

TOSHIBA

FILE NO. 020-200316

SERVICE MANUAL

COLOR TELEVISION

N3PS Chassis

32HFX73, 36HFX73

(TAC0328)

(TAC0327)



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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 120V AC power source. The high voltage must not, under any circumstances, exceed (B) kV.

Refer to table-1 for high voltage (A), (B).
(See SETTING & ADJUSTING DATA on page 12)

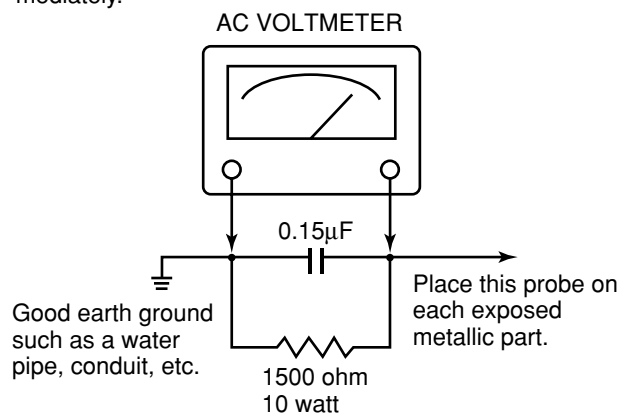
Each time a receiver requires servicing, the high voltage should be checked following the HIGH VOLTAGE CHECK procedure in this manual. It is recommended that the reading of the high voltage be recorded as a part of the service record. It is important to use an accurate and reliable high voltage meter.
2. This receiver is equipped with a Fail Safe (FS) circuit which prevents the receiver from producing an excessively high voltage even if the B+ voltage increases abnormally. Each time the receiver is serviced, the FS circuit must be checked to determine that the circuit is properly functioning, following the FS CIRCUIT CHECK procedure in this manual.
3. 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.
4. 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.
4. Before returning the set to the customer, always perform an AC leakage current check on the exposed metallic parts of the cabinet, such as antennas, terminals, screwheads, metal overlays, control shafts etc. to be sure the set is safe to operate without danger of electrical shock. Plug the AC line cord directly into a 120V AC outlet (do not use a line isolation transformer during this check). Use an AC voltmeter having 5000 ohms per volt or more sensitivity in the following manner:

Connect a 1500 ohm 10 watt resistor, paralleled by a 0.15 μ F, AC type capacitor, between a known good earth ground (water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the AC voltage across the combination of 1500 ohm resistor and 0.15 μ F capacitor. Reverse the AC plug at the AC outlet and repeat AC voltage measurements for each exposed metallic part. Voltage measured must not exceed 0.3 volts rms. This corresponds to 0.2 milliamp. AC. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.



PRODUCT SAFETY NOTICE

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

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

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

SET-UP ADJUSTMENT (FOR FLAT TUBE)

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

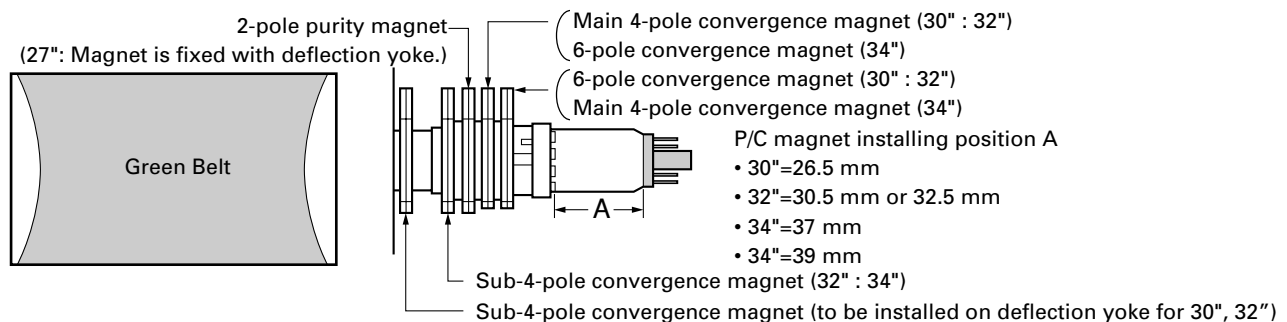
1. Color Purity
2. Convergence
3. White Balance

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

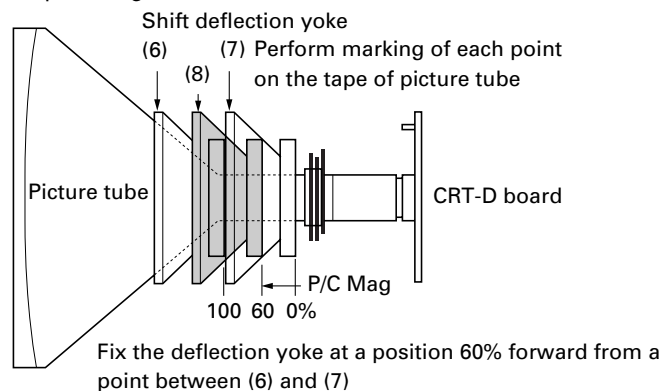
COLOR PURITY ADJUSTMENT

- (1) Let the screen face in the installing direction or toward the east (when it is to be moved), bring up the service mode screen after demagnetizing (front, left, right, and top) with the degaussing coil, receive white signals by pressing the [TV/VIDEO] button, and then the receiver should be operated for more than 40 minutes.
- (2) Perform rough adjustment of the central convergence with the P/C magnet according to the adjustment item.
- (3) Receive built-in green signals, loosen set screws on the deflection yoke, remove rubber wedges, and shift the deflection yoke toward front.
- (4) Move alternately the two 2-pole magnets of the P/C magnets so that the green raster can come to the center of the screen.

Figure 1.



- (5) Receive built-in red and blue signals, check that there is no inclination of the single color raster toward one side, and if each color tilts to a great extent, make adjustment with the 2-pole magnet so that the 3 colors will come to the center evenly.
- (6) Receive the green raster, shift the deflection yoke from a foremost position (hitting against the picture tube) to a backward position horizontally, stop the deflection yoke at a position where it begins to become a green raster, and perform accurate marking on the picture tube.
- (7) Shift the deflection yoke further backward, and perform accurate marking at a position where the green raster begins to be luk.
- (8) Fix the deflection yoke at a position 60% forward within the range marked in items (6) and (7) above.



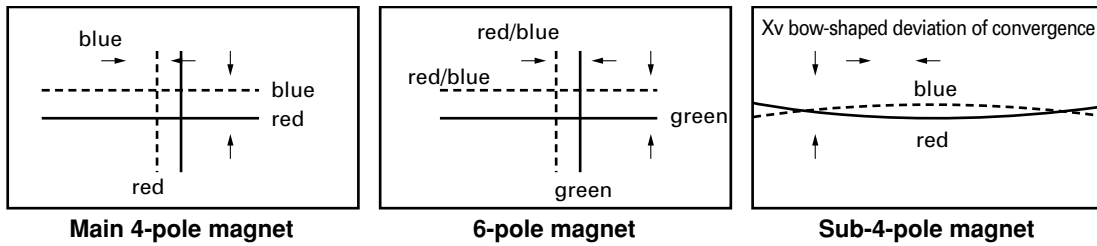
CONVERGENCE ADJUSTMENTS

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

■ CENTER CONVERGENCE:

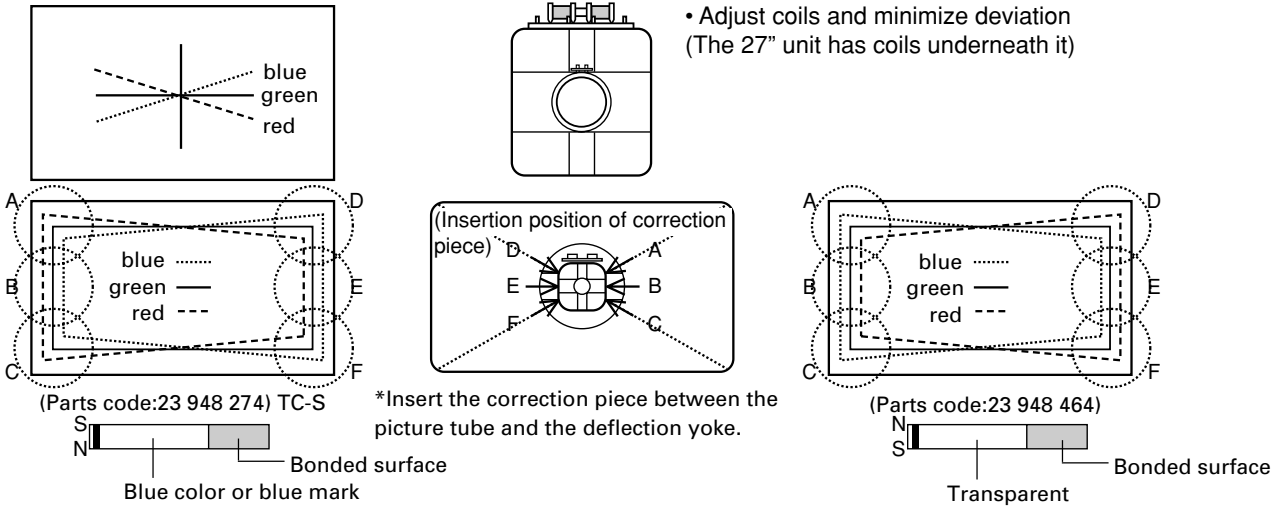
- (1) Receive the white crosshatch or dot pattern from the service signal generator.
- (2) Use the 2 pieces of main 4-pole magnets of P/C magnets, change the open angle, and align the red and blue vertical lines on the screen center.
- (3) Freeze the open angle of the main 4-pole magnets, turn them simultaneously, and align the horizontal lines.
- (4) Take the same steps for items (2) and (3) above and align red/blue with green on the screen center using two 6-pole magnets.

(5) Adjust the sub-4-pole magnets only in case there is any deviation of Xv bow-shaped convergence. (To be usually set at the initial position)
Align both sides with the sub-4-pole magnets and minimize the deviation of blue and red with the main 4-pole magnets.



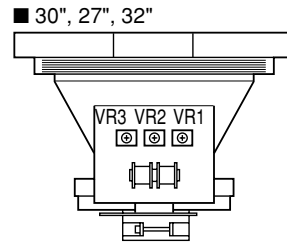
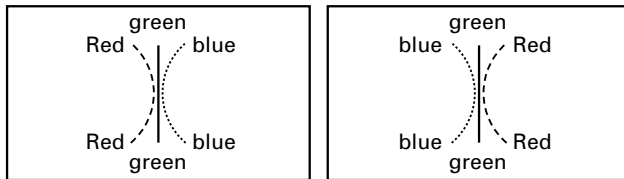
■ CIRCUMFERENCE CONVERGENCE:

* Perform correction in the following manner.

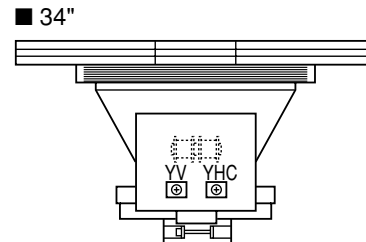
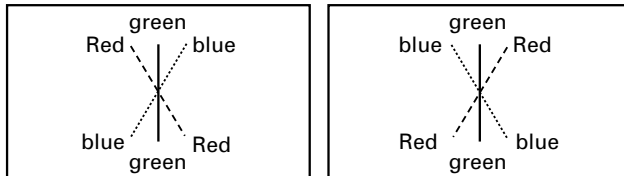


• Adjust coils and minimize deviation
(The 27" unit has coils underneath it)

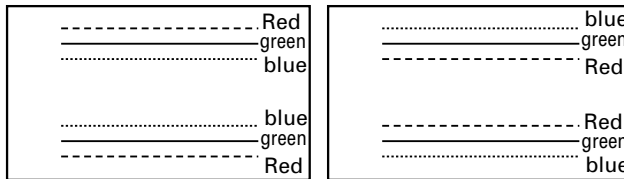
Adjust VR 1 and minimize the deviation of YH. *Only 27", 30" and 32".



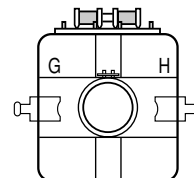
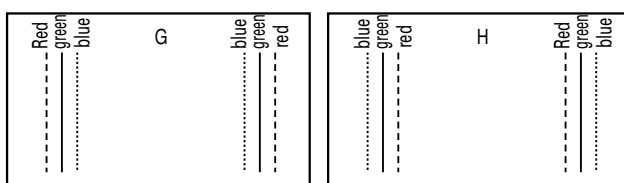
Adjust VR 2 (YHC) and minimize the deviation of YH.



Adjust VR 3 (YV) and minimize the deviation of YV.



27" (Part No. 23 947 371)
32", 30" (Part No. 23 947 121)
34" (Part No. 23 993 080)



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

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

SERVICE MODE

1. ENTERING TO SERVICE MODE

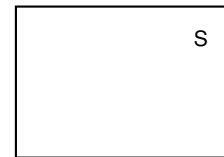
1) Press MUTE button twice on Remote Control.



2) Press MUTE button again to keep pressing.



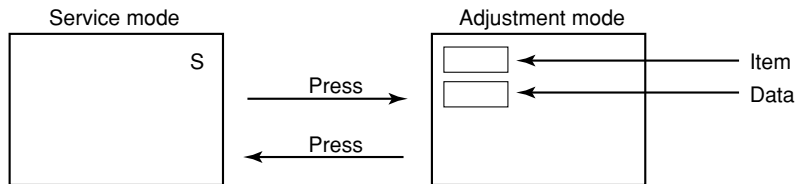
3) While pressing the MUTE button, press MENU button on TV set.



(Service mode display)

2. DISPLAYING THE ADJUSTMENT MENU

1) Press MENU button on TV.



3. KEY FUNCTION IN THE SERVICE MODE

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

A single horizontal line ON/OFF:	TV (ANT)/VIDEO button (on TV)
Test signal selection :	TV (ANT)/VIDEO 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, QA04) :	RECALL+Channel (▲) button on TV
Initialization of the self diagnostic data:	RECALL+Channel (▼) button on TV

“RCUT” selection :	1 button
“GCUT” selection :	2 button
“BCUT” selection :	3 button
“CNTX” selection :	4 button
“COLC” selection :	5 button
“TNTC” selection :	6 button
Test audio signal ON/OFF (1kHz) :	8 button
Self diagnostic display ON/OFF :	9 button

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 12)

5. ADJUSTING THE DATA

- 1) Pressing of VOLUME ▲ or ▼ 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 AND QA04

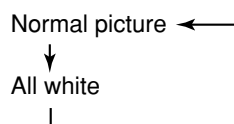
After replacing QA02 and QA04, the following initialization is required.

1. Enter the service mode, then select any register item.
2. Press and hold the RECALL button on the Remote, then press the CHANNEL ▲ button on the TV. The initialization of QA02 and QA04 has been completed.
3. Check the picture carefully. If necessary, adjust any adjustment item above.
Perform "Programming Channel Memory" on the owner's manual.

CAUTION: Never attempt to initialize the data unless QA02, QA04 has been replaced.

7. TEST SIGNAL SELECTION

- 1) Every pressing of TV/VIDEO button on the Remote Control in the Service mode changes the built-in test patterns on screen in the following order.



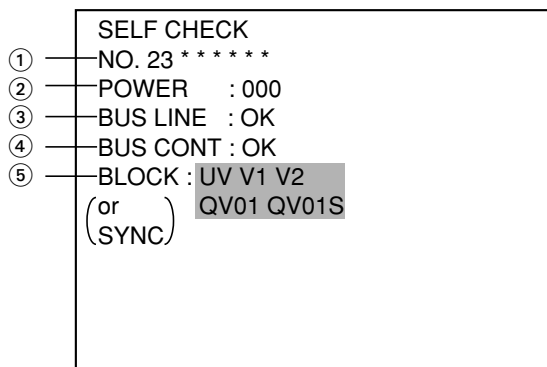
Signals	Picture
• All White	

- 2) Press "8" button while any built-in test pattern to on the screen to output the 1 kHz sound. Press the button again to cut off the sound.

Note: If the video cable is connected to the VIDEO1 INPUT jack, the built-in pattern signals are not displayed.

8. SELF DIAGNOSTIC FUNCTION

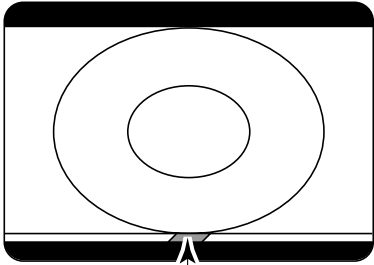
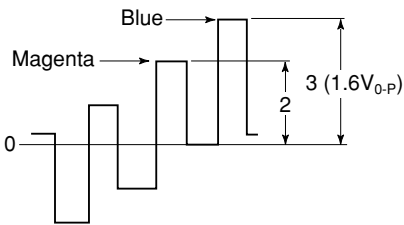
- 1) Press "9" button on Remote Control during display of adjustment menu in the service mode.
The diagnosis will begin to check if interface among IC's are executed properly.
- 2) During diagnosis, the following displays are shown.

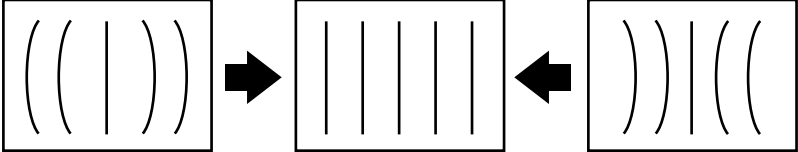
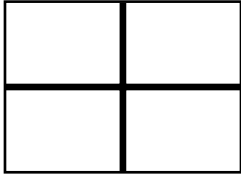
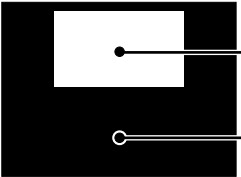


- ① Part number of microprocessor (QA01)
- ② Operation number of protection circuit (current limiter) . . . "000" is normal.
- ③ BUS line check — "OK" Normal
 "SC-L-GND" or "NG" SCL-GND short circuit
 "SC-A-GND" or "NG" SDA-GND short circuit
 "SC-L-SC-A" or "NG" SCL-SC-A short circuit
- ④ BUS line ACK (acknowledge) check
 "OK" Normal
 Display of Location Number . . . NG
 (Display example)
 "QA02 NG", "H001 NG", "Q501 NG" etc.
 Note: The indication of failure place is only one place though failure places are plural. When
 repair of a failure place finishes, the next failure place is indicated. (The order of priority of
 indication is left side.)
- ⑤ Sync. signal check — Green display Normal
 Cyan display No check
 Red display NG
 [UV TV mode
 V1 VIDEO 1 mode
 V2 VIDEO 2 mode]

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

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)	<ol style="list-style-type: none"> 1. Constrict the picture height until the vertical retrace line appears adjusting the item HIT (HEIGHT). 2. Adjust the CONTRAST control to the minimum. 3. Call up the adjustment mode display, then select the item BRTC. 4. Press the VOLUME ▲ or ▼ button so the belt of vertical retrace line just disappear. 5. Adjust the CONTRAST control for the desired contrast. 6. Perform the HEIGHT adjustment. <div style="text-align: center;">  <p style="text-align: center;">Vertical retrace line</p> </div>
SUB-COLOR (SCOL) SUB-TINT (TNTC)	<ol style="list-style-type: none"> 1. Receive color-bar signal from color-bar generator. 2. Press the RESET button. 3. Connect oscilloscope to TP501 on SIGNAL board. 4. Adjust the CONTRAST control to the minimum. 5. Call up the adjustment mode display, then select the item TNTC. 6. Adjust the SUB-TINT by pressing the VOLUME ▲ or ▼ button to obtain a blue bar to magenta bar ratio of 3:2 as shown. 7. Press the RESET button. 8. Select the item SCOL. 9. Adjust the SUB-COLOR by pressing the VOLUME ▲ or ▼ button to achieve 1.6V_{0-P} of a blue bar on scope. 10. Check the picture with off-air signal. <div style="text-align: center;">  </div>
WIDTH (WID)	<ol style="list-style-type: none"> 1. Call up the adjustment mode display, then select the item WID. 2. Press the VOLUME ▲ or ▼ button to get the picture so the left and right edges of raster begins to lack. 3. Press the VOLUME ▲ or ▼ button to advance the data by 7 steps. <p>Note : Check the horizontal picture position is correct.</p>

ITEM	ADJUSTMENT PROCEDURE
<p>E-W PARABOLA (DPC) (PARA)</p>	<ol style="list-style-type: none"> 1. Call up the adjustment mode display, then select the item PARA. 2. Press the TV/VIDEO button on Remote until the cross-hatch pattern appears on the screen. 3. Press the VOLUME ▲ or ▼ button to make vertical lines straight as shown below. 
<p>HORIZONTAL POSITION (HPOS) VERTICAL POSITION (VPOS)</p>	<ol style="list-style-type: none"> 1. Call up the adjustment mode display, then select the item HPOS or VPOS. 2. Press the TV/VIDEO button on Remote until the white cross-bar or black cross-bar pattern appears on the screen. 3. Adjust the HORIZONTAL and VERTICAL position alternately by pressing the VOLUME ▲ or ▼ button for proper picture position. 4. Check the picture with off-air signal. 
<p>HEIGHT (HIT)</p>	<ol style="list-style-type: none"> 1. Call up the adjustment mode display, then select the item HIT. 2. Press the VOLUME ▲ or ▼ button to get the picture so the top of raster begins to lack. 3. Press the VOLUME ▲ button to advance the data by 9 steps. <p>Note : Check the vertical picture position is correct.</p>
<p>WHITE BALANCE (RCUT) (GCUT) (BCUT) (GDRV) (BDRV)</p>	<ol style="list-style-type: none"> 1. Adjust the CONTRAST control to the center, and BRIGHTNESS control to the maximum. 2. Call up the adjustment mode display, and press the TV/VIDEO button on Remote until the white and black pattern appears on the screen. 3. Adjust the following items with the CHANNEL ▲/▼ and VOLUME ▲/▼ buttons. <ul style="list-style-type: none"> Item : RCUT → Data : 40H Item : GCUT → Data : 40H Item : BCUT → Data : 40H Item : GDRV → Data : 40H Item : BDRV → Data : 40H 4. Press the TV/VIDEO button on TV to display a single horizontal line on the screen. 5. Turn the SCREEN control (FBT) fully counterclockwise and gradually rotate clockwise until the first horizontal line appears slightly on the screen. 6. Press the TV/VIDEO button to display the normal picture. 7. Adjust the remaining two "?CUT" items (CHANNEL ▲/▼ → TV/VIDEO → VOLUME ▲/▼ in order) to obtain the slightly lighted horizontal line in the same levels of three (red, green, blue) colors. The line should be white if the adjustments are proper.  <p>Bright area Adjust "GDRV" or "BDRV" to be white.</p> <p>Dark area Fine adjust "RCUT", "GCUT" or "BCUT" to be black.</p>

CIRCUIT CHECKS

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 12)

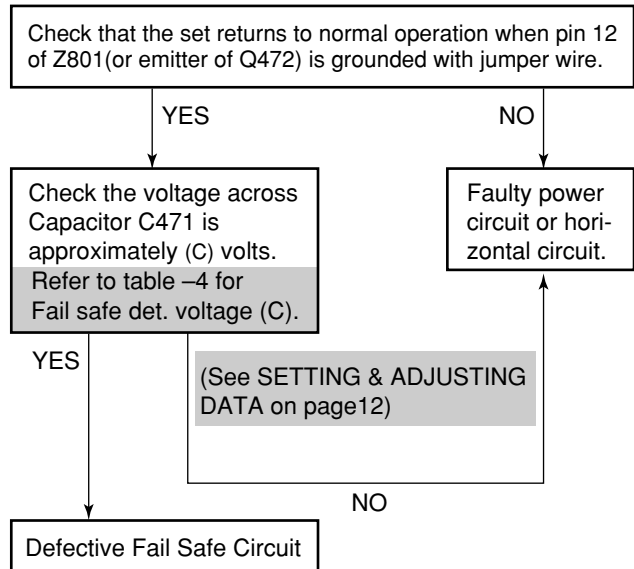
4. Vary the BRIGHTNESS control to both extremes to be sure the high voltage does not exceed the limit under any conditions.

FS CIRCUIT CHECK

The Fail Safe (FS) circuit check is indispensable for the final check in servicing. Checking should be done following the steps below.

1. Turn the receiver on and press the RESET button.
2. Temporarily short TP-(R) and TP-(X) with a jumper wire. Raster and sound will disappear.
3. The receiver must remain in this state even after removing the jumper wire. This is the evidence that the FS circuit is functioning properly.
4. To obtain a picture again, temporarily turn the receiver off and allow the FS circuit more than 5 seconds to reset. Then turn the power switch on to produce a normal picture.

Troubleshooting Guide for Fail Safe Circuit



CHAPTER 2 SPECIFIC INFORMATIONS

SETTING & ADJUSTING DATA

【 SAFETY INSTRUCTIONS 】

		32", 36"
HIGH VOLTAGE AT ZERO BEAM:	(A)	32.7 kV
MAX HIGH VOLTAGE:	(B)	34.1 kV

Table-1

【 SERVICE MODE 】

ADJUSTING ITEMS AND DATAS IN THE SERVICE MODE:

Item	Name of adjustment	Preset	Data	Item	Name of adjustment	Preset	Data
RCUT	R CUT OFF (Basis)	40H	←	VPS	V CENTERRING	40H	←
GCUT	G CUT OFF (Basis)	40H	←	VCP	V COMPENSATION	03H	←
BCUT	B CUT OFF (Basis)	40H	←	WID	PICTURE WIDTH	4AH	←
GDRV	G DRIVE (Basis,1,4,7,10)	40H	←	PARA	EW PARABOLA	22H	←
BDRV	B DRIVE (Basis,1,4,7,10)	40H	←	CNR	EW M CORRECTION	13H	←
BRTC	BRIGHT CENTER (1-12)	80H	←	TRAP	TRAPEZIUM	3AH	←
TNTC	TINT CENTER (1,2,3)	46H	←	HCP	H COMPENSATION	01H	←
SCNT	SUB-CONTRAST (1,2,3)	15H	←	VFC	V <i>f</i> CORRECTION	0FH	←
HIT	PICTURE HIT	57H	←	HPS	H_POSITION [A]	46H	←
LIN	V LINEARITY	13H	←	HPS	H_POSITION [B]	43H	←
VSC	V S CORRECTION	3AH	←	CPAR	CENT PAR	08H	←

Table-2

OPTION: (PROGRESSIVE 4:3 DV)

MODELS	OPT1	OPT2
	HEX	HEX
32", 36"	03H	24H

Table-3

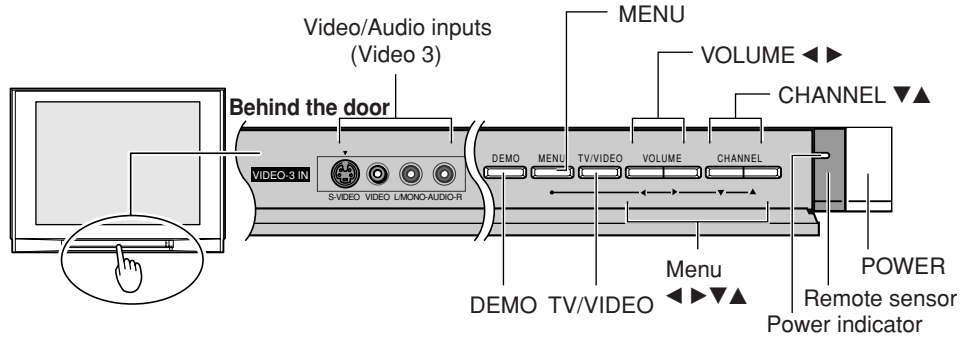
【 CIRCUIT CHECKS 】

FAIL SAFE DET. VOLTAGE	(C)	20.44 V
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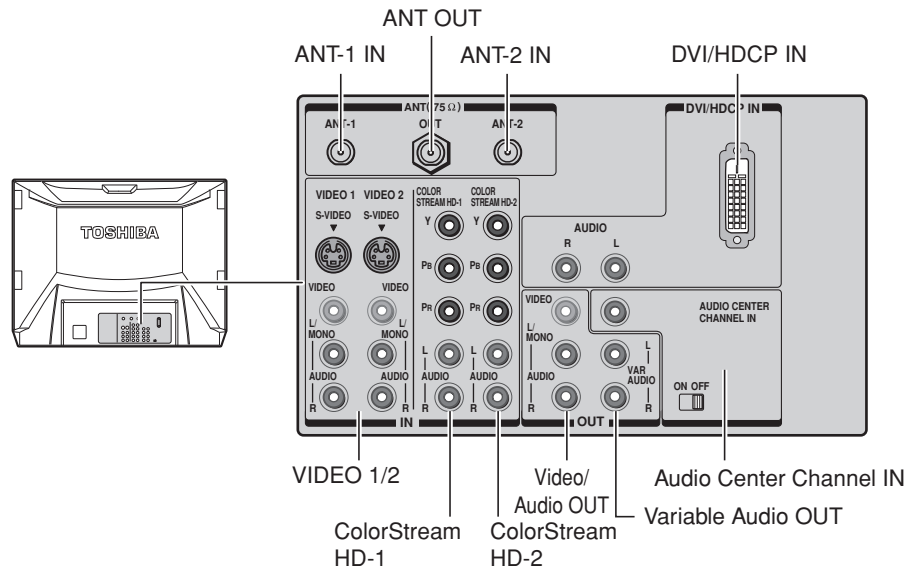
Table-4

LOCATION OF CONTROLS (Representatives: 36HFX73)

TV Front



TV Rear



Remote Control

POWER turns the TV on and off

SLEEP allows access to the automatic TV shut-off function

LIGHT The first press of the LIGHT button lights the keypad and turns on the Illumination mode. With the Illumination mode on, pressing any other key lights the keypad for 5 seconds (10 seconds if you're in programming mode).
Subsequent presses of the LIGHT button toggle between turning the Illumination mode on and off.

Channel Numbers (0-9, 100) allow direct access to channels

MODE cycles through the six device modes: TV, CABLE/SAT, VCR, DVD, AUDIO1, and AUDIO2. The mode indicator light will remain lit for a few seconds.

PIC SIZE cycles through the three pictures sizes: Normal, Compression, and Zoom

FAVORITE allows access to the favorite channel search function

MENU allows access to on-screen programming menus

ENTER sets programming menu information

▲▼◀▶ select or adjust programming menus

FAV ▲▼ cycles through favorite channels

CH ▲▼ cycles through programmed channels

VOL ▲▼ adjusts the volume level

EXIT exits the programming menus

INPUT selects the video input source

MUTE mutes the sound

RECALL displays on-screen information

CH RTN returns to the last viewed channels

POP CH ▲▼ selects the POP (picture-out-picture) channel

SPLIT turns the POP feature on and off

CH SCAN allows access to the programmed channel search function

FREEZE freezes the POP picture

SWAP switches the main and POP pictures

POP DIRECT CH allows direct access to POP channels

SOURCE selects the POP picture source



Note:

The error message "Not Available" will appear if you press a key for a function that is not available.

PROGRAMMING CHANNEL MEMORY

When you press Channel ▲ or ▼ , your TV will stop only on the channels stored in the TV's channel memory. Follow the steps below and on the next page to program all active channels into the TV's memory.

Programming channels automatically

Your TV can automatically detect all active channels in your area and store them in its memory. After the channels are stored automatically, you can manually add or erase individual channels (see "Adding and Erasing Channels Manually," below).

To program channels automatically:

- 1** Press MENU, and then press ◀ or ▶ until the SET UP menu appears.
- 2** Press ▲ or ▼ until the TV/CABLE is highlighted.
- 3** Press ◀ or ▶ to highlight either TV or CABLE, depending on which you use. If you use an antenna, highlight TV; if you use cable, highlight CABLE.
- 4** Press ▼ to select CH PROGRAM.
- 5** Press ◀ or ▶ to start channel programming. The TV will automatically cycle through all the TV or Cable channels (depending on which you selected), and store all active channels in the channel memory.
While the TV is cycling through the channels, the message "Programming Now—Please Wait" appears.
- 6** When channel programming is complete, the message "Completed" appears.
- 7** Press Channel ▲ or ▼ to view the programmed channels.

Note: To tune the TV to a channel not programmed in the channel memory, you must use the Channel Number buttons on the remote control.

Adding and Erasing Channels Manually

After you have programmed the channels automatically, you can manually add or erase specific channels.

To add or erase channels:

- 1** Select the channel you want to add or erase. If you are adding a channel, you must select the channel using the Channel Number buttons.
- 2** Press MENU, and then press ◀ or ▶ until the SET UP menu appears.
- 3** Press ▲ or ▼ to highlight ADD/ERASE.
- 4** Press ◀ or ▶ to select ADD or ERASE, depending on the function you want to perform.
- 5** Repeat steps 1-4 for other channels you want to add or erase.

CHASSIS AND CABINET REPLACEMENT PARTS LIST

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

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

NOTICE:

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

Model : 32HFX73, 36HFX73

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.)

SPECIFIC INFORMATIONS

Location No.	Parts No.	Description
CAPACITORS		
C101	24796339	ELECTROLYTIC CE04G 35V 3.3UF M
C102	24665221	ELECTROLYTIC, 10V 220UF M 3A
C103	24100102	CERAMIC CHIP, 50V F 1000PF Z
C105	24100102	CERAMIC CHIP, 50V F 1000PF Z
C106	24669479	ELECTROLYTIC, 50V 4.7UF M 3A
C107	24666221	ELECTROLYTIC, 16V 220UF M 3A
C112	24665221	ELECTROLYTIC, 10V 220UF M 3A
C115	24100102	CERAMIC CHIP, 50V F 1000PF Z
C117	24666221	ELECTROLYTIC, 16V 220UF M 3A
C118	24665221	ELECTROLYTIC, 10V 220UF M 3A
C201	24109103	CERAMIC CHIP, 50V B 0.01UF K
C201	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C202	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C203	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C204	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C205	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C205	24766229	ELECTROLYTIC, 50V 2.2UF M
C206	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C206	24794220	ELECTROLYTIC, 16V 22UF M
C207	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C208	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C209	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C210	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C211	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C212	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C213	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C214	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C215	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C216	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C217	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C218	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C219	24109103	CERAMIC CHIP, 50V B 0.01UF K
C220	24206479	ELECTROLYTIC, 50V 4.7UF M 7L 3A
C221	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C222	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C223	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C224	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C225	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A

Location No.	Parts No.	Description
C226	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C227	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C228	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C229	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C230	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C231	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C232	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C233	24109103	CERAMIC CHIP, 50V B 0.01UF K
C236	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C237	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C238	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C239	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C240	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C241	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C242	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C243	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C244	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C245	24105560	CERAMIC CHIP, 50V CH 56PF J
C246	24105150	CERAMIC CHIP, 50V CH 15PF J
C247	24105270	CERAMIC CHIP, 50V CH 27PF J
C248	24105101	CERAMIC CHIP, 50V CH 100PF J
C249	24105820	CERAMIC CHIP, 50V CH 82PF J
C250	24105560	CERAMIC CHIP, 50V CH 56PF J
C251	24105150	CERAMIC CHIP, 50V CH 15PF J
C252	24105270	CERAMIC CHIP, 50V CH 27PF J
C253	24105101	CERAMIC CHIP, 50V CH 100PF J
C254	24105820	CERAMIC CHIP, 50V CH 82PF J
C255	24105560	CERAMIC CHIP, 50V CH 56PF J
C256	24105150	CERAMIC CHIP, 50V CH 15PF J
C257	24105270	CERAMIC CHIP, 50V CH 27PF J
C258	24105101	CERAMIC CHIP, 50V CH 100PF J
C259	24105820	CERAMIC CHIP, 50V CH 82PF J
C260	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C261	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
C262	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C263	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C264	24105100	CERAMIC CHIP, 50V CH 10PF D
C265	24105100	CERAMIC CHIP, 50V CH 10PF D
C266	24105100	CERAMIC CHIP, 50V CH 10PF D

Location No.	Parts No.	Description
C267	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C268	24105101	CERAMIC CHIP, 50V CH 100PF J
C269	24105101	CERAMIC CHIP, 50V CH 100PF J
C272	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C273	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C308	24797221	ELECTROLYTIC, 50V 220UF M
C310	24667102	ELECTROLYTIC, 25V 1000UF M 3A
C313	24082057	PLASTIC FILM, 100V 0.22UF J
C316	24795471	ELECTROLYTIC, 25V 470UF M
C320	24795471	ELECTROLYTIC, 25V 470UF M
C322	24539105	PLASTIC FILM, 50V 1UF J
C323	24539105	PLASTIC FILM, 50V 1UF J
C325	24591203	PLASTIC FILM, 50V 0.02UF J
C326	24669010	ELECTROLYTIC, 50V 1UF M 3A
C327	24073041	ELECTROLYTIC, 16V 470UF M 3A
C333	24109332	CERAMIC CHIP, 50V B 3300PF K
C362	24591682	PLASTIC FILM, 50V 6800PF J
C366	24693103	PLASTIC FILM CQ921 M 100V 0.01MF J
C370	24666100	ELECTROLYTIC, 10V 10UF M 3A
C391	24794100	ELECTROLYTIC, 16V 10UF M
C392	24794100	ELECTROLYTIC, 16V 10UF M
C393	24666470	ELECTROLYTIC, 16V 47UF M 3A
C396	24503065	PLASTIC FILM, 1800VH 1800PF H
C398	24590103	PLASTIC FILM, 50V 0.01UF J
C399	24666470	ELECTROLYTIC, 16V 47UF M 3A
C402	24092463	CERAMIC CHIP, 16V B 0.22UF K
C404	24669229	ELECTROLYTIC, 50V 2.2UF M 3A
C406	24109223	CERAMIC CHIP, 25V B 0.022UF K
C410	24109221	CERAMIC CHIP, 50V B 220PF K
C413	24214392	CERAMIC DISC, 500V B 3900PF K
C416	24676330	ELECTROLYTIC, 100V 33UF M 3A
C417	24214391	CERAMIC DISC, 500V B 390PF K
C418	24667221	ELECTROLYTIC, 25V 220UF M 3A
C424	24763101	ELECTROLYTIC, 16V 100UF M
C425	24763101	ELECTROLYTIC, 16V 100UF M
△ C428	24503284	PLASTIC FILM CF92 T 400V R22UF J
C432	24763101	ELECTROLYTIC, 16V 100UF M
C439	24829563	PLASTIC FILM, 400V 0.056UF J
△ C442	24503280	PLASTIC FILM CF92 T 400V R24UF J
△ C443	24503200	PLASTIC FILM CF92 T 1800VH 8200PF
△ C444	24503196	PLASTIC FILM CF92 T 1800VH 5600PF H
C445	24095804	PLASTIC FILM, 400V 0.056UF J
C446	24073120	ELECTROLYTIC, 250V 33UF, 250YXF33M
C448	24073118	ELECTROLYTIC, 160V 33UF M
C449	24667102	ELECTROLYTIC, 25V 1000UF M 3A
C450	24092341	CERAMIC DISC, 2KV R 470PF K
C451	24092341	CERAMIC DISC, 2KV R 470PF K
C452	24820103	PLASTIC FILM, 630V 0.01UF J
△ C461	24820183	PLASTIC FILM, 630V 0.018UF J
C464	24503149	PLASTIC FILM, 250V 3.3UF
C465	24591183	PLASTIC FILM, 50V 0.018UF J
C466	24679220	ELECTROLYTIC, 250V 22UF M 3A
△ C467	24820123	PLASTIC FILM, 630V 0.012UF J
C468	24591823	PLASTIC FILM, 50V 0.082UF J
C469	24591821	PLASTIC FILM, 50V 820PF J
C470	24766220	ELECTROLYTIC, 50V 22UF M
C471	24766479	ELECTROLYTIC, 50V 4.7UF M
C472	24539474	PLASTIC FILM, 50V 0.47UF J
C476	24214471	CERAMIC DISC, 500V B 470PF K
C477	24666220	ELECTROLYTIC, 16V 22UF M 3A
C482	24109122	CERAMIC CHIP, 50V B 1200PF K
C488	24666100	ELECTROLYTIC, 10V 10UF M 3A
C502	24092730	CERAMIC CHIP, 16V B 0.1UF K
C503	24666471	ELECTROLYTIC, 16V 470UF M 3A
C508	24092730	CERAMIC CHIP, 16V B 0.1UF K

Location No.	Parts No.	Description
C509	24666101	ELECTROLYTIC, 16V 100UF M 3A
C513	24109103	CERAMIC CHIP, 50V B 0.01UF K
C515	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C520	24567334	PLASTIC FILM, 50V 0.33UF J
C524	24109103	CERAMIC CHIP, 50V B 0.01UF K
C525	24109103	CERAMIC CHIP, 50V B 0.01UF K
C526	24109103	CERAMIC CHIP, 50V B 0.01UF K
C527	24109103	CERAMIC CHIP, 50V B 0.01UF K
C528	24109103	CERAMIC CHIP, 50V B 0.01UF K
C529	24109103	CERAMIC CHIP, 50V B 0.01UF K
C533	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C534	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C535	24109103	CERAMIC CHIP, 50V B 0.01UF K
C536	24109103	CERAMIC CHIP, 50V B 0.01UF K
C537	24109103	CERAMIC CHIP, 50V B 0.01UF K
C538	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C540	24092538	CERAMIC CHIP, 10V F 1UF Z
C541	24092538	CERAMIC CHIP, 10V F 1UF Z
C542	24092538	CERAMIC CHIP, 10V F 1UF Z
C547	24109103	CERAMIC CHIP, 50V B 0.01UF K
C563	24797010	ELECTROLYTIC, 50V 1UF M
C564	24797229	ELECTROLYTIC, 50V 2.2UF M
C568	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C571	24109103	CERAMIC CHIP, 50V B 0.01UF K
C582	24761102	ELECTROLYTIC, 6.3V 1000UF M
C583	24761102	ELECTROLYTIC, 6.3V 1000UF M
C584	24797010	ELECTROLYTIC, 50V 1UF M
C585	24109103	CERAMIC CHIP, 50V B 0.01UF K
C586	24761102	ELECTROLYTIC, 6.3V 1000UF M
C601	24109273	CERAMIC CHIP, 25V B 0.027UF K
C602	24109273	CERAMIC CHIP, 25V B 0.027UF K
C612	24073068	ELECTROLYTIC, 35V 100UF M 3A
C613	24109103	CERAMIC CHIP, 50V B 0.01UF K
C617	24073034	ELECTROLYTIC, 16V 10UF M 3A
C661	24109561	CERAMIC CHIP, 50V B 560PF K
C662	24109561	CERAMIC CHIP, 50V B 560PF K
C664	24073035	ELECTROLYTIC, 16V 22UF M 3A
C665	24794100	ELECTROLYTIC, 16V 10UF M
C671	24669100	ELECTROLYTIC, 50V 10UF M 3A
C672	24073084	ELECTROLYTIC, 50V 4.7UF M 3A
C673	24073086	ELECTROLYTIC, 50V 10UF M 3A
C674	24590561	PLASTIC FILM CQ922M 50V 560PF J
C675	24590561	PLASTIC FILM CQ922M 50V 560PF J
C676	24503041	PLASTIC FILM , 63V 0.1UF J
C677	24503041	PLASTIC FILM , 63V 0.1UF J
C678	24073086	ELECTROLYTIC, 50V 10UF M 3A
C679	24073052	ELECTROLYTIC, 25V 47UF M 3A
C680	24109333	CERAMIC CHIP CK73B, 25V 33000PFK
C681	24073071	ELECTROLYTIC, 35V 470UF M 3A
C682	24073072	ELECTROLYTIC, 35V 1000UF M 3A
C683	24073071	ELECTROLYTIC, 35V 470UF M 3A
C684	24668102	ELECTROLYTIC, 35V 1000UF M 3A
C686	24503041	PLASTIC FILM , 63V 0.1UF J
C704	24591822	PLASTIC FILM, 50V 8200PF J
C705	24232103	CERAMIC DISC, 50V F 0.01UF Z
C707	24794470	ELECTROLYTIC, 16V 47UF M
C712	24666470	ELECTROLYTIC, 16V 47UF M 3A
C713	24709100	ELECTROLYTIC, 200V 10UF M
C714	24436101	CERAMIC DISC, 50V SL 100PF J
C715	24214472	CERAMIC DISC, 500V B 4700PF K
C716	24436101	CERAMIC DISC, 50V SL 100PF J
C717	24214472	CERAMIC DISC, 500V B 4700PF K
C718	24766470	ELECTROLYTIC, 50V 47UF M
C719	24435560	CERAMIC DISC, 500V SL 56PF J
C720	24709100	ELECTROLYTIC, 200V 10UF M

Location No.	Parts No.	Description
C721	24797470	ELECTROLYTIC, 50V 47UF M
C726	24212102	CERAMIC DISC, 50V B 1000PF K
C801	24203101	ELECTROLYTIC, 16V 100UF M 7L 3A
△ C801	24503002	PLASTIC FILM, AC275V 0.22UF M
△ C802	24503001	PLASTIC FILM, AC275V 0.1UF M
C802	24203100	ELECTROLYTIC, 16V 10UF M 7L 3A
C803	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C804	24617033	ELECTROLYTIC 04CH 25V 4.7UF M
C805	24092623	CERAMIC DISC, 250V F 0.01UF Z
C805	24203100	ELECTROLYTIC, 16V 10UF M 7L 3A
C806	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C806	24092623	CERAMIC DISC, 250V F 0.01UF Z
C807	24214103	CERAMIC DISC, 500V B 0.01UF K
C808	24214103	CERAMIC DISC, 500V B 0.01UF K
C810	24086933	ELECTROLYTIC, 200V 1000UF 30F
△ C811	24092583	CERAMIC DISC, AC250V E 2200PF M
△ C812	24092583	CERAMIC DISC, AC250V E 2200PF M
△ C815	24092591	CERAMIC DISC, AC250V B 470PF K
C817	24590102	PLASTIC FILM, 50V 1000PF J
C818	24539104	PLASTIC FILM, 50V 0.1UF J
C821	24794102	ELECTROLYTIC, 16V 1000UF M
C828	24503047	PLASTIC FILM, 63V 0.33UF J
C829	24794101	ELECTROLYTIC, 16V 100UF M
C830	24503047	PLASTIC FILM, 63V 0.33UF J
C831	24795470	ELECTROLYTIC, 25V 47UF M
C832	24794101	ELECTROLYTIC, 16V 100UF M
C833	24794101	ELECTROLYTIC, 16V 100UF M
C833	24503041	PLASTIC FILM, 63V 0.1UF J
C834	24503041	PLASTIC FILM, 63V 0.1UF J
C835	24214331	CERAMIC DISC, 500V B 330PF K
C835	24795470	ELECTROLYTIC, 25V 47UF M
C837	24503041	PLASTIC FILM, 63V 0.1UF J
C838	24617040	ELECTROLYTIC, 25V 1000UF M 3D
C839	24503047	PLASTIC FILM, 63V 0.33UF J
C840	24679220	ELECTROLYTIC, 250V 22UF M 3A
C841	24073043	ELECTROLYTIC, 16V 2200UF M 3A
C842	24503041	PLASTIC FILM, 63V 0.1UF J
C843	24092469	CERAMIC DISC, 2KV B 100PF K
C844	24793221	ELECTROLYTIC, 10V 220UF M
C845	24073082	ELECTROLYTIC, 50V 2.2UF M 3A
C847	24795470	ELECTROLYTIC, 25V 47UF M
C848	24796222	ELECTROLYTIC, 35V 2200UF M
C849	24794222	ELECTROLYTIC, 16V 2200UF M
C860	24214103	CERAMIC DISC, 500V B 0.01UF K
C862	24435221	CERAMIC DISC, 500V SL 220PF J
C863	24503041	PLASTIC FILM, 63V 0.1UF J
C864	24092347	CERAMIC DISC, 2KV R 1500PF K
C865	24092347	CERAMIC DISC, 2KV R 1500PF K
C866	24669010	ELECTROLYTIC, 50V 1UF M 3A
C867	24591682	PLASTIC FILM, 50V 6800PF J
C868	24668470	ELECTROLYTIC, 35V 47UF M 3A
C869	24678229	ELECTROLYTIC, 200V 2.2UF M 3A
C870	24503208	PLASTIC FILM, 400V 0.24UF J
C871	24092347	CERAMIC DISC, 2KV R 1500PF K
C873	24503045	PLASTIC FILM, 63V 0.22UF J
C874	24435221	CERAMIC DISC, 500V SL 220PF J
C876	24503041	PLASTIC FILM, 63V 0.1UF J
C877	24092347	CERAMIC DISC, 2KV R 1500PF K
C879	24212101	CERAMIC DISC, 50V B 100PF K
C881	24214471	CERAMIC DISC, 500V B 470PF K
C882	24214471	CERAMIC DISC, 500V B 470PF K
C884	24640018	ELECTROLYTIC, 160V 220UF
C885	24214471	CERAMIC DISC, 500V B 470PF K
C886	24214471	CERAMIC DISC, 500V B 470PF K
C889	24796332	ELECTROLYTIC, 35V 3300UF M

Location No.	Parts No.	Description
C891	24082227	PLASTIC FILM, 250V 0.068UF K
C893	24092333	CERAMIC DISC, 2KV 100PF K
C894	24092333	CERAMIC DISC, 2KV 100PF K
C895	24794222	ELECTROLYTIC, 16V 2200UF M
C896	24214471	CERAMIC DISC, 500V B 470PF K
C897	24796102	ELECTROLYTIC, 35V 1000UF M
C898	24503047	PLASTIC FILM, 63V 0.33UF J
C899	24214471	CERAMIC DISC, 500V B 470PF K
C902	24092349	CERAMIC DISC, 2KV R 2200PF K
C903	24436221	CERAMIC DISC, 50V SL 220PF J
C905	24436221	CERAMIC DISC, 50V SL 220PF J
C907	24436221	CERAMIC DISC, 50V SL 220PF J
C909	24679330	ELECTROLYTIC, 250V 33UF M 3A
C910	24669478	ELECTROLYTIC, 50V 0.47UF M 3A
C911	24203100	ELECTROLYTIC, 16V 10UF M 7L 3A
C912	24073042	ELECTROLYTIC, 16V 1000UF M 3A
C913	24763102	ELECTROLYTIC, 16V 1000UF M
C914	24092398	CERAMIC DISC, 25V 0.1UF Z, 24092398A NI TOOITSU
C918	24092398	CERAMIC DISC, 25V 0.1UF Z, 24092398A NI TOOITSU
C919	24092398	CERAMIC DISC, 25V 0.1UF Z, 24092398A NI TOOITSU
C931	24214101	CERAMIC DISC, 500V B 100PF K
C963	24436331	CERAMIC DISC, 50V SL 330PF J
C964	24436331	CERAMIC DISC, 50V SL 330PF J
C965	24436331	CERAMIC DISC, 50V SL 330PF J
C970	24214102	CERAMIC DISC, 50V B 1000PF K
C2020	24109103	CERAMIC CHIP, 50V B 0.01UF K
C2102	24108100	CERAMIC CHIP, 50V SL 10PF D
C2103	24108100	CERAMIC CHIP, 50V SL 10PF D
C2104	24108100	CERAMIC CHIP, 50V SL 10PF D
C2110	24109103	CERAMIC CHIP, 50V B 0.01UF K
C2112	24109103	CERAMIC CHIP, 50V B 0.01UF K
C2113	24092731	CERAMIC CHIP, 16V B 1UF K
C3100	24667102	ELECTROLYTIC, 25V 1000UF M 3A
C3103	24105330	CERAMIC CHIP, 50V CH 33PF J
C3110	24092730	CERAMIC CHIP, 16V B 0.1UF K
C3150	24669229	ELECTROLYTIC, 50V 2.2UF M 3A
C4010	24109331	CERAMIC CHIP, 50V B 330PF K
C4401	24073039	ELECTROLYTIC, 16V 220UF M 3A
C4402	24109103	CERAMIC CHIP, 50V B 0.01UF K
C4403	24766010	ELECTROLYTIC, 50V 1UF M
C4404	24109103	CERAMIC CHIP, 50V B 0.01UF K
C4405	24100104	CERAMIC CHIP, 25V F 0.1UF Z
C4406	24109103	CERAMIC CHIP, 50V B 0.01UF K
C4407	24763221	ELECTROLYTIC, 16V 220UF M
C4410	24109122	CERAMIC CHIP, 50V B 1200PF K
C4420	24109103	CERAMIC CHIP, 50V B 0.01UF K
C4427	24092538	CERAMIC CHIP, 10V F 1UF Z
C4460	24085007	ELEC. NONPOLAR CE04R 35V 4.7UF M NP 3A
C4461	24539224	PLASTIC FILM, 50V 0.22UF J
C4690	24109103	CERAMIC CHIP, 50V B 0.01UF K
C4691	24109822	CERAMIC CHIP, 50V B 8200PF K
C4693	24591473	PLASTIC FILM, 50V 0.047UF J
C4699	24668222	ELECTROLYTIC, 35V 2200UF M 3A
C4811	24567474	PLASTIC FILM, 50V 0.47UF J
C4816	24669010	ELECTROLYTIC, 50V 1UF M 3A
C4819	24567684	PLASTIC FILM, 50V 0.68UF J
C5020	24109103	CERAMIC CHIP, 50V B 0.01UF K
C5030	24763101	ELECTROLYTIC, 16V 100UF M
C5080	24797010	ELECTROLYTIC, 50V 1UF M
C5090	24763101	ELECTROLYTIC, 16V 100UF M
CA04	24109103	CERAMIC CHIP, 50V B 0.01UF K
CA05	24109103	CERAMIC CHIP, 50V B 0.01UF K

Location No.	Parts No.	Description
CA06	24109392	CERAMIC CHIP, 50V B 3900PF K
CA07	24109392	CERAMIC CHIP, 50V B 3900PF K
CA09	24109103	CERAMIC CHIP, 50V B 0.01UF K
CA15	24109103	CERAMIC CHIP, 50V B 0.01UF K
CA22	24109103	CERAMIC CHIP, 50V B 0.01UF K
CA23	24105101	CERAMIC CHIP, 50V CH 100PF J
CA25	24100103	CERAMIC CHIP, 50V F 0.01UF Z
CA27	24092538	CERAMIC CHIP, 10V F 1UF Z
CA28	24085970	ELECTROLYTIC, NONPOLAR, 16V 10UF M 7L
CA30	24085970	ELECTROLYTIC, NONPOLAR, 16V 10UF M 7L
CA31	24092538	CERAMIC CHIP, 10V F 1UF Z
CA33	24100103	CERAMIC CHIP, 50V F 0.01UF Z
CA34	24092538	CERAMIC CHIP, 10V F 1UF Z
CA37	24105101	CERAMIC CHIP, 50V CH 100PF J
CA38	24105101	CERAMIC CHIP, 50V CH 100PF J
CA39	24105101	CERAMIC CHIP, 50V CH 100PF J
CA42	24109392	CERAMIC CHIP, 50V B 3900PF K
CA45	24105471	CERAMIC CHIP, 50V CH 470PF J
CA46	24105471	CERAMIC CHIP, 50V CH 470PF J
CA49	24105101	CERAMIC CHIP, 50V CH 100PF J
CA52	24109103	CERAMIC CHIP, 50V B 0.01UF K
CA54	24092730	CERAMIC CHIP, 16V B 0.1UF K
CA55	24105101	CERAMIC CHIP, 50V CH 100PF J
CA59	24105101	CERAMIC CHIP, 50V CH 100PF J
CA60	24105101	CERAMIC CHIP, 50V CH 100PF J
CA61	24666220	ELECTROLYTIC, 16V 22UF M 3A
CA68	24666100	ELECTROLYTIC, 10V 10UF M 3A
CA69	24109103	CERAMIC CHIP, 50V B 0.01UF K
CA71	24105331	CERAMIC CHIP, 50V CH 330PF J
CA72	24085970	ELECTROLYTIC, NONPOLAR, 16V 10UF M 7L
CA73	24666100	ELECTROLYTIC, 10V 10UF M 3A
CA80	24503041	PLASTIC FILM , 63V 0.1UF J
CA81	24073015	ELECTROLYTIC, 10V 47UF M 3A
CA82	24503049	PLASTIC FILM, 63V 0.47UF J
CA95	24100103	CERAMIC CHIP, 50V F 0.01UF Z
CA251	24073015	ELECTROLYTIC, 10V 47UF M 3A
CA331	24073015	ELECTROLYTIC, 10V 47UF M 3A
CA371	24105820	CERAMIC CHIP, 50V CH 82PF J
CA381	24105820	CERAMIC CHIP, 50V CH 82PF J
CA391	24105820	CERAMIC CHIP, 50V CH 82PF J
CA611	24109103	CERAMIC CHIP, 50V B 0.01UF K
CA701	24092538	CERAMIC CHIP, 10V F 1UF Z
CA705	24666100	ELECTROLYTIC, 10V 10UF M 3A
CB01	24794470	ELECTROLYTIC, 16V 47UF M
CB05	24666100	ELECTROLYTIC, 10V 10UF M 3A
CB13	24085970	ELECTROLYTIC, NONPOLAR, 16V 10UF M 7L
CB14	24105331	CERAMIC CHIP, 50V CH 330PF J
CB15	24794100	ELECTROLYTIC, 16V 10UF M
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
CB62	24105331	CERAMIC CHIP, 50V CH 330PF J
CB90	24109103	CERAMIC CHIP, 50V B 0.01UF K
CB91	24666100	ELECTROLYTIC, 10V 10UF M 3A
CC01	24109102	CERAMIC CHIP, 50V B 1000PF K
CC01	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
CC02	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CC02	24109102	CERAMIC CHIP, 50V B 1000PF K
CC03	24109102	CERAMIC CHIP, 50V B 1000PF K
CC03	24203100	ELECTORLYTIC, 16V 10UF M 7L 3A
CC04	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CC04	24109102	CERAMIC CHIP, 50V B 1000PF K
CC05	24109102	CERAMIC CHIP, 50V B 1000PF K
CC06	24109102	CERAMIC CHIP, 50V B 1000PF K

Location No.	Parts No.	Description
CC07	24109102	CERAMIC CHIP, 50V B 1000PF K
CC08	24109102	CERAMIC CHIP, 50V B 1000PF K
CC11	24109102	CERAMIC CHIP, 50V B 1000PF K
CC12	24109102	CERAMIC CHIP, 50V B 1000PF K
CC15	24109102	CERAMIC CHIP, 50V B 1000PF K
CC16	24109102	CERAMIC CHIP, 50V B 1000PF K
CI01	24109103	CERAMIC CHIP, 50V B 0.01UF K
CI02	24109103	CERAMIC CHIP, 50V B 0.01UF K
CI03	24109103	CERAMIC CHIP, 50V B 0.01UF K
CI04	24109103	CERAMIC CHIP, 50V B 0.01UF K
CI05	24109103	CERAMIC CHIP, 50V B 0.01UF K
CI07	24109103	CERAMIC CHIP, 50V B 0.01UF K
CI08	24797010	ELECTROLYTIC, 50V 1UF M
CI09	24105470	CERAMIC CHIP, 50V CH 47PF J
CI10	24105180	CERAMIC CHIP, 50V CH 18PF J
CI11	24105270	CERAMIC CHIP, 50V CH 27PF J
CI12	24797478	ELECTROLYTIC, 50V 0.47UF M
CI13	24109102	CERAMIC CHIP, 50V B 1000PF K
CI14	24105470	CERAMIC CHIP, 50V CH 47PF J
CI15	24105390	CERAMIC CHIP, 50V CH 39PF J
CI16	24109103	CERAMIC CHIP, 50V B 0.01UF K
CI17	24092726	CERAMIC CHIP CK733B, 16V 2,200,000PFK
CI18	24105181	CERAMIC CHIP, 50V CH 180PF J
CI21	24109103	CERAMIC CHIP, 50V B 0.01UF K
CI23	24109103	CERAMIC CHIP, 50V B 0.01UF K
CI25	24105240	CERAMIC CHIP, 50V CH 24PF J
CI51	24797220	ELECTROLYTIC, 50V 22UF M
CI52	24794101	ELECTROLYTIC, 16V 100UF M
CI53	24797339	ELECTROLYTIO, 50V 3.3UF M
CJ03	24539104	PLASTIC FILM, 50V 0.1UF J
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	24797229	ELECTROLYTIC, 50V 2.2UF M
CS12	24797229	ELECTROLYTIC, 50V 2.2UF M
CS13	24794100	ELECTROLYTIC, 16V 10UF M
CS14	24794100	ELECTROLYTIC, 16V 10UF M
CS15	24797229	ELECTROLYTIC, 50V 2.2UF M
CS16	24797229	ELECTROLYTIC, 50V 2.2UF M
CS19	24797479	ELECTROLYTIC, 50V 4.7UF M
CS20	24797478	ELECTROLYTIC, 50V 0.47UF M
CS21	24797479	ELECTROLYTIC, 50V 4.7UF M
CS22	24797479	ELECTROLYTIC, 50V 4.7UF M
CS24	24797229	ELECTROLYTIC, 50V 2.2UF M
CS25	24794470	ELECTROLYTIC, 16V 47UF M
CS26	24085944	ELECTROLYTIC, NONPOLAR, 50V 2.2UF M 11L
CS27	24085944	ELECTROLYTIC, NONPOLAR, 50V 2.2UF M 11L
CS30	24797229	ELECTROLYTIC, 50V 2.2UF M
CS31	24797229	ELECTROLYTIC, 50V 2.2UF M
CS115	24797010	ELECTROLYTIC, 50V 1UF M
CS116	24797010	ELECTROLYTIC, 50V 1UF M
CS119	24797010	ELECTROLYTIC, 50V 1UF M
CS120	24109103	CERAMIC CHIP, 50V B 0.01UF K
CS121	24797010	ELECTROLYTIC, 50V 1UF M
CS122	24797101	ELECTROLYTIC, 50V 100UF M
CS123	24073089	ELECTROLYTIC, 50V 47UF M 3A

Location No.	Parts No.	Description
CS124	24797229	ELECTROLYTIC, 50V 2.2UF M
CS125	24590102	PLASTIC FILM, 50V 1000PF J
CV01	24092621	CERAMIC CHIP, 10V B 1UF K
CV02	24092621	CERAMIC CHIP, 10V B 1UF K
CV03	24092621	CERAMIC CHIP, 10V B 1UF K
CV04	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV05	24092621	CERAMIC CHIP, 10V B 1UF K
CV06	24092621	CERAMIC CHIP, 10V B 1UF K
CV07	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV08	24794101	ELECTROLYTIC, 16V 100UF M
CV09	24092621	CERAMIC CHIP, 10V B 1UF K
CV10	24232103	CERAMIC DISC, 50V F 0.01UF Z
CV10	24794100	ELECTROLYTIC, 16V 10UF M
CV11	24092621	CERAMIC CHIP, 10V B 1UF K
CV11	24232103	CERAMIC DISC, 50V F 0.01UF Z
CV12	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV13	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV14	24092621	CERAMIC CHIP, 10V B 1UF K
CV15	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV23	24794101	ELECTROLYTIC, 16V 100UF M
CV24	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV38	24109102	CERAMIC CHIP, 50V B 1000PF K
CV39	24109102	CERAMIC CHIP, 50V B 1000PF K
CV40	24794101	ELECTROLYTIC, 16V 100UF M
CV42	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV45	24092621	CERAMIC CHIP, 10V B 1UF K
CV46	24092621	CERAMIC CHIP, 10V B 1UF K
CV47	24092621	CERAMIC CHIP, 10V B 1UF K
CV64	24794471	ELECTROLYTIC, 16V 470UF M
CV65	24794101	ELECTROLYTIC, 16V 100UF M
CV66	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV67	24794100	ELECTROLYTIC, 16V 10UF M
CV68	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CV120	24794100	ELECTROLYTIC, 16V 10UF M
CV238	24109103	CERAMIC CHIP, 50V B 0.01UF K
CV244	24109103	CERAMIC CHIP, 50V B 0.01UF K
CV245	24092441	CERAMIC CHIP, 16V F 1UF Z
CV246	24092441	CERAMIC CHIP, 16V F 1UF Z
CV247	24092441	CERAMIC CHIP, 16V F 1UF Z
CV248	24109103	CERAMIC CHIP, 50V B 0.01UF K
CV249	24092441	CERAMIC CHIP, 16V F 1UF Z
CV250	24092441	CERAMIC CHIP, 16V F 1UF Z
CV251	24092441	CERAMIC CHIP, 16V F 1UF Z
CV252	24109103	CERAMIC CHIP, 50V B 0.01UF K
CV253	24092441	CERAMIC CHIP, 16V F 1UF Z
CV254	24092441	CERAMIC CHIP, 16V F 1UF Z
CV255	24092441	CERAMIC CHIP, 16V F 1UF Z
CV256	24109103	CERAMIC CHIP, 50V B 0.01UF K
CV257	24203100	ELECTROLYTIC, 16V 10UF M 7L 3A
CV258	24666471	ELECTROLYTIC, 16V 470UF M 3A
CV259	24109103	CERAMIC CHIP, 50V B 0.01UF K
CV261	24109103	CERAMIC CHIP, 50V B 0.01UF K
CV263	24109103	CERAMIC CHIP, 50V B 0.01UF K
CY101	24092441	CERAMIC CHIP, 16V F 1UF Z
CY102	24794101	ELECTROLYTIC, 16V 100UF M
CY103	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CY104	24109103	CERAMIC CHIP, 50V B 0.01UF K
CY105	24109103	CERAMIC CHIP, 50V B 0.01UF K
CY106	24109103	CERAMIC CHIP, 50V B 0.01UF K
CY107	24794100	ELECTROLYTIC, 16V 10UF M
CY108	24100104	CERAMIC CHIP, 25V F 0.1UF Z
CY109	24105101	CERAMIC CHIP, 50V CH 100PF J
CY111	24109103	CERAMIC CHIP, 50V B 0.01UF K
CY112	24105181	CERAMIC CHIP, 50V CH 180PF J
CY113	24109103	CERAMIC CHIP, 50V B 0.01UF K

Location No.	Parts No.	Description
CY114	24109103	CERAMIC CHIP, 50V B 0.01UF K
CY115	24105390	CERAMIC CHIP, 50V CH 39PF J
CY116	24105470	CERAMIC CHIP, 50V CH 47PF J
CY117	24105180	CERAMIC CHIP, 50V CH 18PF J
CY501	24109103	CERAMIC CHIP, 50V B 0.01UF K
CY502	24092730	CERAMIC CHIP, 16V B 0.1UF K
CY504	24109222	CERAMIC CHIP, 50V B 2200PF K
CY505	24105120	CERAMIC CHIP, 50V CH 12PF J
CY506	24109103	CERAMIC CHIP, 50V B 0.01UF K
CY508	24092730	CERAMIC CHIP, 16V B 0.1UF K
CY512	24092463	CERAMIC CHIP, 16V B 0.22UF K
CY513	24092730	CERAMIC CHIP, 16V B 0.1UF K
CY514	24092730	CERAMIC CHIP, 16V B 0.1UF K
CY515	24092730	CERAMIC CHIP, 16V B 0.1UF K
CY516	24109103	CERAMIC CHIP, 50V B 0.01UF K
CY517	24092731	CERAMIC CHIP, 16V B 1UF K
CY524	24092730	CERAMIC CHIP, 16V B 0.1UF K
CY525	24092730	CERAMIC CHIP, 16V B 0.1UF K
CY526	24092730	CERAMIC CHIP, 16V B 0.1UF K
CY538	24794222	ELECTROLYTIC, 16V 2200UF M
CY539	24794470	ELECTROLYTIC, 16V 47UF M
CY582	24105101	CERAMIC CHIP, 50V CH 100PF J

RESISTORS		
R101	24553223	OXIDE METAL FILM, 1W 22K OHM J
R150	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R151	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
R152	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R173	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R174	24011273	CHIP, METAL FILM, 1/20W 27K OHM J
R201	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R202	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R203	24872102	CHIP, METAL FILM, 1/16W 1K OHM J
R204	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R205	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
R207	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R208	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
R209	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
R210	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R211	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R212	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R213	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R214	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R215	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R216	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R217	24366103	CARBON FILM, 1/6W 10K OHM J
R217	24011330	CHIP, METAL FILM, 1/20W 33 OHM J
R218	24366333	CARBON FILM, 1/6W 33K OHM J
R218	24011330	CHIP, METAL FILM, 1/20W 33 OHM J
R219	24011330	CHIP, METAL FILM, 1/20W 33 OHM J
R220	24011330	CHIP, METAL FILM, 1/20W 33 OHM J
R221	24011330	CHIP, METAL FILM, 1/20W 33 OHM J
R222	24011330	CHIP, METAL FILM, 1/20W 33 OHM J
R223	24011302	CHIP, METAL FILM, 1/20W 3K OHM J
R224	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
R225	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
R226	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
R227	24366273	CARBON FILM, 1/6W 27K OHM J
R227	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
R228	24366682	CARBON FILM, 1/6W 6.8K OHM J (32HFX73)
R228	24366562	CARBON FILM, 1/6W 5.6K OHM J (36HFX73)
R228	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
R229	24872750	CHIP, METAL FILM, 1/16W 75 OHM J
R230	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R231	24011153	CHIP, METAL FILM, 1/20W 15K OHM J

Location No.	Parts No.	Description
R232	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
R233	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
R234	24019436	CHIP BLOCK, 1/16W P-8 22 OHM J
R235	24019436	CHIP BLOCK, 1/16W P-8 22 OHM J
R236	24019436	CHIP BLOCK, 1/16W P-8 22 OHM J
R237	24019436	CHIP BLOCK, 1/16W P-8 22 OHM J
R238	24019436	CHIP BLOCK, 1/16W P-8 22 OHM J
R239	24019436	CHIP BLOCK, 1/16W P-8 22 OHM J
R240	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R241	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R242	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R243	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R244	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R245	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R245	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R246	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R247	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R248	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R249	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R250	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R251	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R252	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R253	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
R254	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
R255	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R256	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R257	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R258	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R259	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R264	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
R265	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
R266	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
R286	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
R287	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
R288	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
R303	24321109	OXIDE METAL FILM, 1/2W 1 OHM J
R305	24322688	OXIDE METAL FILM, 1W 0.68 OHM J
R309	24383151	OXIDE METAL FILM, 2W 150 OHM J
R315	24011274	CHIP, METAL FILM, 1/20W 270K OHM J
R316	24011823	CHIP, METAL FILM, 1/20W 82K OHM J
R318	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R319	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R320	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R321	24011224	CHIP, METAL FILM, 1/20W 220K OHM J
R322	24011274	CHIP, METAL FILM, 1/20W 270K OHM J
R324	24011394	CHIP, METAL FILM, 1/20W 390K OHM J
R326	24366153	CARBON FILM, 1/6W 15K OHM J
△ R327	24338159	OXIDE METAL FILM, 1W 1.5 OHM J
△ R328	24338159	OXIDE METAL FILM, 1W 1.5 OHM J
R329	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
R331	24872823	CHIP, METAL FILM, 1/16W 82K OHM J
R333	24552103	OXIDE METAL FILM, 1/2W 10K OHM J
R334	24552103	OXIDE METAL FILM, 1/2W 10K OHM J
R338	24366103	CARBON FILM, 1/6W 10K OHM J
R353	24366112	CARBON FILM, 1/6W 1.1K OHM J
R360	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
R361	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
R362	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
R363	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
R365	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
R366	24011911	CHIP, METAL FILM, 1/20W 910 OHM J
R367	24011242	CHIP, METAL FILM, 1/20W 2.4K OHM J
R370	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R371	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R372	24011103	CHIP, METAL FILM, 1/20W 10K OHM J

Location No.	Parts No.	Description
R373	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R374	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R376	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R377	24366220	CARBON FILM, 1/6W 22 OHM J
R379	24382103	OXIDE METAL FILM, 1W 10K OHM J
R380	24946226	CARBON CONPOSITION, 1/2W 22M OHM K
R381	24366822	CARBON FILM, 1/6W 8.2K OHM J
R391	24000445	CHIP JUMPER, 1608TYPE
R392	24552102	OXIDE METAL FILM, 1/2W 1K OHM J
R393	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R394	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R395	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R396	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R397	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R398	24011153	CHIP, METAL FILM, 1/20W 15K OHM J
R401	24011361	CHIP, METAL FILM, 1/20W 360 OHM J
R402	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R403	24011272	CHIP, METAL FILM, 1/20W 2.7K OHM J
R405	24553682	OXIDE METAL FILM, 1W 6.8K OHM J
R409	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R411	24366101	CARBON FILM, 1/6W 100 OHM J
R412	24323228	OXIDE METAL FILM, 2W 0.22 OHM J
R413	24011182	CHIP, METAL FILM, 1/20W 1.8K OHM J
R415	24383271	OXIDE METAL FILM, 2W 270 OHM J
R416	24383180	OXIDE METAL FILM, 2W 18 OHM J
R422	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
R423	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R424	24011272	CHIP, METAL FILM, 1/20W 2.7K OHM J
R425	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R426	24366222	CARBON FILM, 1/6W 2.2K OHM J
R429	24553100	OXIDE METAL FILM, 1W 10 OHM J
R431	24546159	FUSIBLE, 1/2W 1.5 OHM J
R432	24552151	OXIDE METAL FILM, 1/2W 150 OHM J
R435	24327224	METAL FILM, 1/4W 220K OHM F
R441	24383331	OXIDE METAL FILM, 2W 330 OHM J
△ R448	24321338	OXIDE METAL FILM, 1/2W 0.33 OHM J
R460	24366103	CARBON FILM, 1/6W 10K OHM J
R461	24366122	CARBON FILM, 1/6W 1.2K OHM J
R462	24366562	CARBON FILM, 1/6W 5.6K OHM J
R463	24366473	CARBON FILM, 1/6W 47K OHM J
R464	24366221	CARBON FILM, 1/6W 220 OHM J
△ R465	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
R466	24383220	OXIDE METAL FILM, 2W 22 OHM J
R467	24383220	OXIDE METAL FILM, 2W 22 OHM J
△ R468	24000634	METAL FILM, 1/4W 11K OHM F
R469	24366823	CARBON FILM, 1/6W 82K OHM J
△ R470	24339518	OXIDE METAL FILM, 2W 0.51 OHM J
R471	24381271	OXIDE METAL FILM, 1/2W 270 OHM J
R472	24381270	OXIDE METAL FILM, 1/2W 27 OHM J
R473	24000247	METAL FILM, 1/4W 39K OHM F
R474	24872472	CHIP, METAL FILM, 1/16W 4.7K OHM J
R475	24872912	CHIP, METAL FILM, 1/16W 9.1K OHM J
R476	24000221	METAL FILM, 1/4W 20K OHM F
R477	24366102	CARBON FILM, 1/6W 1K OHM J
△ R478	24338109	OXIDE METAL FILM, 1W 1 OHM J
R479	24381131	OXIDE METAL FILM, 1/2W 130 OHM J
R481	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R482	24011182	CHIP, METAL FILM, 1/20W 1.8K OHM J
R483	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
R486	24011622	CHIP, METAL FILM, 1/20W 6.2K OHM J
R487	24011474	CHIP, METAL FILM, 1/20W 470K OHM J
R488	24011154	CHIP, METAL FILM, 1/20W 150K OHM J
R489	24011563	CHIP, METAL FILM, 1/20W 56K OHM J
R494	24366184	CARBON FILM, 1/6W 180K OHM J
R502	24000445	CHIP JUMPER, 1608TYPE

Location No.	Parts No.	Description
R513	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
R514	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R515	24871103	CHIP, METAL FILM, 1/8W 10K OHM J
R520	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R521	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R526	24000445	CHIP JUMPER, 1608TYPE
R547	24011680	CHIP, METAL FILM, 1/20W 68 OHM J
R548	24011680	CHIP, METAL FILM, 1/20W 68 OHM J
R553	24011680	CHIP, METAL FILM, 1/20W 68 OHM J
R560	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R561	24552181	OXIDE METAL FILM, 1/2W 180 OHM J
R562	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R563	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
R564	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R565	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R566	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R567	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R568	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R569	24011224	CHIP, METAL FILM, 1/20W 220K OHM J
R570	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R601	24011822	CHIP, METAL FILM, 1/20W 8.2K OHM J
R602	24011822	CHIP, METAL FILM, 1/20W 8.2K OHM J
R610	24871222	CHIP, METAL FILM, 1/8W 2.2K OHM J
R611	24871222	CHIP, METAL FILM, 1/8W 2.2K OHM J
R612	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R613	24871222	CHIP, METAL FILM, 1/8W 2.2K OHM J
R614	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
R615	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
R616	24011182	CHIP, METAL FILM, 1/20W 1.8K OHM J
R617	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
R660	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R661	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R662	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R663	24011272	CHIP, METAL FILM, 1/20W 2.7K OHM J
R664	24011272	CHIP, METAL FILM, 1/20W 2.7K OHM J
R666	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R667	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R668	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
R669	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
R674	24011823	CHIP, METAL FILM, 1/20W 82K OHM J
R675	24011823	CHIP, METAL FILM, 1/20W 82K OHM J
R676	24366229	CARBON FILM, 1/6W 2.2 OHM J
R677	24366229	CARBON FILM, 1/6W 2.2 OHM J
R680	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
R681	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R682	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
R683	24011333	CHIP, METAL FILM, 1/20W 33K OHM J
R686	24366229	CARBON FILM, 1/6W 2.2 OHM J
R693	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R698	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R699	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
R702	24552221	OXIDE METAL FILM, 1/2W 220 OHM J
R709	24366563	CARBON FILM, 1/6W 56K OHM J
R713	24366393	CARBON FILM, 1/6W 39K OHM J
R715	24366273	CARBON FILM, 1/6W 27K OHM J
R716	24366273	CARBON FILM, 1/6W 27K OHM J
R717	24366333	CARBON FILM, 1/6W 33K OHM J
R718	24366222	CARBON FILM, 1/6W 2.2K OHM J
R719	24366101	CARBON FILM, 1/6W 100 OHM J
R720	24366102	CARBON FILM, 1/6W 1K OHM J
R721	24366101	CARBON FILM, 1/6W 100 OHM J
R722	24552471	OXIDE METAL FILM, 1/2W 470 OHM J
R723	24366101	CARBON FILM, 1/6W 100 OHM J
R724	24366151	CARBON FILM, 1/6W 150 OHM J
R725	24366182	CARBON FILM, 1/6W 1.8K OHM J

Location No.	Parts No.	Description
R730	24552100	OXIDE METAL FILM, 1/2W 10 OHM J
R731	24552331	OXIDE METAL FILM, 1/2W 330 OHM J
R732	24366330	CARBON FILM, 1/6W 33 OHM J
R733	24366683	CARBON FILM, 1/6W 68K OHM J
R734	24366330	CARBON FILM, 1/6W 33 OHM J
R735	24366683	CARBON FILM, 1/6W 68K OHM J
R736	24553470	OXIDE METAL FILM, 1W 47 OHM J
R737	24366681	CARBON FILM, 1/6W 680 OHM J
R738	24366102	CARBON FILM, 1/6W 1K OHM J
R739	24366681	CARBON FILM, 1/6W 680 OHM J
R740	24553470	OXIDE METAL FILM, 1W 47 OHM J
R741	24322229	OXIDE METAL FILM, 1W 2.2 OHM J
R742	24322229	OXIDE METAL FILM, 1W 2.2 OHM J
R743	24554181	OXIDE METAL FILM, 2W 180 OHM J
R744	24366122	CARBON FILM, 1/6W 1.2K OHM J
R745	24366122	CARBON FILM, 1/6W 1.2K OHM J
△ R808	24019493	THERMISTOR, PTC, AC140V 1.5 OHM M
R810	24045007	CEMENT, 20W 1.2 J
R818	24366102	CARBON FILM, 1/6W 1K OHM J
R819	24366103	CARBON FILM, 1/6W 10K OHM J
R832	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
R834	24366102	CARBON FILM, 1/6W 1K OHM J
R835	24366820	CARBON FILM, 1/6W 82 OHM J
R836	24011151	CHIP, METAL FILM, 1/20W 150 OHM J
R837	24011220	CHIP, METAL FILM, 1/20W 22 OHM J
R838	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
R840	24552562	OXIDE METAL FILM, 1/2W 5.6K OHM J
R841	24366102	CARBON FILM, 1/6W 1K OHM J
R842	24376563	CARBON FILM, 1/2W 56K OHM J
R843	24376563	CARBON FILM, 1/2W 56K OHM J
R844	24366103	CARBON FILM, 1/6W 10K OHM J
R844	24323568	OXIDE METAL FILM, 2W 0.56 OHM J
R845	24011182	CHIP, METAL FILM, 1/20W 1.8K OHM J
R846	24011560	CHIP, METAL FILM, 1/20W 56 OHM J
R847	24000445	CHIP JUMPER, 1608TYPE
R848	24011680	CHIP, METAL FILM, 1/20W 68 OHM J
R849	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
R861	24382153	OXIDE METAL FILM, 1W 15K OHM J
R862	24552330	OXIDE METAL FILM, 1/2W 33 OHM J
R864	24552102	OXIDE METAL FILM, 1/2W 1K OHM J
R865	24552121	OXIDE METAL FILM, 1/2W 120 OHM J
R867	24366223	CARBON FILM, 1/6W 22K OHM J
R868	24552560	OXIDE METAL FILM, 1/2W 56 OHM J
R870	24381221	OXIDE METAL FILM, 1/2W 220 OHM J
R871	24553470	OXIDE METAL FILM, 1W 47 OHM J
R872	24382563	OXIDE METAL FILM, 1W 56K OHM J
R883	24553393	OXIDE METAL FILM, 1W 39K OHM J
R884	24366102	CARBON FILM, 1/6W 1K OHM J
R891	24366152	CARBON FILM, 1/6W 1.5K OHM J
△ R899	24010001	CARBON FILM, 1/2W 3.9M OHM J
R901	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
R902	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
R903	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
R904	24366472	CARBON FILM, 1/6W 4.7K OHM J
R905	24366150	CARBON FILM, 1/6W 15 OHM J
R907	24366560	CARBON FILM, 1/6W 56 OHM J
R913	24366560	CARBON FILM, 1/6W 56 OHM J
R914	24366101	CARBON FILM, 1/6W 100 OHM J
R915	24366150	CARBON FILM, 1/6W 15 OHM J
R916	24366330	CARBON FILM, 1/6W 33 OHM J
R917	24366271	CARBON FILM, 1/6W 270 OHM J
R918	24366330	CARBON FILM, 1/6W 33 OHM J
R920	24000884	FUSIBLE, 1W 3 OHM J
R921	24366101	CARBON FILM, 1/6W 100 OHM J
R922	24366150	CARBON FILM, 1/6W 15 OHM J

Location No.	Parts No.	Description
R924	24366330	CARBON FILM, 1/6W 33 OHM J
R925	24366271	CARBON FILM, 1/6W 270 OHM J
R928	24366101	CARBON FILM, 1/6W 100 OHM J
R929	24366150	CARBON FILM, 1/6W 15 OHM J
R930	24366330	CARBON FILM, 1/6W 33 OHM J
R932	24366332	CARBON FILM, 1/6W 3.3K OHM J
R933	24545829	FUSIBLE, 1/4W 8.2 OHM J
R934	24366471	CARBON FILM, 1/6W 470 OHM J
R935	24366122	CARBON FILM, 1/6W 1.2K OHM J
R937	24366271	CARBON FILM, 1/6W 270 OHM J
R940	24366560	CARBON FILM, 1/6W 56 OHM J
R942	24366222	CARBON FILM, 1/6W 2.2K OHM J
R943	24366222	CARBON FILM, 1/6W 2.2K OHM J
R944	24366222	CARBON FILM, 1/6W 2.2K OHM J
R945	24366330	CARBON FILM, 1/6W 33 OHM J
R946	24366330	CARBON FILM, 1/6W 33 OHM J
R952	24366222	CARBON FILM, 1/6W 2.2K OHM J
R953	24366222	CARBON FILM, 1/6W 2.2K OHM J
R954	24366222	CARBON FILM, 1/6W 2.2K OHM J
R958	24366101	CARBON FILM, 1/6W 100 OHM J
R961	24568472	CERAMIC COVERED, 7W 4.7K OHM J
R962	24568472	CERAMIC COVERED, 7W 4.7K OHM J
R964	24568472	CERAMIC COVERED, 7W 4.7K OHM J
R965	24568472	CERAMIC COVERED, 7W 4.7K OHM J
R966	24366331	CARBON FILM, 1/6W 330 OHM J
R977	24366681	CARBON FILM, 1/6W 680 OHM J
R978	24568472	CERAMIC COVERED, 7W 4.7K OHM J
R979	24568472	CERAMIC COVERED, 7W 4.7K OHM J
R980	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
R981	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
R982	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
R992	24366150	CARBON FILM, 1/6W 15 OHM J
R2020	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R2040	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R2060	24011102	CHIP, METAL FILM, 1/20W 1K 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
R2108	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R2109	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R2110	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R2111	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R2112	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R2113	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
R2149	24871102	CHIP, METAL FILM, 1/8W 1K OHM J
R2150	24871102	CHIP, METAL FILM, 1/8W 1K OHM J
R2151	24871102	CHIP, METAL FILM, 1/8W 1K 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
R2157	24871102	CHIP, METAL FILM, 1/8W 1K OHM J
R2158	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R2159	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R2160	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R2161	24871472	CHIP, METAL FILM, 1/8W 4.7K OHM J
R2162	24871562	CHIP, METAL FILM, 1/8W 5.6K OHM J
R2163	24011121	CHIP, METAL FILM, 1/20W 120 OHM J
R2164	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
R2165	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
R2166	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
R2167	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
R2168	24011100	CHIP, METAL FILM, 1/20W 10 OHM J

Location No.	Parts No.	Description
R2201	24366563	CARBON FILM, 1/6W 56K OHM J
R2202	24366563	CARBON FILM, 1/6W 56K OHM J
R3105	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R3106	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R3140	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R3150	24011474	CHIP, METAL FILM, 1/20W 470K OHM J
R3502	24000445	CHIP JUMPER, 1608TYPE
R3920	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R4111	24019259	FUSIBLE, 1/4W 27 OHM G
R4310	24011183	CHIP, METAL FILM, 1/20W 18K OHM J
R4401	24011302	CHIP, METAL FILM, 1/20W 3K OHM J
R4403	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
R4405	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R4406	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R4410	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R4413	24011561	CHIP, METAL FILM, 1/20W 560 OHM J
R4422	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R4425	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
R4461	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R4471	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
R4472	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
R4500	24321229	OXIDE METAL FILM, 1/2W 2.2 OHM J
R4501	24383820	OXIDE FILM, 2W 82. J
R4504	24383820	OXIDE FILM, 2W 82. J
R4560	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
R4562	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R4563	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
R4620	24011333	CHIP, METAL FILM, 1/20W 33K OHM J
R4630	24872183	CHIP, METAL FILM, 1/16W 18K OHM J
△ R4670	24000524	METAL FILM, 1/4W 4.3K F
R4690	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R4691	24872242	CHIP, METAL FILM, 1/16W 2.4K OHM J
R4692	24872471	CHIP, METAL FILM, 1/16W 470 OHM J
R4693	24552331	OXIDE METAL FILM, 1/2W 330 OHM J
R4700	24011274	CHIP, METAL FILM, 1/20W 270K OHM J
R4701	24011394	CHIP, METAL FILM, 1/20W 390K OHM J
R4702	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
R4703	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
R4714	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R4715	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
R4716	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
R4717	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
R4799	24872103	CHIP, METAL FILM, 1/16W 10K OHM J
R4816	24366471	CARBON FILM, 1/6W 470 OHM J
R4817	24366101	CARBON FILM, 1/6W 100 OHM J
R4818	24366331	CARBON FILM, 1/6W 330 OHM J
R4819	24366102	CARBON FILM, 1/6W 1K OHM J
R4820	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
R5020	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R5030	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
R9180	24366220	CARBON FILM, 1/6W 22 OHM J
R9240	24366220	CARBON FILM, 1/6W 22 OHM J
R9300	24366220	CARBON FILM, 1/6W 22 OHM J
RA01	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA02	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA03	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA04	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA05	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA06	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA07	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA09	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA10	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA12	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA13	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA15	24011102	CHIP, METAL FILM, 1/20W 1K OHM J

Location No.	Parts No.	Description
RA16	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA17	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA22	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
RA23	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA26	24011333	CHIP, METAL FILM, 1/20W 33K OHM J
RA28	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA30	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA32	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
RA33	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA35	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
RA36	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RA37	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA38	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA39	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA40	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA41	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RA42	24011151	CHIP, METAL FILM, 1/20W 150 OHM J
RA43	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA44	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA45	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA46	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA47	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA49	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA51	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA52	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA53	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA54	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RA55	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA59	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA60	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA71	24366273	CARBON FILM, 1/6W 27K OHM J
RA72	24366153	CARBON FILM, 1/6W 15K OHM J
RA72	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RA73	24366822	CARBON FILM, 1/6W 8.2K OHM J
RA73	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
RA74	24011153	CHIP, METAL FILM, 1/20W 15K OHM J
RA75	24011153	CHIP, METAL FILM, 1/20W 15K OHM J
RA76	24366822	CARBON FILM, 1/6W 8.2K OHM J
RA76	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA77	24366153	CARBON FILM, 1/6W 15K OHM J
RA77	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA78	24366273	CARBON FILM, 1/6W 27K OHM J
RA78	24011333	CHIP, METAL FILM, 1/20W 33K OHM J
RA79	24011333	CHIP, METAL FILM, 1/20W 33K OHM J
RA80	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA81	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RA021	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA031	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RA161	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA221	24011153	CHIP, METAL FILM, 1/20W 15K OHM J
RA361	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA374	24000445	CHIP JUMPER, 1608TYPE
RA384	24000445	CHIP JUMPER, 1608TYPE
RA394	24000445	CHIP JUMPER, 1608TYPE
RA401	24011561	CHIP, METAL FILM, 1/20W 560 OHM J
RA431	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA703	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RA705	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RA708	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RB03	24011330	CHIP, METAL FILM, 1/20W 33 OHM J
RB05	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RB11	24366271	CARBON FILM, 1/6W 270 OHM J
RB12	24366103	CARBON FILM, 1/6W 10K OHM J
RB13	24366470	CARBON FILM, 1/6W 47 OHM J
RB14	24011153	CHIP, METAL FILM, 1/20W 15K OHM J

Location No.	Parts No.	Description
RB15	24011153	CHIP, METAL FILM, 1/20W 15K OHM J
RB16	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
RB17	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RB30	24366103	CARBON FILM, 1/6W 10K OHM J
RB37	24011331	CHIP, METAL FILM, 1/20W 330 OHM J
RB38	24011105	CHIP, METAL FILM, 1/20W 1M OHM J
RB39	24011123	CHIP, METAL FILM, 1/20W 12K OHM J
RB40	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RB41	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RB42	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RB61	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RB62	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RB64	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RB65	24011392	CHIP, METAL FILM, 1/20W 3.9K 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
RB84	24011562	CHIP, METAL FILM, 1/20W 5.6K 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
RB031	24011330	CHIP, METAL FILM, 1/20W 33 OHM J
RB032	24011330	CHIP, METAL FILM, 1/20W 33 OHM J
RB033	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RB051	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RB052	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RB512	24011100	CHIP, METAL FILM, 1/20W 10 OHM J
RB551	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RB552	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RB553	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RC01	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RC01	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RC02	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RC02	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RC03	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RC03	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RC04	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RC05	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RC05	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RC06	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RC06	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RC07	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RC07	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RC08	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RC08	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RC09	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RC09	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
RC10	24872101	CHIP, METAL FILM, 1/16W 100 OHM J
RC10	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
RC11	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RC12	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RC13	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RC14	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RI01	24011270	CHIP, METAL FILM, 1/20W 27 OHM J
RI02	24011512	CHIP, METAL FILM, 1/20W 5.1K OHM J
RI03	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RI04	24011470	CHIP, METAL FILM, 1/20W 47 OHM J
RI05	24011361	CHIP, METAL FILM, 1/20W 360 OHM J
RI06	24011519	METAL FILM CHIP, 1/16W 5.1 J

Location No.	Parts No.	Description
RI07	24011360	METAL FILM CHIP, 1/20W 36 J
RI08	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RI09	24011123	CHIP, METAL FILM, 1/20W 12K OHM J
RI11	24011113	CHIP, METAL FILM, 1/20W 11K OHM J
RI13	24011112	CHIP, METAL FILM, 1/20W 1.1K OHM J
RI14	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RI15	24011182	CHIP, METAL FILM, 1/20W 1.8K OHM J
RI16	24011122	CHIP, METAL FILM, 1/20W 1.2K OHM J
RI17	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RI18	24011132	CHIP, METAL FILM, 1/20W 1.3K OHM J
RI19	24011391	CHIP, METAL FILM, 1/20W 390 OHM J
RI20	24011821	CHIP, METAL FILM, 1/20W 820 OHM J
RI21	24011271	CHIP, METAL FILM, 1/20W 270 OHM J
RI22	24011475	METAL FILM CHIP, 1/16W 4R7M K
RI23	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
RI27	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RI28	24011123	CHIP, METAL FILM, 1/20W 12K OHM J
RI30	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RI32	24366750	CARBON FILM, 1/6W 75 OHM J
RI33	24011124	CHIP, METAL FILM, 1/20W 120K OHM J
RI35	24011563	CHIP, METAL FILM, 1/20W 56K OHM J
RI36	24011683	CHIP, METAL FILM, 1/20W 68K OHM J
RI51	24066046	VARIABLE. CARBON, 0.1W 20K N
RI52	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RJ01	24321109	OXIDE METAL FILM, 1/2W 1 OHM J
RJ02	24321109	OXIDE METAL FILM, 1/2W 1 OHM J
RJ06	24366623	CARBON FILM, 1/6W 62K OHM J
RJ08	24366623	CARBON FILM, 1/6W 62K OHM J
RJ09	24366333	CARBON FILM, 1/6W 33K OHM J
RJ12	24366473	CARBON FILM, 1/6W 47K OHM J
RJ13	24366472	CARBON FILM, 1/6W 4.7K OHM J
RJ14	24366472	CARBON FILM, 1/6W 4.7K OHM J
RJ15	24366133	CARBON FILM, 1/6W 13K OHM J
RJ17	24366682	CARBON FILM, 1/6W 6.8K OHM J
RJ41	24000445	CHIP JUMPER, 1608TYPE
RJ42	24000445	CHIP JUMPER, 1608TYPE
RJ43	24000445	CHIP JUMPER, 1608TYPE
RJ44	24000445	CHIP JUMPER, 1608TYPE
RJ45	24000445	CHIP JUMPER, 1608TYPE
RJ46	24000445	CHIP JUMPER, 1608TYPE
RJ47	24000445	CHIP JUMPER, 1608TYPE
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	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS14	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS15	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS16	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS17	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS18	24011101	CHIP, METAL FILM, 1/20W 100 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
RS25	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS26	24011101	CHIP, METAL FILM, 1/20W 100 OHM J

Location No.	Parts No.	Description
RS29	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RS30	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RS31	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS32	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS33	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS34	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS37	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS38	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS39	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS40	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS41	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS42	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS45	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS46	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS47	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS48	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS49	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS50	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS51	24011272	CHIP, METAL FILM, 1/20W 2.7K OHM J
RS52	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS55	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS56	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS57	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS58	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS59	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS60	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RS61	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS62	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RS63	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RS64	24011393	CHIP, METAL FILM, 1/20W 39K OHM J
RS65	24011563	CHIP, METAL FILM, 1/20W 56K OHM J
RS66	24011393	CHIP, METAL FILM, 1/20W 39K OHM J
RS67	24011563	CHIP, METAL FILM, 1/20W 56K OHM J
RS101	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS102	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS103	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS104	24011104	CHIP, METAL FILM, 1/20W 100K OHM J
RS107	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS108	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS109	24011273	CHIP, METAL FILM, 1/20W 27K OHM J
RS110	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RS112	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS113	24011273	CHIP, METAL FILM, 1/20W 27K OHM J
RS114	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RS116	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RS120	24366271	CARBON FILM, 1/6W 270 OHM J
RS121	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS122	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RS123	24011473	CHIP, METAL FILM, 1/20W 47K OHM J
RS124	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RS125	24011333	CHIP, METAL FILM, 1/20W 33K OHM J
RS126	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RV01	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV03	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV06	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV07	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RV08	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV09	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV10	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV11	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV12	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV14	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RV15	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV17	24366750	CARBON FILM, 1/6W 75 OHM J
RV17	24011101	CHIP, METAL FILM, 1/20W 100 OHM J

Location No.	Parts No.	Description
RV18	24366750	CARBON FILM, 1/6W 75 OHM J
RV19	24366332	CARBON FILM, 1/6W 3.3K OHM J
RV19	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV20	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV21	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV26	24011561	CHIP, METAL FILM, 1/20W 560 OHM J
RV27	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV29	24552101	OXIDE METAL FILM, 1/2W 100 OHM J
RV30	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV33	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV34	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV35	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV36	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV37	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV40	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV41	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV60	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RV61	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV62	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV66	24011750	CHIP, METAL FILM, 1/20W 75 OHM J
RV68	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RV69	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RV70	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV71	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RV72	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RV73	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RV74	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RV75	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RV76	24011272	CHIP, METAL FILM, 1/20W 2.7K OHM J
RV77	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV78	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV79	24011272	CHIP, METAL FILM, 1/20W 2.7K OHM J
RV82	24011562	CHIP, METAL FILM, 1/20W 5.6K OHM J
RV120	24366750	CARBON FILM, 1/6W 75 OHM J
RV323	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV324	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV325	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV330	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV331	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV332	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV337	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV338	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV346	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV347	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV348	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV351	24011330	CHIP, METAL FILM, 1/20W 33 OHM J
RV352	24011330	CHIP, METAL FILM, 1/20W 33 OHM J
RV353	24011330	CHIP, METAL FILM, 1/20W 33 OHM J
RV354	24011330	CHIP, METAL FILM, 1/20W 33 OHM J
RV355	24011330	CHIP, METAL FILM, 1/20W 33 OHM J
RV356	24011330	CHIP, METAL FILM, 1/20W 33 OHM J
RV358	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RV359	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RX11	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
RX12	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
RY101	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RY102	24011221	CHIP, METAL FILM, 1/20W 220 OHM J
RY103	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RY104	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RY105	24011821	CHIP, METAL FILM, 1/20W 820 OHM J
RY106	24000445	CHIP JUMPER, 1608TYPE
RY107	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RY109	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RY110	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
RY501	24011303	CHIP, METAL FILM, 1/20W 30K OHM J

Location No.	Parts No.	Description
RY502	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RY503	24011223	CHIP, METAL FILM, 1/20W 22K OHM J
RY504	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RY505	24011123	CHIP, METAL FILM, 1/20W 12K OHM J
RY507	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RY508	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RY509	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RY510	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
RY511	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RY512	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RY513	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
RY516	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RY517	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RY518	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RY519	24000445	CHIP JUMPER, 1608TYPE
RY520	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RY521	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RY523	24011122	CHIP, METAL FILM, 1/20W 1.2K OHM J
RY524	24011681	CHIP, METAL FILM, 1/20W 680 OHM J
RY525	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RY526	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RY527	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RY528	24011222	CHIP, METAL FILM, 1/20W 2.2K OHM J
RY529	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RY532	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RY533	24000445	CHIP JUMPER, 1608TYPE
RY534	24000445	CHIP JUMPER, 1608TYPE
RY541	24011682	CHIP, METAL FILM, 1/20W 6.8K OHM J
RY542	24011392	CHIP, METAL FILM, 1/20W 3.9K OHM J
RY543	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
RY545	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RY548	24011102	CHIP, METAL FILM, 1/20W 1K OHM J
RY550	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RY551	24011182	CHIP, METAL FILM, 1/20W 1.8K OHM J
RY552	24011152	CHIP, METAL FILM, 1/20W 1.5K OHM J
RY560	24011332	CHIP, METAL FILM, 1/20W 3.3K OHM J
RY561	24011471	CHIP, METAL FILM, 1/20W 470 OHM J
RY562	24011101	CHIP, METAL FILM, 1/20W 100 OHM J
RY573	24011472	CHIP, METAL FILM, 1/20W 4.7K OHM J
RY575	24011103	CHIP, METAL FILM, 1/20W 10K OHM J
RY576	24011123	CHIP, METAL FILM, 1/20W 12K OHM J

COILS & TRANSFORMERS		
L101	23289845	COIL, PEAKING, TRF4680AT
L103	23289844	COIL, PEAKING, TRF4470AT
L111	23289845	COIL, PEAKING, TRF4680AT
L113	23289842	COIL, PEAKING, TRF4220AT
L115	23103159	FILTER, EMI, TEM2028AA, 7.5X6.4X8 60MMH 0.5A
L121	23238562	COIL, PEAKING, TRF4109AJ
L122	23238562	COIL, PEAKING, TRF4109AJ
L201	23103152	FILTER, CHIP BEAD 1.5A 600OHM BLM31PG601SN1, TEM2133AM
L202	23103152	FILTER, CHIP BEAD 1.5A 600OHM BLM31PG601SN1, TEM2133AM
L203	23103152	FILTER, CHIP BEAD 1.5A 600OHM BLM31PG601SN1, TEM2133AM
L204	23103152	FILTER, CHIP BEAD 1.5A 600OHM BLM31PG601SN1, TEM2133AM
L205	23103152	FILTER, CHIP BEAD 1.5A 600OHM BLM31PG601SN1, TEM2133AM
L206	23103152	FILTER, CHIP BEAD 1.5A 600OHM BLM31PG601SN1, TEM2133AM
L207	23103152	FILTER, CHIP BEAD 1.5A 600OHM BLM31PG601SN1, TEM2133AM

Location No.	Parts No.	Description
L208	23103152	FILTER, CHIP BEAD 1.5A 600OHM BLM31PG601SN1, TEM2133AM
L209	23103152	FILTER, CHIP BEAD 1.5A 600OHM BLM31PG601SN1, TEM2133AM
L210	23103152	FILTER, CHIP BEAD 1.5A 600OHM BLM31PG601SN1, TEM2133AM
L211	23246191	COIL, CHIP-INDUCTOR-R47MMHJ, TRF4R47CG
L212	23246191	COIL, CHIP-INDUCTOR-R47MMHJ, TRF4R47CG
L213	23246190	COIL, CHIP-INDUCTOR-R39MMHJ, TRF4R39CG
L214	23246191	COIL, CHIP-INDUCTOR-R47MMHJ, TRF4R47CG
L215	23246191	COIL, CHIP-INDUCTOR-R47MMHJ, TRF4R47CG
L216	23246190	COIL, CHIP-INDUCTOR-R39MMHJ, TRF4R39CG
L217	23246191	COIL, CHIP-INDUCTOR-R47MMHJ, TRF4R47CG
L218	23246191	COIL, CHIP-INDUCTOR-R47MMHJ, TRF4R47CG
L219	23246190	COIL, CHIP-INDUCTOR-R39MMHJ, TRF4R39CG
L220	23246191	COIL, CHIP-INDUCTOR-R47MMHJ, TRF4R47CG
L221	23246191	COIL, CHIP-INDUCTOR-R47MMHJ, TRF4R47CG
L222	23246191	COIL, CHIP-INDUCTOR-R47MMHJ, TRF4R47CG
L301	23103894	FILTER, FERRITE BEAD, TEM2011AW
L302	23289846	COIL, PEAKING, TRF4101AT
L401	23280022	COIL, PEAKING, TRF4101AZ
△ L441	23233058	COIL, LIN, TLN2224AG
L442	23248302	COIL, CHOKE, TLN3521GH
L450	23248305	COIL, CHOKE, TLN3346GH
L451	23233064	COIL, TLN2110
△ L461	23248360	COIL, CHOKE EI24 75MMHK, TLN3541AH
L463	23103145	FERRITE CHOKE, TEM2011AA
L464	23103145	FERRITE CHOKE, TEM2011AA
L465	23289840	COIL, PEAKING, TRF4100AT
L491	23248191	COIL, CHOKE, TLN3351AD
L501	23289844	COIL, PEAKING, TRF4470AT
L503	23280022	COIL, PEAKING, TRF4101AZ
L504	23103827	INDUCTOR, BEAD, TEM2120M
L550	23103146	EMI FILTER, TEM2030AA
L551	23103159	FILTER, EMI, TEM2028AA, 7.5X6.4X8 60MMH 0.5A
L582	23248288	COIL, CHOKE, TLN3299GH
L702	23261974	COIL, FERRITE BEAD, HC5-035
L704	23103859	FILTER, FERRITE CHOKE, TEM2011
L705	23103859	FILTER, FERRITE CHOKE, TEM2011
L706	23237987	COIL, PEAKING, TRF4100AC
L801	23103152	FILTER, CHIP BEAD 1.5A 600OHM BLM31PG601SN1, TEM2133AM
L802	23103152	FILTER, CHIP BEAD 1.5A 600OHM BLM31PG601SN1, TEM2133AM
L805	23248297	COIL, CHOKE, TLN3481GH
L806	23248297	COIL, CHOKE, TLN3481GH
L833	23248321	COIL, CHOKE 15X23H 22MMH 4.2A, TLN3462AH
L834	23280019	COIL, PEAKING, TRF4330AZ
L835	23248248	COIL, CHOKE, TLN3500AH
L836	23248321	COIL, CHOKE 15X23H 22MMH 4.2A, TLN3462AH

Location No.	Parts No.	Description
L837	23248292	COIL, CHOKE, TLN3499GH
L838	23248292	COIL, CHOKE, TLN3499GH
L839	23248320	COIL, CHOKE 15X23H 100MMH 2.5A, TLN3441AH
L840	23280019	COIL, PEAKING, TRF4330AZ
L861	23103145	FERRITE CHOKE, TEM2011AA
L862	23103145	FERRITE CHOKE, TEM2011AA
L883	23103145	FERRITE CHOKE, TEM2011AA
L884	23103145	FERRITE CHOKE, TEM2011AA
L885	23248288	COIL, CHOKE, TLN3299GH
L886	23103145	FERRITE CHOKE, TEM2011AA
L887	23103145	FERRITE CHOKE, TEM2011AA
L888	23248292	COIL, CHOKE, TLN3499GH
L889	23248292	COIL, CHOKE, TLN3499GH
L891	23103145	FERRITE CHOKE, TEM2011AA
L892	23103145	FERRITE CHOKE, TEM2011AA
L895	23103145	FERRITE CHOKE, TEM2011AA
L896	23103145	FERRITE CHOKE, TEM2011AA
△ L901	23200559	COIL, DG 0.65CU 42T-2LOOP, TSB-2412AH (32HFX73)
△ L901	23200560	COIL, DG 0.80CU 50T-2LOOP, TSB-2407AH (36HFX73)
L901	23289120	COIL, PEAKING, TRF4120AF
L902	23289689	COIL, PEAKING, TRF46R8AF
L903	23289689	COIL, PEAKING, TRF46R8AF
L904	23289689	COIL, PEAKING, TRF46R8AF
L905	23289835	COIL, PEAKING 1.50MMHK, TRF41R5AT
L906	23289835	COIL, PEAKING 1.50MMHK, TRF41R5AT
L907	23289835	COIL, PEAKING 1.50MMHK, TRF41R5AT
L908	23237987	COIL, PEAKING, TRF4100AC
L910	23103845	COIL, TEM2030AY
L911	23289840	COIL, PEAKING, TRF4100AT
L916	23289120	COIL, PEAKING, TRF4120AF
L924	23289120	COIL, PEAKING, TRF4120AF
LA37	23289836	COIL, PEAKING, TRF42R2AT
LA38	23289836	COIL, PEAKING, TRF42R2AT
LA39	23289836	COIL, PEAKING, TRF42R2AT
LC01	23103152	FILTER, CHIP BEAD 1.5A 600OHM BLM31PG601SN1, TEM2133AM
LI01	23246051	COIL, CHIP-INDUCTOR-0.22MMH K, TRF4R22CE
LI02	23246196	COIL, CHIP INDUCTOR, TRF41R2CG
LI51	23289470	COIL, PEAKING, TRF4470AF
LI52	23289120	COIL, PEAKING, TRF4120AF
LI53	23289180	COIL, PEAKING, TRF4180AF
LI54	23232050	COIL, VARIABLE, TRF3554D
LI55	23289129	COIL, PEAKING 1.0MMH J 0405, TRF41R2AF
LI56	23289180	COIL, PEAKING, TRF4180AF
LI57	23289228	COIL, PEAKING, TRF4R22AF
△ LJ901	23200544	COIL, GEOMAGNETIC CORRECTION, TSB-2421AH
LV02	23103159	FILTER, EMI, TEM2028AA, 7.5X6.4X8 60MMH 0.5A
LV03	23103159	FILTER, EMI, TEM2028AA, 7.5X6.4X8 60MMH 0.5A
LV09	23289840	COIL, PEAKING, TRF4100AT
LV13	23289840	COIL, PEAKING, TRF4100AT
LV19	23289560	COIL, PEAKING, TRF4560AF
LV42	23289840	COIL, PEAKING, TRF4100AT
LV200	23103159	FILTER, EMI, TEM2028AA, 7.5X6.4X8 60MMH 0.5A
LV210	23103159	FILTER, EMI, TEM2028AA, 7.5X6.4X8 60MMH 0.5A
LV230	23103159	FILTER, EMI, TEM2028AA, 7.5X6.4X8 60MMH 0.5A

Location No.	Parts No.	Description
LV231	23103159	FILTER, EMI, TEM2028AA, 7.5X6.4X8 60MMH 0.5A
LV240	23103159	FILTER, EMI, TEM2028AA, 7.5X6.4X8 60MMH 0.5A
LV250	23103146	EMI FILTER, TEM2030AA
LV260	23103159	FILTER, EMI, TEM2028AA, 7.5X6.4X8 60MMH 0.5A
LV261	23103159	FILTER, EMI, TEM2028AA, 7.5X6.4X8 60MMH 0.5A
LV262	23103159	FILTER, EMI, TEM2028AA, 7.5X6.4X8 60MMH 0.5A
LV270	23103146	EMI FILTER, TEM2030AA
LV271	23289840	COIL, PEAKING, TRF4100AT
LY100	23246223	COIL, CHIP INDUCTOR, TRF4330CG
LY101	23103827	INDUCTOR, BEAD, TEM2120M
LY102	23103827	INDUCTOR, BEAD, TEM2120M
LY103	23103230	INDUCTOR, BEAD, TEM2134AD
LY104	23246219	COIL, CHIP INDUCTOR, TRF4150CG
LY105	23246219	COIL, CHIP INDUCTOR, TRF4150CG
LY112	23103230	INDUCTOR, BEAD, TEM2134AD
LY113	23246398	COIL, CHIP INDUCTOR 10MMH K, TRF4100CV
LY290	23103159	FILTER, EMI, TEM2028AA, 7.5X6.4X8 60MMH 0.5A
LY291	23103159	FILTER, EMI, TEM2028AA, 7.5X6.4X8 60MMH 0.5A
LY292	23103159	FILTER, EMI, TEM2028AA, 7.5X6.4X8 60MMH 0.5A
LY501	23246398	COIL, CHIP INDUCTOR 10MMH K, TRF4100CV
T400	23224388	TRANSFORMER, FOCUS-T, TLN2221AL
T401	23224371	TRANSFORMER, HORIZ DRIVE, TLN1080AH
△ T461Z	23236823	TRANSFORMER, FLY-BACK, TFB4211ZD
△ T801	23211765	COIL, LF LH35V , TRF3239AH
△ T840	23217431	TRANSFORMER, CONVERTER, TPW3425AH
△ T862	23217618	TRANSFORMER, CONVERTER EER42, TRSTPW3526AS
SEMICONDUCTORS		
Q151	23314289	TRANSISTOR, 2SA1586-Y
Q152	23314292	TRANSISTOR, 2SC4116-Y(TL
Q172	23314292	TRANSISTOR, 2SC4116-Y(TL
Q201	23009234	IC, TI TFP501
Q201	23314993	TRANSISTOR, 2SC4081T106Q
Q202	23009233	IC, TI THS8200
Q203	23009621	IC, TMP87C809M-xxx
Q204	23009371	IC, EPM3032ATC4410
Q205	23205151	TRANSISTOR, FET, BSN20
Q206	23205151	TRANSISTOR, FET, BSN20
Q207	23314163	TRANSISTOR, 2SA1162-Y
Q208	23314163	TRANSISTOR, 2SA1162-Y
Q209	23314163	TRANSISTOR, 2SA1162-Y
Q210	23314204	TRANSISTOR, 2SC2412K,Q
Q211	23205151	TRANSISTOR, FET, BSN20
Q212	70114402	TRANSISTOR, 2SC3437-Y
Q213	23314204	TRANSISTOR, 2SC2412K,Q
Q301	23905610	IC, LA7846N
Q301B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
Q302	23000711	IC, TA1317AN
Q360	23314993	TRANSISTOR, 2SC4081T106Q
Q370	23114497	TRANSISTOR, RN1406(TE85L
Q371	23314204	TRANSISTOR, 2SC2412K,Q
Q372	23114497	TRANSISTOR, RN1406(TE85L
Q373	23314204	TRANSISTOR, 2SC2412K,Q
Q374	23314204	TRANSISTOR, 2SC2412K,Q
Q390	23906596	IC, BA4558

Location No.	Parts No.	Description
Q391	23314204	TRANSISTOR, 2SC2412K,Q
Q399	23205079	TRANSISTOR, 2SC4686A
Q402	23314862	TRANSISTOR, FET, 2SK941
Q404	23205007	TRANSISTOR, 2SC5570(FA)
Q404B	23850638	INSULATOR, TRANSISTOR, AC263(NO SERVICE PART)
Q404D	72471082	SCREW, 3X10MM
Q410	23314994	TRANSISTOR, 2SA1576A106
Q418	23314141	TRANSISTOR, 2SC3852
Q418B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
Q425	23314993	TRANSISTOR, 2SC4081T106Q
Q426	23205177	TRANSISTOR, USM R1=4.7K R2=47K, RN1306(TE85L)
Q427	23205177	TRANSISTOR, USM R1=4.7K R2=47K, RN1306(TE85L)
Q428	23205177	TRANSISTOR, USM R1=4.7K R2=47K, RN1306(TE85L)
Q430	23314141	TRANSISTOR, 2SC3852
Q430B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
Q460	23205031	TRANSISTOR, FET, 2SK2920
Q470	23114759	TRANSISTOR, 2SA949-Y
Q480	23314993	TRANSISTOR, 2SC4081T106Q
Q484	23205045	TRANSISTOR, 2SA1037AKQ
Q486	23314204	TRANSISTOR, 2SC2412K,Q
Q510	23009369	IC, TA1360AFG
Q520	23314994	TRANSISTOR, 2SA1576A106
Q521	23314994	TRANSISTOR, 2SA1576A106
Q522	23314994	TRANSISTOR, 2SA1576A106
Q610	23906523	IC, TA8256BH
Q610B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
Q611	23314183	TRANSISTOR, 2SC4213-B(TL
Q612	23314994	TRANSISTOR, 2SA1576A106
Q613	70114396	TRANSISTOR, 2SC3326B
Q614	70114396	TRANSISTOR, 2SC3326B
Q615	70114396	TRANSISTOR, 2SC3326B
Q670	23314183	TRANSISTOR, 2SC4213-B(TL
Q683	23314993	TRANSISTOR, 2SC4081T106Q
Q705	23114433	TRANSISTOR, 2SC1815-Y
Q706	23114433	TRANSISTOR, 2SC1815-Y
Q707	23114437	TRANSISTOR, 2SC752GTM-Y
Q709	23114433	TRANSISTOR, 2SC1815-Y
Q710	23114425	TRANSISTOR, 2SA1015-Y(TE
Q711	23314909	TRANSISTOR, 2SA1837
Q712	23314912	TRANSISTOR, 2SC4793
Q719	23114433	TRANSISTOR, 2SC1815-Y
Q720	23114433	TRANSISTOR, 2SC1815-Y
Q801	23135013	IC, STR-Z4317
△ Q801	23009236	IC, TI TPS76918
Q801B	23476828	BRACKET IC MOUNTING, TMX LOCAL CF35F50
Q805	23114459	TRANSISTOR, RN1205
Q829	23000804	IC, SI-3090J(LF1101)
Q829B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
Q832	70200563	IC, RESET VS=2.9V, PST9129
Q833	23114458	TRANSISTOR, RN1206
Q834	23000805	IC, SI-3033CA(LF1101)
Q835	23000546	IC, SI-8050SS
Q835B	70391356	SCREW, BITTB3X10 SZN
Q839	23000805	IC, SI-3033CA(LF1101)
Q839B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN

Location No.	Parts No.	Description
Q840	23906133	IC, MIP280
△ Q841	23000823	IC, PHOTO COUPLER, TLP421F(GR)
△ Q842	23000823	IC, PHOTO COUPLER, TLP421F(GR)
Q843	23314965	TRANSISTOR, KTC3198 Y
△ Q862	23000823	IC, PHOTO COUPLER, TLP421F(GR)
△ Q883	23319692	IC, SE130N, LF4
Q901	23205159	TRANSISTOR, 2SC3942
Q902	23205165	TRANSISTOR, 2SC3950E
Q903	23205159	TRANSISTOR, 2SC3942
Q904	23205165	TRANSISTOR, 2SC3950E
Q905	23205159	TRANSISTOR, 2SC3942
Q906	23205165	TRANSISTOR, 2SC3950E
Q907	23114735	TRANSISTOR, 2SA102-Y(C)
Q908	23114429	TRANSISTOR, 2SC2120-Y(TE)
Q930	23205158	TRANSISTOR, 2SC3790E
Q931	23205156	TRANSISTOR, 2SA1480E
Q933	23205158	TRANSISTOR, 2SC3790E
Q934	23205156	TRANSISTOR, 2SA1480E
Q936	23205158	TRANSISTOR, 2SC3790E
Q937	23205156	TRANSISTOR, 2SA1480E
Q961	23114433	TRANSISTOR, 2SC1815-Y
Q2104	23314962	TRANSISTOR, KTA1266 Y
Q2105	23314962	TRANSISTOR, KTA1266 Y
Q2106	23314962	TRANSISTOR, KTA1266 Y
Q2107	23314962	TRANSISTOR, KTA1266 Y
Q2108	23314962	TRANSISTOR, KTA1266 Y
Q2109	23314962	TRANSISTOR, KTA1266 Y
Q2201	23114460	TRANSISTOR, RN1204
Q2202	23114460	TRANSISTOR, RN1204
Q3103	23314994	TRANSISTOR, 2SA1576A106
Q4021	23114433	TRANSISTOR, 2SC1815-Y
Q4022	23114425	TRANSISTOR, 2SA1015-Y(TE)
Q4460	23314993	TRANSISTOR, 2SC4081T106Q
Q4461	23314993	TRANSISTOR, 2SC4081T106Q
Q4501	23906335	IC, TA1270AF(J)
Q4690	23314204	TRANSISTOR, 2SC2412K,Q
Q4703	23314994	TRANSISTOR, 2SA1576A106
Q4819	23114528	TRANSISTOR, 2SC1740S
QA01	23009507	IC, MCU 1CHIP 16BIT 4M 64P, MN102H85KFL
QA02	23009330	IC, AT24C64-10PI-2.7
QA14	23205045	TRANSISTOR, 2SA1037AKQ
QA70	23319935	IC, MM1096BS
QA71	23314993	TRANSISTOR, 2SC4081T106Q
QA72	23314993	TRANSISTOR, 2SC4081T106Q
QA80	23906295	IC, UPC29M33HB
QA81	70200563	IC, RESET VS=2.9V, PST9129
QB03	23114498	TRANSISTOR, RN1405(TE85L
QB05	23314993	TRANSISTOR, 2SC4081T106Q
QB11	23114528	TRANSISTOR, 2SC1740S
QB14	23314993	TRANSISTOR, 2SC4081T106Q
QB15	23314993	TRANSISTOR, 2SC4081T106Q
QB30	23314965	TRANSISTOR, KTC3198 Y
QB44	23314994	TRANSISTOR, 2SA1576A106
QB45	23314993	TRANSISTOR, 2SC4081T106Q
QB55	23314993	TRANSISTOR, 2SC4081T106Q
QB61	70114402	TRANSISTOR, 2SC3437-Y
QB81	70114396	TRANSISTOR, 2SC3326B
QB82	70114396	TRANSISTOR, 2SC3326B
QB83	23314994	TRANSISTOR, 2SA1576A106
QB84	23314993	TRANSISTOR, 2SC4081T106Q
QB85	23314994	TRANSISTOR, 2SA1576A106
QB86	23314994	TRANSISTOR, 2SA1576A106
QB87	23314994	TRANSISTOR, 2SA1576A106
QB88	23314994	TRANSISTOR, 2SA1576A106

Location No.	Parts No.	Description
QC01	23009360	IC, 4K BIT CMOS EEPROM 24C04N-10SI-1.8TEL, AT24C04N10SI
QC02	23205151	TRANSISTOR, FET, BSN20
QC03	23205151	TRANSISTOR, FET, BSN20
QC04	23009360	IC, 4K BIT CMOS EEPROM 24C04N-10SI-1.8TEL, AT24C04N10SI
QC05	23314204	TRANSISTOR, 2SC2412K,Q
QI01	23114611	TRANSISTOR, 2SC3357
QI02	23314994	TRANSISTOR, 2SA1576A106
QI03	23314993	TRANSISTOR, 2SC4081T106Q
QI05	23009240	IC, VIF/SIF SSOP24PIN , TA1274F(FA03A5,EL)
QJ01	23906077	IC, OP-AMP, TCA0372 DP1
QS03	23314993	TRANSISTOR, 2SC4081T106Q
QS04	23314993	TRANSISTOR, 2SC4081T106Q
QS05	23318977	IC, MC14052BF
QS06	23318977	IC, MC14052BF
QS07	23314183	TRANSISTOR, 2SC4213-B(TL
QS08	23314183	TRANSISTOR, 2SC4213-B(TL
QS09	23114493	TRANSISTOR, RN2404(TE85L
QS10	23904896	IC, JLC1562BF
QS11	23114499	TRANSISTOR, RN1404(TE85L
QS12	23114499	TRANSISTOR, RN1404(TE85L
QS13	23114499	TRANSISTOR, RN1404(TE85L
QS14	23114499	TRANSISTOR, RN1404(TE85L
QS101	23906597	IC, BA4558F
QS102	23114493	TRANSISTOR, RN2404(TE85L
QS103	70114396	TRANSISTOR, 2SC3326B
QS104	70114396	TRANSISTOR, 2SC3326B
QS120	23906597	IC, BA4558F
QV01	23906887	IC, CXA2069Q
QV04	23314993	TRANSISTOR, 2SC4081T106Q
QV06	23314994	TRANSISTOR, 2SA1576A106
QV09	23314994	TRANSISTOR, 2SA1576A106
QV12	23009418	IC, 2IN-1OUTSW DRIVER, MM1505XNRE
QV70	23314993	TRANSISTOR, 2SC4081T106Q
QV71	23314993	TRANSISTOR, 2SC4081T106Q
QV72	23314994	TRANSISTOR, 2SA1576A106
QV73	23314994	TRANSISTOR, 2SA1576A106
QV74	23314993	TRANSISTOR, 2SC4081T106Q
QV254	23000360	IC, MM1519XQ
QY100	23906515	IC, TC90A45F
QY101	23314993	TRANSISTOR, 2SC4081T106Q
QY102	23314993	TRANSISTOR, 2SC4081T106Q
QY103	23314994	TRANSISTOR, 2SA1576A106
QY501	23000812	IC, TA1340F
QY502	23205014	TRANSISTOR, 2SC4667-O
QY503	23314994	TRANSISTOR, 2SA1576A106
QY504	23314994	TRANSISTOR, 2SA1576A106
QY507	23314993	TRANSISTOR, 2SC4081T106Q
QY511	23314994	TRANSISTOR, 2SA1576A106
QY512	23314994	TRANSISTOR, 2SA1576A106
QY513	23314994	TRANSISTOR, 2SA1576A106
QY514	23314994	TRANSISTOR, 2SA1576A106
QY515	23314994	TRANSISTOR, 2SA1576A106
QY516	23314994	TRANSISTOR, 2SA1576A106
QY518	23314993	TRANSISTOR, 2SC4081T106Q
QY520	23314993	TRANSISTOR, 2SC4081T106Q
D101	23316755	DIODE, ZENER, MTZJ33C
D112	23316574	DIODE, ZENER CHIP VZ6.05-6.36V, MA8062-M, TX
D201	23118041	DIODE, MA111-(TX)
D202	23118041	DIODE, MA111-(TX)
D203	23118041	DIODE, MA111-(TX)
D204	23118041	DIODE, MA111-(TX)
D205	23316573	DIODE, ZENER, MA8062-L, TX

Location No.	Parts No.	Description
D206	23316573	DIODE, ZENER, MA8062-L, TX
D230	23316231	DIODE, 1SS355-TE17
D301	23357366	DIODE, FR105-B5
D302	23118094	DIODE, EU2A, LF-F10
D303	23118094	DIODE, EU2A, LF-F10
D318	23118859	DIODE, 1SS133
D321	23316754	DIODE, ZENER, MTZJ33B
D327	23118515	DIODE, ZENER, RD11ESA B1
D330	23316794	DIODE, SC570ALFE2
D336	23316672	DIODE, ZENER, MTZJ5.6B
D337	23316672	DIODE, ZENER, MTZJ5.6B
D365	23316678	DIODE, ZENER, MTZJ6.8B
D372	23118859	DIODE, 1SS133
D373	23118859	DIODE, 1SS133
D374	23316716	DIODE, ZENER, MTZJ11B
D390	23316668	DIODE, ZENER, MTZJ5.1A
D404	23224366	DIODE, FMQ-3GU
D404B	70391356	SCREW, BITTB3X10 SZN
D406	23118094	DIODE, EU2A, LF-F10
D408	23118094	DIODE, EU2A, LF-F10
D412	23118094	DIODE, EU2A, LF-F10
D414	23118094	DIODE, EU2A, LF-F10
D415	23118094	DIODE, EU2A, LF-F10
D419	23316716	DIODE, ZENER, MTZJ11B
D420	23316716	DIODE, ZENER, MTZJ11B
D422	23316591	DIODE, ZENER, MA8100-M, TX
D423	23115532	DIODE, ERB12-01
D431	23316690	DIODE, ZENER, MTZJ10B
D432	23115532	DIODE, ERB12-01
D462	23316725	DIODE, ZENER, MTZJ15B
D465	23118094	DIODE, EU2A, LF-F10
D469	23118859	DIODE, 1SS133
D470	23118604	DIODE, ZENER, RD36ESA B2
D471	23118094	DIODE, EU2A, LF-F10
D475	23316720	DIODE, ZENER, MTZJ12C
D476	23118859	DIODE, 1SS133
D480	23316573	DIODE, ZENER, MA8062-L, TX
D481	23118859	DIODE, 1SS133
△ D484	23115774	DIODE, ZENER, RD6.2E(FA-1)
D485	23316688	DIODE, ZENER, MTZJ9.1C
D502	23316231	DIODE, 1SS355-TE17
D505	23316622	DIODE, ZENER, MA8270-M, TX
D520	23118641	DIODE, ZENER, RD2.0ESA B2
D522	23316231	DIODE, 1SS355-TE17
D523	23316231	DIODE, 1SS355-TE17
D535	23316591	DIODE, ZENER, MA8100-M, TX
D601	23316231	DIODE, 1SS355-TE17
D602	23316231	DIODE, 1SS355-TE17
D603	23316231	DIODE, 1SS355-TE17
D604	23316231	DIODE, 1SS355-TE17
D607	23118262	DIODE, ZENER, RD33MD
D611	23316231	DIODE, 1SS355-TE17
D612	23118131	DIODE, 1SS193(TE85L
D613	23316231	DIODE, 1SS355-TE17
D614	23316231	DIODE, 1SS355-TE17
D615	23316231	DIODE, 1SS355-TE17
D616	23316231	DIODE, 1SS355-TE17
D617	23316231	DIODE, 1SS355-TE17
D704	23118859	DIODE, 1SS133
D705	23118859	DIODE, 1SS133
D715	23118859	DIODE, 1SS133
D721	23118859	DIODE, 1SS133
△ D801	23316393	DIODE, VRM=600V IO=6A SIP, D5SB60, 4009 F05
D801B	70391356	SCREW, BITTB3X10 SZN

Location No.	Parts No.	Description
D834	23316269	DIODE, AK04
D835	23316637	DIODE, SCHOTTKY, FMB-G14L
D835B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
D836	23316782	DIODE, ZENER, MTZJ6.2C
D837	23316678	DIODE, ZENER, MTZJ6.8B
D840	23357207	DIODE, LN1WBA60
D841	23316673	DIODE, ZENER, MTZJ5.6C
D842	23316665	DIODE, ZENER, MTZJ4.7A
D843	23118094	DIODE, EU2A, LF-F10
D845	23118859	DIODE, 1SS133
D846	23118633	DIODE, ZENER, RD3.0ES B2
D847	23118633	DIODE, ZENER, RD3.0ES B2
D848	23118859	DIODE, 1SS133
D855	23118859	DIODE, 1SS133
D862	23357366	DIODE, FR105-B5
D864	23357366	DIODE, FR105-B5
D873	23316690	DIODE, ZENER, MTZJ10B
D875	23316689	DIODE, ZENER, MTZJ10A
D876	23316747	DIODE, ZENER, MTZJ27C
D879	23316747	DIODE, ZENER, MTZJ27C
D881	23118859	DIODE, 1SS133
D883	23357018	DIODE, RL2, LF-C1
D884	23357018	DIODE, RL2, LF-C1
D885	23357042	DIODE, FMX-12S(023-108)
D891	23357042	DIODE, FMX-12S(023-108)
D895	23357042	DIODE, FMX-12S(023-108)
D895B	70391355	SCREW, BIND HEAD TAP-TITE B, BITTB 3X8 SZN
△ D899	24019485	VARISTOR, TNR10V431K
D901	23118859	DIODE, 1SS133
D904	23118859	DIODE, 1SS133
D905	23118859	DIODE, 1SS133
D906	23118859	DIODE, 1SS133
D907	23118859	DIODE, 1SS133
D908	23118859	DIODE, 1SS133
D909	23118859	DIODE, 1SS133
D911	23115337	DIODE, 1S1834
D916	23357012	DIODE, 1SS244
D917	23357012	DIODE, 1SS244
D918	23357012	DIODE, 1SS244
D919	23357012	DIODE, 1SS244
D921	23115337	DIODE, 1S1834
D926	23357012	DIODE, 1SS244
D927	23357012	DIODE, 1SS244
D928	23357012	DIODE, 1SS244
D929	23357012	DIODE, 1SS244
D949	23357012	DIODE, 1SS244
D950	23357012	DIODE, 1SS244
D951	23357012	DIODE, 1SS244
D952	23357012	DIODE, 1SS244
D4401	23316591	DIODE, ZENER, MA8100-M, TX
D4603	23316231	DIODE, 1SS355-TE17
D4819	23316454	SCR, SF0R3G42NG5H
DA02	23316574	DIODE, ZENER CHIP VZ6.05-6.36V, MA8062-M, TX
DA23	23118041	DIODE, MA111-(TX)
DA43	23118041	DIODE, MA111-(TX)
DA44	23118041	DIODE, MA111-(TX)
DA45	23118041	DIODE, MA111-(TX)
DA46	23118041	DIODE, MA111-(TX)
DA70	23118041	DIODE, MA111-(TX)
DB01	23358564	DIODE, LED, SLR-56VC3FPQ
DB03	23358522	DIODE, LED, SIR-56SB3F
DB05	23316675	DIODE, ZENER, MTZJ6.2B

Location No.	Parts No.	Description
DB30	23118041	DIODE, MA111-(TX)
DB31	23118041	DIODE, MA111-(TX)
DB61	23118041	DIODE, MA111-(TX)
DC01	23118041	DIODE, MA111-(TX)
DC02	23118041	DIODE, MA111-(TX)
DC03	23118041	DIODE, MA111-(TX)
DC04	23118041	DIODE, MA111-(TX)
DS120	23316740	DIODE, ZENER, MTZ J 22D
DV07	23316577	DIODE, ZENER, MA8068-M, TX
DV14	23316577	DIODE, ZENER, MA8068-M, TX
DV21	23316577	DIODE, ZENER, MA8068-M, TX
DV241	23316591	DIODE, ZENER, MA8100-M, TX
DV242	23316591	DIODE, ZENER, MA8100-M, TX
DV243	23316591	DIODE, ZENER, MA8100-M, TX
DV244	23316591	DIODE, ZENER, MA8100-M, TX
DV249	23316591	DIODE, ZENER, MA8100-M, TX
DV250	23316591	DIODE, ZENER, MA8100-M, TX
DV251	23316577	DIODE, ZENER, MA8068-M, TX
DV252	23316577	DIODE, ZENER, MA8068-M, TX
DV256	23316591	DIODE, ZENER, MA8100-M, TX
DV257	23316591	DIODE, ZENER, MA8100-M, TX
DV258	23316591	DIODE, ZENER, MA8100-M, TX
MISCELLANEOUS		
B230	23037312	SCREW, BTBW3X12SZN
B231	23035412	SCREW, BTB4X12 SZN
B232	23035312	SCREW, BTB3X12SZN
BB130	23368627	CONNECTOR, BRIDGE B-B 8P 2.5JST 08TM-2.5FJ-E
BB13A	23903022	CONNECTOR, BASE B-B 8P 2.5 JST
BB13B	23903022	CONNECTOR, BASE B-B 8P 2.5 JST
BB14A	23713014	CONNECTOR, BRIDGE PLUG 16P 1.5
BB14B	23713013	CONNECTOR, SOCKET, B-B 16P 1.5
BB160	23368627	CONNECTOR, BRIDGE B-B 8P 2.5JST 08TM-2.5FJ-E
BB16A	23903022	CONNECTOR, BASE B-B 8P 2.5 JST
BB16B	23903022	CONNECTOR, BASE B-B 8P 2.5 JST
BB50A	23713014	CONNECTOR, BRIDGE PLUG 16P 1.5
BB50B	23713013	CONNECTOR, SOCKET, B-B 16P 1.5
BB60A	23713014	CONNECTOR, BRIDGE PLUG 16P 1.5
BB60B	23713013	CONNECTOR, SOCKET, B-B 16P 1.5
BB70A	23713014	CONNECTOR, BRIDGE PLUG 16P 1.5
BB70B	23713013	CONNECTOR, SOCKET, B-B 16P 1.5
BB80A	23368517	CONNECTOR, PLUG, B-B 6P
BB80B	23902749	CONNECTOR, SOCKET, B-B 6P
△ F470	23144897	FUSE, 2A 125V
F470A	23165433	FUSE HOLDER, 5.2 SOC
F470B	23165433	FUSE HOLDER, 5.2 SOC
△ F801	23144518	FUSE, CARTRIDGE, 125V 10A
F801A	23165433	FUSE HOLDER, 5.2 SOC
F801B	23165433	FUSE HOLDER, 5.2 SOC
△ F840	23144581	FUSE, AXIAL, 125V 200MA
△ F860	23144456	FUSE, AXIAL, 125V 5.0A
△ F889	23144681	FUSE, CARTRIDGE 5X20, 125V 4.0A
F889A	23165433	FUSE HOLDER, 5.2 SOC
F889B	23165433	FUSE HOLDER, 5.2 SOC
G101	24011151	CHIP, METAL FILM, 1/20W 150 OHM J
G102	24011151	CHIP, METAL FILM, 1/20W 150 OHM J
G301	23103145	FERRITE CHOKE, TEM2011AA
G306	24366103	CARBON FILM, 1/6W 10K OHM J
G313	24591103	PLASTIC FILM, 50V 0.01UF J
G400	24946561	CARBON COMPOSITION, 1/2W 560 OHM K
G403	24946223	CARBON COMPOSITION, GF 1/2W 22K K
G404	23103145	FERRITE CHOKE, TEM2011AA
G410	23316731	DIODE, ZENER, MTZJ18B

Location No.	Parts No.	Description
G499	24693122	PLASTIC FILM, 100V 1200PF J
G500	23289470	COIL, PEAKING, TRF4470AF
△ G883	23118631	RD3.3ESA B2
G908	24366560	CARBON FILM, 1/6W 56 OHM J
G914	23118859	DIODE, 1SS133
G915	23118859	DIODE, 1SS133
G923	24366560	CARBON FILM, 1/6W 56 OHM J
G924	23118859	DIODE, 1SS133
G925	23118859	DIODE, 1SS133
G941	24366560	CARBON FILM, 1/6W 56 OHM J
G947	23118859	DIODE, 1SS133
G948	23118859	DIODE, 1SS133
G951	24366102	CARBON FILM, 1/6W 1K OHM J
G966	24366102	CARBON FILM, 1/6W 1K OHM J
G9880	24366102	CARBON FILM, 1/6W 1K OHM J
GJ04	24000445	CHIP JUMPER, 1608TYPE
GJ17	24000445	CHIP JUMPER, 1608TYPE
GJ19	24000445	CHIP JUMPER, 1608TYPE
GJ33	24000445	CHIP JUMPER, 1608TYPE
GJ101	24000445	CHIP JUMPER, 1608TYPE
GJ102	24000445	CHIP JUMPER, 1608TYPE
GJ103	24000445	CHIP JUMPER, 1608TYPE
GJ105	24000445	CHIP JUMPER, 1608TYPE
GJ107	24000445	CHIP JUMPER, 1608TYPE
GJ108	24000445	CHIP JUMPER, 1608TYPE
GJ201	24000445	CHIP JUMPER, 1608TYPE
GJ202	24000445	CHIP JUMPER, 1608TYPE
GJ203	24000445	CHIP JUMPER, 1608TYPE
GJ203	24000445	CHIP JUMPER, 1608TYPE
GJ204	24011220	CHIP, METAL FILM, 1/20W 22 OHM J
GJ205	24000445	CHIP JUMPER, 1608TYPE
GJ208	24000445	CHIP JUMPER, 1608TYPE
GJ210	24000445	CHIP JUMPER, 1608TYPE
GJ213	24000445	CHIP JUMPER, 1608TYPE
GJ216	24000445	CHIP JUMPER, 1608TYPE
GJ223	24000445	CHIP JUMPER, 1608TYPE
GJ224	24000445	CHIP JUMPER, 1608TYPE
GJ225	24000445	CHIP JUMPER, 1608TYPE
GJ226	24000445	CHIP JUMPER, 1608TYPE
GJ227	24000445	CHIP JUMPER, 1608TYPE
GJ228	24000445	CHIP JUMPER, 1608TYPE
GJ229	24000445	CHIP JUMPER, 1608TYPE
GJ230	24000445	CHIP JUMPER, 1608TYPE
GJ255	24000445	CHIP JUMPER, 1608TYPE
GJ256	24000445	CHIP JUMPER, 1608TYPE
GJ267	24000445	CHIP JUMPER, 1608TYPE
GJ275	24000445	CHIP JUMPER, 1608TYPE
GJ401	24000445	CHIP JUMPER, 1608TYPE
GJ501	24000445	CHIP JUMPER, 1608TYPE
GJ502	24000445	CHIP JUMPER, 1608TYPE
GJ561	24000445	CHIP JUMPER, 1608TYPE
GJ562	24000445	CHIP JUMPER, 1608TYPE
GJ563	24000445	CHIP JUMPER, 1608TYPE
GJ572	24000445	CHIP JUMPER, 1608TYPE
GJ573	24000445	CHIP JUMPER, 1608TYPE
GJ599	24000445	CHIP JUMPER, 1608TYPE
GJ601	24000445	CHIP JUMPER, 1608TYPE
GJ602	24000445	CHIP JUMPER, 1608TYPE
GJ612	24000445	CHIP JUMPER, 1608TYPE
GJ613	24000445	CHIP JUMPER, 1608TYPE
GJA33	24000445	CHIP JUMPER, 1608TYPE
GR01	24000445	CHIP JUMPER, 1608TYPE
GR02	24000445	CHIP JUMPER, 1608TYPE
GR09	24000445	CHIP JUMPER, 1608TYPE
GR90	24011564	CHIP, METAL FILM, 1/20W 560K OHM J

Location No.	Parts No.	Description
GR392	24000445	CHIP JUMPER, 1608TYPE
GR503	24000445	CHIP JUMPER, 1608TYPE
GR505	24000445	CHIP JUMPER, 1608TYPE
GS501	24000445	CHIP JUMPER, 1608TYPE
GS502	24000445	CHIP JUMPER, 1608TYPE
H002	23148043	IF MODULE, US WOW MSP3441G VDS MVUS52
H003	23124087	ANTENNA SWITCH, 2I3O BUNPAI US, RSU135X1
H003A	23740989	NUT, F-CONNECTOR 2H BS
JY508	24000445	CHIP JUMPER, 1608TYPE
JY509	24000445	CHIP JUMPER, 1608TYPE
KB01	23906805	IC, REMOTE PHOTO RECIEVER, PIC-TB17
M461A	23192957	ANODE CAP ASSY, TCC5602AT
M461B	23505090	CABLE, CABLE FOCUS
M461C	23505089	CABLE, FOCUS
M461D	23504719	CABLE, SCREEN
N726	23969041	TAPE WHITE 3M #1, W=1 INCH TNP COMMON
P101	23367068	PLUG, 8P 2.5MM G JST-EH B8B-EH-F1-TV4
P105	23368578	CONNECTOR, PLUG, 4P 2.5MM G JST-EH, B4B-EH-F1-TV4
P113	23368579	CONNECTOR, PLUG, 5P 2.5MM G JST-EH, B5B-EH-F1-TV4
P311A	23902655	CONNECTOR, B-B 15P
P311B	23367724	CONNECTOR, PLUG B-B 15P
P312A	23902655	CONNECTOR, B-B 15P
P312B	23367724	CONNECTOR, PLUG B-B 15P
P540	23903176	SOCKET, SOCKET 60P TKD 136901160W4
P604	23368577	CONNECTOR, PLUG, 3P 2.5MM G JST-EH, B3B-EH-F1-TV4
P606	23368578	CONNECTOR, PLUG, 4P 2.5MM G JST-EH, B4B-EH-F1-TV4
P701	23368578	CONNECTOR, PLUG, 4P 2.5MM G JST-EH, B4B-EH-F1-TV4
P702	23368578	CONNECTOR, PLUG, 4P 2.5MM G JST-EH, B4B-EH-F1-TV4
P703	23368577	CONNECTOR, PLUG, 3P 2.5MM G JST-EH, B3B-EH-F1-TV4
P704	23368577	CONNECTOR, PLUG, 3P 2.5MM G JST-EH, B3B-EH-F1-TV4
△ P801	23372233	POWER CORD, U/C FL 125V7A KARI
P804	23368580	PLUG, 6P 2.5MM G JST-EH B6B-EH-F1-TV4
P809	23368580	PLUG, 6P 2.5MM G JST-EH B6B-EH-F1-TV4
P902	23367068	PLUG, 8P 2.5MM G JST-EH B8B-EH-F1-TV4
P903	23367069	CONNECTOR, PLUG, NP 2.5MM G JST-EH, B9B-EH-F1A
P904	23367069	CONNECTOR, PLUG, NP 2.5MM G JST-EH, B9B-EH-F1A
PJ901	23368577	CONNECTOR, PLUG, 3P 2.5MM G JST-EH, B3B-EH-F1-TV4
PV01	23023094	JACK, PIN 1S6P SMK, LAP5120-0205FC
PV02	23365819	JACK, 1S3P
PV02	23023096	JACK, PIN 10P SMK, LAP5120-0401FC
PV05	23023095	JACK, PIN 8P SMK, LAP5120-0411FC
S601	23344456	SWITCH, SLIDE SK22F28G9A MORN
SA01	23145227	SWITCH, PUSH, 1C1P
SA02	23145227	SWITCH, PUSH, 1C1P
SA03	23145227	SWITCH, PUSH, 1C1P
SA04	23145227	SWITCH, PUSH, 1C1P
SA05	23145227	SWITCH, PUSH, 1C1P
SA06	23145227	SWITCH, PUSH, 1C1P
SA07	23145227	SWITCH, PUSH, 1C1P
SA08	23145227	SWITCH, PUSH, 1C1P
△ SR81	23146577	RELAY, DLS5D1-O(M)0.25W
△ SR83	23146564	RELAY, DC12V, TV5, DG-3

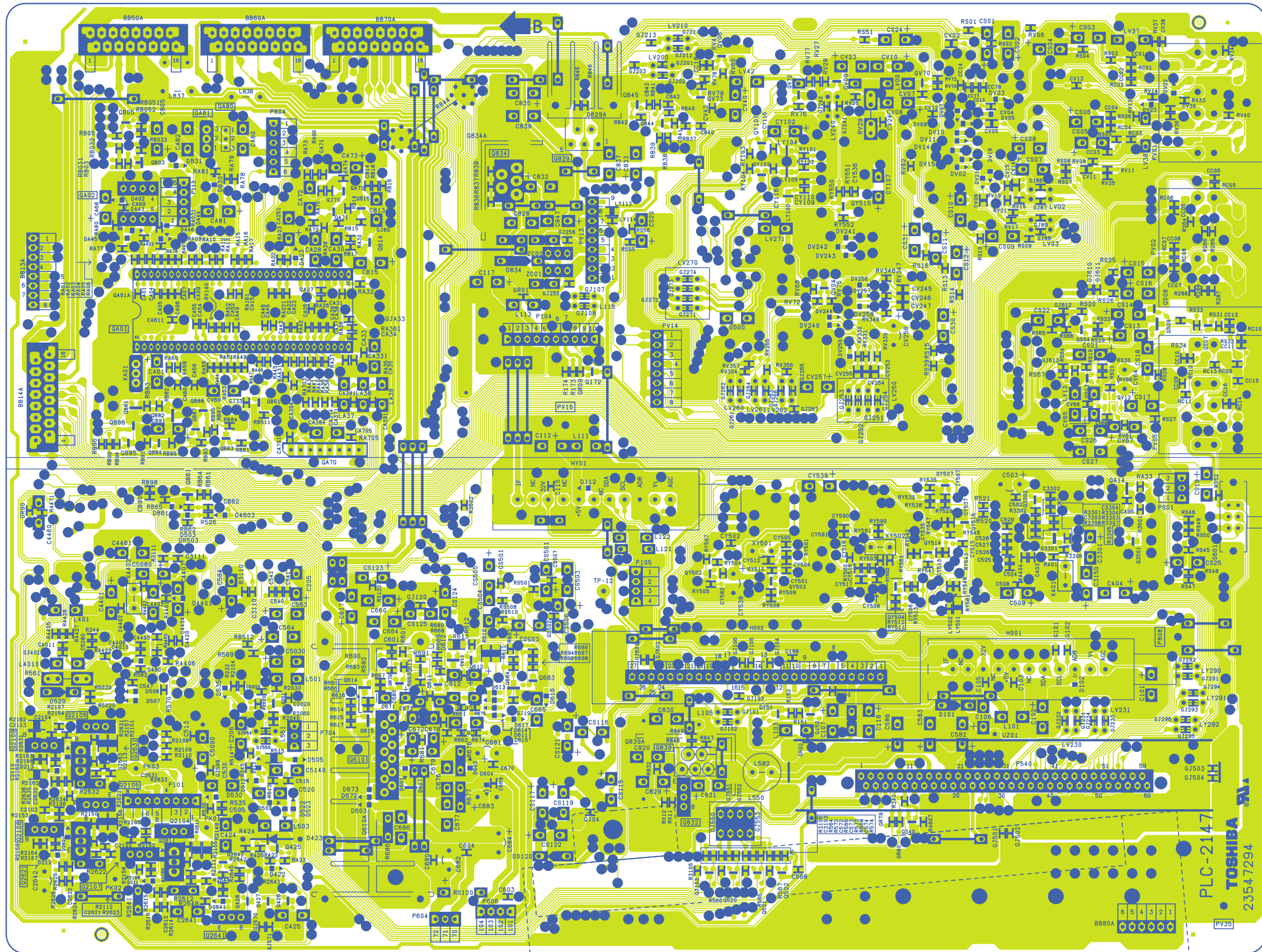
Location No.	Parts No.	Description
UZ01	23148052	SCAN CONVERTER MODUL, G.HYPER MVPU41
△ V901A	23903027	CRT SOCKET, 8P SMK CVT3251-0176 CVT3251-0176
W661	23351171	SPEAKER, SPK1416AT, 60X120 8-OHM 10W
W662	23351171	SPEAKER, SPK1416AT, 60X120 8-OHM 10W
W665	23351194	SPEAKER, SPK1392BO
X401	23153721	CERAMIC RESONATOR, 503KHZ, TCR1023
X4402	23153721	CERAMIC RESONATOR, 503KHZ, TCR1023
XA01	23153533	CERAMIC RESONATOR, CERA RESO, TCR1082AM
XV01	23153533	CERAMIC RESONATOR, CERA RESO, TCR1082AM
XY501	23153961	CRYSTAL, 3.58MHZ
XY502	23153721	CERAMIC RESONATOR, 503KHZ, TCR1023
Z301	23110850	RECTI BLOCK, TPA6032CH
Z401	23140203	SPARK GAP, 2.0-3.0KV C-010, AG20PC152F-L3N
ZI51	23303197	PIF SAW FILTER, TSF1248P TSF1248P
ZI52	23303271	FILTER, TRAP 4.5MHZ, TCF1138AM
ZI53	23303289	FILTER, TCF1141AM
ZI55	23303244	FILTER, CERAMIC TRAP, TCF1121AM
PC BOARD ASSEMBLIES		
* U801	23788581	POWER/D BOARD, PD1164B (32HFX73)
* U801	23788566	POWER/D BOARD, PD1164A (36HFX73)
* U802	23788567	AC IN BOARD, PD1165A
* U803	23788582	VERT BOARD, PD1172B (32HFX73)
* U803	23788573	VERT BOARD, PD1172A (36HFX73)
* U901	23788844	CRT-D/SVM BOARD, PD1089B
* U902	23788843	SIGNAL BOARD, PD1174B
* UA01	23788576	CONT-1 BOARD, PD1175A
* UA02	23788707	CONT-2 BOARD, PD1176B (32HFX73)
* UA02	23788577	CONT-2 BOARD, PD1176A (36HFX73)
* UA03	23761108	IF BOARD, PD1022C
* UV02	23788762	DVI BOARD, PD0647B
PICTURE TUBE		
△ V901	23312987	PICTURE TUBE, 32VP 2H TDDI, A80AJZ90X31 (32HFX73)
△ V901	23324046	PICTURE TUBE, ITC36VPF LH0.18, A90AJZ90X31 (36HFX73)
TUNER		
△ H001	23321470	TUNER, US181CH IIC PH 5V SANYO, ELA52LX4
△ HY01	23321470	TUNER, US181CH IIC PH 5V SANYO, ELA52LX4
ACCESSORIES		
△ K912	23306504	REMOCON HAND UNIT IR, CTVUSA, CT-90164
Y101	23566004	OWNER'S MANUAL, ENGLISH/FRENCH, 32HFX72/36HFX73
CABINET PARTS		
A005	23071323	OTHER BLOCK, CABI ASSY
A201	23530948	COVER, ASSY,FRONT COVER (32HFX73)
A201	23530934	COVER, F.COVER ASY (36HFX73)
A213	23428208	DOOR, DOOR,CIN,WOW
A214	23451976	PUSH CATCH, CLICK
A224	23445610	BUTTON, CONTROL BUTTON (32HFX73)
A224	23445728	BUTTON, CONTROL (36HFX73)
A411	23540031	COVER, BACK COVER PROPER (32HFX73)
A411	23540212	COVER, BACK COVER PROPER (36HFX73)

Location No.	Parts No.	Description
A701	23064254	CARTON, CARTON (32HFX73)
A701	23064768	CARTON, CARTON (36HFX73)
A703	23946056	PACKING, TOP PACKING (32HFX73)
A703	23946353	PACKING, TOP PACKING (36HFX73)
A708	23946057	PACKING, BOTTOM PACKING (32HFX73)
A708	23946354	PACKING, BOTTOM PACKING (36HFX73)

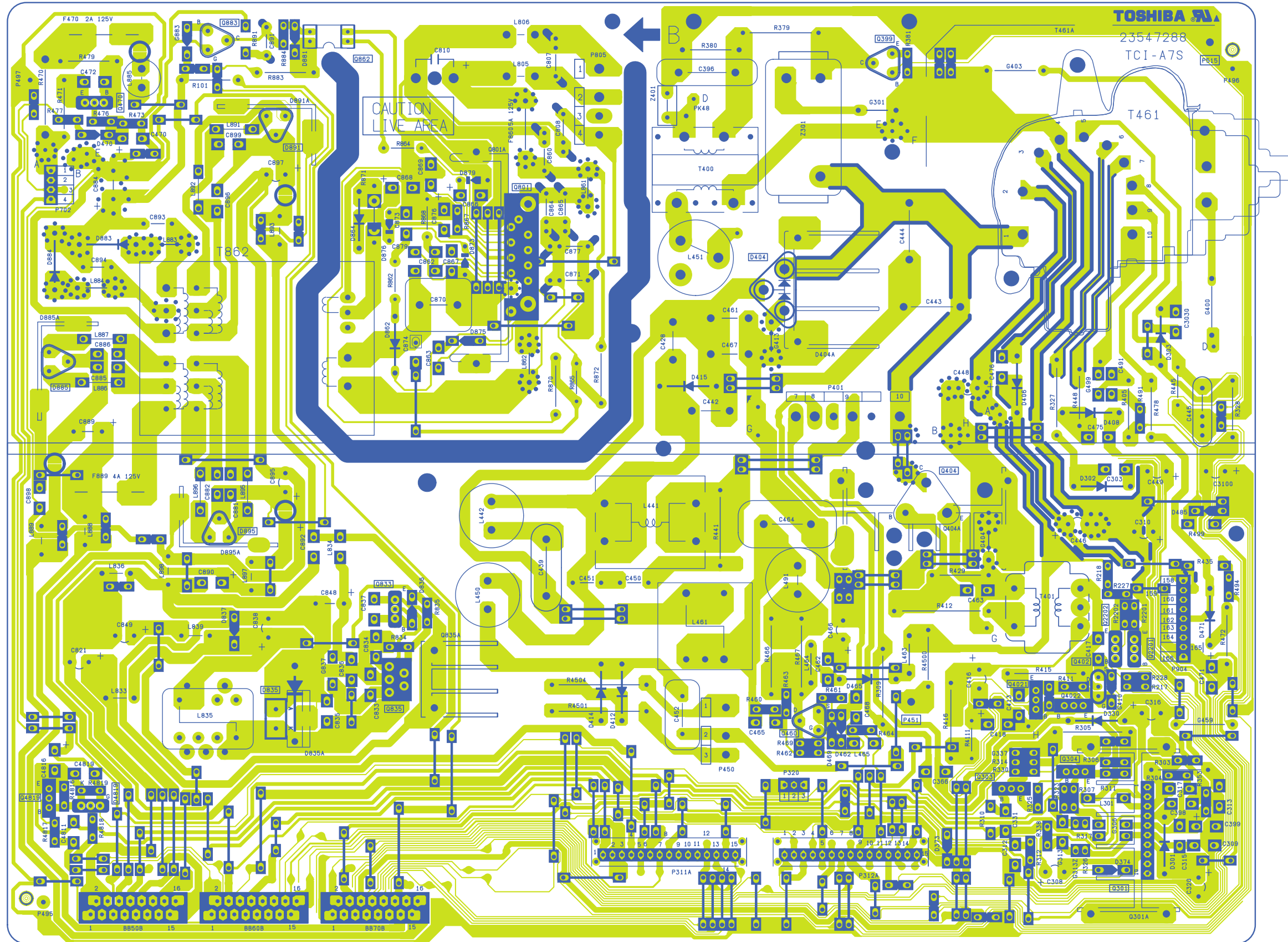
Location No.	Parts No.	Description
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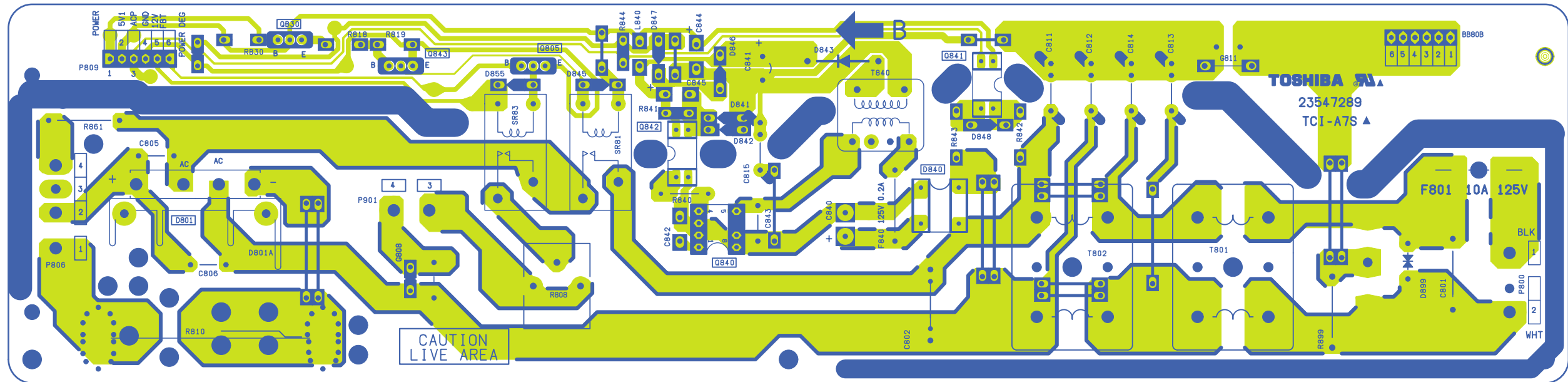
SIGNAL BOARD PD1174B
BOTTOM (FOIL) SIDE



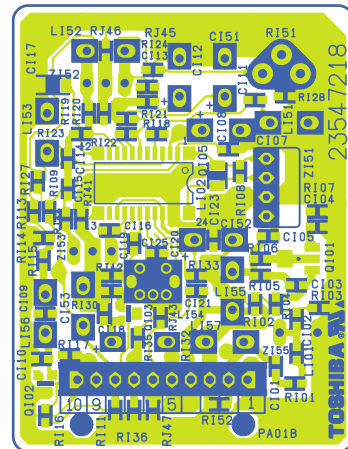
POWER/DEF BOARD PD1164
BOTTOM (FOIL) SIDE



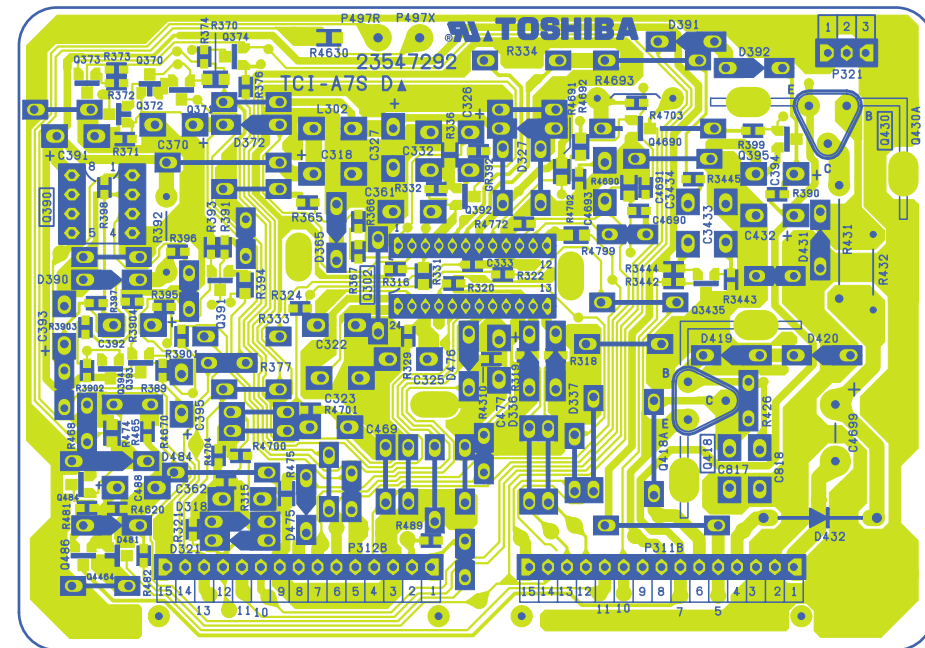
AC-IN BOARD PD1165A
BOTTOM (FOIL) SIDE



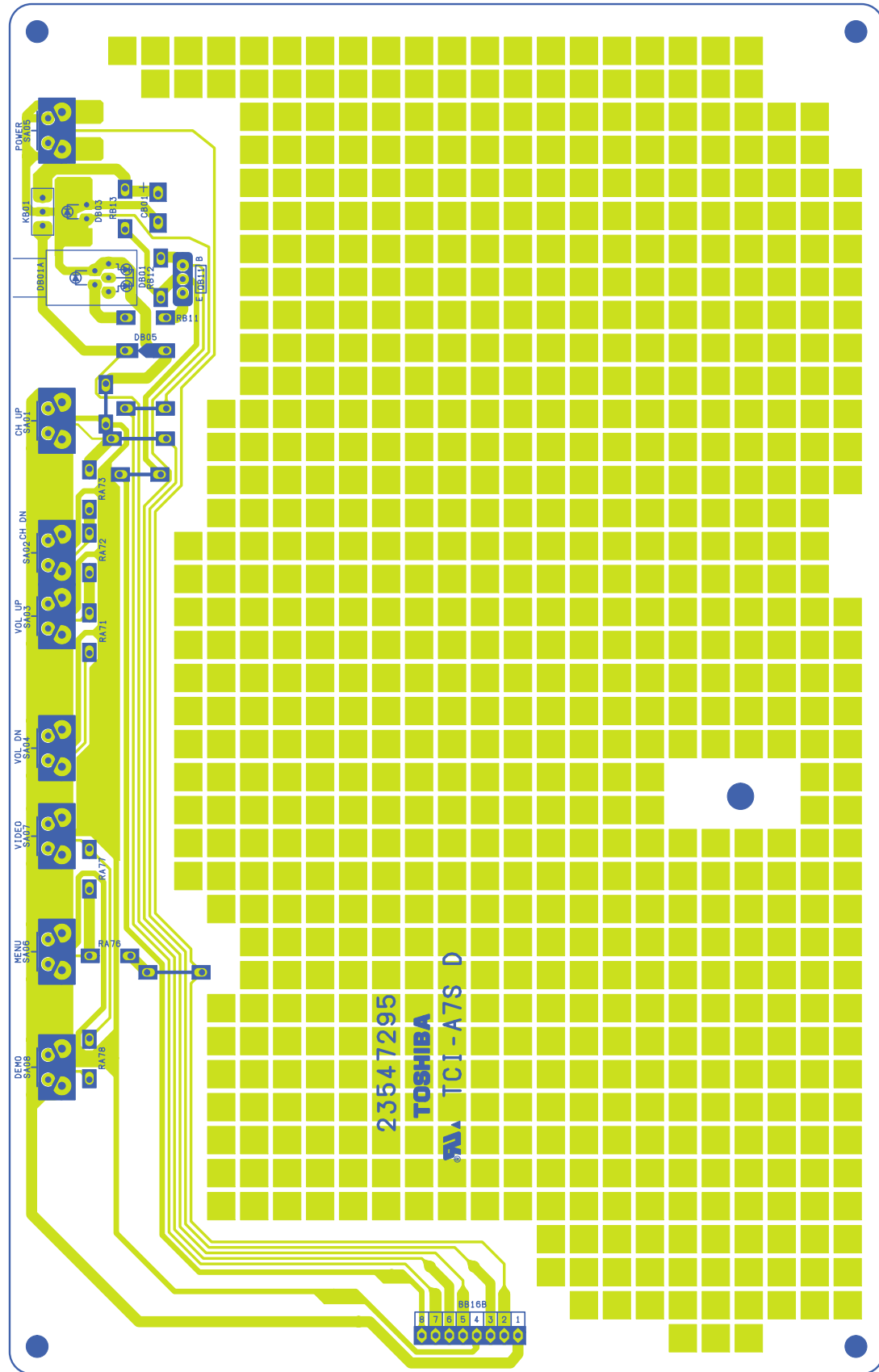
IF BOARD PD1022C
BOTTOM (FOIL) SIDE



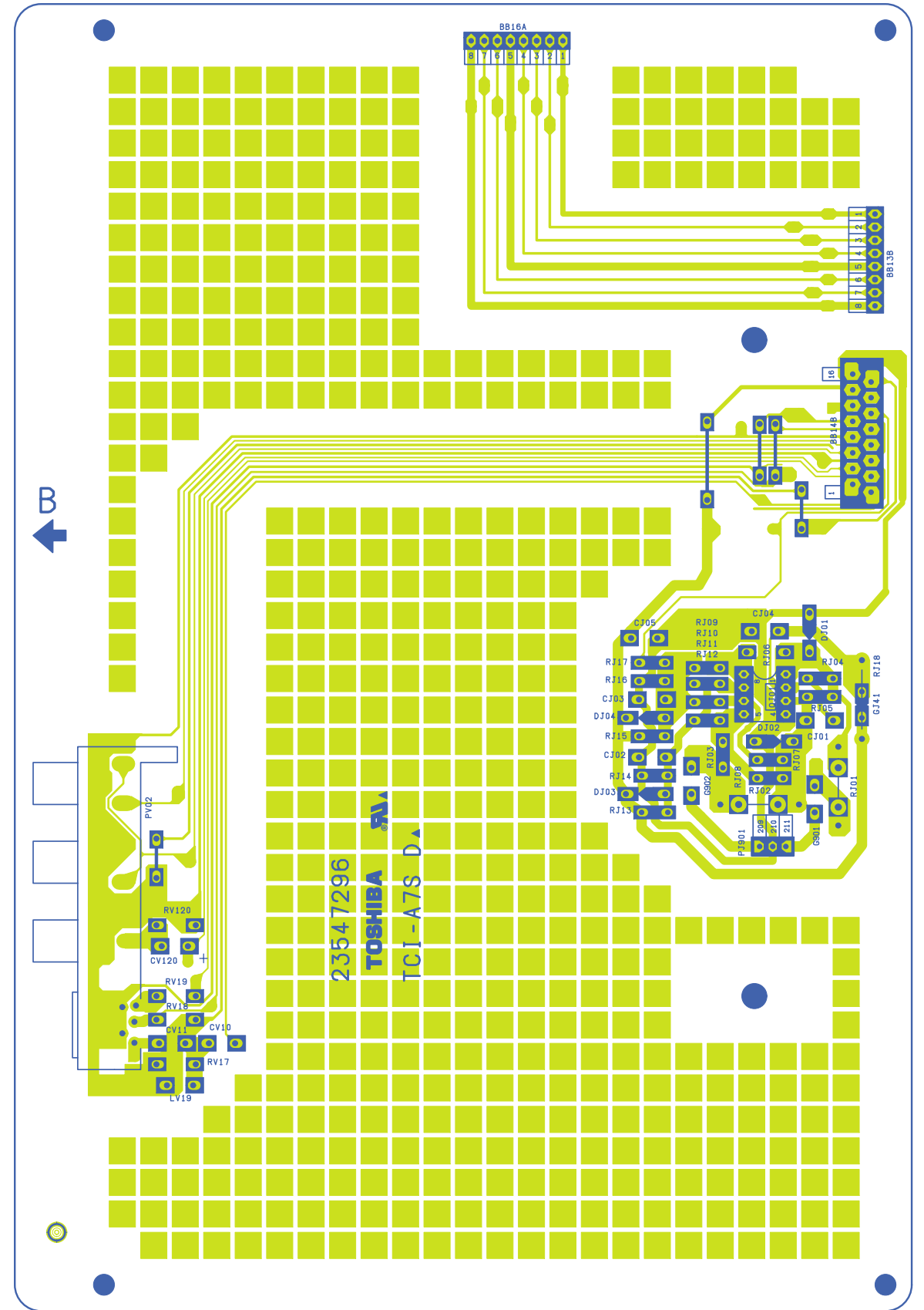
VERT BOARD PD1172
BOTTOM (FOIL) SIDE



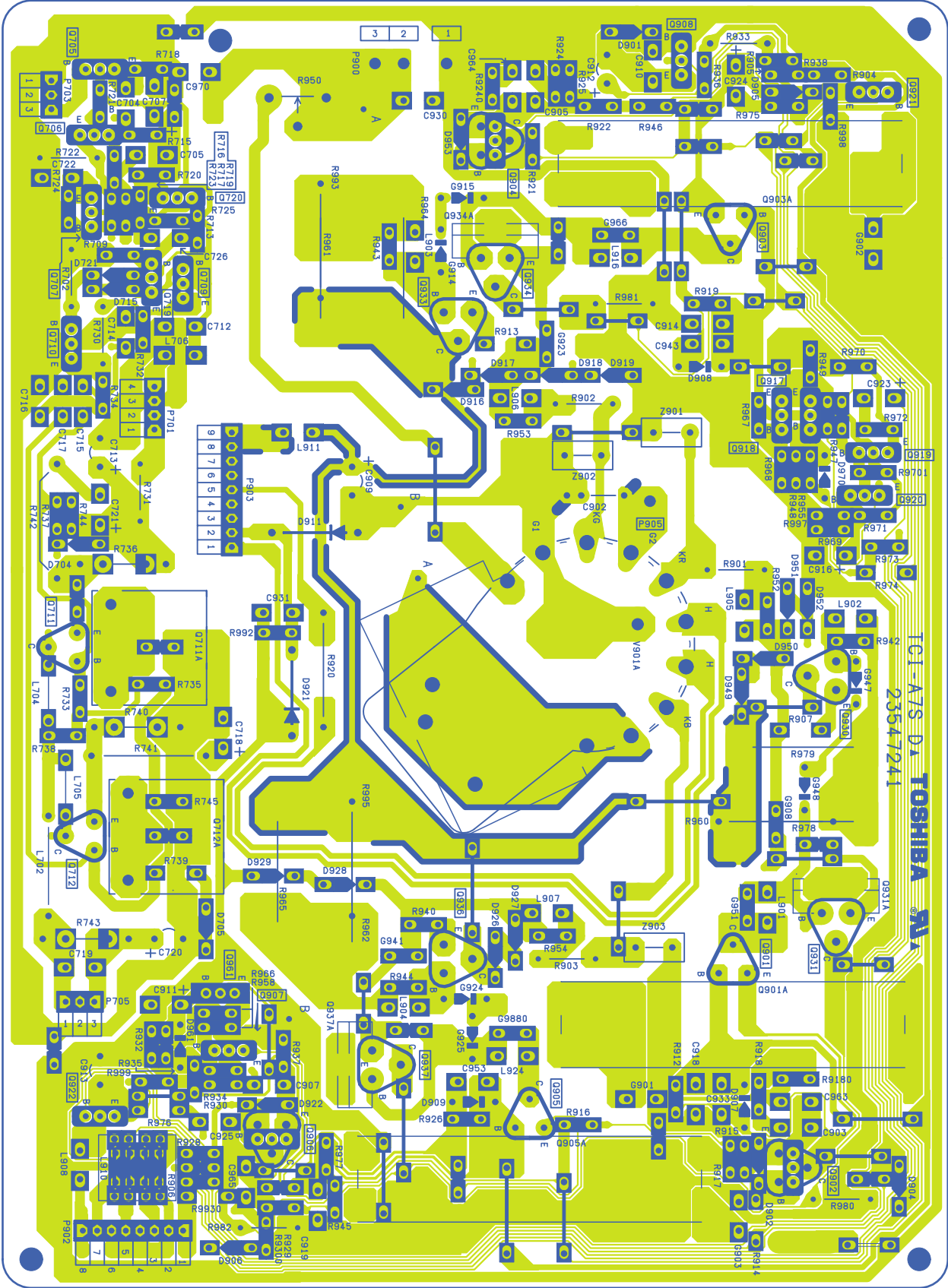
CONTROL-1 BOARD PD1175
 BOTTOM (FOIL) SIDE



CONTROL-2 BOARD PD1176
 BOTTOM (FOIL) SIDE

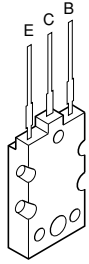


CRT-D/SVM BOARD PD1089B
BOTTOM (FOIL) SIDE

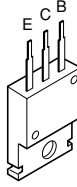


TERMINAL VIEW OF TRANSISTORS

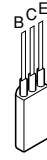
- ① 2SD2253
(old)
2SC5243



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



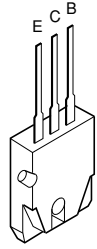
- ③ 2SC752GTM
2SC2482
2SC2655
2SC4721P



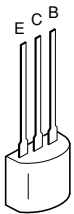
- ④ 2SC752
2SA562TM
2SA1015
2SC1815
2SC2878
2SC1740S
2SC2120
2SA9335



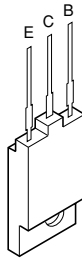
- ⑤ 2SA1788



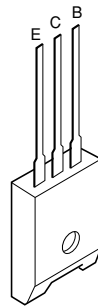
- ⑥ RN2203
RN2201
RN2004
RN1203
RN1204
RN2204
RN1205
RN1202
RN1201



- ⑦ 2SD1554
2SD2253
2SD1556
2SC5143
2SC5570
2SD2553



- ⑧ ON4409



SCHEMATIC DIAGRAM

MODEL : 32HFX73 / 36HFX73

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.

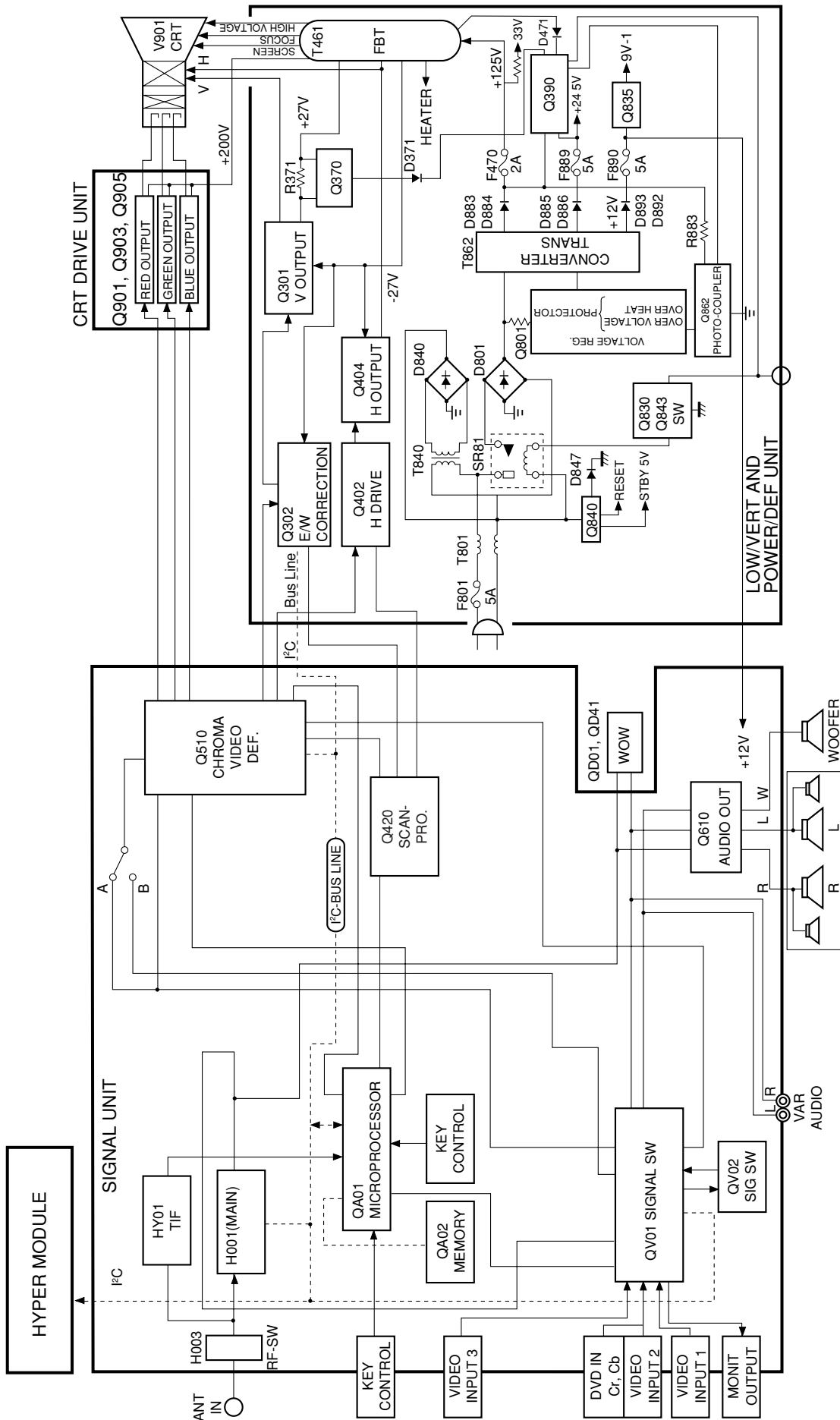
NOTE:

- 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.
 $\begin{array}{c} + \\ | \\ \text{---} \end{array} | \text{---}$ Electrolytic capacitor $\begin{array}{c} \text{---} \\ | \\ \text{---} \end{array} | \text{---}$ Mylar capacitor
- The parts indicated with " Δ " 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 120 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:

SIGNAL Circuit	Sheet Assignment	[SHEET - 1]	1/25
	AV-1	[SHEET - 2]	2/25
	AV-2	[SHEET - 3]	3/25
	PIP	[SHEET - 4]	4/25
	Maicon	[SHEET - 5]	5/25
	BEP	[SHEET - 7]	6/25
	BEP2	[SHEET - 8]	7/25
	LOWB-REG	[SHEET - 9]	8/25
	AUDIO OUT	[SHEET - 10]	9/25
	IF	[SHEET - 11]	10/25
	BANKAN	[SHEET - 98]	11/25
	BB CONNECTER	[SHEET - 99]	12/25
POWER / DEF Circuit	BANKAN	[SHEET - 1/6]	13/25
	H-DEF	[SHEET - 2/6]	14/25
	V-DEF	[SHEET - 3/6]	15/25
	MAIN-POWER	[SHEET - 4/6]	16/25
	SUB-POWER	[SHEET - 5/6]	17/25
	DQF / OPC / OTHER	[SHEET - 6/6]	18/25
CRT DRIVE / SVM Circuit	CRT DRIVE	[SHEET - 1/2]	19/25
	SVM	[SHEET - 2/2]	20/25
VERTICAL Circuit			21/25
AC INPUT Circuit			22/25
IF Circuit			23/25
CONTROL-1 Circuit			24/25
CONTROL-2 Circuit			25/25

CIRCUIT BLOCK DIAGRAM



SPECIFICATIONS

<p>Television System NTSC standard</p> <p>Channel Coverage VHF: 2 through 13 UHF: 14 through 69 Cable TV: Mid band (A-8 through A-1, A through I) Super band (J through W) Hyper band (AA through ZZ, AAA, BBB) Ultra band (65 through 94, 100 through 125)</p> <p>Power Source 120 V AC, 60 Hz</p> <p>Power Consumption 32HFX73: xxx W (average) 36HFX73: xxx W (average)</p> <p>Audio Power Main: 10 W + 10 W Sub-woofer: 13 W</p> <p>Speaker Type Main: Two 2-3/8 inches (60 x 120 mm) Sub-woofer: One 4 inches (100 mm) round</p> <p>Video/Audio Terminals S-VIDEO INPUT Y : 1 V(p-p), 75 ohm, negative sync. C : 0.286 V(p-p) (burst signal), 75 ohm VIDEO/AUDIO INPUT VIDEO: 1 V(p-p), 75 ohm, negative sync. AUDIO: 150 mV(rms) (30% modulation equivalent, 47 k ohm) ColorStream® (component video) INPUT Y : 1V(p-p), 75 ohm Pr: 0.7 V(p-p), 75 ohm Pb: 0.7 V(p-p), 75 ohm AUDIO: 150 mV(rms), 47 k ohm VIDEO/AUDIO OUTPUT VIDEO: 1 V(p-p), 75 ohm, negative sync. AUDIO: 150 mV(rms) (30% modulation equivalent, 4.7 k ohm) VARIABLE AUDIO OUTPUT 0–300 mV(rms) (30% modulation equivalent, 4.7 k ohm) AUDIO CENTER CHANNEL INPUT 300 mV(rms) (30% modulation equivalent, 10k ohm) DVI/HDCP INPUT HDCP compliant E-EDID* 1.3 compliant DVI-D uncompressed, high-speed, digital single-link connection Suggested scan rates: 1080i, 480p, 480i</p>	<p>Dimensions 32HFX73: Width 34-1/2 inches (875 mm) Height 26-3/8 inches (670 mm) Depth 22-5/8 inches (575 mm) 36HFX73: Width 38-1/4 inches (972 mm) Height 29-5/8 inches (753 mm) Depth 24-1/4 inches (615 mm)</p> <p>Mass 32HFX73: 151.0 lbs (67 kg) 36HFX73: 203.0 lbs (97 kg)</p> <p>Supplied Accessories Remote Control with 2 size “AA” alkaline batteries</p> <p>Optional Stand 32HFX73: ST3263 36HFX73: ST3663</p> <p>Design and specifications are subject to change without notice.</p> <p>* E-EDID = Enhanced-Extended Display Identification</p>
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* Please refer to owner's manual in detail.

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