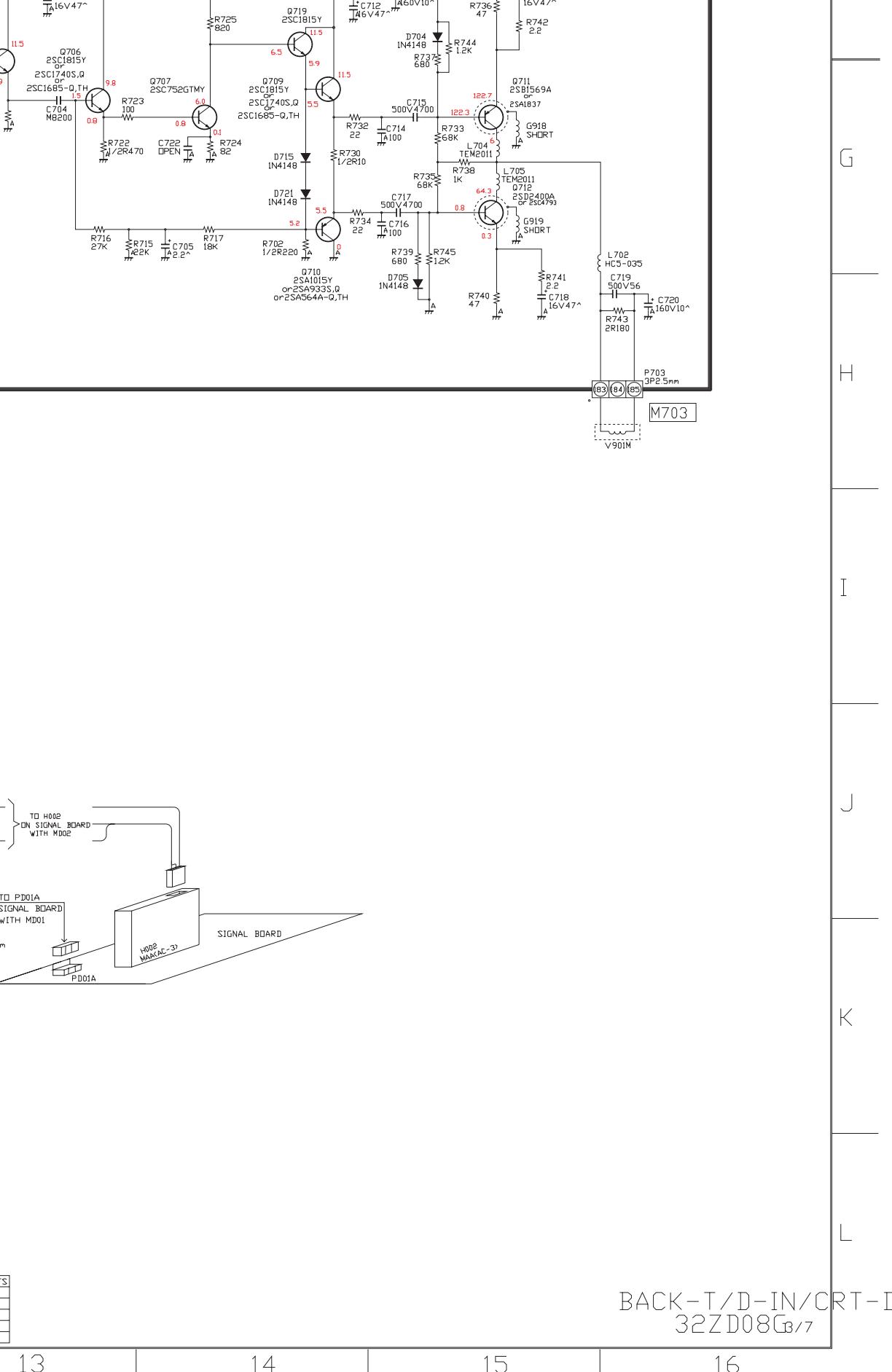


U102B DIGITAL-IN BOARD
PB9509A-2



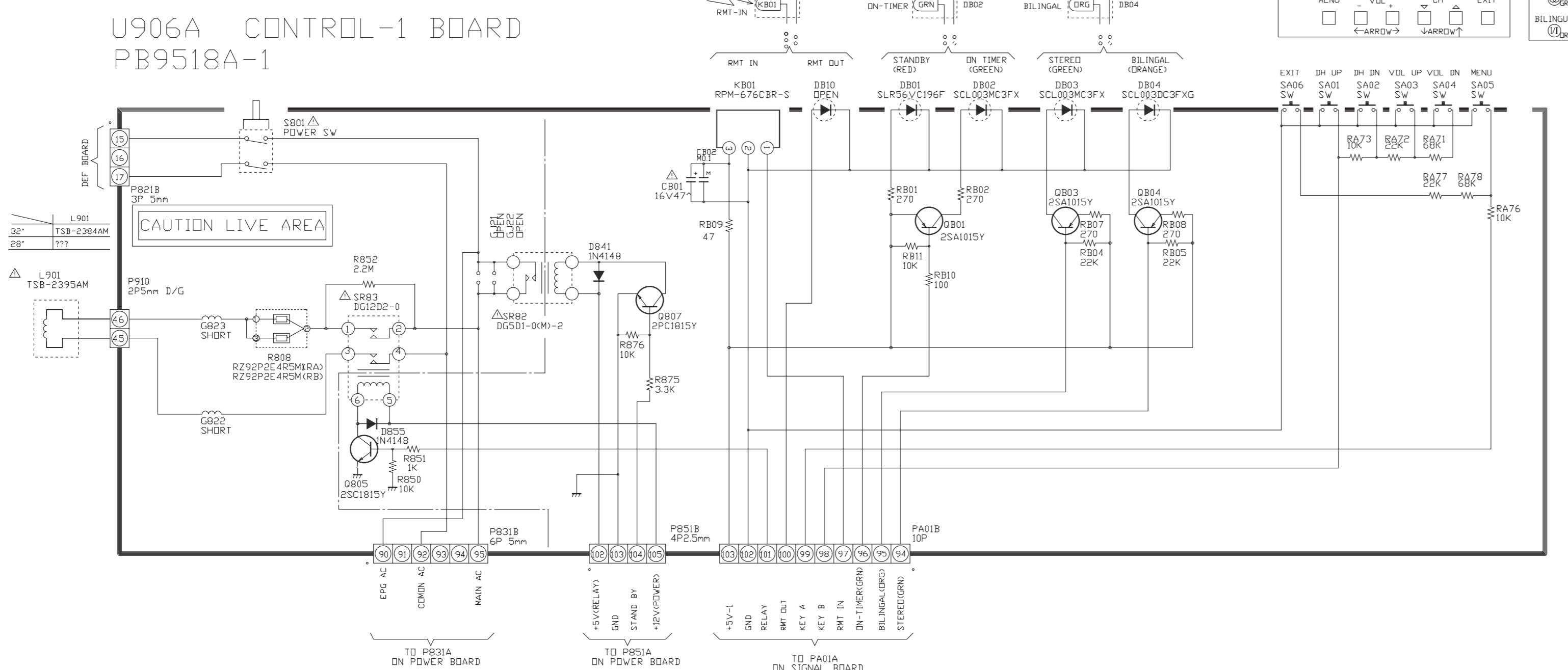
UNIT SN	
BACK-T	SN 23784877
D-IN	SN 23784888
LRI-D	SN 23784881

COPPER SIDE PARTS	
SN.	SN.



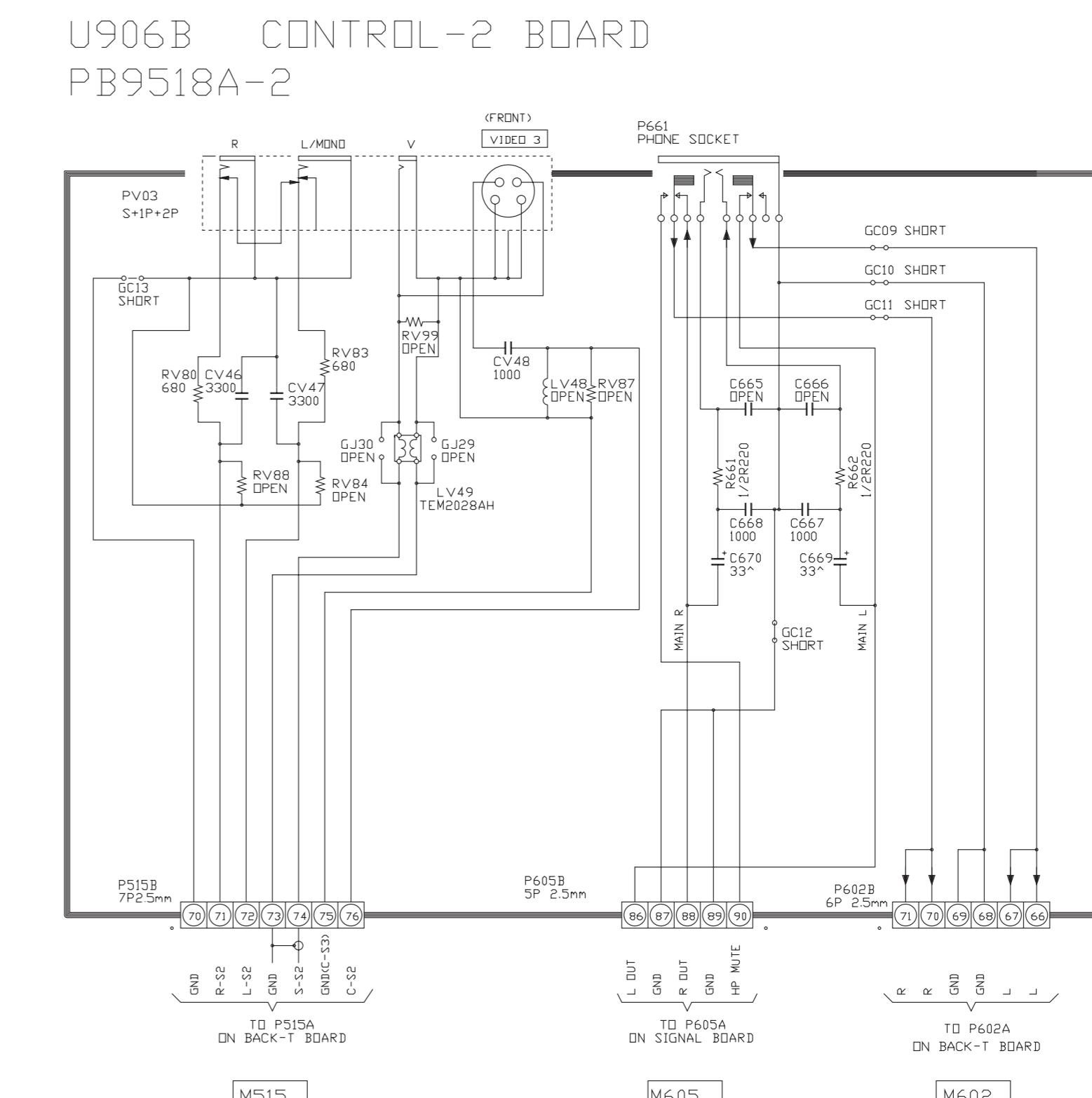
BACK-T/D-IN/CRT-D
32ZD08G_{3/7}

13



U906A CONTROL-1 BOARD
PB9518A-1

FRONT VIEW



U906B CONTROL-2 BOARD
PB9518A-2

UNIT SN.		COPPER SIDE PAR
CONT-1	SN.23784886	SN.
CONT-2	SN.23784887	SN.
	SN.	SN.
	SN.	SN.
	SN.	SN.

32ZD08G
CONT-1/CONT₄₇₂

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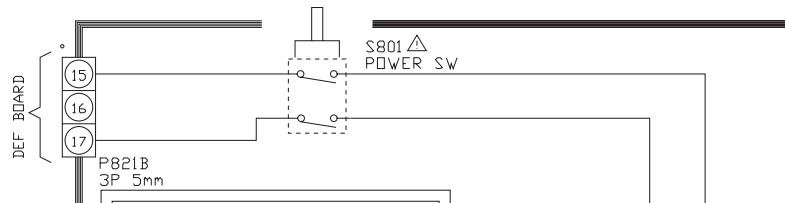
A

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U906A CONTROL-1 BOARD
PB9518A-1



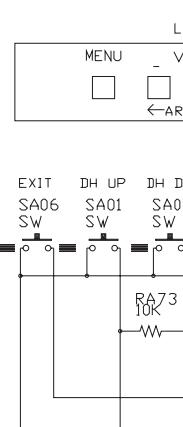
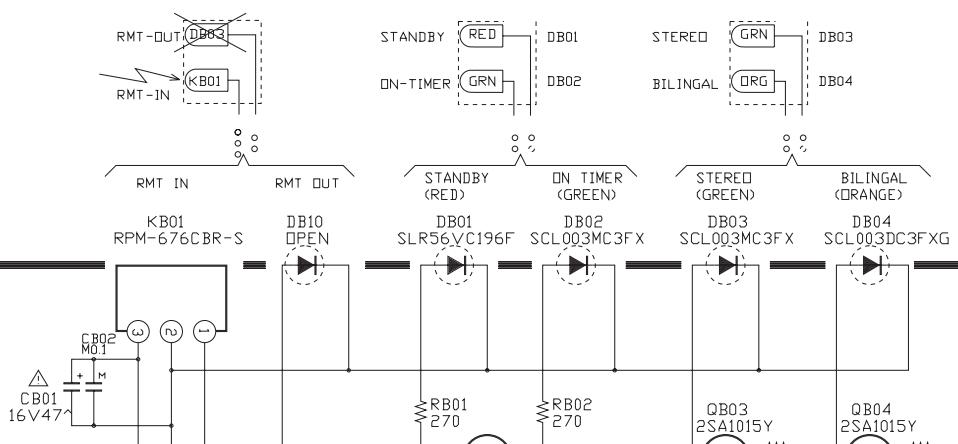
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BOARD



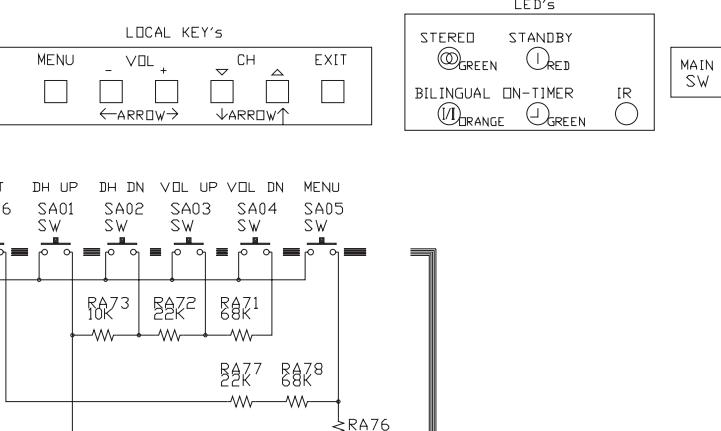
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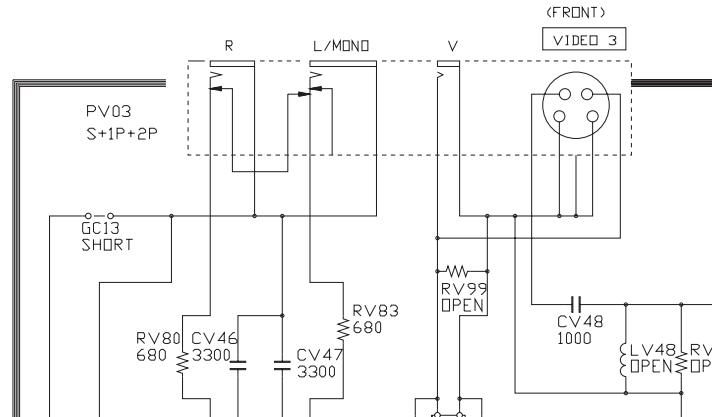
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FRONT VIEW



U906B CONTROL-2 BOARD
PB9518A-2



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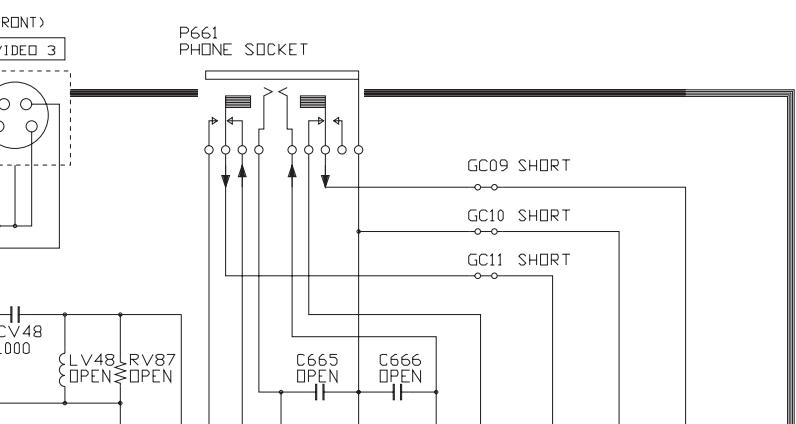
A

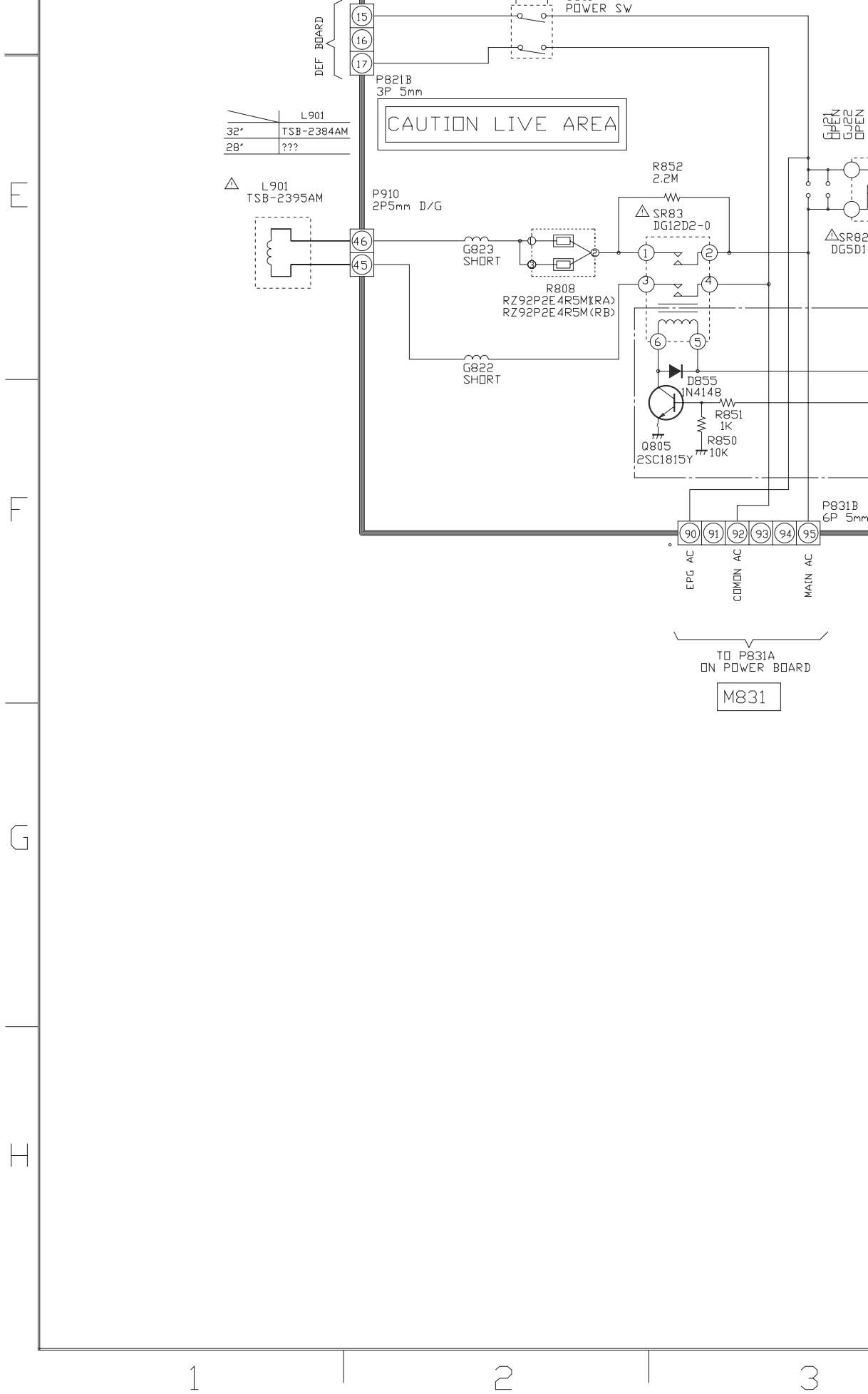
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BOARD





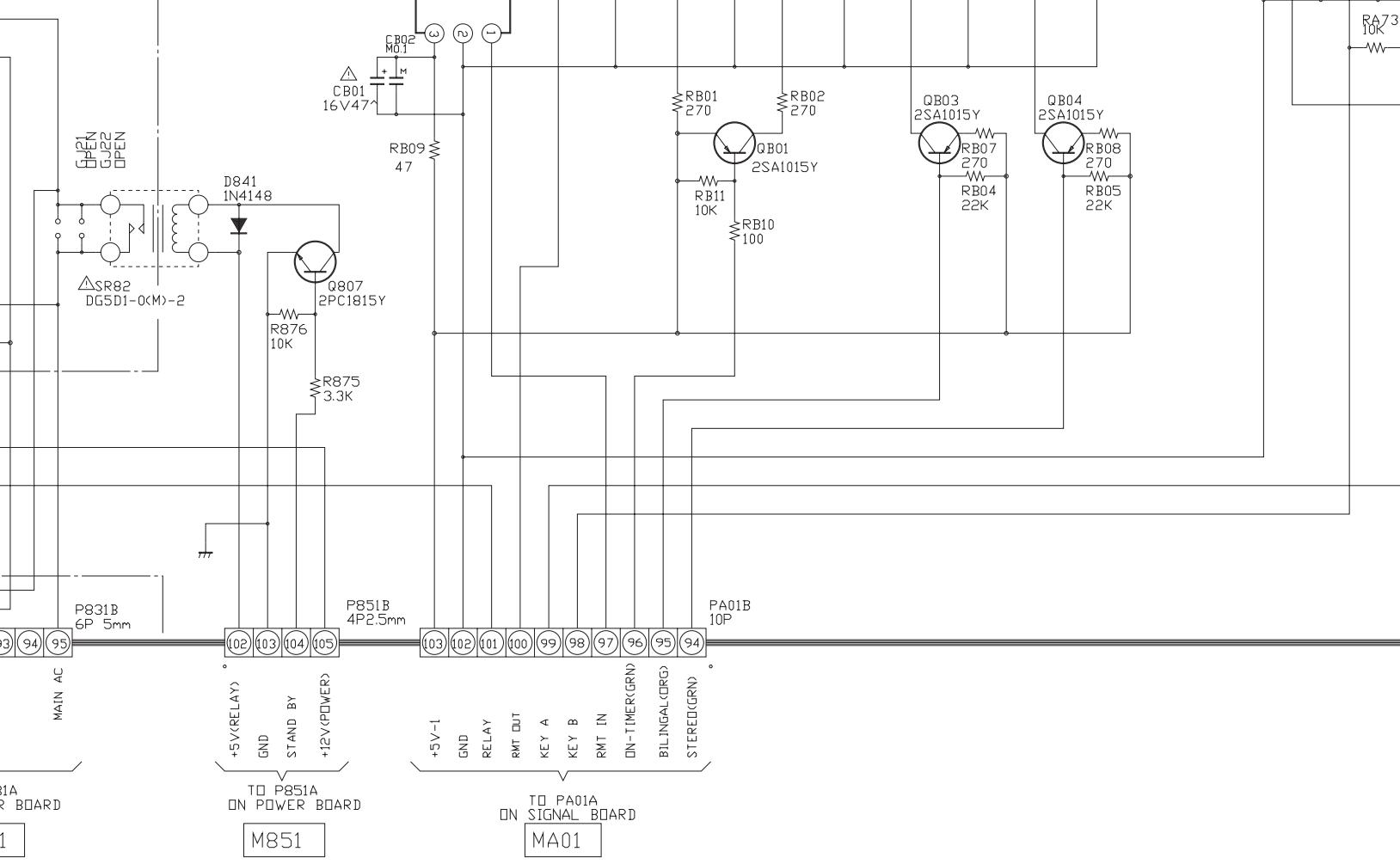
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TO P831A
ON POWER BOARD

M831

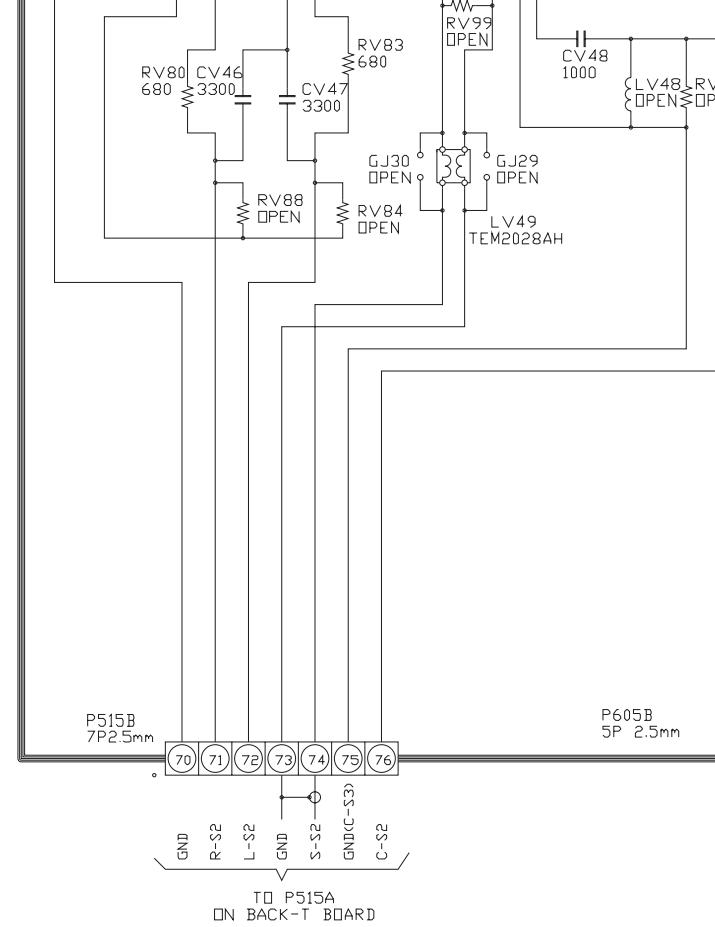
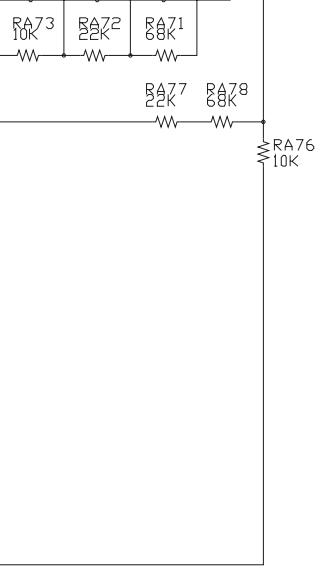


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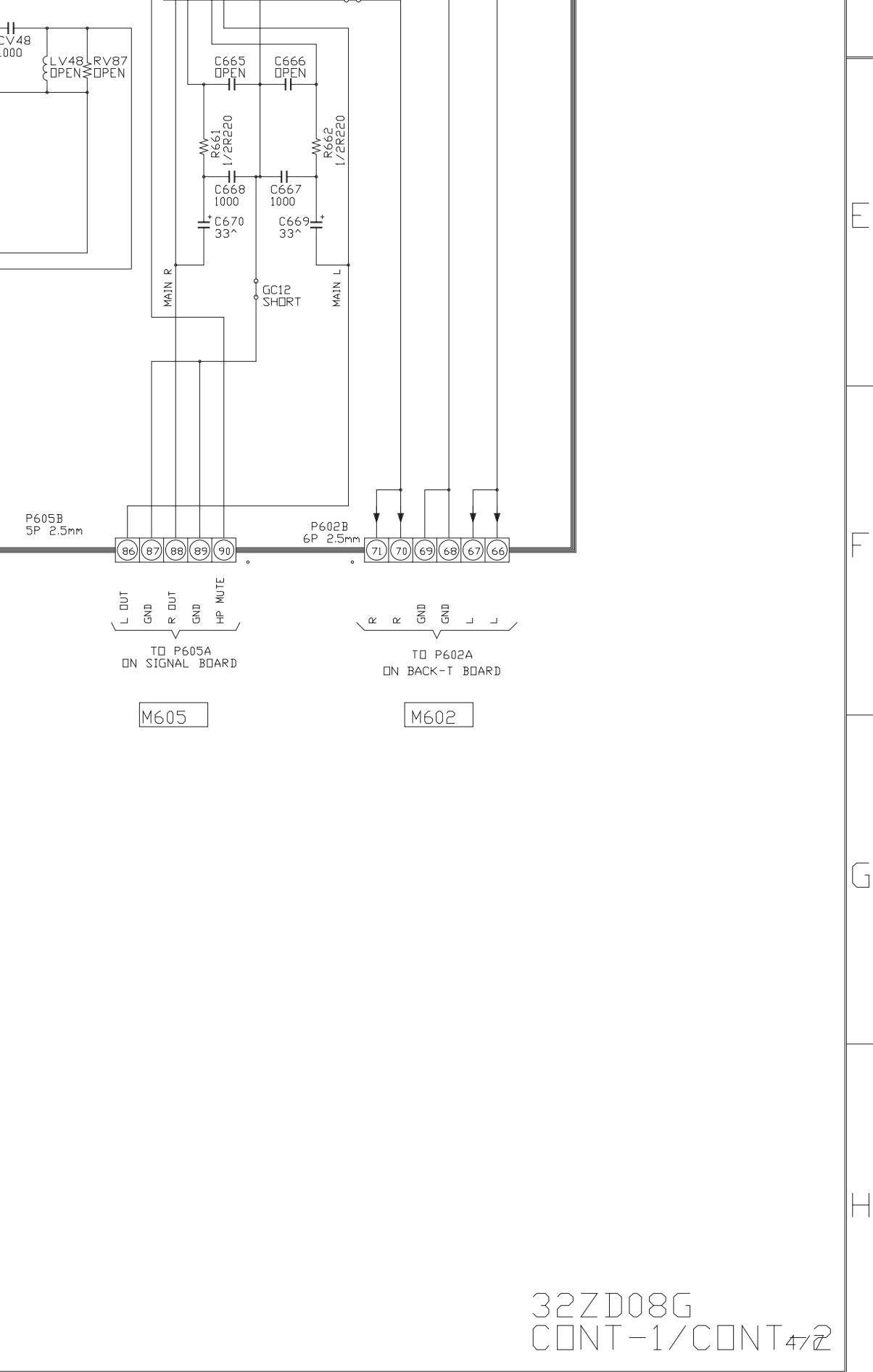
6



M515

UNIT SN.	
C0NT-1	SN.23784886
C0NT-2	SN.23784887
	SN.
	SN.
	SN.

COPPER SIDE PARTS	
	SN.

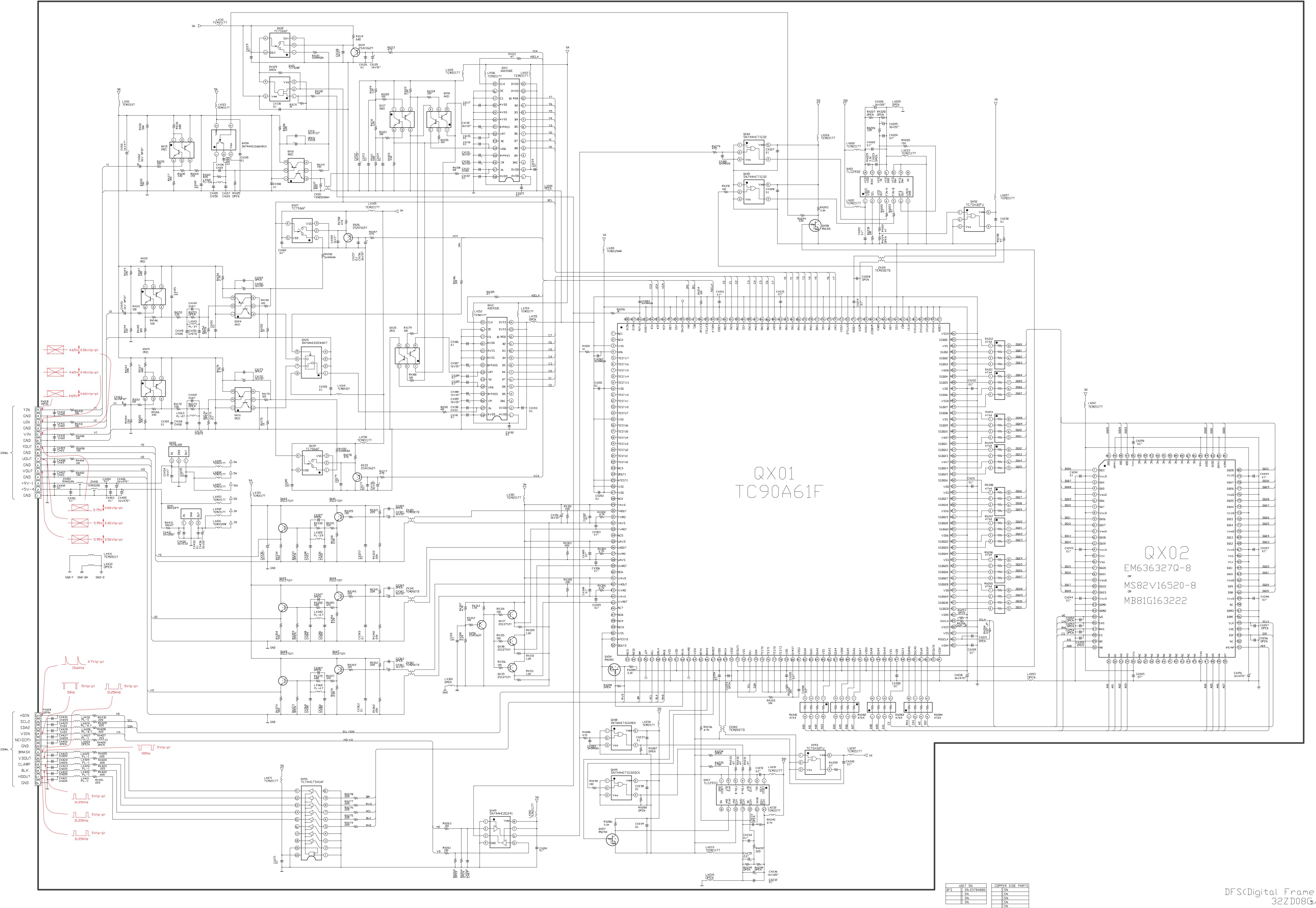


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U105 DFS BOARD(Ver4P)B9512A



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U105 DFS BOARD Ver 4B

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TO-SIGNAL

YIN

GND

UIN

GND

VIN

GND

YOUT

GND

UOUT

GND

VOUT

GND

4.65V
0.56V(p-p)4.65V
0.46V(p-p)4.65V
0.66V(p-p)4.65V
0.56V(p-p)4.65V
0.46V(p-p)4.65V
0.66V(p-p)

3A ▶ LX110 TEM2117T

RX129 OPEN ▶ QX129

QX130 0.1 ▶ CX130

CX131 0.1 ▶ CX131

CX132 0.1 ▶ CX132

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CX200 0.1 ▶ CX200

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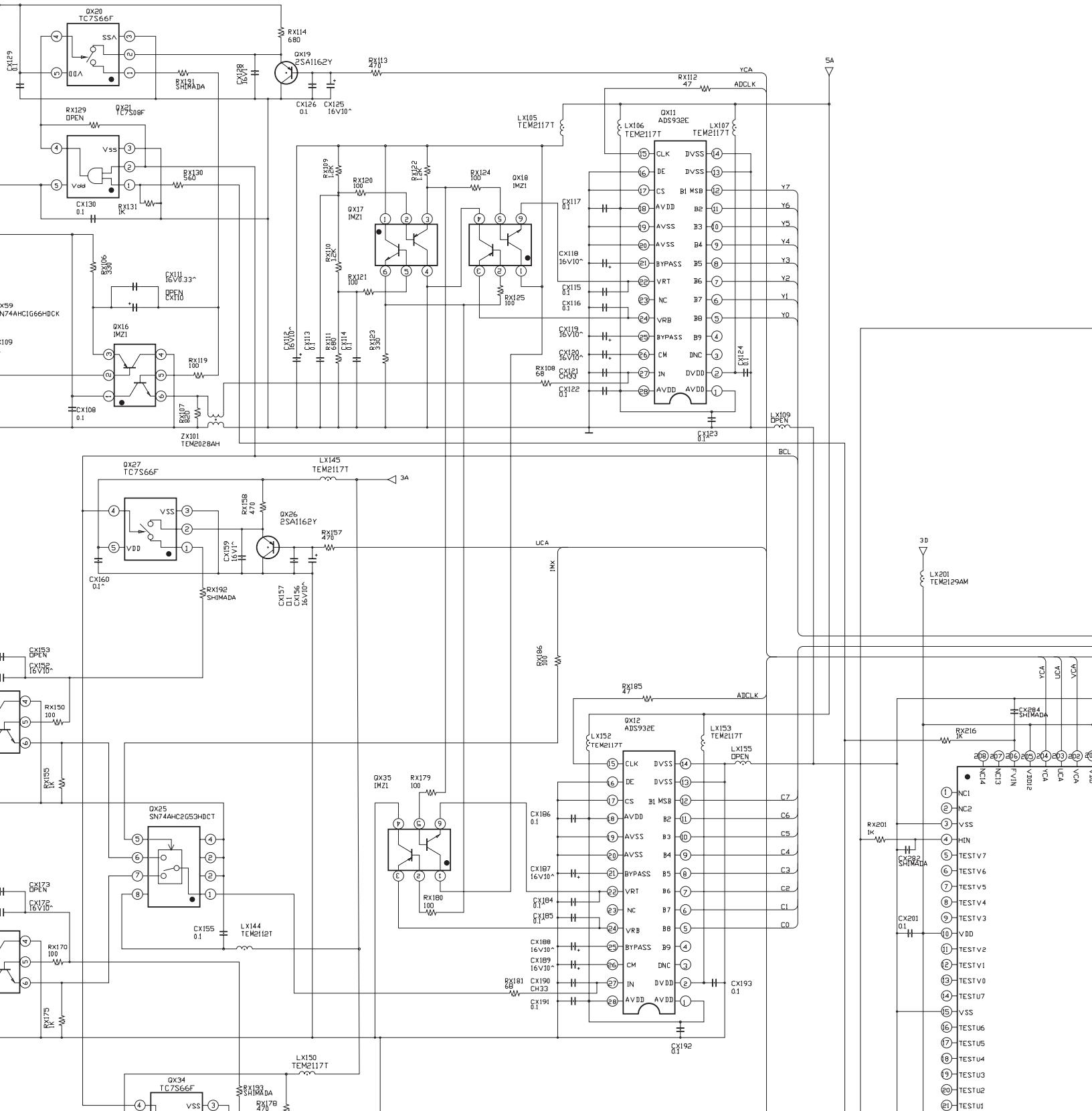
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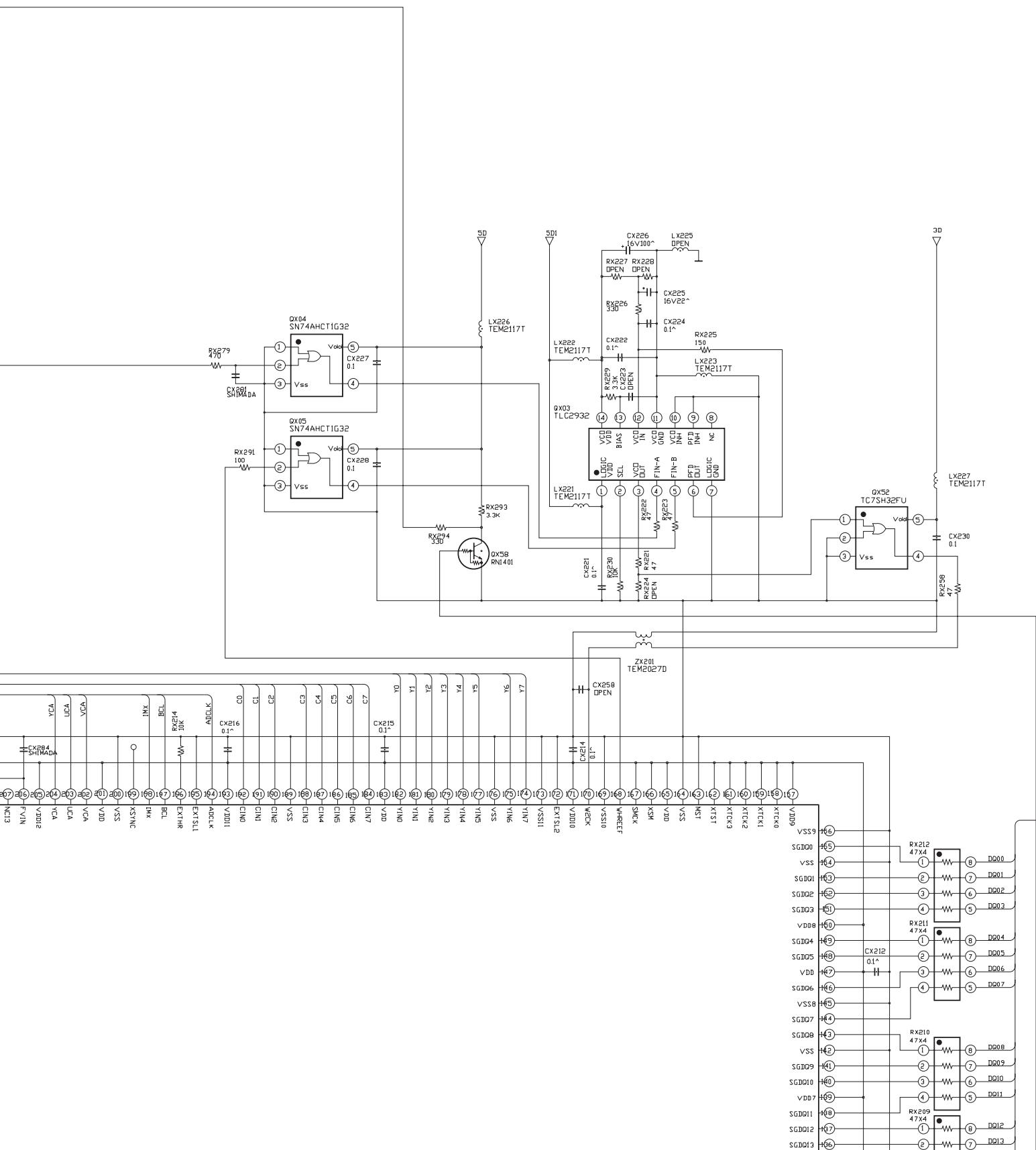
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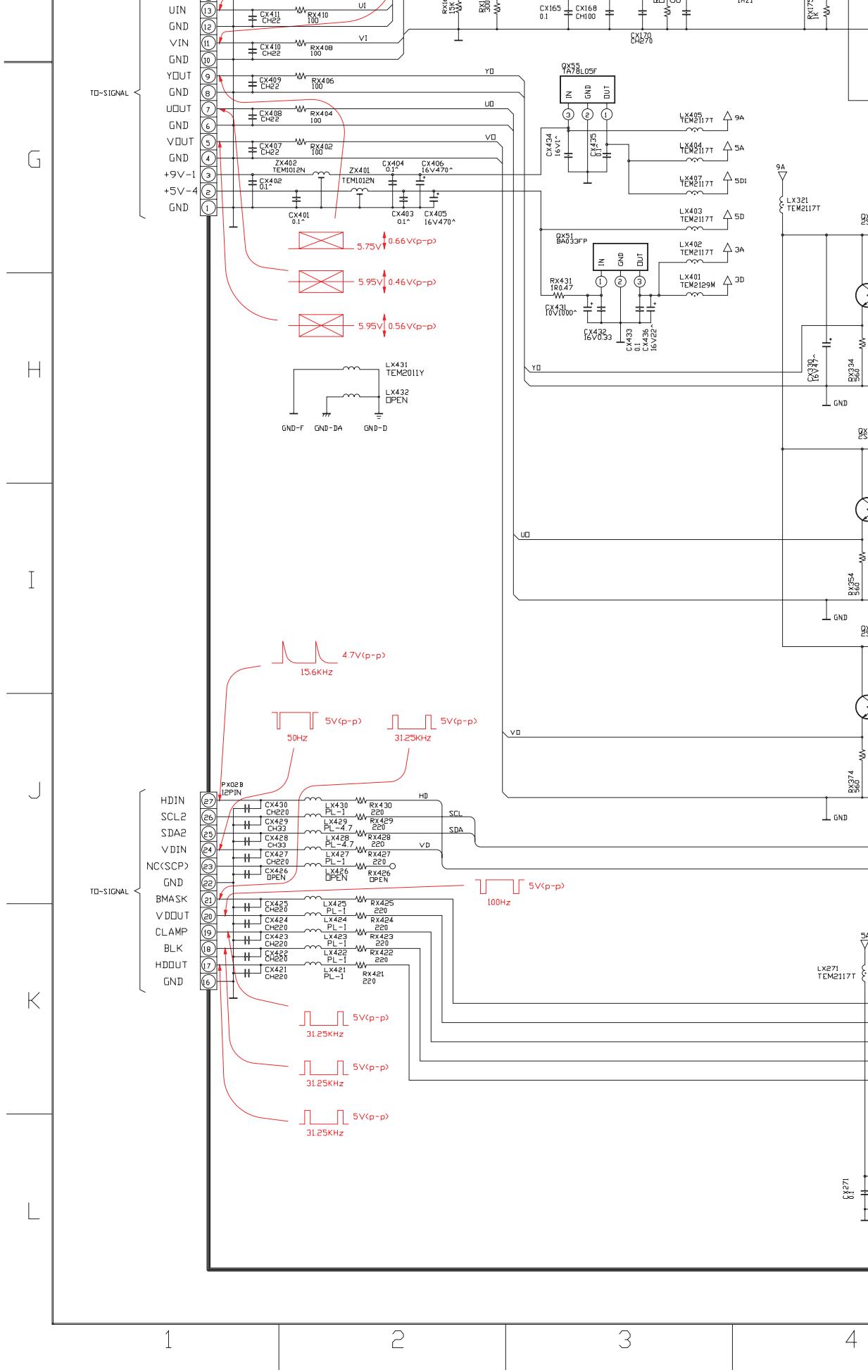
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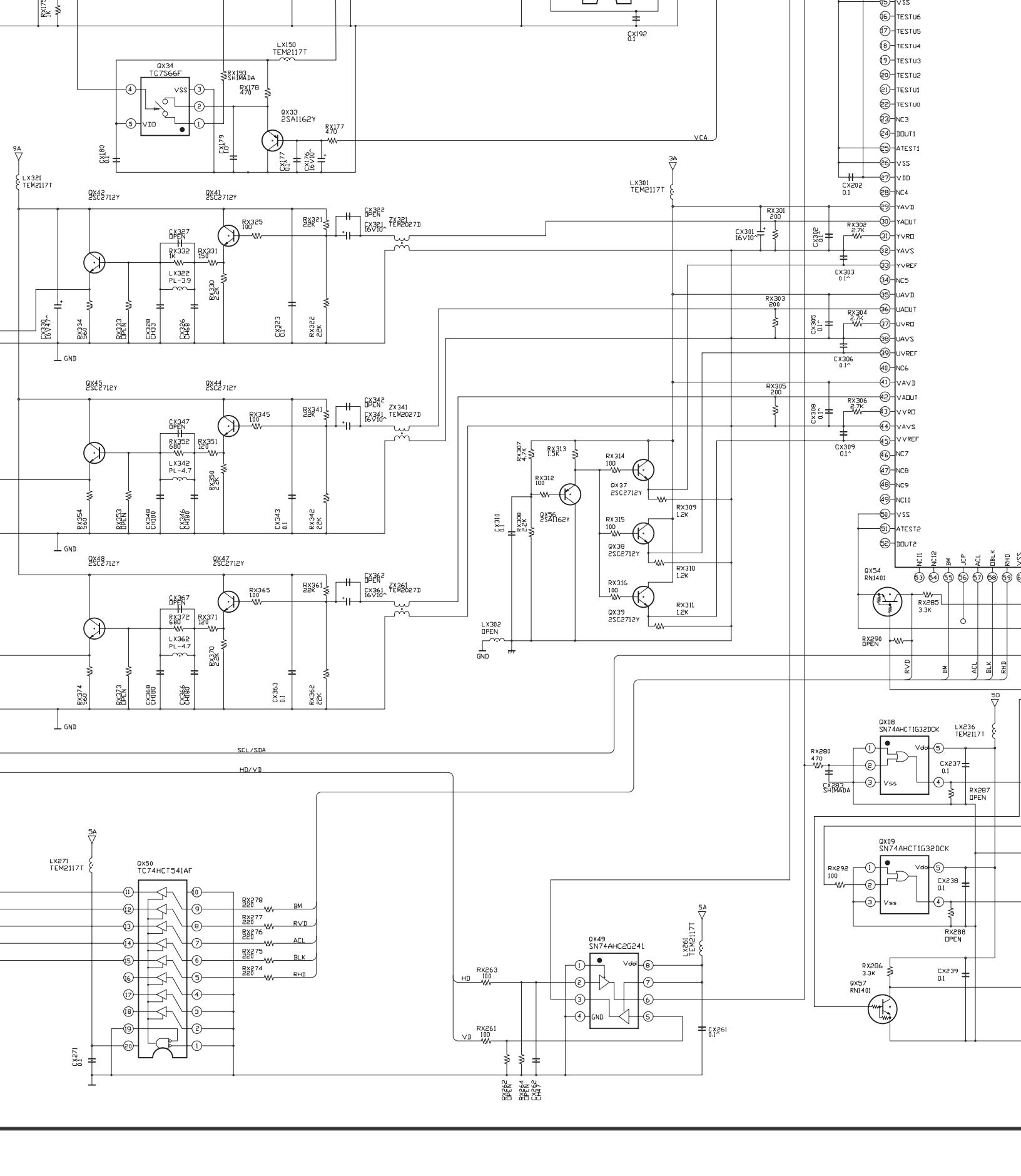
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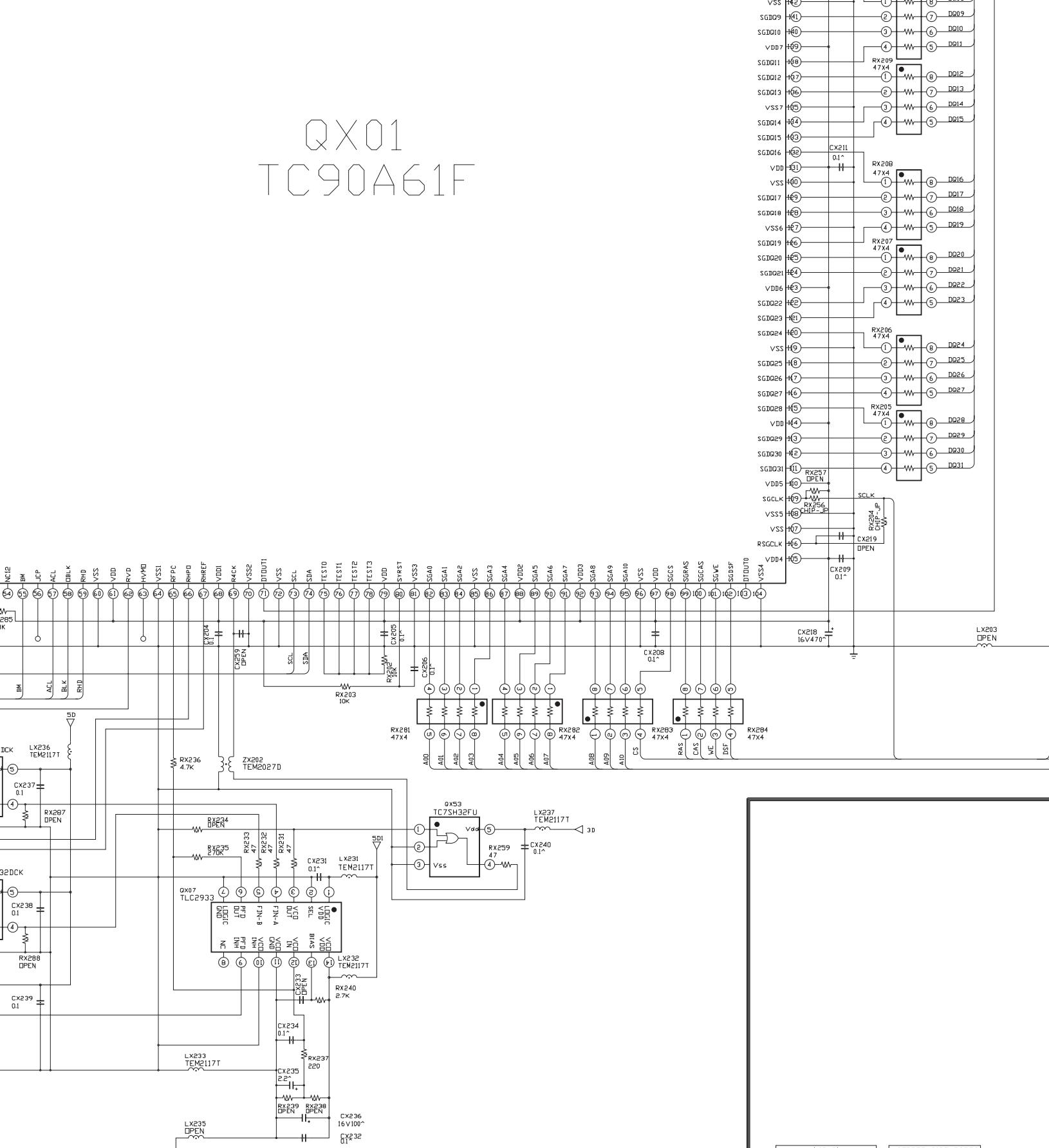
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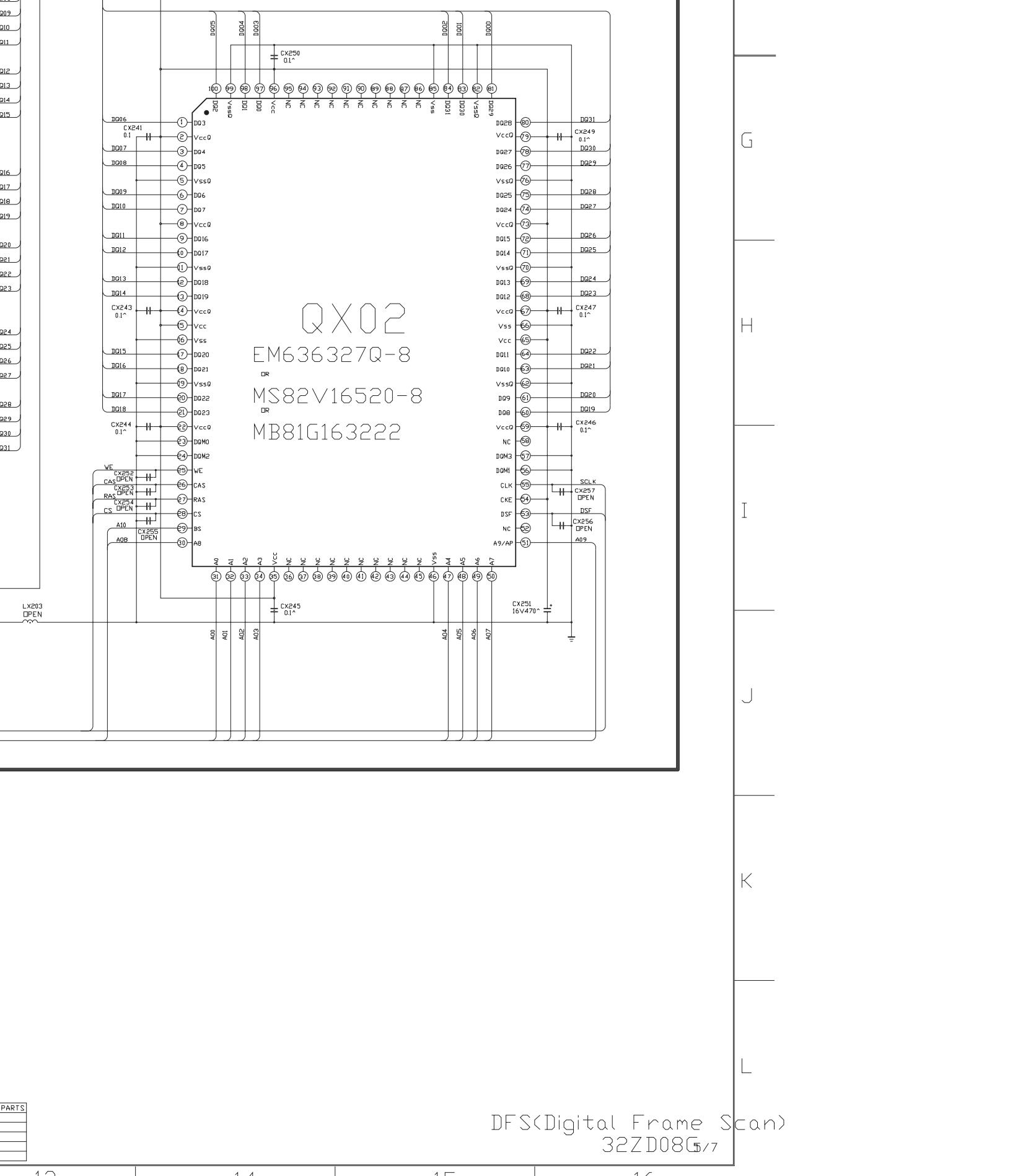


QX01
TC90A61F



	UNIT SN.
DFS	SN.23784880
	SN.
	SN.
	SN.

COPPER SIDE PARTS	
	SN.
	SN.
	SN.
	SN.



1

J103 D-COMB&MCD BOARD PB 9510A

B

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C

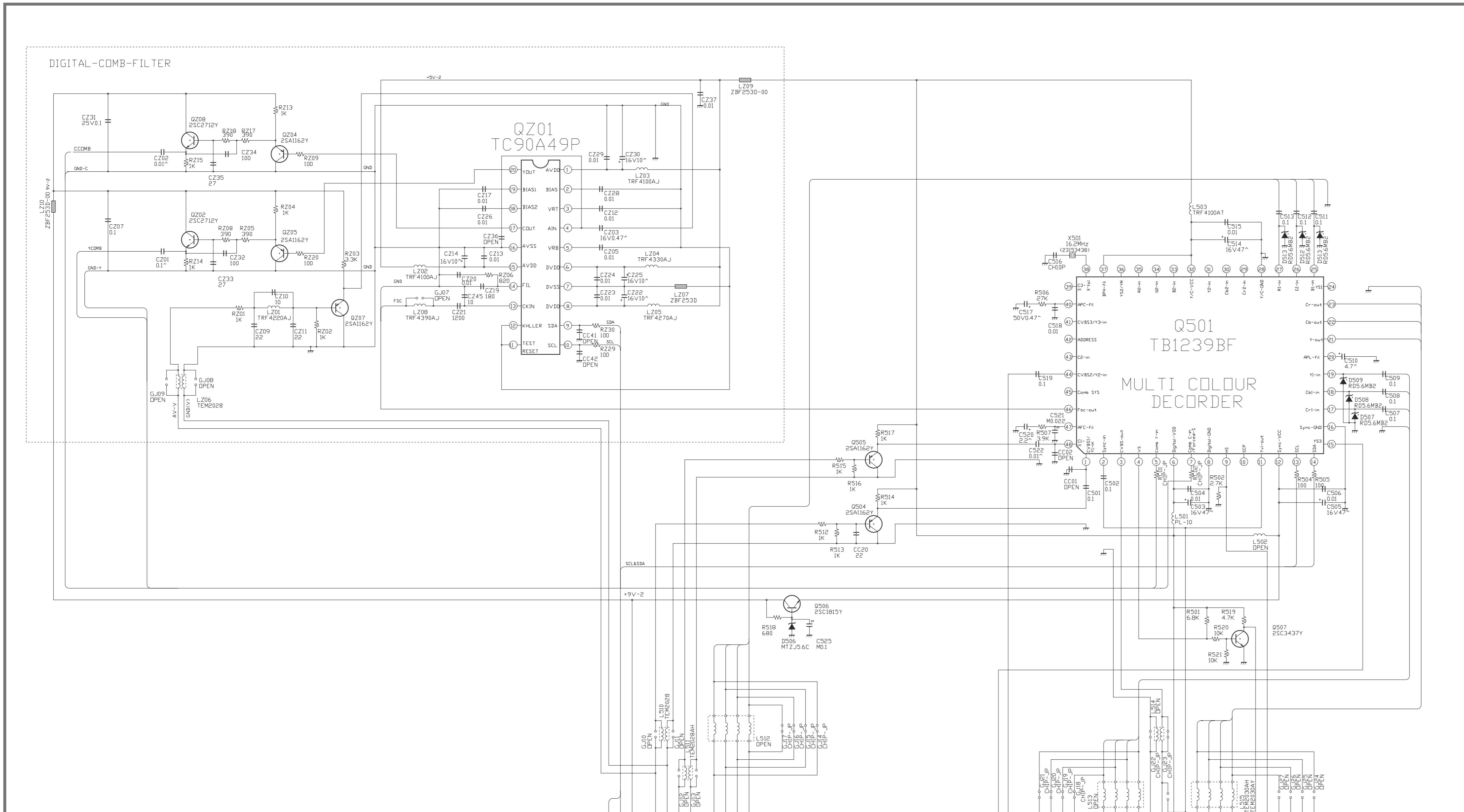
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UNIT SN.		COPPER SIDE PARTS	
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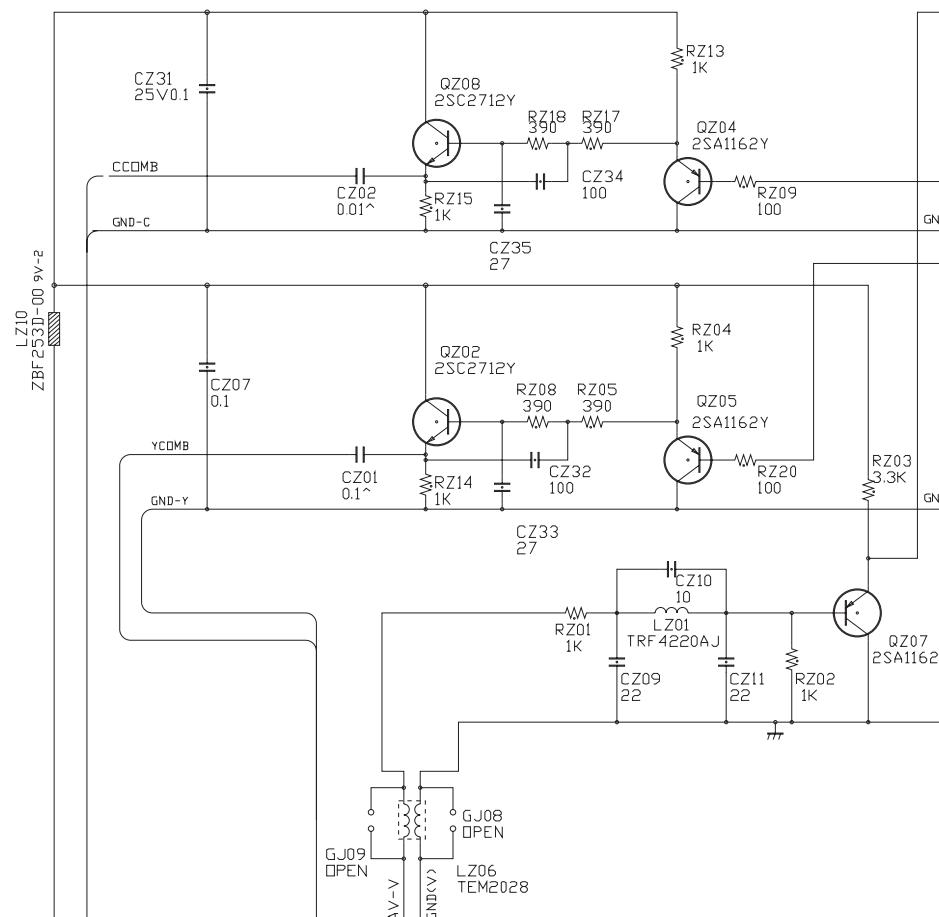
U103 D-COMB&MCD BOARD PB 9

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DIGITAL-COMB-FILTER

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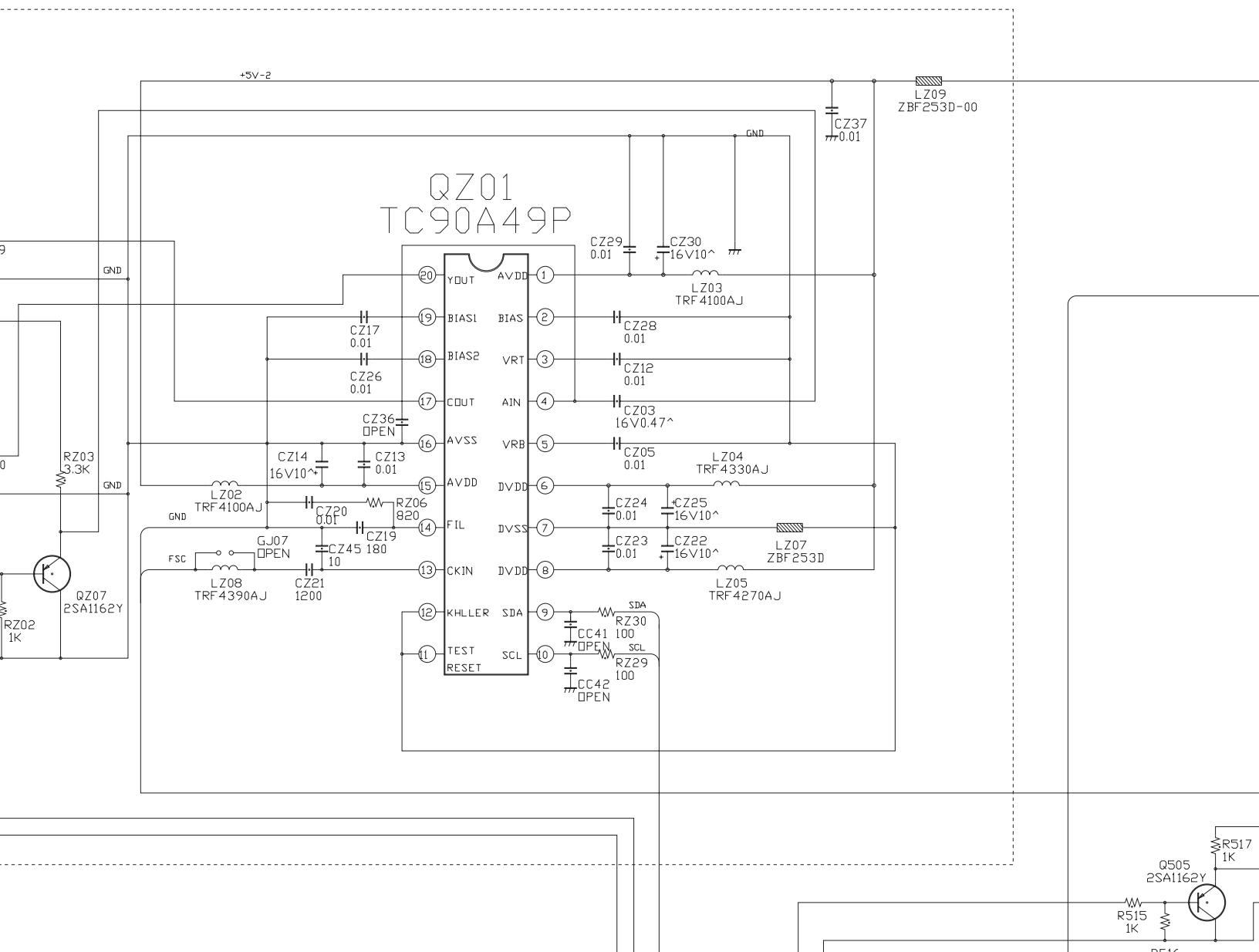
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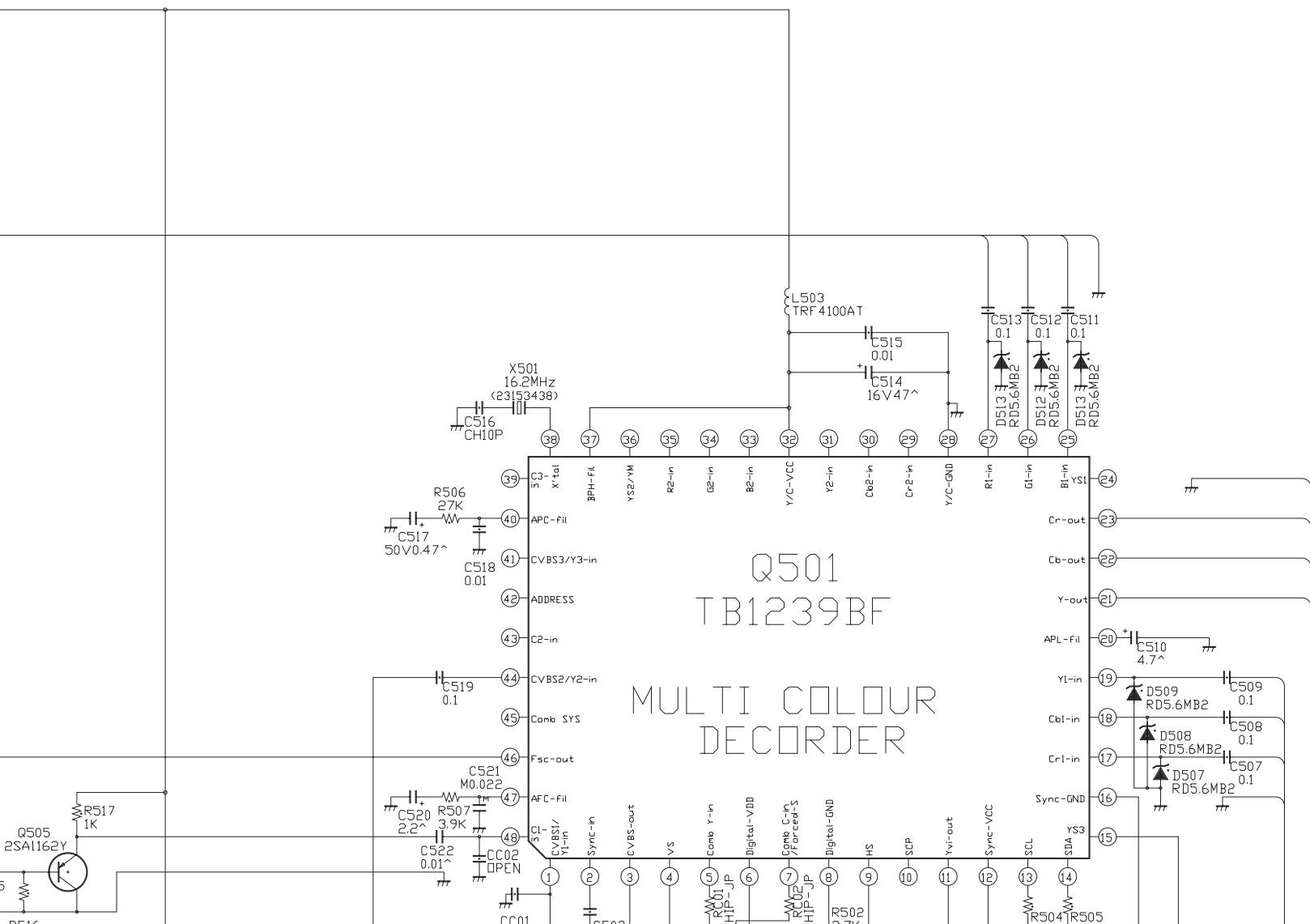
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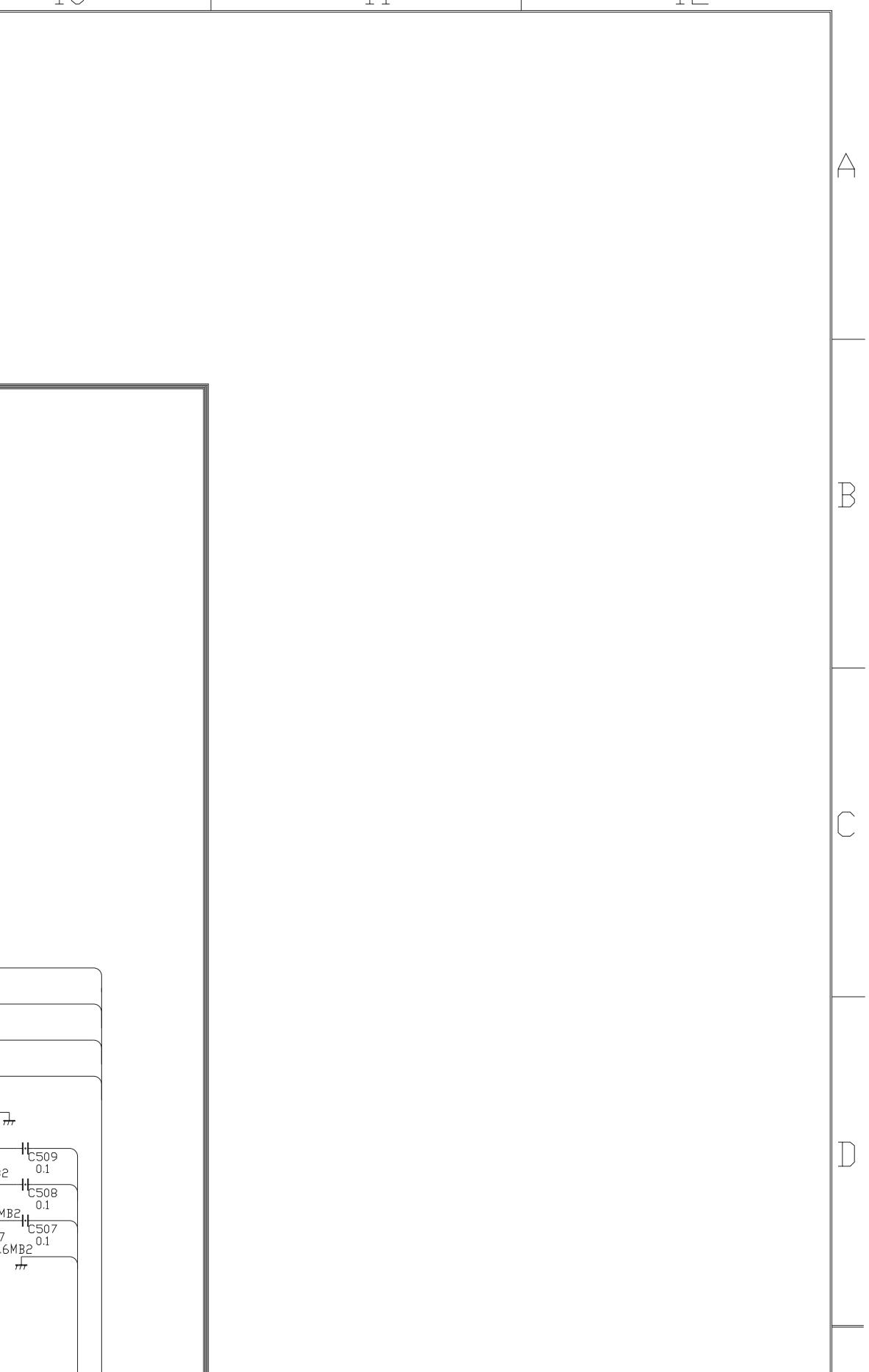
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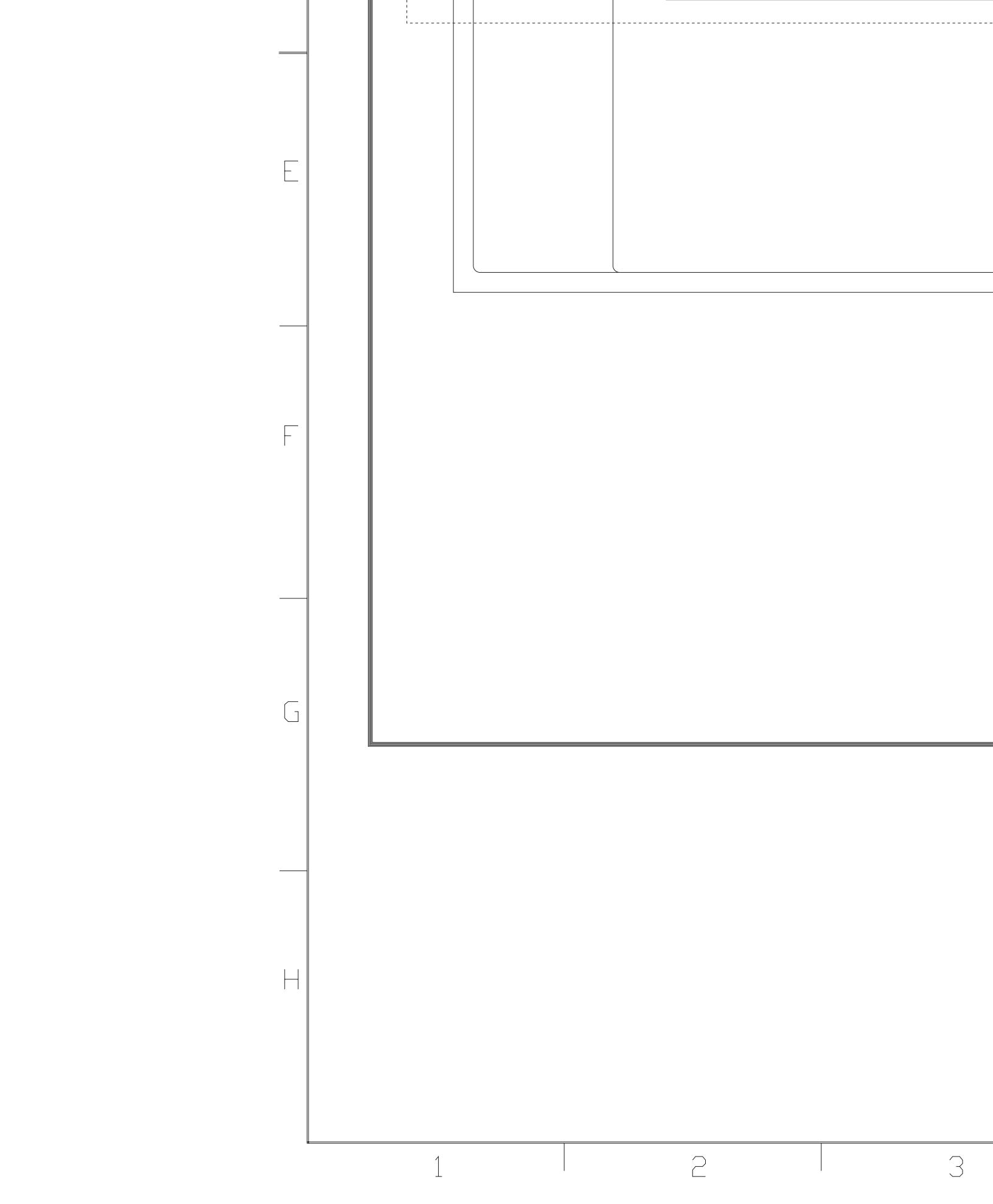
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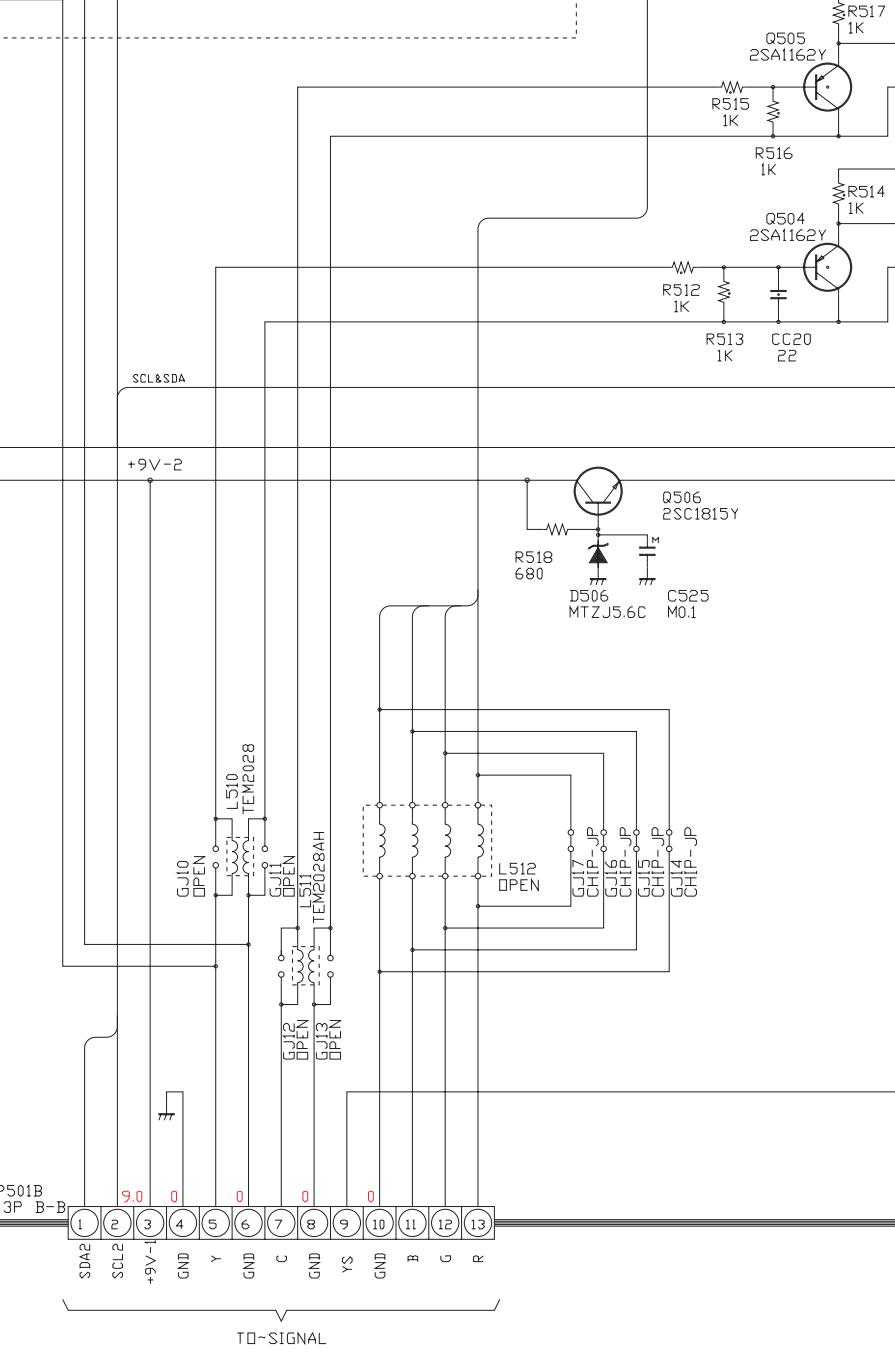
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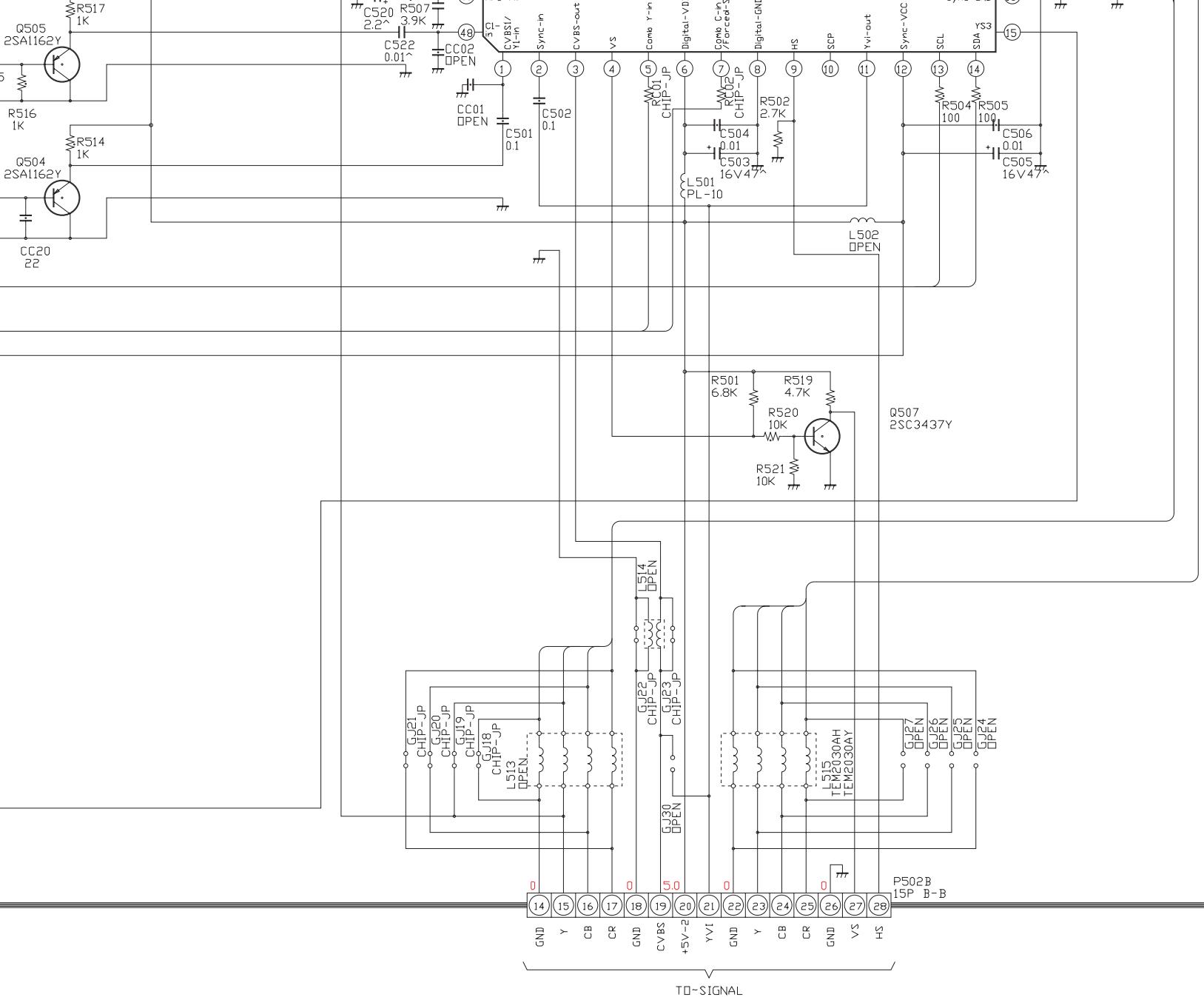












UNIT SN.	
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	SN.
	SN.

COPPER SIDE PARTS	
	SN.
	SN.
	SN.
	SN.

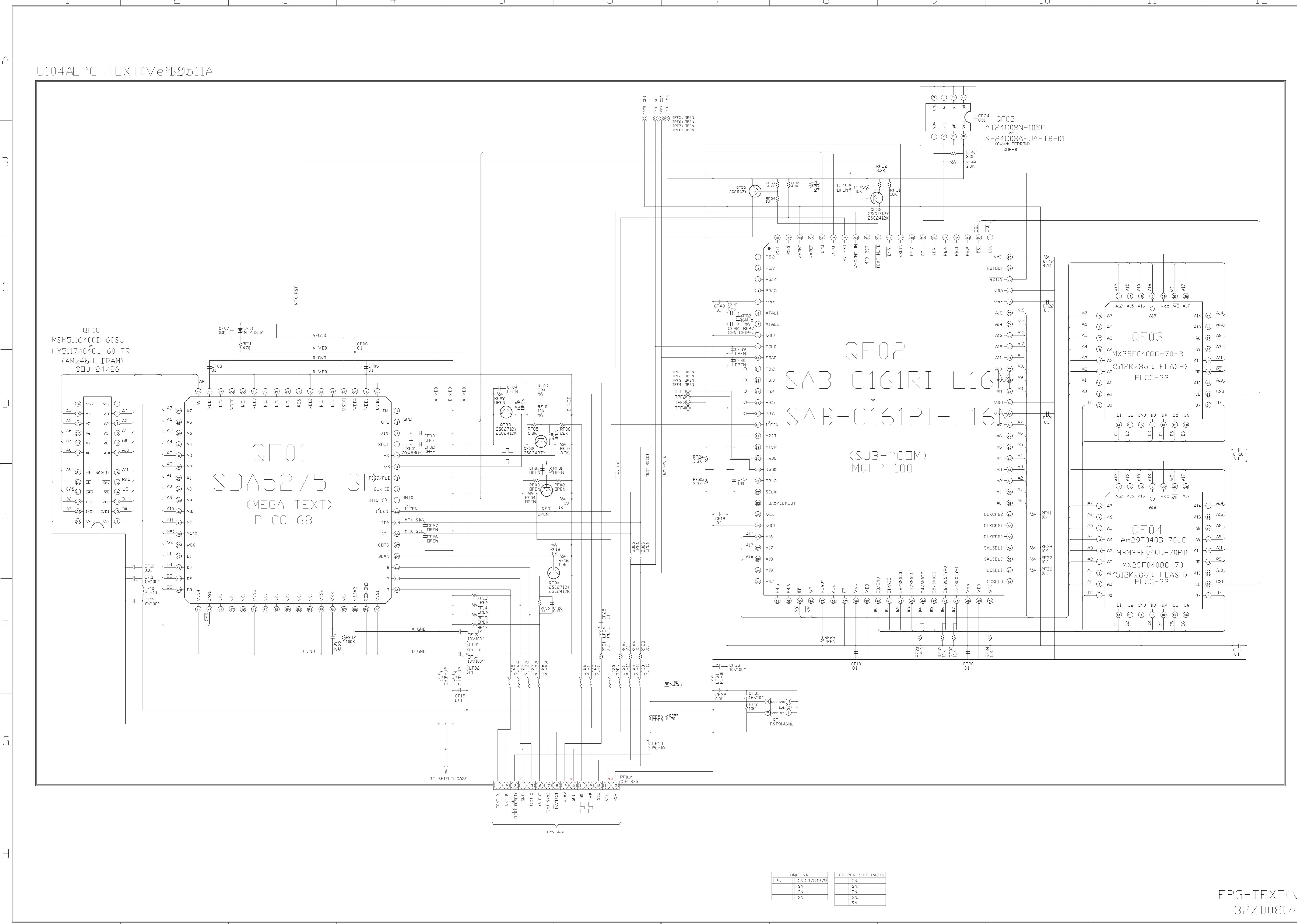
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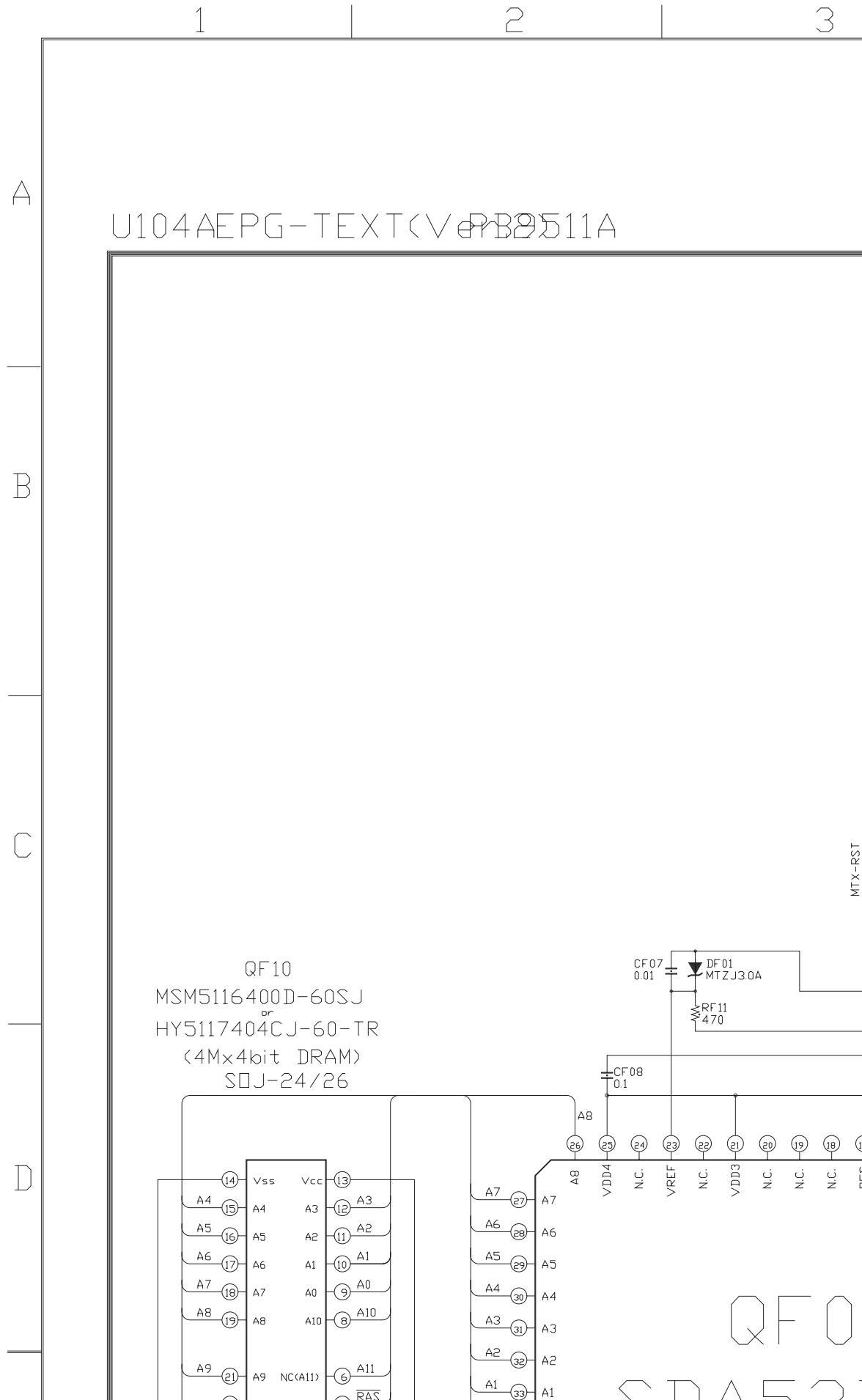
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D-COMB&MCD PART
32ZD08G 6/7



MTX-RST

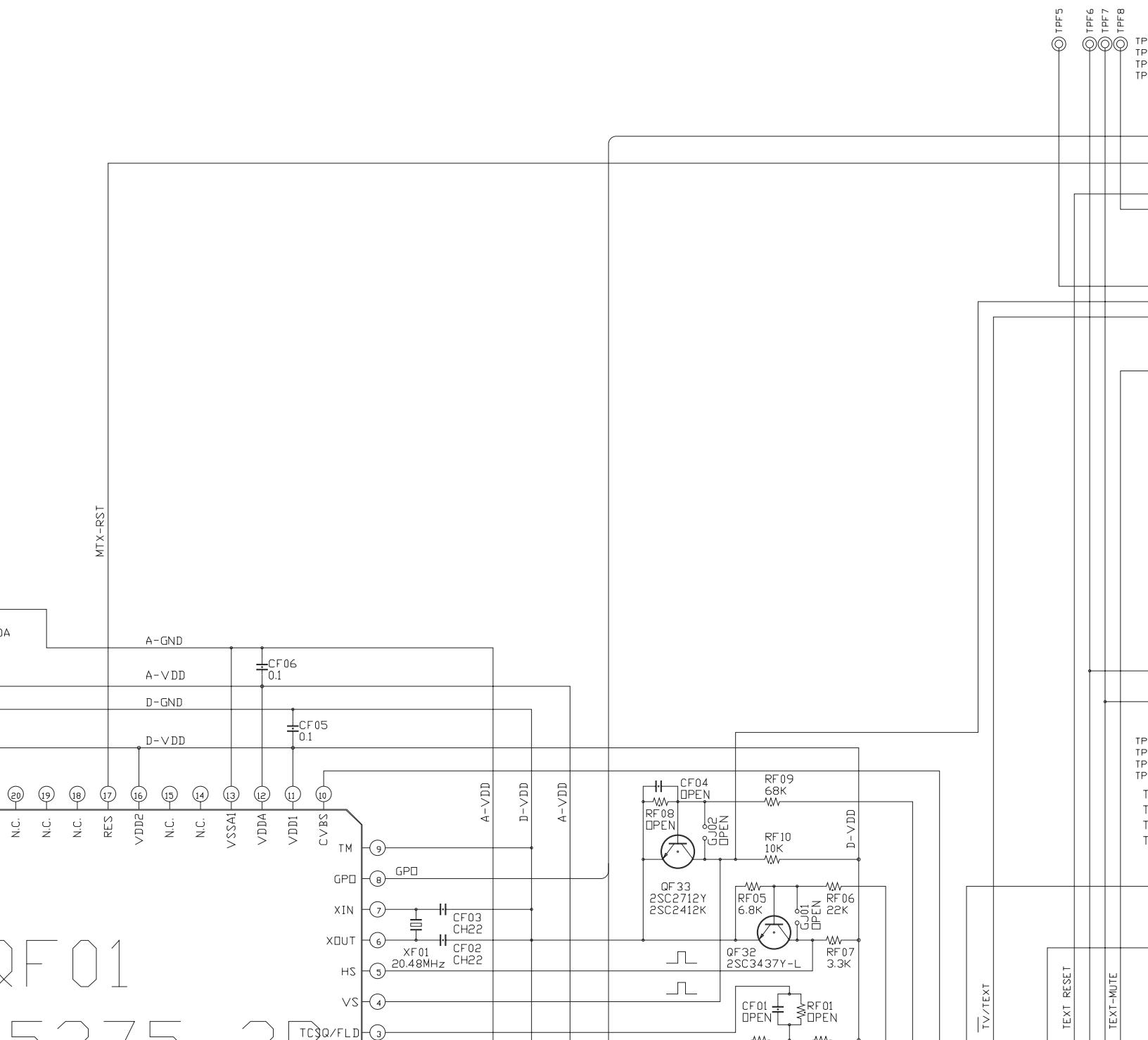


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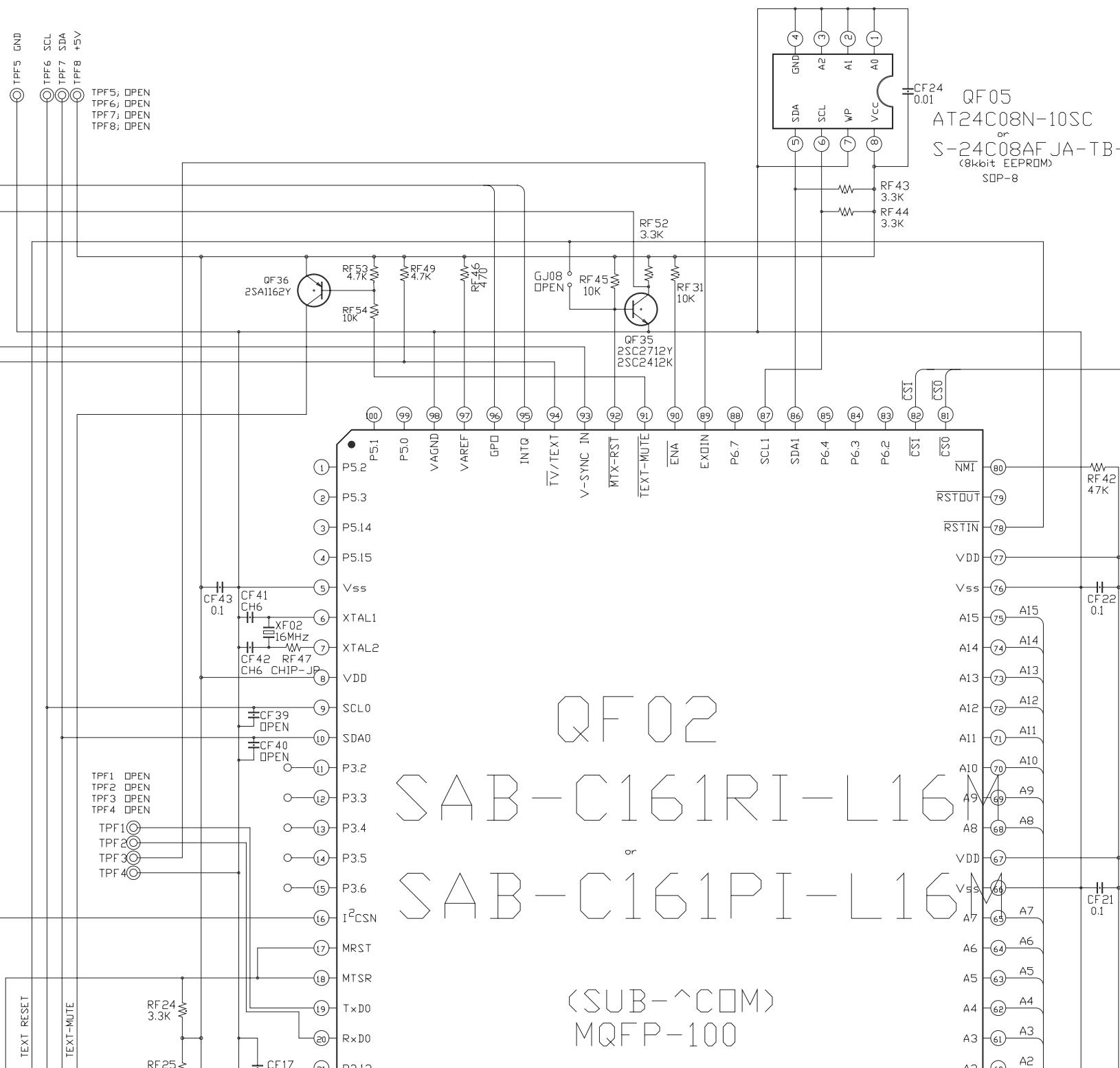


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BN-10SC
BAF JA-TB-01
PROM

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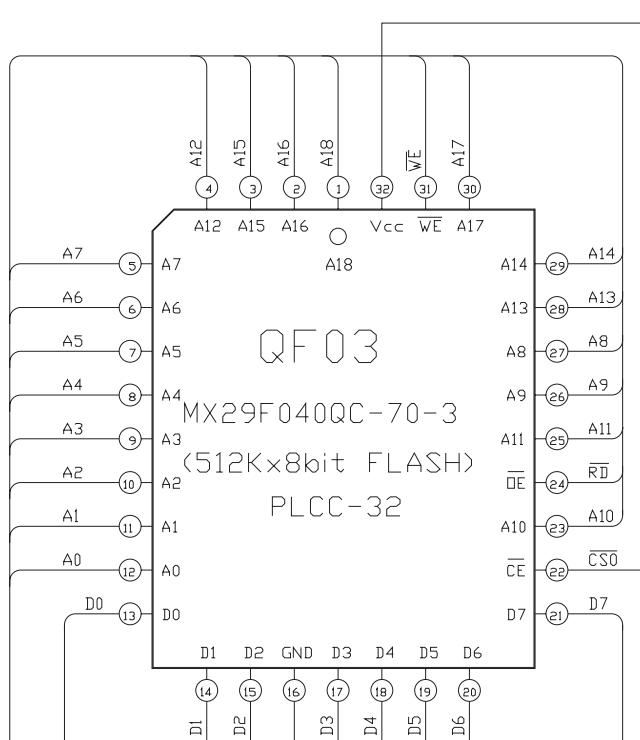
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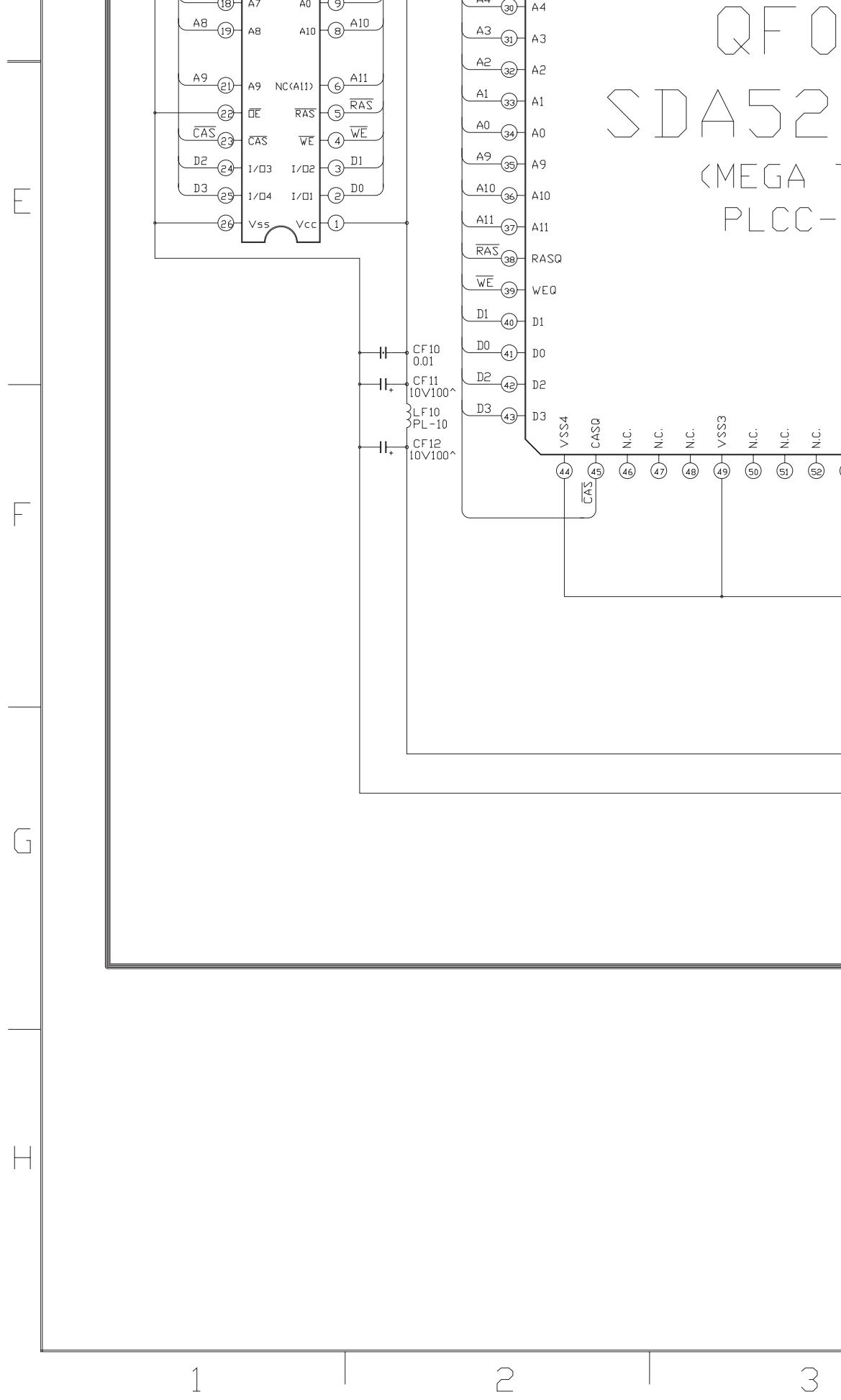
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MEGA T

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QF 01

5275-3

EGA TEXT)

PLCC-68

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VBB

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VSSA2

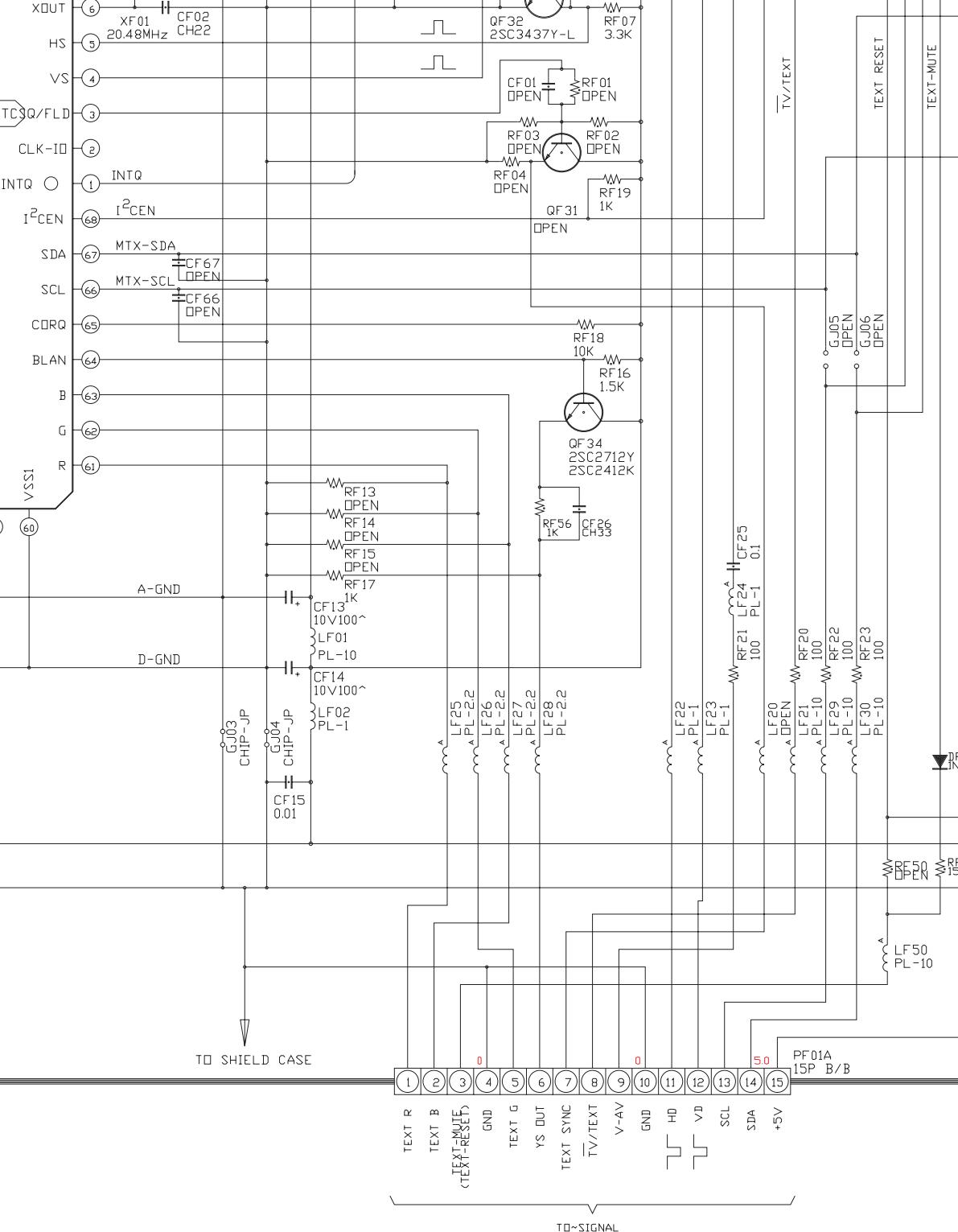
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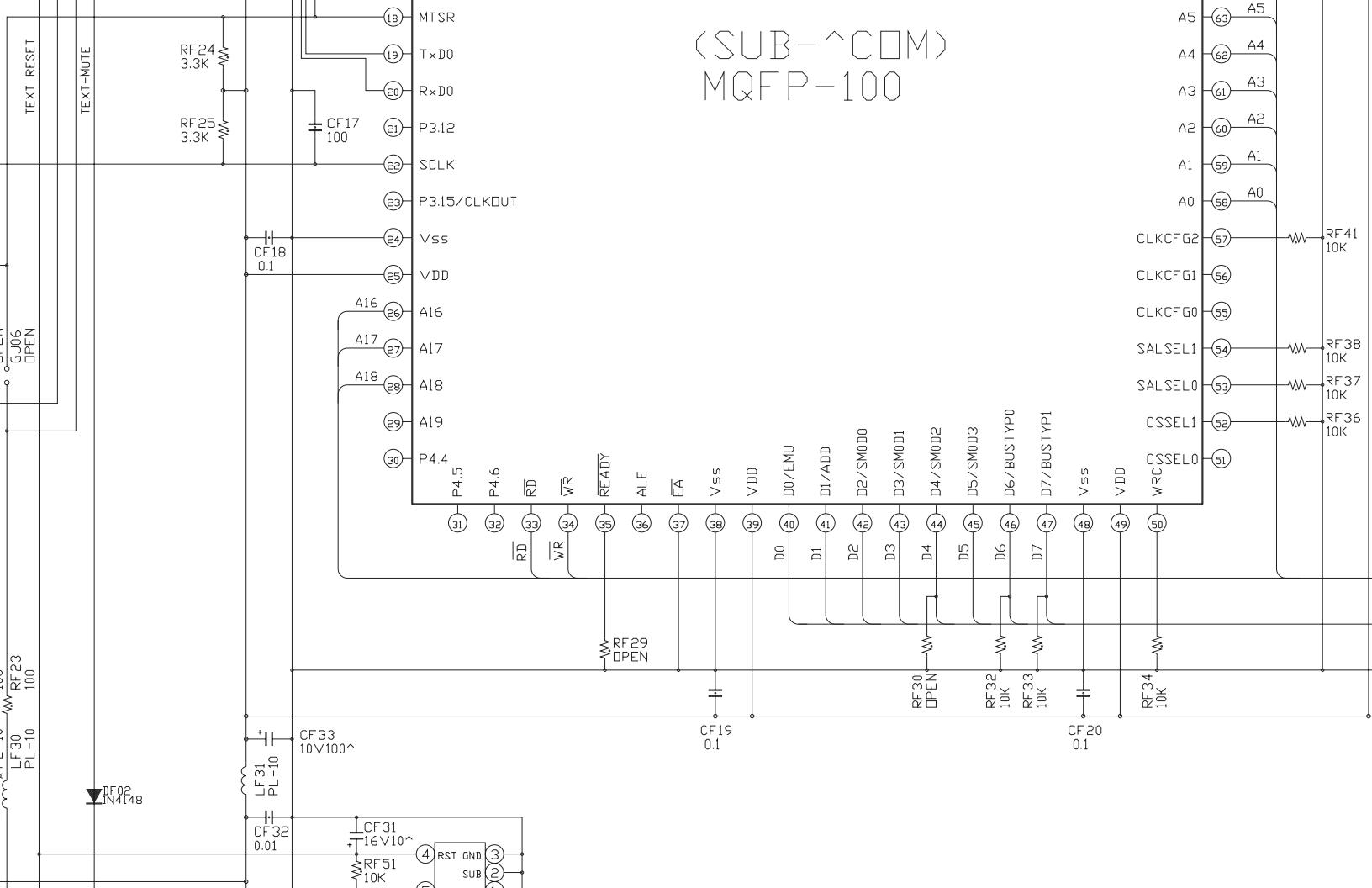
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OPENCF66
OPENCF04
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10KRF16
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2SC2712Y
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▼DF04

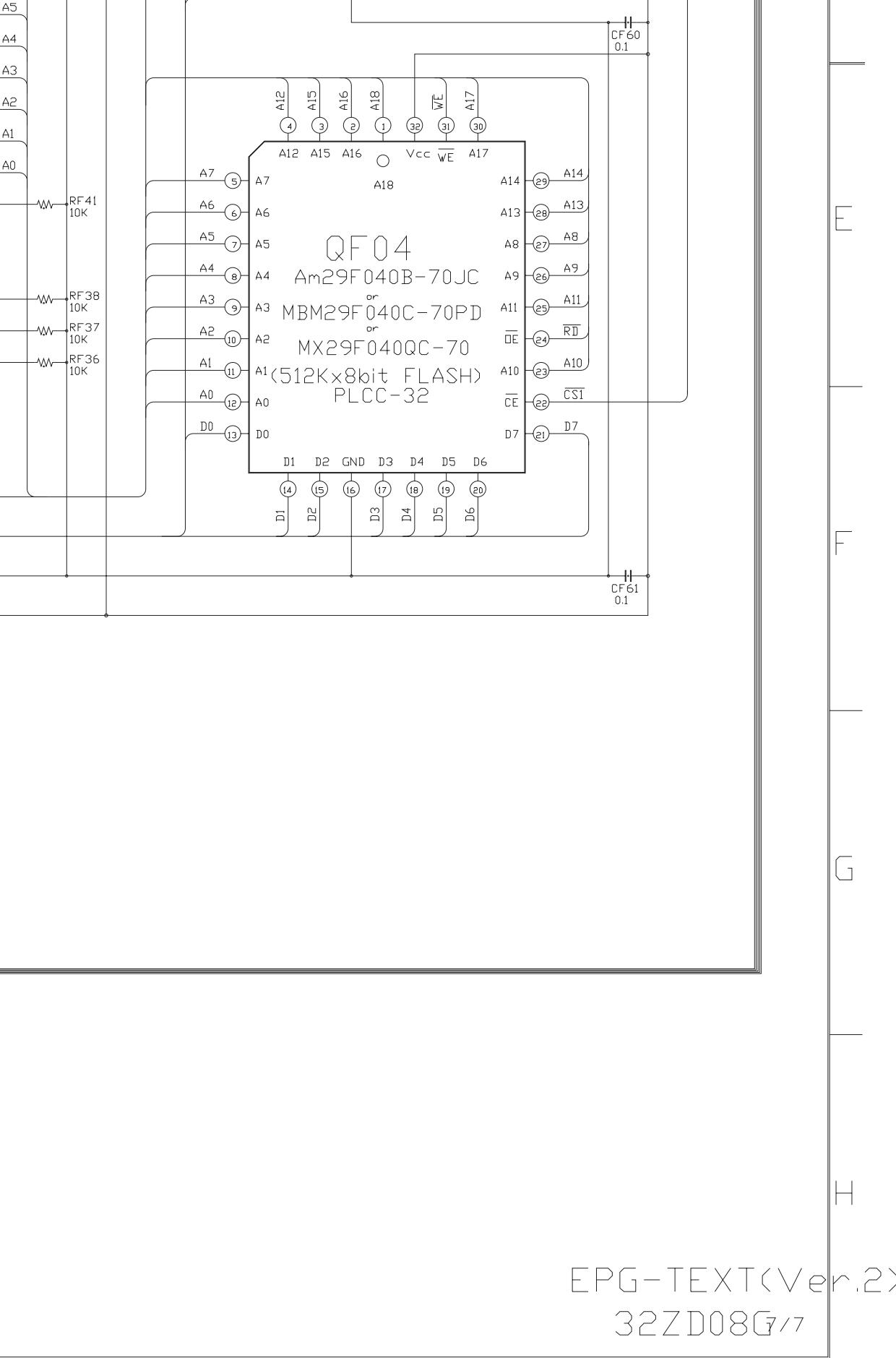


(SUB-COM)
MQFP-100



UNIT SN.	
EPG	SN.23784879
	SN.
	SN.
	SN.

COPPER SIDE PARTS	
	SN.



EPG-TEXT(Ver.2)
32ZD08G/7