

TOSHIBA

FILE NO. 030-200206

SERVICE MANUAL

COLOUR TELEVISION

ZD26 Chassis

32ZD26P

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CIRCUIT DIAGRAM

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.
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.

Refer to table-1 for high voltage (A), (B) & AC voltage (C). (See SETTING & ADJUSTING DATA on page 13)

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.

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 :

1. Color Purity
2. Convergence
3. White Balance

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

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

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

COLOR PURITY ADJUSTMENT

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

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

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

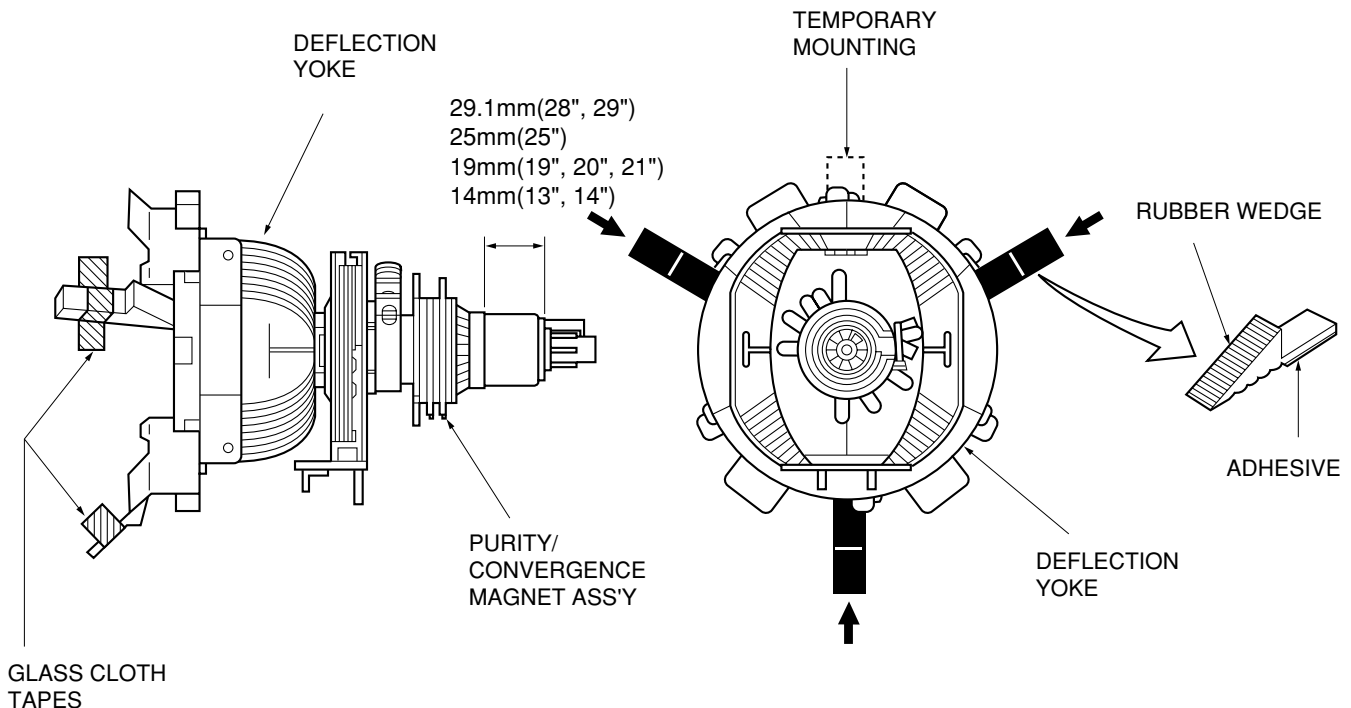


Figure 1.

CONVERGENCE ADJUSTMENTS

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

■ CENTER CONVERGENCE ADJUSTMENT

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

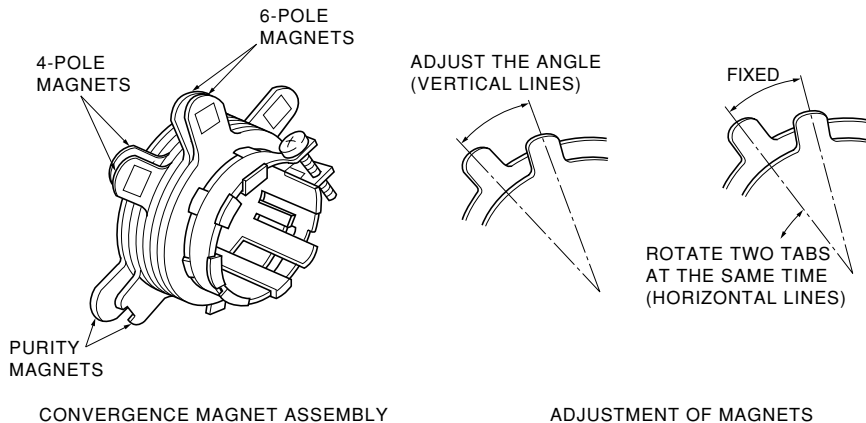
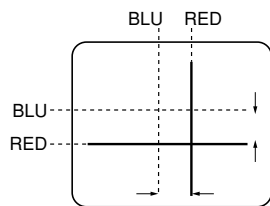
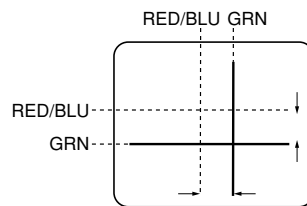


Figure 2.

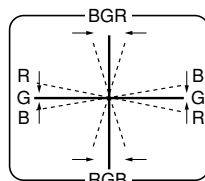


4-POLE MAGNETS MOVEMENT

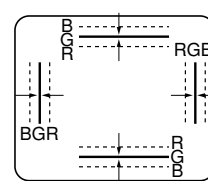


6-POLE MAGNETS MOVEMENT

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

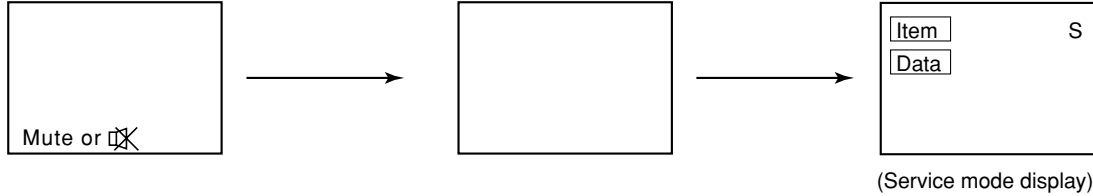
■ CIRCUMFERENCE CONVERGENCE ADJUSTMENT

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

SERVICE MODE

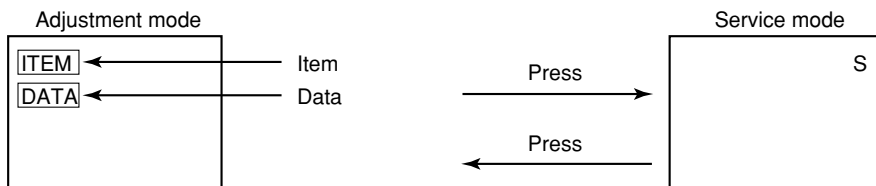
1. ENTERING TO SERVICE MODE

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










2. DISPLAYING THE ADJUSTMENT MENU

- 1) Press MENU button on TV.



3. KEY FUNCTION IN THE SERVICE MODE

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

A single horizontal line ON/OFF:	INFO button (on Remote) or  button (on TV)
Test signal selection :	 button (on Remote)
Selection of the adjustment items :	Channel  /  (on TV or Remote)
Change of the data value :	Volume  +/- (on TV or Remote)
Adjustment menu mode ON/OFF :	MENU button (on TV)
Initialization of the memory (QA02) :	CALL + Channel button on TV ()
Reset the count of operating protect circuit to "00":	CALL + Channel button on TV ()
"RCUT" selection :	1 button
"GCUT" selection :	2 button
"BCUT" selection :	3 button
"CNTX" (or "SCNT") selection :	4 button
"COLC" selection :	5 button - - - - Color thickness correction
"TNTC" selection :	6 button
Self diagnostic display ON/OFF :	9 button

note: Displayed differently as shown below, depending on the setting of the receiving color system.
 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 13)

5. ADJUSTING THE DATA

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

6. EXIT FROM SERVICE MODE

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

■ INITIALIZATION OF MEMORY DATA OF QA02

After replacing QA02, the following initialization is required.

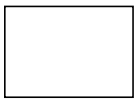
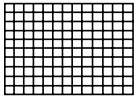
1. Enter the service mode, then select any register item.
2. Press and hold the CALL button on the Remote, then press the CHANNEL ▲ button on the TV. The initialization of QA02 has been completed.
3. Check the picture carefully. If necessary, adjust any adjustment item above.
Perform "Auto search Memory"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

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

7. TEST SIGNAL SELECTION

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

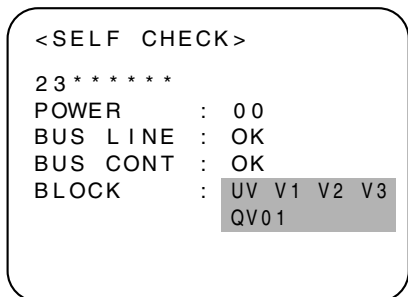
Signal off ———→ NTSC signals (5 patterns)
 ↑ PAL signals (5 patterns) ←

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 apt 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.

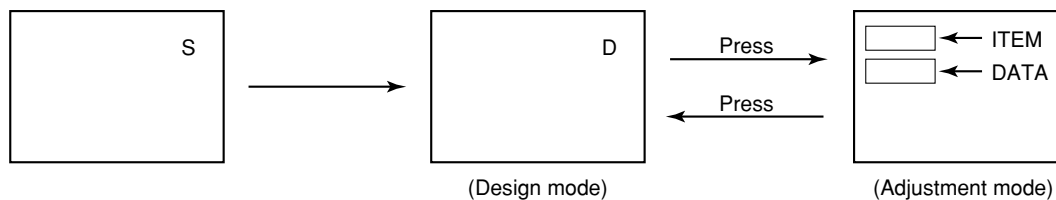
- (1) In case that power indicator is blinking with interval of 0.5 seconds; it means protecting circuit (Current limiter) is operating, and circuit components may possibly be damaged. Check related components.
- (2) In case that power indicator is blinking with interval of 1 second; Protecting circuit 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 \times 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

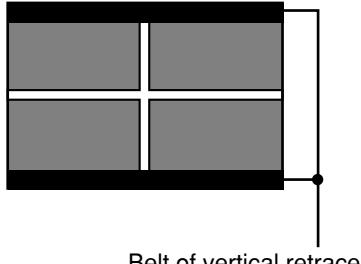
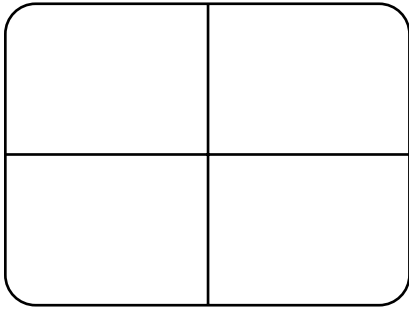
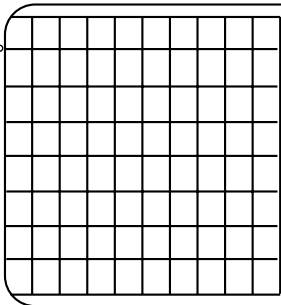
Every pressing of CHANNEL \blacktriangledown button in the design mode changes the adjustment items in the order of table-3. (\blacktriangle button for reverse order)




Refer to table-3 for data of design mode.
(See SETTING & ADJUSTING DATA on page 13)

3. ADJUSTING THE DATA

Pressing of VOLUME \blacktriangle or \blacktriangledown button will change the value of data.

ELECTRICAL ADJUSTMENTS

ITEM	ADJUSTMENT PROCEDURE
<p>FOCUS VR ADJ</p>	<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.
<p>SUB-BRIGHTNESS (BRTC)</p> <p>Note: Constrict the picture height until the vertical retrace line appears adjusting the item HIT (HEIGHT).</p>	<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 \triangleleft - /+ button to reduce the value so that white portion of inside pattern slightly light. 4. Adjust \triangleleft - /+ 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. <div style="text-align: right;">  <p>Belt of vertical retrace</p> </div>
<p>HORIZONTAL POSITION ADJUSTMENT (HPOS)</p> <p>VERTICAL POSITION ADJUSTMENT (VPOS)</p>	<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 \triangleleft - /+ buttons. <div style="text-align: center;">  </div>
<p>VERTICAL AMPLITUDE ADJUSTMENT (HIT)</p>	<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 \triangleleft - /+ buttons so that vertical amplitude lacks a little. 3. Adjust vertical amplitude with VOLUME \triangleleft - /+ buttons so that the first bar on cross-hatch signal touches edge of screen. <div style="text-align: right;">  <p>The first</p> </div>

ITEM	ADJUSTMENT PROCEDURE
<p>WHITE BALANCE ADJUSTMENT</p> <ul style="list-style-type: none"> ● CUTOFF ADJUSTMENT (RCUT) (GCUT) (BCUT) ● DRIVE ADJUSTMENT (GDRV) (BDRV) 	<ol style="list-style-type: none"> 1. Set Contrast to 40, and brightness to +20 by picture control. 2. Set the TV in service mode, and get the inside W/B adjusting signal with VIDEO button. 3. Select RCUT, GCUT and BCUT with CHANNEL ▲, ▼ buttons, to set individual values to Initial reference data, and to set GDRV and BDRV to Initial reference data with VOLUME ▲ – /+ buttons. 4. Press  button on the remote control and rotate Screen VR to get one slight horizontal line on screen. Note: Every pressing of  button provides Horizontal line picture and Normal picture alternately. 5. Press  button to release horizontal line picture, and select the two other colors which did not light in the above step with CHANNEL ▲, ▼ buttons. Then tap VOLUME ▲ – /+ buttons so that three colors slightly light in the same level. <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> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; margin-top: 20px;"> <div style="border: 1px solid black; width: 150px; height: 30px; margin: 0 auto; text-align: center; padding: 2px;">Light area check (to show white)</div> <div style="text-align: center; margin-top: 100px;">Dark area check (to show black)</div> </div>

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 13)

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)	33.4 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	HPOS	50Hz H-POSITION	34H
GCUT	G CUTOFF (B/W)	40H	VPOS	V-POSITION	00H
BCUT	B CUTOFF (B/W)	40H	HIT	HEIGHT	2BH
GDRV	R DRIVE	35H	VLIN	V-LINEARITY	10H
BDRV	B DRIVE	35H	VSC	V-S CORRECTION	2AH
CNTX	SUB CONTRAST MAX	7FH	VPS2	V-SHIFT	40H
BRTC	SUB BRIGHT CEN	80H	WID	PICTURE WIDTH	25H
COLC	SUB COLOR CEN NTSC	02H	PARA	E-W PARABOLA	0FH
TNTC	SUB TINT CEN	1EH	CNR	E-W CORNER	0EH
COLP	SUB COLOR CEN PAL	05H	TRAP	TRAPEZIUM	40H
COLS	SUB COLOR CEN SECAM	08H	CPAR	WIDE CENT PARA	06H
COLD	SUB COLOR CEN DTV	41H	HSC	WIDE EW S CORR	10H
SCNT	SUB CONTRAST	08H	VPSI	WIDE V-POS	7AH
SRY	SECAM R-Y	07H	CSAW	WIDE CENT SAW	08H
SBY	SECAM B-Y	04H			

Table-2

【DESIGN MODE】

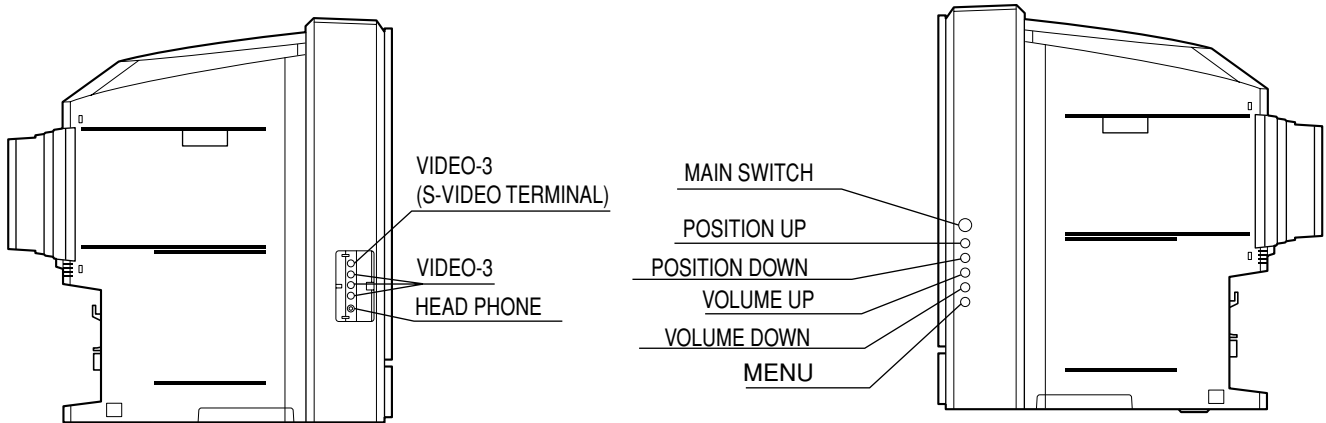
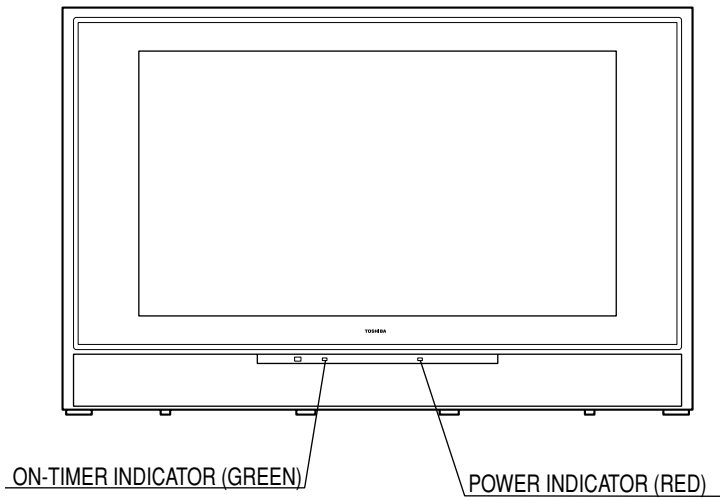
ADJUSTING ITEMS AND DATAS IN THE DESIGN MODE:

Item	Name of adjustment	Preset Data	Data	Remarks
OPT0	OPTION 0	80H	←	
OPT1	OPTION 1	46H	←	
OPT2	OPTION 2	20H	←	
OPT3	OPTION 3	00H	←	

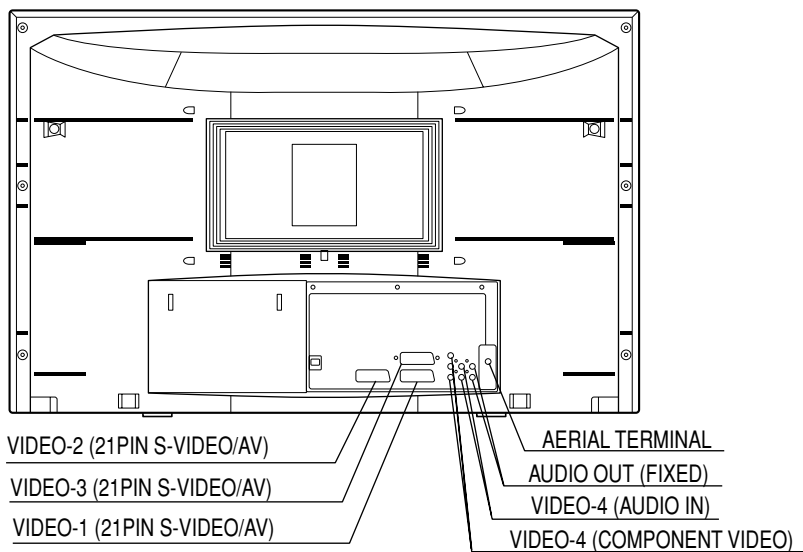
Table-3

LOCATION OF CONTROLS

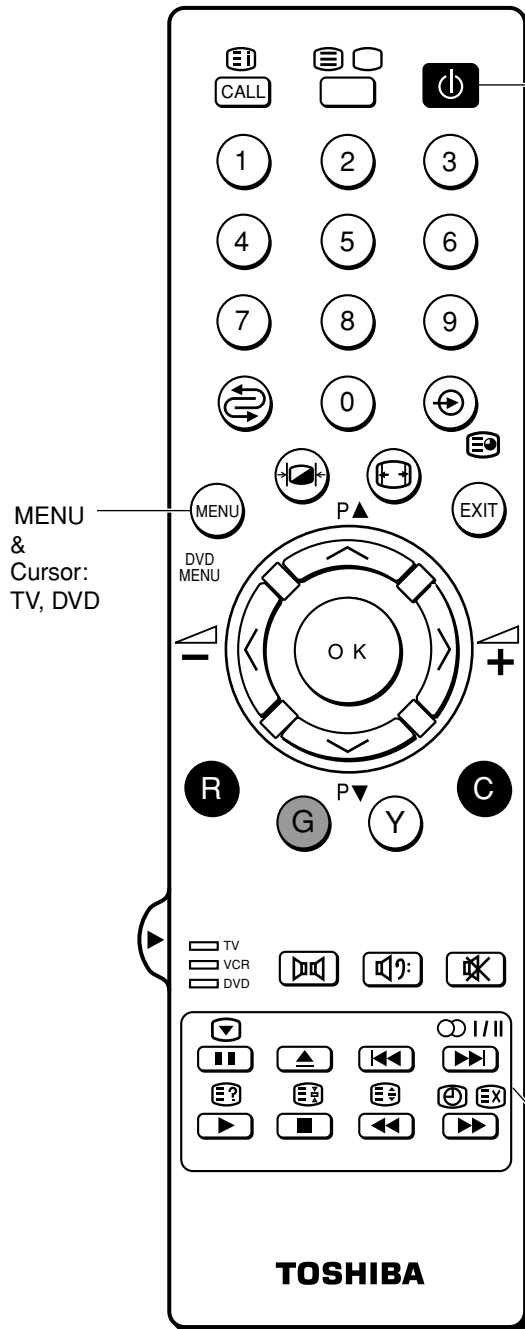
Front



Rear terminals



Remote Controller



Power Key: TV, VCR, DVD

MENU
&
Cursor:
TV, DVD

1. TEXT Sub Function

<HOLD, REVEAL, F-T-B, TIME/TXCL, SUB PAGE>



----- Only TV mode operation

2. VCR & DVD Common

<Power, Play, Stop, Pause, Eject,>



FF, REV, Skip - FWD, Skip - REV>

3. Key Name (by special characters)

- Power ON - Standby
- TEXT INDEX
- TEXT / TV
- VIDEO INPUT
- SELECTABLE PICTURE
- MUTE
- VOLUME +, -
- POSITION(CH.) Up/Down
- Size
- STILL PICTURE
- Sub Woofer
- SURROUND
- Stereo Bilingual
- Previous Ch.
- INFO.

Switched
TV Mode
VCR Mode
DVD Mode

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 " \triangle " 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 : 32ZD26P

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 $\pm 5\%$, 50V and all resistors, $\pm 5\%$, 1/6W unless otherwise noted.)

SPECIFIC INFORMATIONS

Location No.	Parts No.	Description
CAPACITORS		
C102	24793221	ELECTROLYTIC, 10V 220UF M
C105	24109102	CERAMIC CHIP, 50V B 1000PF K
C106	24797100	ELECTROLYTIC, 50V 10UF M
C108	24793221	ELECTROLYTIC, 10V 220UF M
C109	24109103	CERAMIC CHIP, 50V B 10000PF K
C115	24109103	CERAMIC CHIP, 50V B 10000PF K
C160	24503045	PLASTIC FILM, 63V 0.22UF J
C205	24797229	ELECTROLYTIC, 50V 2.2UF M
C206	24794100	ELECTROLYTIC, 16V 10UF M
C302	24214471	CERAMIC DISC, 500V B 470PF K
C303	24214471	CERAMIC DISC, 500V B 470PF K
C305	24795222	ELECTROLYTIC, 25V 2200UF M
C308	24797221	ELECTROLYTIC, 50V 220UF M
C309	24591102	PLASTIC FILM, 50V 1000PF J
C310	24795222	ELECTROLYTIC, 25V 2200UF M
C313	24082057	PLASTIC FILM, 100V 220000PF J
C316	24795471	ELECTROLYTIC, 25V 470UF M
C317	24214102	CERAMIC DISC, 500V B 1000PF K
C318	24794471	ELECTROLYTIC, 16V 470UF M
C320	24795471	ELECTROLYTIC, 25V 470UF M
C321	24503051	MT PLA CAP 63V 0.68UF J
C322	24617915	ELECTROLYTIC, 50V 1UF K 3A LI
C323	24503049	PLASTIC FILM, 63V 0.47UF J
C325	24590223	PLASTIC FILM, 50V 0.022MF J
C326	24797010	ELECTROLYTIC, 50V 1UF M
C327	24794471	ELECTROLYTIC, 16V 470UF M
C329	24503045	PLASTIC FILM, 63V 0.22UF J
C331	24503038	MT PLA CAP 63V 0.056UF J
C332	24212102	CERAMIC DISC, 50V B 1000PF K
C361	24590223	PLASTIC FILM, 50V 0.022MF J
C366	24082052	PLA CAP M-L 100V 823J
C370	24794100	ELECTROLYTIC, 16V 10UF M
C372	24797470	ELECTROLYTIC, 50V 47UF M
C373	24797470	ELECTROLYTIC, 50V 47UF M
C410	24092341	CERAMIC DISC, 2KV R 470PF K
C413	24214392	CERAMIC DISK CK45 B 500V 3900PF K
C416	24676330	ELECTROLYTIC, 100V 33UF M 3A
C417	24214391	CERAMIC DISC, 500V B 390PF K
C419	24212102	CERAMIC DISC, 50V B 1000PF K
C420	24794101	ELECTROLYTIC, 16V 100UF M
C421	24232103	CERAMIC DISC, 50V F 10000PF Z

Location No.	Parts No.	Description
C421	24503041	PLASTIC FILM , 63V 0.1UF J
\triangle C423	24503124	PLASTIC CAP T 400V 683J
C430	24829203	PLASTIC FILM, 400V 20000PF J
C431	24232103	CERAMIC DISC, 50V F 10000PF Z
C441	24082636	MT PLA CAP T 400V 624J
\triangle C444	24503195	MT PLA CAP T 1800VH 512H
C445	24828473	PLASTIC FILM, 200V 47000PF J
C446	24679330	ELECTROLYTIC, 250V 33UF M 3A
C447	24829363	PLASTIC FILM, 400V 36000PF J
C448	24640908	ELECTROLYTIC, 160V 33UF M 3A LI
\triangle C461	24503196	MT PLA CAP T 1800VH 562H
C462	24073044	ELECTROLYTIC, 16V 3300UF M 3A
\triangle C464	24503149	PLASTIC FILM, 250V 3.3UF
C466	24503231	MT PLA CAP T 1250VH 122H
\triangle C466	24503261	MT PLA CAP T 1250VH 682H
\triangle C467	24503253	MT PLA CAP T 1250VH 103H
\triangle C468	24503253	MT PLA CAP T 1250VH 103H
C470	24794470	ELECTROLYTIC, 16V 47UF M
C471	24503046	MT PLA CAP M 63V 274J
C472	24503049	PLASTIC FILM, 63V 0.47UF J
C473	24669010	ELECTROLYTIC, 50V 1.0UF M 3A
C475	24820822	PLASTIC FILM, 630V 8200PF J
C476	24794220	ELECTROLYTIC, 16V 22UF M
C478	24591563	PLASTIC FILM, 50V 0.056MF J
C481	24085988	ELECTROLYTIC, NONPOLAR, 50V 1.0UF M 7L
C482	24212152	CERAMIC DISC, 50V B 1500PF K
C491	24082637	PLASTIC FILM, 400V R1UF J
C492	24082637	PLASTIC FILM, 400V R1UF J
C494	24503041	PLASTIC FILM , 63V 0.1UF J
C495	24092343	CERAMIC DISC, 2KV 680PF K
C496	24092343	CERAMIC DISC, 2KV 680PF K
C498	24591392	PLASTIC FILM, 50V 3900PF J
C499	24212101	CERAMIC DISC, 50V B 100PF K
C501	24100104	CERAMIC CHIP, 25V F 100000PF Z
C502	24100104	CERAMIC CHIP, 25V F 100000PF Z
C503	24794470	ELECTROLYTIC, 16V 47UF M
C504	24109103	CERAMIC CHIP, 50V B 10000PF K
C505	24794470	ELECTROLYTIC, 16V 47UF M
C506	24109103	CERAMIC CHIP, 50V B 10000PF K
C507	24100104	CERAMIC CHIP, 25V F 100000PF Z
C508	24100104	CERAMIC CHIP, 25V F 100000PF Z

Location No.	Parts No.	Description
C509	24100104	CERAMIC CHIP, 25V F 100000PF Z
C511	24100104	CERAMIC CHIP, 25V F 100000PF Z
C512	24100104	CERAMIC CHIP, 25V F 100000PF Z
C513	24109103	CERAMIC CHIP, 50V B 10000PF K
C514	24793221	ELECTROLYTIC, 10V 220UF M
C516	24105100	CERAMIC CHIP, 50V CH 10PF D
C517	24206478	ELECTROLYTIC, 50V 0.47UF M 7L 3A
C519	24797479	ELECTROLYTIC, 50V 4.7UF M
C520	24503047	PLASTIC FILM, 63V 0.33UF J
C521	24092733	CERAMIC CHIP, 50V B 22000PF K
C522	24109103	CERAMIC CHIP, 50V B 10000PF K
C523	24100104	CERAMIC CHIP, 25V F 100000PF Z
C524	24109103	CERAMIC CHIP, 50V B 10000PF K
C525	24503041	PLASTIC FILM , 63V 0.1UF J
C526	24109103	CERAMIC CHIP, 50V B 10000PF K
C527	24797229	ELECTROLYTIC, 50V 2.2UF M
C530	24206010	ELECTROLYTIC, 50V 1.0UF M 7L 3A
C531	24100104	CERAMIC CHIP, 25V F 100000PF Z
C532	24100104	CERAMIC CHIP, 25V F 100000PF Z
C533	24100104	CERAMIC CHIP, 25V F 100000PF Z
C534	24100104	CERAMIC CHIP, 25V F 100000PF Z
C536	24100104	CERAMIC CHIP, 25V F 100000PF Z
C537	24100104	CERAMIC CHIP, 25V F 100000PF Z
C540	24100104	CERAMIC CHIP, 25V F 100000PF Z
C541	24100104	CERAMIC CHIP, 25V F 100000PF Z
C542	24100104	CERAMIC CHIP, 25V F 100000PF Z
C543	24100104	CERAMIC CHIP, 25V F 100000PF Z
C544	24100104	CERAMIC CHIP, 25V F 100000PF Z
C545	24100104	CERAMIC CHIP, 25V F 100000PF Z
C547	24109103	CERAMIC CHIP, 50V B 10000PF K
C548	24763101	ELECTROLYTIC, 16V 100UF M
C563	24206010	ELECTROLYTIC, 50V 1.0UF M 7L 3A
C564	24797479	ELECTROLYTIC, 50V 4.7UF M
C571	24100104	CERAMIC CHIP, 25V F 100000PF Z
C575	24092538	CERAMIC CHIP, 10V F 1UF Z
C613	24666471	ELECTROLYTIC, 16V 470UF M 3A
C639	24794101	ELECTROLYTIC, 16V 100UF M
C661	24797478	ELECTROLYTIC, 50V 0.47UF M
C664	24797100	ELECTROLYTIC, 50V 10UF M
C665	24797010	ELECTROLYTIC, 50V 1UF M
C666	24797010	ELECTROLYTIC, 50V 1UF M
C667	24212102	CERAMIC DISC, 50V B 1000PF K
C668	24212102	CERAMIC DISC, 50V B 1000PF K
C669	24797330	ELECTROLYTIC, 50V 33UF M
C670	24797330	ELECTROLYTIC, 50V 33UF M
C671	24669100	ELECTROLYTIC, 50V 10UF M 3A
C672	24667470	ELECTROLYTIC, 25V 47UF M 3A
C673	24667470	ELECTROLYTIC, 25V 47UF M 3A
C674	24669100	ELECTROLYTIC, 50V 10UF M 3A
C675	24667470	ELECTROLYTIC, 25V 47UF M 3A
C677	24590102	PLASTIC FILM, 50V 1000PF J
C678	24590102	PLASTIC FILM, 50V 1000PF J
C680	24668102	ELECTROLYTIC, 35V 1000UF M 3A
C681	24668102	ELECTROLYTIC, 35V 1000UF M 3A
C682	24668102	ELECTROLYTIC, 35V 1000UF M 3A
C685	24503042	PLASTIC FILM, 63V 0.12UF J
C687	24232103	CERAMIC DISC, 50V F 10000PF Z
C688	24666220	ELECTROLYTIC, 16V 22UF M 3A
C689	24503042	PLASTIC FILM, 63V 0.12UF J
C704	24591822	PLASTIC FILM, 50V 8200PF J
C705	24797229	ELECTROLYTIC, 50V 2.2UF M
C707	24794470	ELECTROLYTIC, 16V 47UF M
C712	24794470	ELECTROLYTIC, 16V 47UF M
C713	24790100	ELECTROLYTIC CE04G 160V 10UF M
C715	24214472	CERAMIC DISK CK45 B 500V 4700PF K
C717	24214472	CERAMIC DISK CK45 B 500V 4700PF K
C718	24794470	ELECTROLYTIC, 16V 47UF M

Location No.	Parts No.	Description
C719	24435151	PCERA CAP SL 500V 151J
C720	24790100	ELECTROLYTIC CE04G 160V 10UF M
C721	24794470	ELECTROLYTIC, 16V 47UF M
△ C801	24503056	PLASTIC FILM, AC275V 0.1UF M
△ C802	24503056	PLASTIC FILM, AC275V 0.1UF M
C805	24092281	CERAMIC DISC, AC250V E 4700PF
C806	24092281	CERAMIC DISC, AC250V E 4700PF
C808	24668101	ELECTROLYTIC, 35V 100UF M 3A
C809	24503049	PLASTIC FILM, 63V 0.47UF J
C810	24086873	440V330M30F 400V 330UF M30F
△ C813	24092555	CERAMIC DISC, AC250V E 1000PF M
△ C814	24092555	CERAMIC DISC, AC250V E 1000PF M
C816	24794470	ELECTROLYTIC, 16V 47UF M
C817	24092339	CERAMIC DISC, 2KV 330PF K
C818	24095931	PLASTIC FILM CF92T 1250VH 2200PF J
C821	24214471	CERAMIC DISC, 500V B 470PF K
C822	24503049	PLASTIC FILM, 63V 0.47UF J
C823	24214471	CERAMIC DISC, 500V B 470PF K
C829	24212221	CERAMIC DISC, 50V B 220PF K
C832	24794470	ELECTROLYTIC, 16V 47UF M
C836	24794470	ELECTROLYTIC, 16V 47UF M
C840	24667102	ELECTROLYTIC, 25V 1000UF M 3A
C841	24669100	ELECTROLYTIC, 50V 10UF M 3A
C842	24669100	ELECTROLYTIC, 50V 10UF M 3A
C843	24503041	PLASTIC FILM , 63V 0.1UF J
C872	24669221	ELECTROLYTIC, 50V 220UF M 3A
C884	24086953	ELECTROLYTIC, 160V 220UF M 3A
C885	24214471	CERAMIC DISC, 500V B 470PF K
C889	24669222	ELECTROLYTIC, 50V 2200UF M 3A
C890	24667222	ELECTROLYTIC, 25V 2200UF M 3A
C893	24092337	CERAMIC DISC, 2KV 220PF K
C896	24214471	CERAMIC DISC, 500V B 470PF K
C897	24667332	ELECTROLYTIC, 25V 3300UF M 3A
C898	24503045	PLASTIC FILM, 63V 0.22UF J
C899	24214471	CERAMIC DISC, 500V B 470PF K
C902	24092353	CERAMIC DISC, 2KV 4700PF K
C904	24436471	CERAMIC DISC, 50V SL 470PF J
C905	24436471	CERAMIC DISC, 50V SL 470PF J
C907	24436391	CERAMIC DISC, 50V SL 390PF J
C909	24679330	ELECTROLYTIC, 250V 33UF M 3A
C910	24797478	ELECTROLYTIC, 50V 0.47UF M
C911	24203100	ELECTROLYTIC, 16V 10UF M 7L 3A
C912	24794102	ELECTROLYTIC, 16V 1000UF M
C913	24794101	ELECTROLYTIC, 16V 100UF M
C914	24212103	CERAMIC DISC, 50V B 10000PF K
C915	24092398	CERAMIC DISC, 25V 0.1UF Z, 24092398A NI TOOITSU
C930	24214101	CERAMIC DISC, 500V B 100PF K
C931	24214101	CERAMIC DISC, 500V B 100PF K
C2110	24100104	CERAMIC CHIP, 25V F 100000PF Z
C4000	24591102	PLASTIC FILM, 50V 1000PF J
C4222	24092538	CERAMIC CHIP, 10V F 1UF Z
C4401	24763221	ELECTROLYTIC, 16V 220UF M
C4402	24109103	CERAMIC CHIP, 50V B 10000PF K
C4403	24797010	ELECTROLYTIC, 50V 1UF M
C4404	24109103	CERAMIC CHIP, 50V B 10000PF K
C4405	24100104	CERAMIC CHIP, 25V F 100000PF Z
C4406	24109103	CERAMIC CHIP, 50V B 10000PF K
C4407	24109103	CERAMIC CHIP, 50V B 10000PF K
C4408	24092538	CERAMIC CHIP, 10V F 1UF Z
C4409	24794331	ELECTROLYTIC, 16V 330UF M
C4410	24109103	CERAMIC CHIP, 50V B 10000PF K
C4411	24100104	CERAMIC CHIP, 25V F 100000PF Z
△ C4490	24503280	MT PLA CAP T 400V 244J
△ C4491	24503280	MT PLA CAP T 400V 244J
C5020	24109103	CERAMIC CHIP, 50V B 10000PF K
C5030	24763101	ELECTROLYTIC, 16V 100UF M

Location No.	Parts No.	Description
C5080	24206010	ELECTROLYTIC, 50V 1.0UF M 7L 3A
C5090	24763101	ELECTROLYTIC, 16V 100UF M
CA03	24105180	CERAMIC CHIP, 50V CH 18PF J
CA04	24105180	CERAMIC CHIP, 50V CH 18PF J
CA09	24105101	CERAMIC CHIP, 50V CH 100PF J
CA10	24105101	CERAMIC CHIP, 50V CH 100PF J
CA12	24105101	CERAMIC CHIP, 50V CH 100PF J
CA15	24105101	CERAMIC CHIP, 50V CH 100PF J
CA16	24105101	CERAMIC CHIP, 50V CH 100PF J
CA17	24105101	CERAMIC CHIP, 50V CH 100PF J
CA33	24100103	CERAMIC CHIP, 50V F 10000PF Z
CA42	24794101	ELECTROLYTIC, 16V 100UF M
CA43	24109103	CERAMIC CHIP, 50V B 10000PF K
CA44	24109103	CERAMIC CHIP, 50V B 10000PF K
CA45	24109103	CERAMIC CHIP, 50V B 10000PF K
CA67	24100103	CERAMIC CHIP, 50V F 10000PF Z
CA68	24794100	ELECTROLYTIC, 16V 10UF M
CA69	24100103	CERAMIC CHIP, 50V F 10000PF Z
CA70	24794100	ELECTROLYTIC, 16V 10UF M
CB04	24092538	CERAMIC CHIP, 10V F 1UF Z
CB05	24109222	CERAMIC CHIP, 50V B 2200PF K
CB06	24105561	CERAMIC CHIP, 50V CH 560PF J
CB07	24109332	CERAMIC CHIP, 50V B 3300PF K
CB21	24503041	PLASTIC FILM , 63V 0.1UF J
CB22	24203470	ELECTROLYTIC, 16V 47UF M 7L 3A
CB40	24092538	CERAMIC CHIP, 10V F 1UF Z
CB41	24109222	CERAMIC CHIP, 50V B 2200PF K
CB42	24105561	CERAMIC CHIP, 50V CH 560PF J
CB43	24109332	CERAMIC CHIP, 50V B 3300PF K
CB90	24100103	CERAMIC CHIP, 50V F 10000PF Z
CC04	24105220	CERAMIC CHIP, 50V CH 22PF J
CC15	24100104	CERAMIC CHIP, 25V F 100000PF Z
CC15	24232103	CERAMIC DISC, 50V F 10000PF Z
CC16	24109103	CERAMIC CHIP, 50V B 10000PF K
CC16	24590103	PLASTIC FILM, 50V 0.01MF J
CC26	24109103	CERAMIC CHIP, 50V B 10000PF K
CC27	24109103	CERAMIC CHIP, 50V B 10000PF K
CC31	24109102	CERAMIC CHIP, 50V B 1000PF K
CC60	24109223	CERAMIC CHIP, 25V B 22000PF K
CC61	24109223	CERAMIC CHIP, 25V B 22000PF K
CC62	24109102	CERAMIC CHIP, 50V B 1000PF K
CC63	24109102	CERAMIC CHIP, 50V B 1000PF K
CC64	24109223	CERAMIC CHIP, 25V B 22000PF K
CC65	24109223	CERAMIC CHIP, 25V B 22000PF K
CC66	24109102	CERAMIC CHIP, 50V B 1000PF K
CC67	24109102	CERAMIC CHIP, 50V B 1000PF K
CC68	24109102	CERAMIC CHIP, 50V B 1000PF K
CC69	24109102	CERAMIC CHIP, 50V B 1000PF K
CC70	24109102	CERAMIC CHIP, 50V B 1000PF K
CC71	24109102	CERAMIC CHIP, 50V B 1000PF K
CC72	24109102	CERAMIC CHIP, 50V B 1000PF K
CC73	24109102	CERAMIC CHIP, 50V B 1000PF K
CC74	24109102	CERAMIC CHIP, 50V B 1000PF K
CC75	24109102	CERAMIC CHIP, 50V B 1000PF K
CC77	24109102	CERAMIC CHIP, 50V B 1000PF K
CC78	24109102	CERAMIC CHIP, 50V B 1000PF K
CC80	24436470	CERAMIC DISC, 50V SL 47PF J
CR01	24206010	ELECTROLYTIC, 50V 1.0UF M 7L 3A
CR02	24100103	CERAMIC CHIP, 50V F 10000PF Z
CR07	24100104	CERAMIC CHIP, 25V F 100000PF Z
CR08	24100104	CERAMIC CHIP, 25V F 100000PF Z
CR09	24100104	CERAMIC CHIP, 25V F 100000PF Z
CR10	24100104	CERAMIC CHIP, 25V F 100000PF Z
CR11	24105470	CERAMIC CHIP, 50V CH 47PF J
CR12	24100104	CERAMIC CHIP, 25V F 100000PF Z
CR13	24100104	CERAMIC CHIP, 25V F 100000PF Z
CR14	24100104	CERAMIC CHIP, 25V F 100000PF Z

Location No.	Parts No.	Description
CR15	24794470	ELECTORLYTIC, 16V 47UF M
CR16	24100104	CERAMIC CHIP, 25V F 100000PF Z
CS01	24797229	ELECTROLYTIC, 50V 2.2UF M
CS02	24797229	ELECTROLYTIC, 50V 2.2UF M
CS03	24797229	ELECTROLYTIC, 50V 2.2UF M
CS04	24797229	ELECTROLYTIC, 50V 2.2UF M
CS05	24797229	ELECTROLYTIC, 50V 2.2UF M
CS06	24797229	ELECTROLYTIC, 50V 2.2UF M
CS07	24797229	ELECTROLYTIC, 50V 2.2UF M
CS08	24797229	ELECTROLYTIC, 50V 2.2UF M
CS09	24797229	ELECTROLYTIC, 50V 2.2UF M
CS10	24797229	ELECTROLYTIC, 50V 2.2UF M
CS11	24794100	ELECTROLYTIC, 16V 10UF M
CS12	24794100	ELECTROLYTIC, 16V 10UF M
CS13	24794100	ELECTROLYTIC, 16V 10UF M
CS14	24794100	ELECTROLYTIC, 16V 10UF M
CS18	24794100	ELECTROLYTIC, 16V 10UF M
CS19	24794100	ELECTROLYTIC, 16V 10UF M
CS20	24797478	ELECTROLYTIC, 50V 0.47UF M
CS23	24797478	ELECTROLYTIC, 50V 0.47UF M
CT01	24792221	ELECTROLYTIC CE04G 6.3V 220UF M
CT02	24109103	CERAMIC CHIP, 50V B 10000PF K
CT03	24109103	CERAMIC CHIP, 50V B 10000PF K
CT04	24793101	ELECTROLYTIC, 10V 100UF M
CT05	24100104	CERAMIC CHIP, 25V F 100000PF Z
CT06	24793470	ELECTROLYTIC CE04G 10V 47UF M
CT07	24092538	CERAMIC CHIP, 10V F 1UF Z
CT08	24105560	CERAMIC CHIP, 50V CH 56PF J
CT09	24105560	CERAMIC CHIP, 50V CH 56PF J
CT10	24793470	ELECTROLYTIC CE04G 10V 47UF M
CT11	24100104	CERAMIC CHIP, 25V F 100000PF Z
CT12	24793470	ELECTROLYTIC CE04G 10V 47UF M
CT13	24100104	CERAMIC CHIP, 25V F 100000PF Z
CT14	24100104	CERAMIC CHIP, 25V F 100000PF Z
CT17	24100104	CERAMIC CHIP, 25V F 100000PF Z
CT19	24794100	ELECTROLYTIC, 16V 10UF M
CT20	24109103	CERAMIC CHIP, 50V B 10000PF K
CT23	24100104	CERAMIC CHIP, 25V F 100000PF Z
CT99	24763102	ELECTROLYTIC, 16V 100UF M
CV02	24092743	CERAMIC CHIP, 10V F 470NF Z
CV03	24092538	CERAMIC CHIP, 10V F 1UF Z
CV04	24092538	CERAMIC CHIP, 10V F 1UF Z
CV05	24100104	CERAMIC CHIP, 25V F 100000PF Z
CV06	24092538	CERAMIC CHIP, 10V F 1UF Z
CV07	24100104	CERAMIC CHIP, 25V F 100000PF Z
CV08	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
CV09	24092743	CERAMIC CHIP, 10V F 470NF Z
CV10	24794100	ELECTROLYTIC, 16V 10UF M
CV12	24100104	CERAMIC CHIP, 25V F 100000PF Z
CV13	24794100	ELECTROLYTIC, 16V 10UF M
CV14	24100104	CERAMIC CHIP, 25V F 100000PF Z
CV23	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
CV24	24100104	CERAMIC CHIP, 25V F 100000PF Z
CV25	24794470	ELECTORLYTIC, 16V 47UF M
CV35	24100104	CERAMIC CHIP, 25V F 100000PF Z
CV39	24794101	ELECTROLYTIC, 16V 100UF M
CV40	24100104	CERAMIC CHIP, 25V F 100000PF Z
CV42	24092743	CERAMIC CHIP, 10V F 470NF Z
CV44	24092743	CERAMIC CHIP, 10V F 470NF Z
CV46	24212332	CERAMIC DISC, 50V B 3300PF K
CV47	24212332	CERAMIC DISC, 50V B 3300PF K
CV62	24794470	ELECTORLYTIC, 16V 47UF M
CV65	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
CV66	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
CZ01	24100104	CERAMIC CHIP, 25V F 100000PF Z
CZ02	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ03	24092743	CERAMIC CHIP, 10V F 470NF Z

Location No.	Parts No.	Description
CZ04	24100104	CERAMIC CHIP, 25V F 10000PF Z
CZ05	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ06	24100104	CERAMIC CHIP, 25V F 10000PF Z
CZ07	24100104	CERAMIC CHIP, 25V F 10000PF Z
CZ08	24100104	CERAMIC CHIP, 25V F 10000PF Z
CZ09	24105220	CERAMIC CHIP, 50V CH 22PF J
CZ10	24105100	CERAMIC CHIP, 50V CH 10PF D
CZ11	24105220	CERAMIC CHIP, 50V CH 22PF J
CZ12	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ13	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ14	24794100	ELECTROLYTIC, 16V 10UF M
CZ15	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ16	24100104	CERAMIC CHIP, 25V F 10000PF Z
CZ17	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ19	24105681	CERAMIC CHIP, 50V 680PF J
CZ20	24092730	CERAMIC CHIP, 16V B 0.1UF K
CZ21	24105102	CERAMIC CHIP, 25V CH 1000PF J
CZ22	24794100	ELECTROLYTIC, 16V 10UF M
CZ23	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ24	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ25	24794100	ELECTROLYTIC, 16V 10UF M
CZ26	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ28	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ29	24109103	CERAMIC CHIP, 50V B 10000PF K
CZ30	24794100	ELECTROLYTIC, 16V 10UF M
CZ31	24100104	CERAMIC CHIP, 25V F 10000PF Z
CZ32	24105101	CERAMIC CHIP, 50V CH 100PF J
CZ33	24105270	CERAMIC CHIP, 50V CH 27PF J
CZ34	24105101	CERAMIC CHIP, 50V CH 100PF J
CZ35	24105270	CERAMIC CHIP, 50V CH 27PF J
CZ36	24105470	CERAMIC CHIP, 50V CH 47PF J
RESISTORS		
R101	24553223	OXIDE METAL FILM, 1W 22K OHM J
R208	24366103	CARBON FILM, 1/6W 10K OHM J
R209	24366103	CARBON FILM, 1/6W 10K OHM J
R211	24366563	CARBON FILM, 1/6W 56K OHM J
R217	24366392	CARBON FILM, 1/6W 3.9K OHM J
R219	24366473	CARBON FILM, 1/6W 47K OHM J
R227	24366273	CARBON FILM, 1/6W 27K OHM J
R245	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
R271	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R272	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R303	24321109	OXIDE METAL FILM, 1/2W 1 OHM J
R305	24322109	OXIDE METAL FILM, 1W 1 OHM J
R307	24366101	CARBON FILM, 1/6W 100 OHM J
R312	24366103	CARBON FILM, 1/6W 10K OHM J
R314	24366102	CARBON FILM, 1/6W 1K OHM J
R315	24366332	CARBON FILM, 1/6W 3.3K OHM J
R316	24366394	CARBON FILM, 1/6W 390K OHM J
R318	24366101	CARBON FILM, 1/6W 100 OHM J
R319	24366101	CARBON FILM, 1/6W 100 OHM J
R320	24366155	CARBON FILM, 1/6W 1.5M OHM J
R322	24366102	CARBON FILM, 1/6W 1K OHM J
R323	24366103	CARBON FILM, 1/6W 10K OHM J
R326	24338109	OXIDE METAL FILM, 1W 1 OHM J
R327	24338109	OXIDE METAL FILM, 1W 1 OHM J
R329	24366102	CARBON FILM, 1/6W 1K OHM J
R330	24552103	OXIDE METAL FILM, 1/2W 10K OHM J
R331	24366104	CARBON FILM, 1/6W 100K OHM J
R333	24552103	OXIDE METAL FILM, 1/2W 10K OHM J
R335	24366153	CARBON FILM, 1/6W 15K OHM J
R336	24383471	OXIDE METAL FILM, 2W 470 OHM J
R340	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R341	24366182	CARBON FILM, 1/6W 1.8K OHM J
R342	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R343	24366103	CARBON FILM, 1/6W 10K OHM J

Location No.	Parts No.	Description
R370	24366822	CARBON FILM, 1/6W 8.2K OHM J
R371	24366103	CARBON FILM, 1/6W 10K OHM J
R372	24366220	CARBON FILM, 1/6W 22 OHM J
R375	24552150	OXIDE METAL FILM, 1/2W 15 OHM J
R400	24946561	CARBON COMPOSITION, 1/2W 560 OHM K
R405	24553682	OXIDE METAL FILM, 1W 6.8K OHM J
R411	24366180	CARBON FILM, 1/6W 18 OHM J
R412	24323228	OXIDE METAL FILM, 2W 0.22 OHM J
R415	24383271	OXIDE METAL FILM, 2W 270 OHM J
R416	24381563	OXIDE METAL FILM, 1/2W 56K OHM J
R417	24383680	OXIDE METAL FILM, 2W 68 OHM J
R424	24366751	CARBON FILM, 1/6W 750 OHM J
R425	24552182	OXIDE METAL FILM, 1/2W 1.8K OHM J
R426	24366751	CARBON FILM, 1/6W 750 OHM J
R427	24366392	CARBON FILM, 1/6W 3.9K OHM J
R428	24366561	CARBON FILM, 1/6W 560 OHM J
R429	24553100	OXIDE FILM 1W 10 J
R433	24366681	CARBON FILM, 1/6W 680 OHM J
R434	24366472	CARBON FILM, 1/6W 4.7K OHM J
R435	24366184	CARBON FILM, 1/6W 180K OHM J
R441	24383561	OXIDE METAL FILM, 2W 560 OHM J
R442	24553153	OXIDE METAL FILM, 1W 15K OHM J
R445	24321129	OXIDE METAL FILM, 1/2W 1.2 OHM J
R460	24366103	CARBON FILM, 1/6W 10K OHM J
R462	24366822	CARBON FILM, 1/6W 8.2K OHM J
R464	24366103	CARBON FILM, 1/6W 10K OHM J
R466	24366103	CARBON FILM, 1/6W 10K OHM J
R467	24327224	METAL FILM, 1/4W 220K OHM F
R470	24339568	METAL FILM 2W R56 J
R471	24531271	FUSIBLE, 1/2W 270 OHM J
R472	24366101	CARBON FILM, 1/6W 100 OHM J
R473	24366183	CARBON FILM, 1/6W 18K OHM J
R474	24376393	CARBON FILM, 1/2W 39K OHM J
R476	24366471	CARBON FILM, 1/6W 470 OHM J
R477	24366102	CARBON FILM, 1/6W 1K OHM J
R478	24381333	OXIDE METAL FILM, 1/2W 33K OHM J
R479	24531680	FUSIBLE, 1/2W 68 OHM J
R481	24366223	CARBON FILM, 1/6W 22K OHM J
R482	24366183	CARBON FILM, 1/6W 18K OHM J
R483	24366223	CARBON FILM, 1/6W 22K OHM J
R487	24366474	CARBON FILM, 1/6W 470K OHM J
R488	24366154	CARBON FILM, 1/6W 150K OHM J
R489	24366563	CARBON FILM, 1/6W 56K OHM J
R490	24366101	CARBON FILM, 1/6W 100 OHM J
R491	24366101	CARBON FILM, 1/6W 100 OHM J
R492	24366472	CARBON FILM, 1/6W 4.7K OHM J
R493	24366104	CARBON FILM, 1/6W 100K OHM J
R494	24366104	CARBON FILM, 1/6W 100K OHM J
R497	24366105	CARBON FILM, 1/6W 1M OHM J
R498	24366104	CARBON FILM, 1/6W 100K OHM J
R501	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
R502	24011272	CHIP, METAL FILM, 1/20W 2.7K OHM J
R504	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R505	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R506	24011273	CHIP, METAL FILM, 1/20W 27K OHM J
R507	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
R508	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
R511	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R512	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R513	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R514	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R515	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R516	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R517	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R519	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
R520	24366681	CARBON FILM, 1/6W 680 OHM J
R543	24011681	CHIP, METAL FILM, 1/20W 680 OHM J

Location No.	Parts No.	Description
R548	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
R552	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R553	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
R554	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R555	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R561	24552181	OXIDE METAL FILM, 1/2W 180 OHM J
R569	24011823	CHIP, METAL FILM, 1/20W 82K OHM J
R612	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R613	24011224	CHIP, METAL FILM, 1/20W 220K OHM J
R661	24552221	OXIDE METAL FILM, 1/2W 220 OHM J
R662	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
R662	24552221	OXIDE METAL FILM, 1/2W 220 OHM J
R670	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
R671	24011822	CHIP, METAL FILM, 1/20W 8.2K OHM J
R672	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
R673	24011822	CHIP, METAL FILM, 1/20W 8.2K OHM J
R676	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
R677	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
R678	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
R679	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
R684	24366229	CARBON FILM, 1/6W 2.2 OHM J
R685	24366229	CARBON FILM, 1/6W 2.2 OHM J
R688	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
R702	24552221	OXIDE METAL FILM, 1/2W 220 OHM J
R712	24366101	CARBON FILM, 1/6W 100 OHM J
R715	24366223	CARBON FILM, 1/6W 22K OHM J
R716	24366273	CARBON FILM, 1/6W 27K OHM J
R717	24366183	CARBON FILM, 1/6W 18K OHM J
R718	24366681	CARBON FILM, 1/6W 680 OHM J
R722	24552471	OXIDE METAL FILM, 1/2W 470 OHM J
R723	24366101	CARBON FILM, 1/6W 100 OHM J
R724	24366151	CARBON FILM, 1/6W 150 OHM J
R725	24366821	CARBON FILM, 1/6W 820 OHM J
R730	24552100	OXIDE METAL FILM, 1/2W 10 OHM J
R731	24553331	OXIDE METAL FILM, 1W 330 OHM J
R732	24366220	CARBON FILM, 1/6W 22 OHM J
R733	24366683	CARBON FILM, 1/6W 68K OHM J
R734	24366220	CARBON FILM, 1/6W 22 OHM J
R735	24366683	CARBON FILM, 1/6W 68K OHM J
R736	24366470	CARBON FILM, 1/6W 47 OHM J
R737	24366681	CARBON FILM, 1/6W 680 OHM J
R738	24366102	CARBON FILM, 1/6W 1K OHM J
R739	24366681	CARBON FILM, 1/6W 680 OHM J
R740	24366470	CARBON FILM, 1/6W 47 OHM J
R741	24366229	CARBON FILM, 1/6W 2.2 OHM J
R742	24366229	CARBON FILM, 1/6W 2.2 OHM J
R743	24554181	OXIDE METAL FILM, 2W 180 OHM J
R744	24366122	CARBON FILM, 1/6W 1.2K OHM J
R745	24366122	CARBON FILM, 1/6W 1.2K OHM J
△ R801	24009954	METAL FILN, 1/2W 2.2M OHM J
R803	24382683	OXIDE METAL FILM, 1W 68K OHM J
R805	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
R806	24381153	OXIDE METAL FILM, 1/2W 15K OHM J
R807	24366104	CARBON FILM, 1/6W 100K OHM J
△ R808	24019484	THERMISTOR, PTC, AC265 4R5A
R814	24366222	CARBON FILM, 1/6W 2.2K OHM J
R815	24552102	OXIDE METAL FILM, 1/2W 1K OHM J
R818	24019460	METAL PLATE, 2W 0.1 OHM J
R819	24381820	OXIDE METAL FILM, 1/2W 82 OHM J
R823	24552103	OXIDE METAL FILM, 1/2W 10K OHM J
R824	24569689	CERAMIC COVERED, 10W 6.8 OHM J
R827	24366681	CARBON FILM, 1/6W 680 OHM J
R828	24366821	CARBON FILM, 1/6W 820 OHM J
R829	24321159	OXIDE METAL FILM, 1/2W 1.5 OHM J
R831	24366471	CARBON FILM, 1/6W 470 OHM J
R834	24366471	CARBON FILM, 1/6W 470 OHM J
R843	24366331	CARBON FILM, 1/6W 330 OHM J

Location No.	Parts No.	Description
R850	24366103	CARBON FILM, 1/6W 10K OHM J
R851	24366102	CARBON FILM, 1/6W 1K OHM J
R852	24366225	CARBON FILM, 1/6W 2.2M OHM J
R875	24366332	CARBON FILM, 1/6W 3.3K OHM J
R876	24366103	CARBON FILM, 1/6W 10K OHM J
△ R899	24005015	METAL GLAZE, 1W 8.2M OHM J
R901	24376471	CARBON FILM, 1/2W 470 OHM J
R902	24376471	CARBON FILM, 1/2W 470 OHM J
R903	24376471	CARBON FILM, 1/2W 470 OHM J
R904	24366472	CARBON FILM, 1/6W 4.7K OHM J
R905	24366150	CARBON FILM, 1/6W 15 OHM J
R909	24366100	CARBON FILM, 1/6W 10 OHM J
R914	24366471	CARBON FILM, 1/6W 470 OHM J
R915	24366680	CARBON FILM, 1/6W 68 OHM J
R916	24366270	CARBON FILM, 1/6W 27 OHM J
R917	24366391	CARBON FILM, 1/6W 390 OHM J
R918	24366180	CARBON FILM, 1/6W 18 OHM J
R920	24000910	FUSE RES RN Z 1W 339J
R921	24366471	CARBON FILM, 1/6W 470 OHM J
R922	24366680	CARBON FILM, 1/6W 68 OHM J
R924	24366180	CARBON FILM, 1/6W 18 OHM J
R925	24366391	CARBON FILM, 1/6W 390 OHM J
R928	24366471	CARBON FILM, 1/6W 470 OHM J
R929	24366680	CARBON FILM, 1/6W 68 OHM J
R930	24366180	CARBON FILM, 1/6W 18 OHM J
R932	24366332	CARBON FILM, 1/6W 3.3K OHM J
R933	24366750	CARBON FILM, 1/6W 75 OHM J
R934	24366361	CARBON FILM, 1/6W 360 OHM J
R935	24366102	CARBON FILM, 1/6W 1K OHM J
R936	24366750	CARBON FILM, 1/6W 75 OHM J
R937	24366391	CARBON FILM, 1/6W 390 OHM J
R942	24366392	CARBON FILM, 1/6W 3.9K OHM J
R943	24366392	CARBON FILM, 1/6W 3.9K OHM J
R944	24366392	CARBON FILM, 1/6W 3.9K OHM J
R945	24366270	CARBON FILM, 1/6W 27 OHM J
R946	24366270	CARBON FILM, 1/6W 27 OHM J
R950	24060356	VARIABLE, METAL 16B 0.6W 20M OHM M
R960	24383153	OXIDE METAL FILM, 2W 15K OHM J
R961	24383153	OXIDE METAL FILM, 2W 15K OHM J
R962	24383153	OXIDE METAL FILM, 2W 15K OHM J
R963	24383153	OXIDE METAL FILM, 2W 15K OHM J
R964	24383153	OXIDE METAL FILM, 2W 15K OHM J
R965	24383153	OXIDE METAL FILM, 2W 15K OHM J
R966	24383153	OXIDE METAL FILM, 2W 15K OHM J
R967	24383153	OXIDE METAL FILM, 2W 15K OHM J
R968	24383153	OXIDE METAL FILM, 2W 15K OHM J
R969	24366392	CARBON FILM, 1/6W 3.9K OHM J
R970	24366392	CARBON FILM, 1/6W 3.9K OHM J
R971	24366392	CARBON FILM, 1/6W 3.9K OHM J
R977	24366561	CARBON FILM, 1/6W 560 OHM J
R980	24366471	CARBON FILM, 1/6W 470 OHM J
R981	24366471	CARBON FILM, 1/6W 470 OHM J
R992	24366150	CARBON FILM, 1/6W 15 OHM J
R2020	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R2060	24366221	CARBON FILM, 1/6W 220 OHM J
R2104	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
R2105	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R2106	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R2107	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R2149	24871681	CHIP, METAL FILM, 1/8W 680 OHM J
R2150	24871681	CHIP, METAL FILM, 1/8W 680 OHM J
R2151	24871681	CHIP, METAL FILM, 1/8W 680 OHM J
R2152	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R2153	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R2154	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R2155	24871102	CHIP, METAL FILM, 1/8W 1K OHM J
R2156	24871102	CHIP, METAL FILM, 1/8W 1K OHM J

Location No.	Parts No.	Description
R2157	24871102	CHIP, METAL FILM, 1/8W 1K OHM J
R3407	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R4310	24366183	CARBON FILM, 1/6W 18K OHM J
R4401	24011302	CHIP, METAL FILM, 1/20W 3K OHM J
R4403	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R4404	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
R4405	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R4406	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R4407	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R4408	24011361	METAL FILM CHIP 1/20W 360 J
R4409	24552471	OXIDE METAL FILM, 1/2W 470 OHM J
R4410	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R4411	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R4411	24366101	CARBON FILM, 1/6W 100 OHM J
R4412	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R4413	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R4414	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R4422	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R4430	24011622	CHIP, METAL FILM, 1/20W 6.2K OHM J
R4466	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R4467	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
R4473	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R4474	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R4490	24382222	OXIDE METAL FILM, 1W 2.2K OHM J
R4491	24366392	CARBON FILM, 1/6W 3.9K OHM J
R4492	24366103	CARBON FILM, 1/6W 10K OHM J
R4493	24382104	OXIDE METAL FILM, 1W 100K OHM J
R4495	24366473	CARBON FILM, 1/6W 47K OHM J
R5020	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R5030	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA02	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RA04	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA05	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA07	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA08	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA09	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
RA10	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
RA11	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RA12	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RA13	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA16	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA17	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA18	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA19	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RA22	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RA23	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RA24	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RA25	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA26	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA27	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA29	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA30	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA33	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA35	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA37	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA38	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA43	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA48	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA50	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA60	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RA69	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA70	24011333	CHIP, METAL FILM, 1/20W 33K OHM J
RA71	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA71	24366683	CARBON FILM, 1/6W 68K OHM J
RA72	24366223	CARBON FILM, 1/6W 22K OHM J
RA73	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RA73	24366103	CARBON FILM, 1/6W 10K OHM J

Location No.	Parts No.	Description
RA75	24011333	CHIP, METAL FILM, 1/20W 33K OHM J
RA76	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA78	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA99	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RB01	24366271	CARBON FILM, 1/6W 270 OHM J
RB03	24366271	CARBON FILM, 1/6W 270 OHM J
RB04	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RB05	24011105	CHIP, METAL FILM, 1/20W 1M OHM J
RB06	24011123	CHIP, METAL FILM, 1/20W 12K OHM J
RB07	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RB08	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RB09	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RB10	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RB11	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RB13	24366223	CARBON FILM, 1/6W 22K OHM J
RB22	24366470	CARBON FILM, 1/6W 47 OHM J
RB30	24366103	CARBON FILM, 1/6W 10K OHM J
RB32	24011105	CHIP, METAL FILM, 1/20W 1M OHM J
RB33	24011123	CHIP, METAL FILM, 1/20W 12K OHM J
RB34	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RB35	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RB43	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RB44	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RB45	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RB46	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RB49	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RB81	24011122	CHIP, METAL FILM, 1/20W 1.2K OHM J
RB82	24011123	CHIP, METAL FILM, 1/20W 12K OHM J
RB83	24011123	CHIP, METAL FILM, 1/20W 12K OHM J
RB90	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RB91	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RB92	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
RB93	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
RB94	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RB95	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RB96	24011273	CHIP, METAL FILM, 1/20W 27K OHM J
RB97	24011273	CHIP, METAL FILM, 1/20W 27K OHM J
RB98	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RC01	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC02	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC03	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC04	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC05	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC06	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC07	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC08	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RC09	24000445	CHIP JUMPER, 1608TYPE
RC10	24000445	CHIP JUMPER, 1608TYPE
RD28	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RR01	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RR02	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RR03	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RR04	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RR05	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RR06	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RR07	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RR08	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RR09	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RR11	24011821	CHIP, METAL FILM, 1/20W 820 OHM J
RR12	24011821	CHIP, METAL FILM, 1/20W 820 OHM J
RR13	24011821	CHIP, METAL FILM, 1/20W 820 OHM J
RR14	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
RR15	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
RR16	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
RR17	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RR18	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RR19	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J

Location No.	Parts No.	Description
RR20	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RR21	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RR22	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RR23	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RR25	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS01	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS02	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS03	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS04	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS05	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS06	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS07	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS08	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS09	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS10	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS11	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS12	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS13	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
RS14	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
RS15	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS16	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS17	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS18	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS19	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS20	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS21	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RS22	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RS23	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS24	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS25	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS26	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS27	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS28	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS29	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RS30	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RS31	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS32	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS33	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS34	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS37	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS38	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS49	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
RS50	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
RS51	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS52	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS53	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS54	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS55	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS56	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS57	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RT01	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RT02	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RT03	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RT04	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RT05	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RT06	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RT07	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RT08	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RT09	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RT10	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RT11	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RT12	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RT13	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RT14	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RT15	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RT16	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RT18	24011223	CHIP, METAL FILM, 1/20W 22K OHM J

Location No.	Parts No.	Description
RT19	24000445	CHIP JUMPER, 1608TYPE
RT20	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RT21	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RT22	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RT23	24000445	CHIP JUMPER, 1608TYPE
RT24	24000594	CHIP 1/16W 123F
RT26	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RT27	24000594	CHIP 1/16W 123F
RT28	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RT29	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RT30	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RT31	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RT32	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RT33	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RT34	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RT35	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RT37	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RT38	24011151	CHIP, METAL FILM, 1/20W 150 OHM J
RT39	24011561	CHIP, METAL FILM, 1/20W 560 OHM J
RT40	24011151	CHIP, METAL FILM, 1/20W 150 OHM J
RT42	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RT43	24011151	CHIP, METAL FILM, 1/20W 150 OHM J
RT44	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RV04	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV05	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RV07	24367103	CARBON FILM, 1/6W 10K OHM G
RV08	24367103	CARBON FILM, 1/6W 10K OHM G
RV09	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV10	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV16	24011333	CHIP, METAL FILM, 1/20W 33K OHM J
RV17	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RV18	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV19	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
RV20	24367103	CARBON FILM, 1/6W 10K OHM G
RV21	24367392	CARBON FILM, 1/6W 3.9K OHM G
RV22	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RV23	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
RV25	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV26	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV27	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV28	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RV29	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RV30	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV31	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV32	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV33	24367392	CARBON FILM, 1/6W 3.9K OHM G
RV34	24367392	CARBON FILM, 1/6W 3.9K OHM G
RV37	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV41	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV42	24011391	CHIP, METAL FILM, 1/20W 390 OHM J
RV43	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV44	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV60	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RV61	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
RV62	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV63	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV64	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV65	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
RV66	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV67	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV68	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV69	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RV70	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RV80	24366681	CARBON FILM, 1/6W 680 OHM J
RV81	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV83	24366681	CARBON FILM, 1/6W 680 OHM J
RV84	24366223	CARBON FILM, 1/6W 22K OHM J

Location No.	Parts No.	Description
RV85	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV86	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV87	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
RV88	24366223	CARBON FILM, 1/6W 22K OHM J
RV88	24872151	CHIP, METAL FILM, 1/16W 150 OHM J
RV89	24872151	CHIP, METAL FILM, 1/16W 150 OHM J
RV94	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV95	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV96	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RX01	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV281	24367102	CARBON FILM, 1/6W 1K OHM G
RV331	24367102	CARBON FILM, 1/6W 1K OHM G
RV341	24367102	CARBON FILM, 1/6W 1K OHM G
RX02	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RZ01	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RZ02	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RZ03	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RZ04	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RZ05	24011391	CHIP, METAL FILM, 1/20W 390 OHM J
RZ06	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RZ08	24011391	CHIP, METAL FILM, 1/20W 390 OHM J
RZ13	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RZ14	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RZ15	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
RZ17	24011391	CHIP, METAL FILM, 1/20W 390 OHM J
RZ18	24011391	CHIP, METAL FILM, 1/20W 390 OHM J
RZ29	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RZ30	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
COILS & TRANSFORMERS		
L101	23221803	COIL, CHOKE, TLN3040D
L301	23103894	FILTER, FERRITE BEAD, TEM2011AW
L302	23289846	COIL, PEAKING, TRF4101AT
L400	23289840	COIL, PEAKING, TRF4100AT
L410	23103894	FILTER, FERRITE BEAD, TEM2011AW
L441	23233033	COIL, HORIZ LINALTY, TLN2209AT
L442	23248216	COIL, CHOKE, TLN3459AH
L443	23248223	COIL, CHOKE, TLN3451AH
L461	23248168	COIL, CHOKE, TLN3328AD
L470	23103894	FILTER, FERRITE BEAD, TEM2011AW
L501	23289470	COIL, PEAKING, TRF4470AF
L503	23289470	COIL, PEAKING, TRF4470AF
L504	23238714	COIL, PEAKING, TRF4100AJ
L505	23289840	COIL, PEAKING, TRF4100AT
L510	23103852	COIL, FILTER, TEM2028AH
L511	23103845	COIL, COMMONMODE, TEM2030AY
L512	23103845	COIL, COMMONMODE, TEM2030AY
L514	23103852	COIL, FILTER, TEM2028AH
L515	23103845	COIL, COMMONMODE, TEM2030AY
L516	23103845	COIL, COMMONMODE, TEM2030AY
L701	23289840	COIL, PEAKING, TRF4100AT
L702	23261974	COIL, FERRITE BEAD, HC5-035
L704	23103859	COIL, CHOKE, TEM2011
L705	23103859	COIL, CHOKE, TEM2011
L801	23217521	TRANSFORMER, CHOKE, TPW2023BS
L811	23103894	FILTER, FERRITE BEAD, TEM2011AW
L824	23248289	COIL, CHOKE, TLN3312GH
L876	23289840	COIL, PEAKING, TRF4100AT
L883	23221111	COIL, CHOKE COIL 1.0MMH, TRF9253GH
L885	23248288	COIL, CHOKE, TLN3299GH
L886	23103894	FILTER, FERRITE BEAD, TEM2011AW
L889	23248289	COIL, CHOKE, TLN3312GH
L891	23103894	FILTER, FERRITE BEAD, TEM2011AW
L892	23103894	FILTER, FERRITE BEAD, TEM2011AW
L893	23248289	COIL, CHOKE, TLN3312GH
L894	23289840	COIL, PEAKING, TRF4100AT
L895	23248289	COIL, CHOKE, TLN3312GH

Location No.	Parts No.	Description
L897	23248289	COIL, CHOKE, TLN3312GH
△ L901	23200458	COIL, DG 0.50CU 60T-2LOOP, TSB-2414AT
L902	23238508	COIL, PEAKING, TRF4121AJ
L903	23238703	COIL, PEAKING, TRF4820AJ
L904	23238703	COIL, PEAKING, TRF4820AJ
L905	23289841	COIL, PEAKING, TRF4150AT
L906	23289841	COIL, PEAKING, TRF4150AT
L907	23289841	COIL, PEAKING, TRF4150AT
L908	23289840	COIL, PEAKING, TRF4100AT
L911	23289846	COIL, PEAKING, TRF4101AT
L4000	23289840	COIL, PEAKING, TRF4100AT
L4401	23289101	COIL, PEAKING, TRF4101AF
LA01	23289840	COIL, PEAKING, TRF4100AT
LC01	23103828	INDUCTOR, BEAD, TEM2121M
LC02	23103828	INDUCTOR, BEAD, TEM2121M
LC03	23103828	INDUCTOR, BEAD, TEM2121M
LC04	23103828	INDUCTOR, BEAD, TEM2121M
LC05	23103828	INDUCTOR, BEAD, TEM2121M
LC06	23103828	INDUCTOR, BEAD, TEM2121M
LC07	23238562	COIL, PEAKING, TRF4109AJ
LC08	23238562	COIL, PEAKING, TRF4109AJ
LC09	23103828	INDUCTOR, BEAD, TEM2121M
LC10	23103828	INDUCTOR, BEAD, TEM2121M
LC20	23103832	INDUCTOR, BEAD, TEM2125M
LC43	23103828	INDUCTOR, BEAD, TEM2121M
LC45	23238562	COIL, PEAKING, TRF4109AJ
LG102	23103828	INDUCTOR, BEAD, TEM2121M
LG103	23103828	INDUCTOR, BEAD, TEM2121M
LR01	23289109	COIL, PEAKING, TRF41R0AF
LR02	23289109	COIL, PEAKING, TRF41R0AF
LT01	23103828	INDUCTOR, BEAD, TEM2121M
LT02	23103828	INDUCTOR, BEAD, TEM2121M
LT03	23103828	INDUCTOR, BEAD, TEM2121M
LT04	23103828	INDUCTOR, BEAD, TEM2121M
LT05	23103828	INDUCTOR, BEAD, TEM2121M
LT07	23103828	INDUCTOR, BEAD, TEM2121M
LT08	23103828	INDUCTOR, BEAD, TEM2121M
LT09	23103828	INDUCTOR, BEAD, TEM2121M
LT11	23103828	INDUCTOR, BEAD, TEM2121M
LT12	23103828	INDUCTOR, BEAD, TEM2121M
LV09	23289840	COIL, PEAKING, TRF4100AT
LV42	23289840	COIL, PEAKING, TRF4100AT
LV43	23289840	COIL, PEAKING, TRF4100AT
LV49	23103852	COIL, FILTER, TEM2028AH
LZ01	23238710	COIL, PEAKING, TRF4220AJ
LZ02	23289844	COIL, PEAKING, TRF4470AT
LZ03	23289844	COIL, PEAKING, TRF4470AT
LZ04	23289844	COIL, PEAKING, TRF4470AT
LZ05	23289844	COIL, PEAKING, TRF4470AT
LZ06	23103852	COIL, FILTER, TEM2028AH
LZ07	23103827	INDUCTOR, BEAD, TEM2120M
LZ09	23103827	INDUCTOR, BEAD, TEM2120M
LZ10	23103827	INDUCTOR, BEAD, TEM2120M
LZ11	23103827	INDUCTOR, BEAD, TEM2120M
△ T400	23224364	TRANSFORMER, FOCUS, TLN2168AH
T401	23224371	TRANSFORMER, HORIZ DRIVE, TLN1080AH
△ T461	23236732	FBT 32ZD26P 30KV BODY
△ T461A	23192964	ANODE CAP ASSY, TCC5606CT
△ T461B	23504203	CABLE, FOCUS
△ T461C	23236447	TRANSFORMER, HORIZ OUTPUT, TFB4115AR
T801	23211736	COIL, LINE FILTER, TRF3231AL
T802	23211736	COIL, LINE FILTER, TRF3231AL
△ T840	23217468	TRANSFORMER, POWER, TPW1565AZ
△ T863	23217562	CONV TRS EER49L 32ZD26P

Location No.	Parts No.	Description
SEMICONDUCTORS		
Q200	23114756	TRANSISTOR, 2SC2482
Q201	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
Q274	23314993	TRANSISTOR, 2SC4081 Q
Q301	23319787	IC, LA7833S
Q301B	70391355	SCREW, 3X8MM
Q302	23000711	IC, TA1317AN
Q303	23314791	TRANSISTOR, VCEO=-50V TO-92 2PA1015Y
Q340	70114396	TRANSISTOR, 2SC3326B
Q341	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
Q370	23114462	TRANSISTOR, RN1202
Q371	23114462	TRANSISTOR, RN1202
Q402	23114577	TRANSISTOR, 2SC22350 (FA-1
Q404	23205007	TRANSISTOR, 2SC5570(FA)
Q404B	23850638	INSULATOR, TRANSISTOR, AC263
Q404D	72471082	SCREW, 3X10MM
Q418	23314141	TRANSISTOR, 2SC3852
Q418B	70391355	SCREW, 3X8MM
Q420	23314141	TRANSISTOR, 2SC3852
Q420B	70391355	SCREW, 3X8MM
Q421	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
Q430	23314141	TRANSISTOR, 2SC3852
Q430B	70391355	SCREW, 3X8MM
Q460	23314938	TRANSISTOR, 2SD2493(P)
Q460B	72471082	SCREW, 3X10MM
Q461	23314791	TRANSISTOR, VCEO=-50V TO-92 2PA1015Y
Q470	23114541	TRANSISTOR, 2SA1320
Q470	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
Q471	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
Q472	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
Q473	23314791	TRANSISTOR, VCEO=-50V TO-92 2PA1015Y
Q501	23000624	IC, TB1274F(J)
Q504	23314994	TRANSISTOR, 2SA1576A106
Q506	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
Q507	23114501	TRANSISTOR, RN1402
Q510	23000584	IC, TA1316AN
Q612	23314994	TRANSISTOR, 2SA1576A106
Q670	23318814	IC, TA8211AH
Q670B	70391355	SCREW, 3X8MM
Q671	70114396	TRANSISTOR, 2SC3326B
Q672	70114396	TRANSISTOR, 2SC3326B
Q688	23114499	TRANSISTOR, RN1404
Q705	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
Q706	23114433	TRANSISTOR, 2SC1815-Y
Q707	23114437	TRANSISTOR, 2SC752GTM-Y
Q709	23114433	TRANSISTOR, 2SC1815-Y
Q710	23114425	TRANSISTOR, 2SA1015-Y(TE
Q711	23205075	TRANSISTOR, 2SA1930
Q711B	70391355	SCREW, 3X8MM
Q712	23205076	TRANSISTOR, 2SC5171
Q712B	70391355	SCREW, 3X8MM
Q719	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
Q801	23135029	IC, HYBRID IC STR-X6468
Q801B	72471082	SCREW, 3X10MM
Q805	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
Q807	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
△ Q826	23000823	IC, PHOTO COUPLER, TLP421F(GR)
Q827	23000352	IC, SE125N, LF4
Q831	23314141	TRANSISTOR, 2SC3852
Q831B	70391355	SCREW, 3X8MM
Q833	23314141	TRANSISTOR, 2SC3852
Q833B	70391355	SCREW, 3X8MM
Q840	23318299	IC, L78MR05-FA
Q840B	70391355	SCREW, 3X8MM
Q901	23314780	TRANSISTOR, 2SC4544
Q901B	70391355	SCREW, 3X8MM
Q902	23114433	TRANSISTOR, 2SC1815-Y

Location No.	Parts No.	Description
Q903	23314780	TRANSISTOR, 2SC4544
Q903B	70391355	SCREW, 3X8MM
Q904	23114433	TRANSISTOR, 2SC1815-Y
Q905	23314780	TRANSISTOR, 2SC4544
Q905B	70391355	SCREW, 3X8MM
Q906	23114433	TRANSISTOR, 2SC1815-Y
Q907	23114422	TRANSISTOR, 2SA562TM-Y
Q908	23114429	TRANSISTOR, 2SC2120-Y(TE
Q910	23114433	TRANSISTOR, 2SC1815-Y
Q2104	23314791	TRANSISTOR, VCEO=-50V TO-92 2PA1015Y
Q2105	23314791	TRANSISTOR, VCEO=-50V TO-92 2PA1015Y
Q2106	23314791	TRANSISTOR, VCEO=-50V TO-92 2PA1015Y
Q4200	23000370	IC, TA1318N
Q4465	23314994	TRANSISTOR, 2SA1576A106
Q4490	23118952	IC, PHOTO COUPLER, TLP521-1 (FA)
Q4491	23314917	TRANSISTOR, 2SK2003-01MR
Q4493	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
QA01	23009137	IC, 8BIT MICRO COMPUTER
QA02	23906642	IC, AT24C64-10PC
QA61	23000864	IC, 256K BIT CMOS EEPROM AT24C256-10PC
QB03	23314791	TRANSISTOR, VCEO=-50V TO-92 2PA1015Y
QB04	23314994	TRANSISTOR, 2SA1576A106
QB05	23314993	TRANSISTOR, 2SC4081 Q
QB06	23314994	TRANSISTOR, 2SA1576A106
QB30	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
QB42	23314994	TRANSISTOR, 2SA1576A106
QB43	23314993	TRANSISTOR, 2SC4081 Q
QB81	70114396	TRANSISTOR, 2SC3326B
QB82	70114396	TRANSISTOR, 2SC3326B
QB83	23314994	TRANSISTOR, 2SA1576A106
QB92	23314993	TRANSISTOR, 2SC4081 Q
QB93	23314994	TRANSISTOR, 2SA1576A106
QB94	23314994	TRANSISTOR, 2SA1576A106
QB95	23314994	TRANSISTOR, 2SA1576A106
QB96	23314994	TRANSISTOR, 2SA1576A106
QR01	23009037	IC, OSD 28SDIP 512CHR MB90096P-G-23
QR11	23314994	TRANSISTOR, 2SA1576A106
QS01	70114396	TRANSISTOR, 2SC3326B
QS02	70114396	TRANSISTOR, 2SC3326B
QS03	23314993	TRANSISTOR, 2SC4081 Q
QS04	23314993	TRANSISTOR, 2SC4081 Q
QS05	70114396	TRANSISTOR, 2SC3326B
QS06	70114396	TRANSISTOR, 2SC3326B
QS07	70114396	TRANSISTOR, 2SC3326B
QS08	70114396	TRANSISTOR, 2SC3326B
QS09	23114493	TRANSISTOR, RN2404
QS10	23114493	TRANSISTOR, RN2404
QT01	23009169	IC, 8BIT TV/TEXT MCU 128K
QT02	23314993	TRANSISTOR, 2SC4081 Q
QT03	70114402	TRANSISTOR, 2SC3437-Y
QT05	23314993	TRANSISTOR, 2SC4081 Q
QT06	23000283	IC, R1121N
QT08	23314993	TRANSISTOR, 2SC4081 Q
QT09	23000727	IC, SRAM 1M M5M51008BVP12
QT10	23314993	TRANSISTOR, 2SC4081 Q
QT11	23009114	IC, RESET 4.6V SMP5 BD4746G
QT12	23314994	TRANSISTOR, 2SA1576A106
QT13	23314994	TRANSISTOR, 2SA1576A106
QT14	23314994	TRANSISTOR, 2SA1576A106
QT15	23314994	TRANSISTOR, 2SA1576A106
QV01	23906887	IC, AV-SW IC QFP64PIN CXA2069Q
QV02	23314993	TRANSISTOR, 2SC4081 Q
QV03	23314993	TRANSISTOR, 2SC4081 Q
QV04	23314993	TRANSISTOR, 2SC4081 Q
QV06	23314994	TRANSISTOR, 2SA1576A106
QV09	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y

Location No.	Parts No.	Description
QV12	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
QV14	23314794	TRANSISTOR, VCEO=50V TO-92 2PC1815Y
QV15	23314993	TRANSISTOR, 2SC4081 Q
QX01	70114396	TRANSISTOR, 2SC3326B
OZ01	23000796	IC, CMOS MULTI COMB SOP28 TC90A69F(ELP)
OZ02	23314993	TRANSISTOR, 2SC4081 Q
OZ04	23314994	TRANSISTOR, 2SA1576A106
OZ05	23314994	TRANSISTOR, 2SA1576A106
OZ07	23314994	TRANSISTOR, 2SA1576A106
OZ08	23314993	TRANSISTOR, 2SC4081 Q
D101	23316756	DIODE, ZENER, MTZJ33D
D240	23115599	DIODE, 1N4148
D301	23118479	DIODE, BYD33J
D302	23118094	DIODE, EU2A
D303	23316794	DIODE, SC570A
D304	23118094	DIODE, EU2A
D312	23115599	DIODE, 1N4148
D313	23115599	DIODE, 1N4148
D320	23115599	DIODE, 1N4148
D327	23316717	DIODE, ZENER, MTZJ11C
D328	23316717	DIODE, ZENER, MTZJ11C
D336	23316672	DIODE, ZENER, MTZJ5.6B
D337	23316672	DIODE, ZENER, MTZJ5.6B
D370	23118479	DIODE, BYD33J
D371	23118479	DIODE, BYD33J
D373	23118519	DIODE, ZENER, RD8.2ES
D374	23115599	DIODE, 1N4148
D404	23224366	DIODE, FMQ-3GU
D404B	72471082	SCREW, 3X10MM
D406	23118479	DIODE, BYD33J
D415	23118094	DIODE, EU2A
D418	23316749	DIODE, ZENER, MTZJ30A
D419	23316691	DIODE, ZENER, MTZJ10C
D420	23316682	DIODE, ZENER, MTZJ7.5C
D421	23316680	DIODE, ZENER, MTZJ7.5A
D422	23316726	DIODE, ZENER, MTZJ15C
D431	23316669	DIODE, ZENER, MTZJ5.1B
D432	23316670	DIODE, ZENER, MTZJ5.1C
D436	23115599	DIODE, 1N4148
D441	23316687	DIODE, ZENER, MTZJ9.1B
D442	23118094	DIODE, EU2A
D462	23115599	DIODE, 1N4148
D467	23118479	DIODE, BYD33J
D470	23316670	DIODE, ZENER, MTZJ5.1C
D474	23316719	DIODE, ZENER, MTZJ12B
D490	23115599	DIODE, 1N4148
D502	23118041	DIODE, MA111
D506	23316673	DIODE, ZENER, MTZJ5.6C
D511	23357037	DIODE, ZENER, UDZS5.6B
D514	23357037	DIODE, ZENER, UDZS5.6B
D515	23357037	DIODE, ZENER, UDZS5.6B
D520	23316647	DIODE, ZENER, MTZJ2.0B
D611	23118041	DIODE, MA111
D612	23118041	DIODE, MA111
D613	23118041	DIODE, MA111
D614	23118041	DIODE, MA111
D670	23118041	DIODE, MA111
D671	23118041	DIODE, MA111
D674	23118041	DIODE, MA111
D675	23118041	DIODE, MA111
D704	23115599	DIODE, 1N4148
D705	23115599	DIODE, 1N4148
D715	23115599	DIODE, 1N4148
D721	23115599	DIODE, 1N4148
D801	23357041	DIODE, LN6SB60-F05
D803	23316672	DIODE, ZENER, MTZJ5.6B

Location No.	Parts No.	Description
D805	23357012	DIODE, 1SS244
D806	23118479	DIODE, BYD33J
D807	23316746	DIODE, ZENER, MTZJ27B
D817	23316754	DIODE, ZENER, MTZJ33B
D840	23316711	DIODE, S1WBA60
D842	23316724	DIODE, ZENER, MTZJ15A
D844	23316686	DIODE, ZENER, MTZJ9.1A
D845	23115599	DIODE, 1N4148
D855	23115599	DIODE, 1N4148
D871	23118479	DIODE, BYD33J
D883	23118338	DIODE, RU4AM LF-K2
D885	23118052	DIODE, RU4Z LF-L1
D891	23316463	DIODE, RK46
D892	23118052	DIODE, RU4Z LF-L1
D893	23316673	DIODE, ZENER, MTZJ5.6C
D894	23316673	DIODE, ZENER, MTZJ5.6C
D901	23115599	DIODE, 1N4148
D904	23115599	DIODE, 1N4148
D905	23115599	DIODE, 1N4148
D906	23115599	DIODE, 1N4148
D907	23115599	DIODE, 1N4148
D908	23115599	DIODE, 1N4148
D909	23115599	DIODE, 1N4148
D911	23118479	DIODE, BYD33J
D4410	23115599	DIODE, 1N4148
D4411	23115599	DIODE, 1N4148
D4412	23115599	DIODE, 1N4148
DA42	23316673	DIODE, ZENER, MTZJ5.6C
DB02	23358564	LED, LAMP RED, SLR-56VC3FPQ
DB03	23358563	LED, LAMP GREEN, SLR-56MC3FPQR
DB30	23115599	DIODE, 1N4148
DR01	23118041	DIODE, MA111
DR02	23118041	DIODE, MA111
DR03	23118041	DIODE, MA111
DR12	23357172	DIODE, ZENER, UDZS10B
DR13	23357172	DIODE, ZENER, UDZS10B
DR14	23357172	DIODE, ZENER, UDZS10B
DR70	23357037	DIODE, ZENER, UDZS5.6B
DS09	23118041	DIODE, MA111
DS11	23118041	DIODE, MA111
DS12	23118041	DIODE, MA111
MISCELLANEOUS		
B221	23037312	SCREW, BTBW3X12SZN
B224	23037312	SCREW, BTBW3X12SZN
BB15A	23902749	CONNECTOR, B-B, 6P
BB15B	23368517	CONNECTOR, B-B, 6P
BB16A	23903022	CONNECTOR, BASE B-B 8P 2.5 JST
BB21A	23713014	CONNECTOR, BRIDGE PLUG 16P 1.5
BB21B	23713013	BASE SOCKET 16P 1.5
BB22A	23368517	CONNECTOR, B-B, 6P
BB22B	23902749	CONNECTOR, B-B, 6P
BB23A	23713014	CONNECTOR, BRIDGE PLUG 16P 1.5
BB23B	23713013	BASE SOCKET 16P 1.5
△ F470	23144503	FUSE, CARTRIDGE 5.2X20, 250V 1.25A
F470A	23165433	FUSE HOLDER, 5.2 SOC
△ F801	23144508	FUSE, CARTRIDGE 5.2X20, 250V 4.0A
F801A	23165433	FUSE HOLDER, 5.2 SOC
△ F802	23144506	FUSE, CARTRIDGE 5.2X20, 250V 2.5A
F802A	23165433	FUSE HOLDER, 5.2 SOC
△ F889	23144458	FUSE, 5.0A 250V
F889A	23165433	FUSE HOLDER, 5.2 SOC
G299	24366103	CARBON FILM, 1/6W 10K OHM J
G312	24366223	CARBON FILM, 1/6W 22K OHM J
G401	23103894	FILTER, FERRITE BEAD, TEM2011AW
G404	23103894	FILTER, FERRITE BEAD, TEM2011AW
G443	23115599	DIODE, 1N4148

Location No.	Parts No.	Description
G484	24591152	PLASTIC FILM, 50V 1500PF J
G601	24000445	CHIP JUMPER, 1608TYPE
G602	24000445	CHIP JUMPER, 1608TYPE
G603	24000445	CHIP JUMPER, 1608TYPE
G604	24000445	CHIP JUMPER, 1608TYPE
G684	23118041	DIODE, MA111
GA37	23103828	INDUCTOR, BEAD, TEM2121M
GA38	23103828	INDUCTOR, BEAD, TEM2121M
GA76	24366103	CARBON FILM, 1/6W 10K OHM J
GC01	24000445	CHIP JUMPER, 1608TYPE
GC02	24000445	CHIP JUMPER, 1608TYPE
GC03	24000445	CHIP JUMPER, 1608TYPE
GC04	24000445	CHIP JUMPER, 1608TYPE
GJ03	24000445	CHIP JUMPER, 1608TYPE
GJ04	24000445	CHIP JUMPER, 1608TYPE
GJ05	24000445	CHIP JUMPER, 1608TYPE
GJ08	24000445	CHIP JUMPER, 1608TYPE
GJ09	24000445	CHIP JUMPER, 1608TYPE
GJ11	24000445	CHIP JUMPER, 1608TYPE
GJ30	24000445	CHIP JUMPER, 1608TYPE
GJ44	24000445	CHIP JUMPER, 1608TYPE
GJ46	24000445	CHIP JUMPER, 1608TYPE
GJ48	24000445	CHIP JUMPER, 1608TYPE
GJ49	24000445	CHIP JUMPER, 1608TYPE
GJ50	24000445	CHIP JUMPER, 1608TYPE
GJ51	24000445	CHIP JUMPER, 1608TYPE
GJ59	24000445	CHIP JUMPER, 1608TYPE
GJ63	24000445	CHIP JUMPER, 1608TYPE
GJ75	24000445	CHIP JUMPER, 1608TYPE
GJ76	24000445	CHIP JUMPER, 1608TYPE
GJ77	24000445	CHIP JUMPER, 1608TYPE
GJ78	24000445	CHIP JUMPER, 1608TYPE
GJ90	24000445	CHIP JUMPER, 1608TYPE
GT03	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
GT04	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
GT05	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
GT07	24000445	CHIP JUMPER, 1608TYPE
GT09	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
GV03	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
GV04	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
GV05	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
GV06	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
GV35	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
GV42	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
H002	23148745	MODULE, NICAM/IGR A-PRO, MP5N11C
HX01	23148021	SCAN CONVERTER MODUL, DFS
KB01	23000852	IC, REMOCON RECEIVER, PIC-37043TE2
P661	23363607	JACK, HEAD PHONE, 3.5MM
△ P801	23372052	POWER CORD, 250V2.5A
△ P801	23372151	POWER CORD, AC250V3A L/FUSE13A GB13F1 FUSE13A
P801A	23368013	CONNECTOR, PLUG, 2P 11.88MM W VT-JST
P821A	23368013	CONNECTOR, PLUG, 2P 11.88MM W VT-JST
P821B	23368013	CONNECTOR, PLUG, 2P 11.88MM W VT-JST
P831A	23368013	CONNECTOR, PLUG, 2P 11.88MM W VT-JST
P831B	23368013	CONNECTOR, PLUG, 2P 11.88MM W VT-JST
PF01	23902655	CONNECTOR, 15P
PH02	23365598	21 PIN CONNECTOR 2100RFT 21 PIN CONNECTOR
PT01	23367724	CONNECTOR, B-B, 15P
PV01	23023008	JACK, PIN JACK 0S7P ICE
△ S801	23344416	SWITCH, POWER PUSH 2C1P ESB92D21B

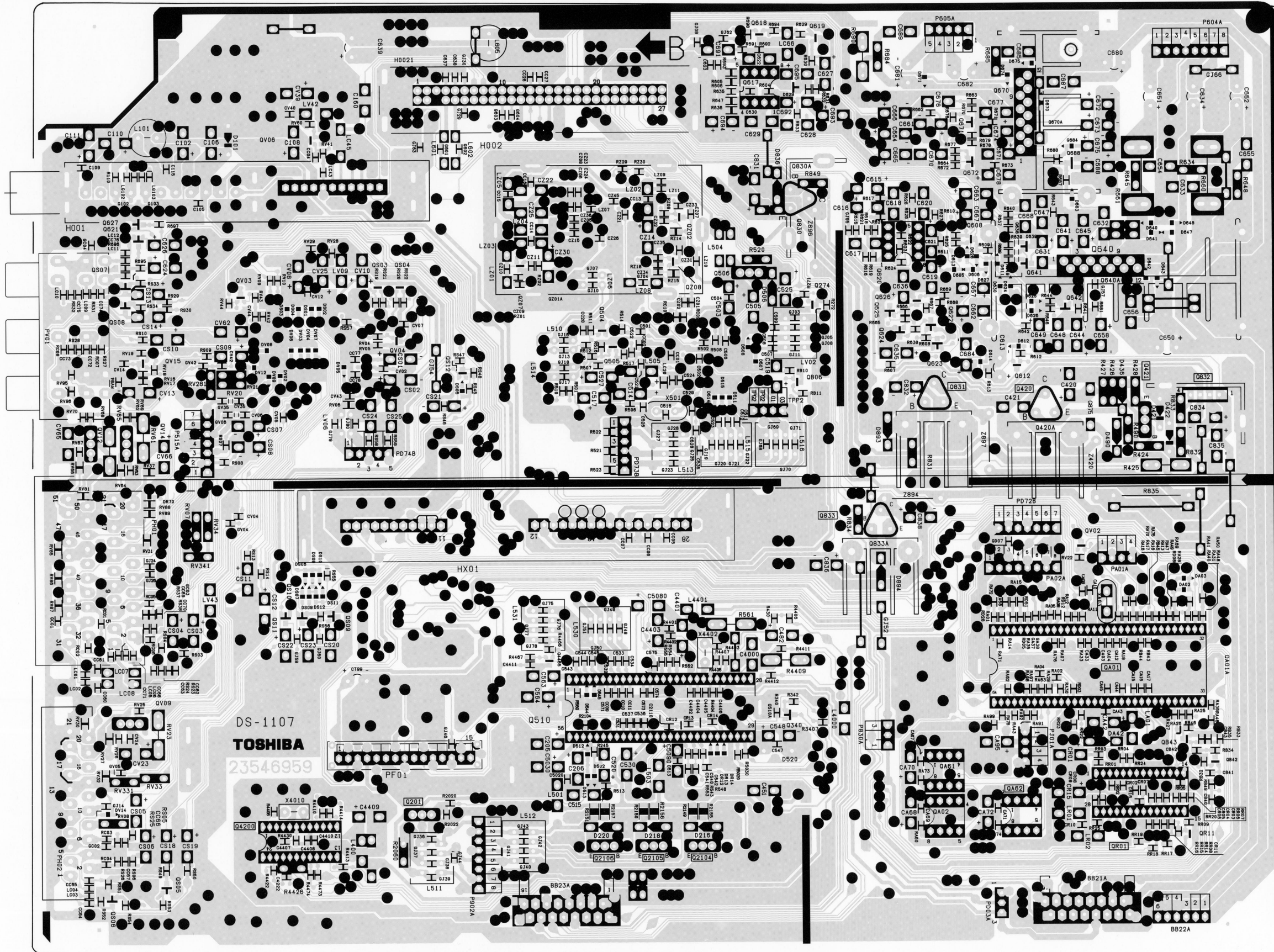
Location No.	Parts No.	Description
SA01	23145430	SWITCH, PUSH, SKHHLMA010
SA02	23145430	SWITCH, PUSH, SKHHLMA010
SA03	23145430	SWITCH, PUSH, SKHHLMA010
SA04	23145430	SWITCH, PUSH, SKHHLMA010
SA05	23145430	SWITCH, PUSH, SKHHLMA010
△ SR82	23146574	RELAY, DLS5D1-O(M) 0.15W
△ SR83	23146570	RELAY, DC12V, 2M OMR, G5PA-2 DC12
△ V901A	23903150	SOCKET, ISHL46A-E ICE 29MM
W661	23351143	SPEAKER, 60X120 8-OHM 10W SPK1400
W662	23351143	SPEAKER, 60X120 8-OHM 10W SPK1400
X4010	23153721	CERAMIC RESONATOR, 503KHZ
X4402	23153721	CERAMIC RESONATOR, 503KHZ
X501	23153438	CRYSTAL, 16.200 25PPM 25OHM
XA03	23153394	CRYSTAL, 16.000000MHZ AT-51
XT01	23153930	CRYSTAL, 12.000 25PPM 40OHM 7PF
Z404	23144536	PROTECTOR, 491SERIES, 125V 1A
Z420	23144539	PROTECTOR, 491SERIES, 125V 2A
Z463	23144536	PROTECTOR, 491SERIES, 125V 1A
Z871	23144543	PROTECTOR, 491SERIES, 125V 5A
Z890	23144543	PROTECTOR, 491SERIES, 125V 5A
Z891	23144543	PROTECTOR, 491SERIES, 125V 5A
Z894	23144539	PROTECTOR, 491SERIES, 125V 2A
Z897	23144539	PROTECTOR, 491SERIES, 125V 2A
PC BOARD ASSEMBLIES		
* U104	23786696	TEXT-P2 BOARD, PD0267
* U901	23787225	CRT-D BOARD, PD0491A
* U902	23787226	SIGNAL BOARD, PD0492A
* U903A	23787227	POWER BOARD, PD0493A-1
* U903B	23787230	CONT-2 BOARD, PD0493A-2
* U903C	23787231	INDICATOR BOARD, PD0493A-3
* U904	23787228	DEF BOARD, PD0494A
* U905	23787229	CONT-1 BOARD, PD0515A
PICTURE TUBE		
△ V901	23312964	PICTURE TUBE, W76LTL350X94
TUNER		
H001	23321398	TUNER, EURO IF ALPS, TADF4-003A
ACCESSORIES		
K902	23306435	REMOCON HAND UNIT IR, CTVPAL CT-90101
△ Y101A	23565588	OWNER'S MANUAL, ENGLISH, 32ZD26P
△ Y101B	23565589	OWNER'S MANUAL, FRENCH, 32ZD26P
△ Y101C	23565590	OWNER'S MANUAL, GERMAN, 32ZD26P
△ Y101D	23565591	OWNER'S MANUAL, ITALIAN, 32ZD26P
△ Y101E	23565592	OWNER'S MANUAL, SPANISH, 32ZD26P
△ Y101F	23565593	OWNER'S MANUAL, PORTUGUES, 32ZD26P
△ Y101G	23565594	OWNER'S MANUAL, DANISH, 32ZD26P
△ Y101H	23565595	OWNER'S MANUAL, SWEDISH, 32ZD26P
△ Y101J	23565596	OWNER'S MANUAL, FINNISH, 32ZD26P
△ Y101K	23565597	OWNER'S MANUAL, DUTCH, 32ZD26P
△ Y101L	23565598	OWNER'S MANUAL, POLISH, 32ZD26P
△ Y101M	23565599	OWNER'S MANUAL, TURKISH, 32ZD26P
△ Y101N	23565600	OWNER'S MANUAL, NORWEGIAN, 32ZD26P
CABINET PARTS		
△ A201S	23530205	COVER, FRONT COVER FOR SE
A214	23035412	SCREW, BTB4X12SZN
A221	23035412	SCREW, BTB4X12SZN
A222	23035412	SCREW, BTB4X12SZN
A223	23037312	SCREW, BTBW3X12SZN
A225	23035412	SCREW, BTB4X12SZN
A231	23445607	BUTTON, BUTTON (POWER)

Location No.	Parts No.	Description
A236	23527208	GRILLE, SPEAKER GRILLE 32
A241	70368125	PUSH CATCH
A242	23428067	DOOR, DOOR PROPER 32ZD26P
A243	23445606	BUTTON, BUTTON (CONTROL)
A245	23037312	SCREW, BTBW3X12SZN
A247	23037312	SCREW, BTBW3X12SZN
A248	23035412	SCREW, BTB4X12SZN
A249	23035412	SCREW, BTB4X12SZN
△ A401	23530210	COVER, BACK COVER PROPER
A413	23035412	SCREW, BTB4X12SZN
A701	23064789	CARTON, CARTON 32ZD26P
A702	23946346	PACKING, BOTTOM PACKING 3
A703	23946347	PACKING, TOP PACKING 32ZD

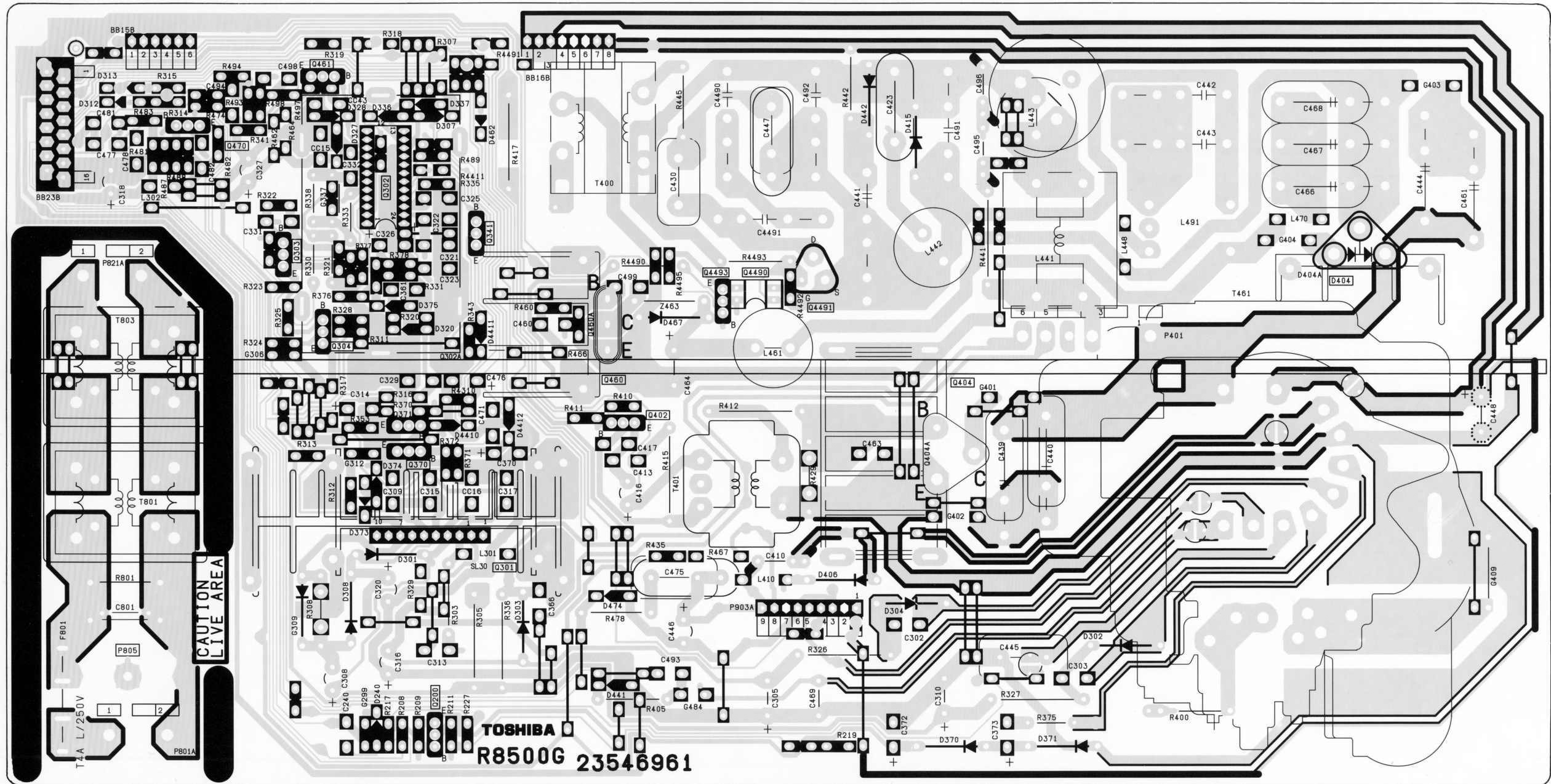
Location No.	Parts No.	Description
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SIGNAL BOARD PD0492A
BOTTOM (FOIL) SIDE

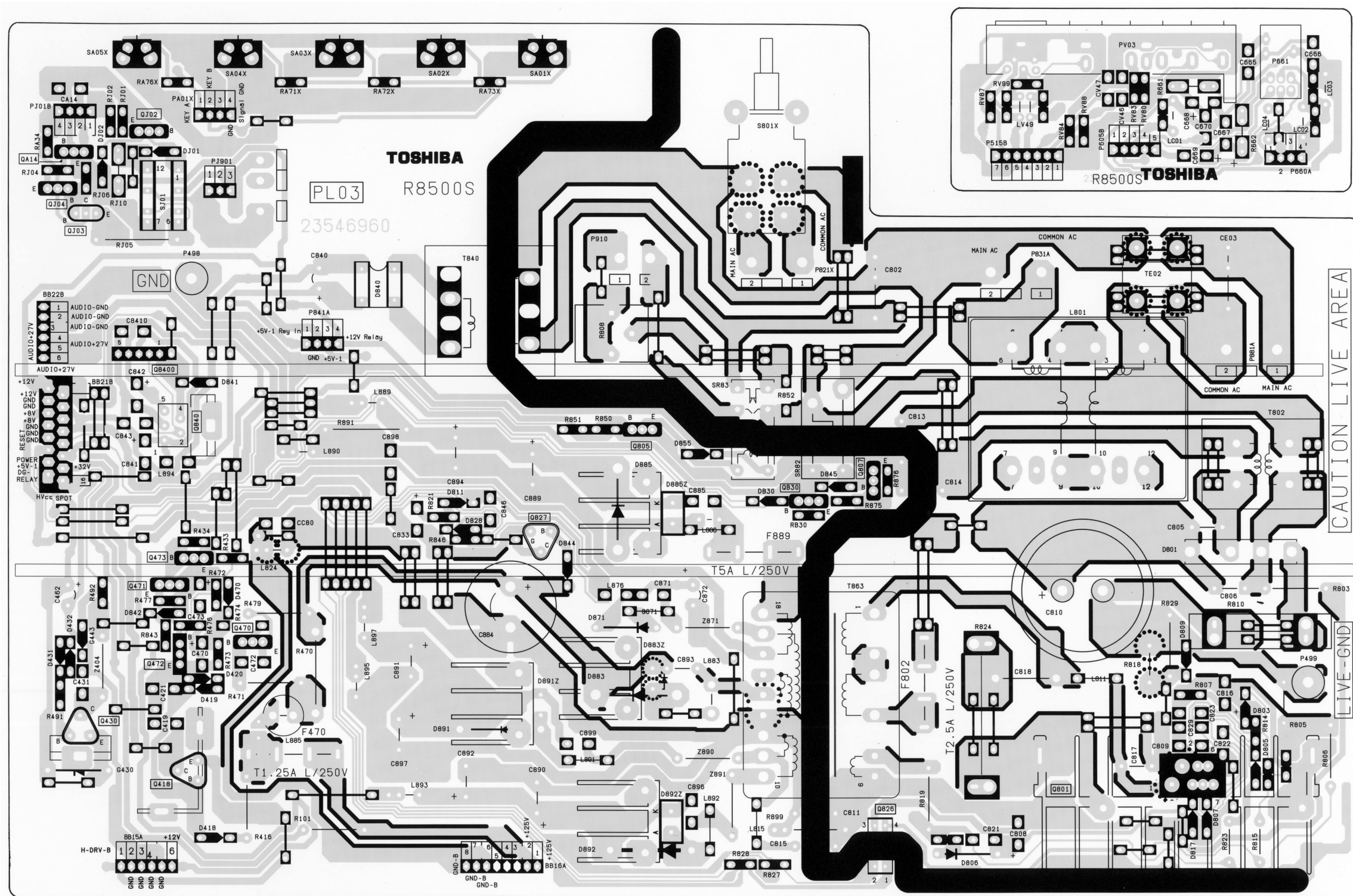


DEF BOARD PD0494A
 BOTTOM (FOIL) SIDE

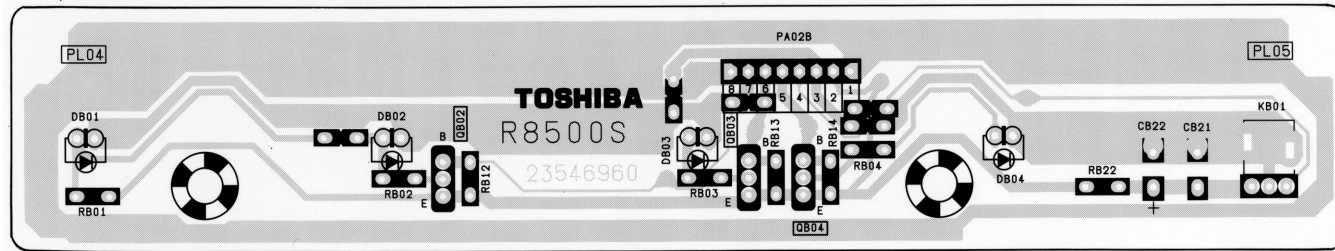


POWER BOARD PD0493A-1
BOTTOM (FOIL) SIDE

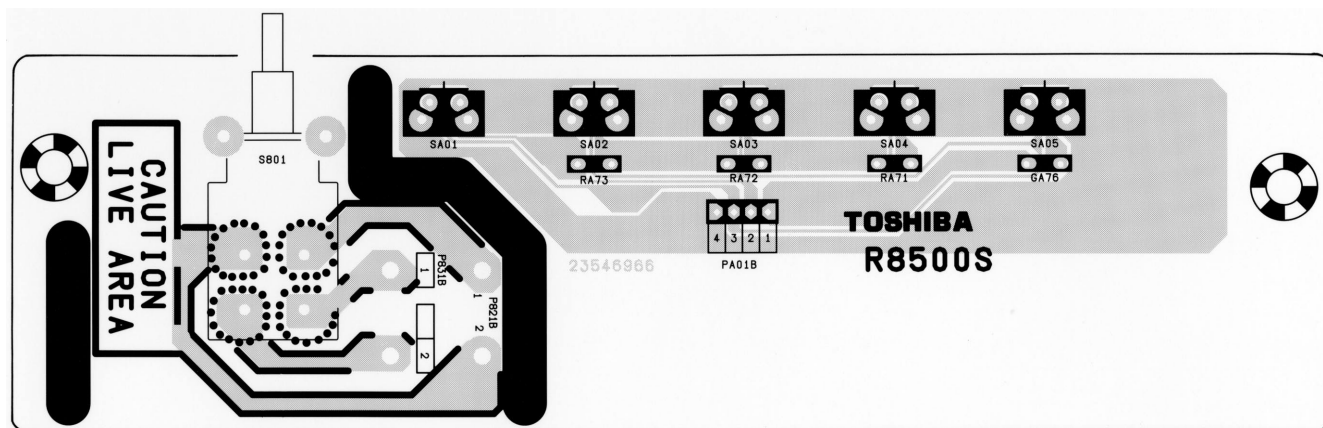
CONT-2 BOARD PD0493A-2
BOTTOM (FOIL) SIDE



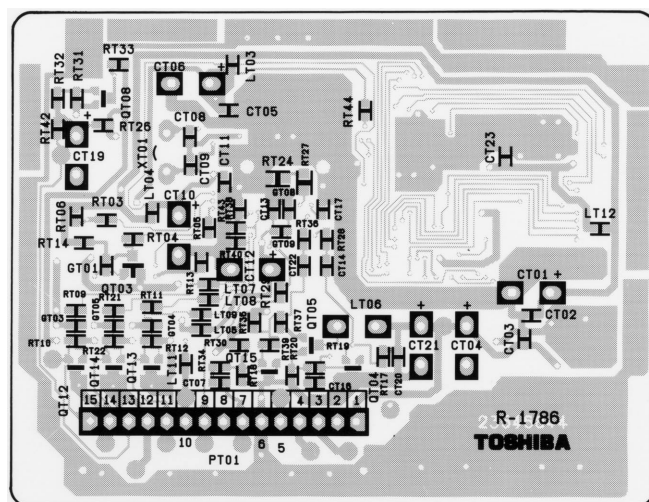
INDICATOR BOARD PD00493A-3
BOTTOM (FOIL) SIDE



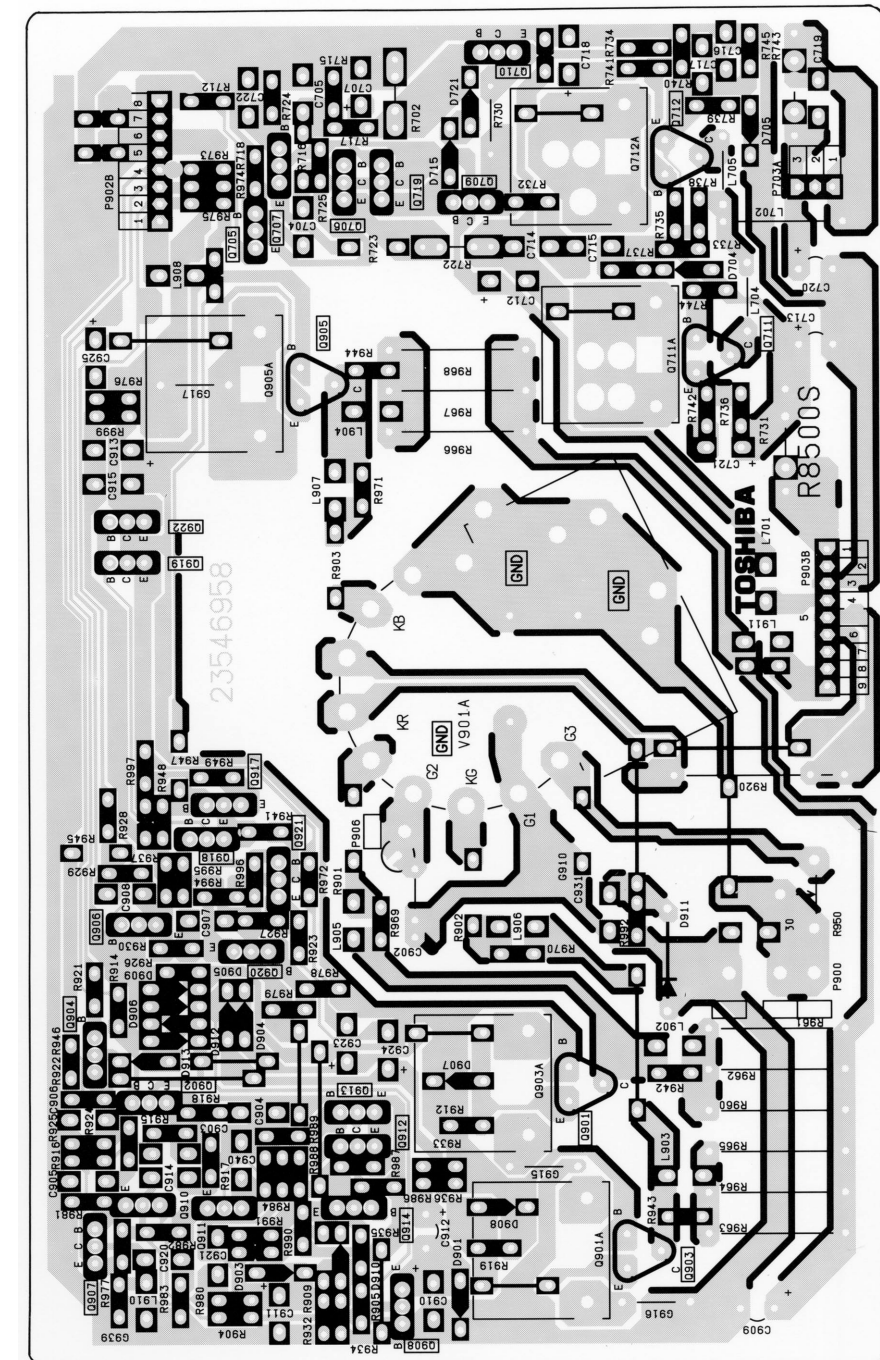
CONT-1 BOARD PD0515A
BOTTOM (FOIL) SIDE



TEXT-P2 BOARD PD0267
BOTTOM (FOIL) SIDE

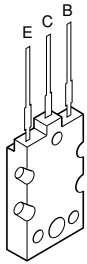


CRT-D BOARD PD0491A
BOTTOM (FOIL) SIDE

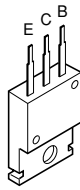


TERMINAL VIEW OF TRANSISTORS

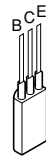
① 2SD2253
(old)
2SC5243
2SC5570



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



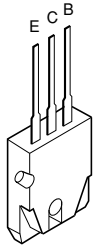
③ 2SC752GTM
2SC2482
2SC2655
2SC4721P



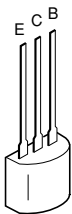
④ 2SC752
2SA562TM
2SA1015
2SC1815
2SC2878
2SC1740S
2SC2120
2SA9335



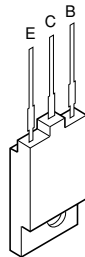
⑤ 2SA1788



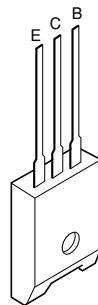
⑥ RN2203
RN2201
RN2004
RN1203
RN1204
RN2204
RN1205
RN1202
RN1201



⑦ 2SD1554
2SD2253
2SD1556
2SC5143
2SD2553



⑧ ON4409



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

SCHEMATIC DIAGRAM

MODEL : 32ZD26P

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 " \triangle " 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.

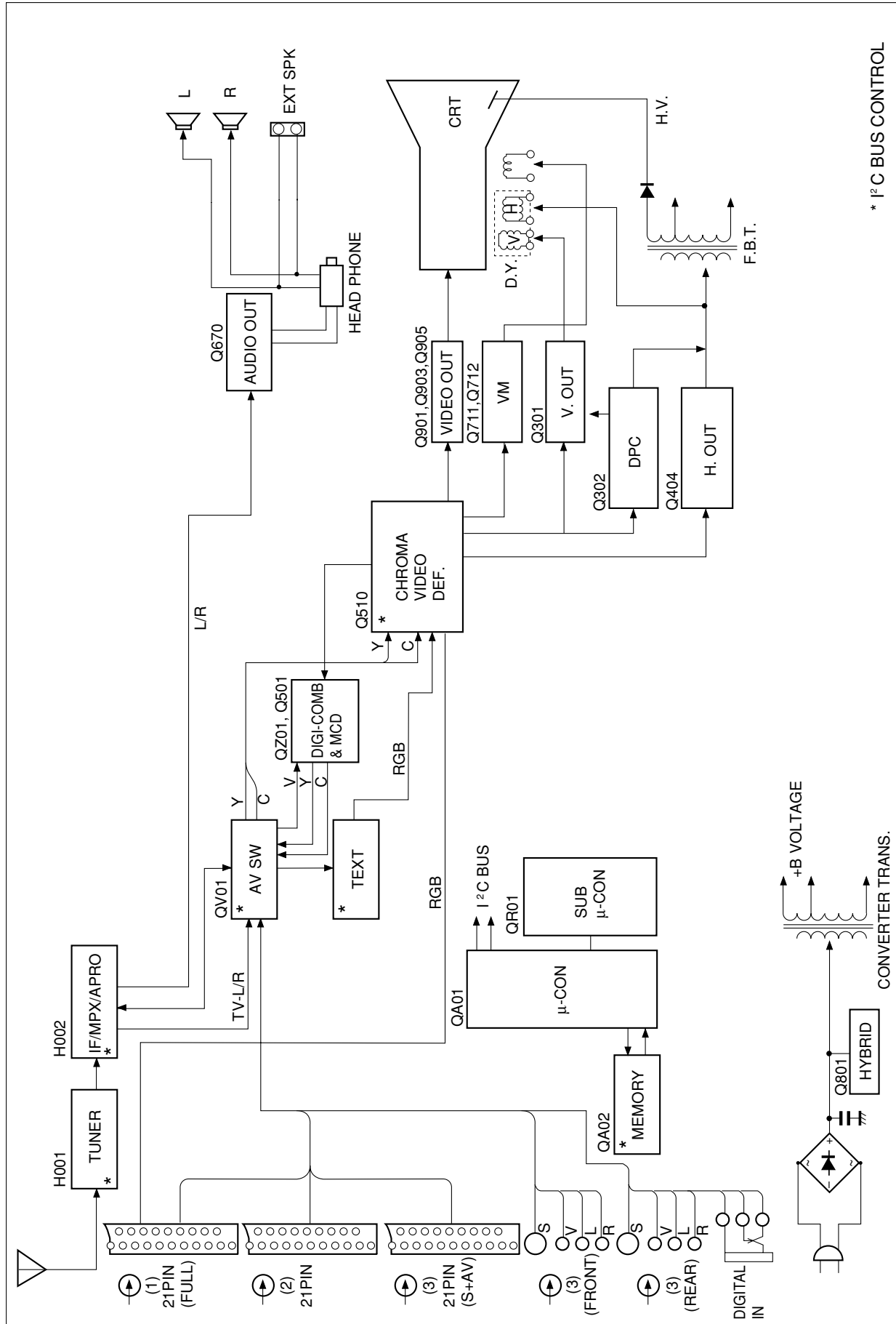
NOTE:

- 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 = $\pm 10\%$ G = $\pm 2\%$ F = $\pm 1\%$
- CAPACITOR** Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in μF , and the values more than 1 in pF.
All capacitors are ceramic 50V, unless otherwise noted as the following marks.
 Electrolytic capacitor  Mylar capacitor
- The parts indicated with " \triangle " have special characteristics, and should be replaced with identical parts only.
- Voltages read with DIGITAL MULTI-METER from point indicated to chassing ground, using a color bar signal with all controls at normal, line voltage 220 volts.
- Waveforms are taken receiving color bar signal with enough sensitivity.
- Voltage reading shown are nominal values and may vary $\pm 20\%$ except H.V.

■ SCHEMATIC DIAGRAM STRUCTURE:

- CONT-1 Circuit
- CRT-D Circuit
- DEF Circuit
- POWER / CONT-2 / INDICATOR Circuit
- SIGNAL Circuit

CIRCUIT BLOCK DIAGRAM



SPECIFICATIONS						
Input Power Rating:	AC 220 ~ 240 Volts, 50 Hz					
Aerial Input Impedance:	75 ohm unbalanced type for VHF, UHF and CATV					
Receiving Channels:	System	Channel	VHF	UHF	CATV	
	PAL B/G	CCIR	2 ~ 12	21 ~ 69	S1 ~ S41	X ~ Z + 2,
	SECAM B/G	CCIR	2 ~ 12	21 ~ 69	S1 ~ S41	X ~ Z + 2,
	PAL D/K	CHINA	1 ~ 12	13 ~ 57	Z-1 ~ Z-35	
	PAL I	UK		21 ~ 69		
	SECAM D/K	OIRT	1 ~ 12	21 ~ 69	X-1 ~ X-19	
	SECAM L FRANCE/CCIR	FB ~ F6		21 ~ 69	X ~ Z + 2	S1 ~ S41
	PAL, SECAM 50 Hz/60 Hz (For Video Disk play back)					
	4.43 NTSC (For VCR playback), 3.58 NTSC (For VCR playback)					
Intermediate Frequencies:	Picture I-F carrier frequency		38.9 MHz (L VL)			
	Sound I-F carrier frequency					
	B/G System		33.4 MHz			
	D/K System		32.4 MHz			
Picture Tube:	32 inches, 760 mm (measured on diagonal of viewable picture area)					
	106° deflection					
Sound Output:	10 W + 10 W (at 10% Distortion, Main)					
Speakers:	60 mm x 120 mm oval, 2 pcs (Main)					
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		593 mm			
	Width		902 mm			
	Depth		549 mm			
Mass:	54.0 kg					

* Please refer to owner's manual in detail.

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