

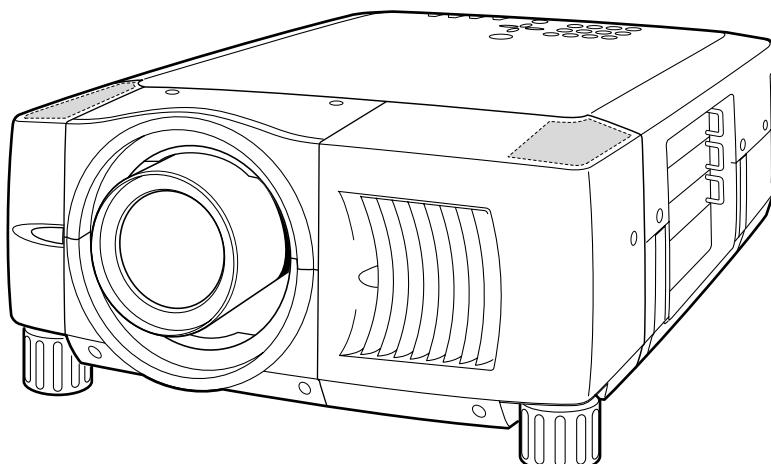
FILE NO.

MODEL NO.**PLC-XF31** (Projection lens is optional.)
Canada, Europe, Asia, Africa, M.E., U.K.**PLC-XF31N**

U.S.A., Canada

PLC-XF31NL (Projection lens is optional.)

U.S.A.

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Original version

**Chassis No. MD7-XF3100
MD7-XF31N00
MD7-XF31NL00**

NOTE: Match the Chassis No. on the rating sheet on the cabinet with the Chassis No. in the Service Manual.

If the Original Version Service Manual Chassis No. does not match the unit's, additional Service Literature is required. You must refer to "Notices" to the Original Service Manual prior to servicing the unit.

Give complete "CHASSIS NO." for parts order or servicing, it is shown on the rating sheet on the cabinet of the Projector.

PRODUCT CODE :

PLC-XF31	MD7A	1 122 191 00	U.S.A. , Canada
PLC-XF31	PD7A	1 122 192 00	Continental Europe, Asia, Africa, M.E.
PLC-XF31	PD7C	1 122 192 02	U.K.
PLC-XF31N	MD7AA	1 122 191 20	U.S.A. , Canada
PLC-XF31NL	MD7AL	1 122 191 30	U.S.A. , Canada

TECHNICAL SPECIFICATIONS

Projector Type	Multi-media Projector
Net Weight	46.3 lbs (21 kg) Model PLC-XF31/XF31NL, 49.7 lbs (22.5 kg) Model PLC-XF31N
LCD Panel System	1.8" TFT Active Matrix type, 3 panels
Panel Resolution	1024 x 768 dots
Number of Pixels	2,359,296 (1024 x 768 x 3 panels)
Color System	PAL, SECAM, NTSC, NTSC4.43, PAL-M and PAL-N
High Definition TV Signal	480i, 480p, 575i, 575p, 720p, 1035i, 1080i-50 and 1080i-60
Motorized Lens Shift	Up and Down
Scanning Frequency	H-sync. 15 ~ 120 KHz, V-sync. 50 ~ 120 Hz
Horizontal Resolution	800 TV lines
Projection Lamp	200 watt type x 2
Input 1 Jacks	DVI-I Terminal (Digital/Analog), RCA Type (Audio R and L) and DIN 8-pin (Control port)
Input 2 Jacks	BNC Type x 5 (R/Pr, G/Y, B/Pb, H/HV and V), RCA Type (Audio R and L) and DIN 8-pin (Control port)
Input 3 Jacks	BNC Type x 2 (VIDEO/Y, C), RCA Type (Audio R and L) and DIN 4-pin (S-Video)
Other Jacks	Serial port in (DB 9), Serial port out (DB 9), USB port, Audio Monitor out (RCA Type R and L) and Wired Remote Jack
Built-in Speakers	INT. SP. Stereo (R and L), 3 watt RMS (T.H.D. 10%)
Feet Adjustment	0° to 6.9°
Voltage and Power Consumption	AC 100 ~ 120 V (7.8 A Max. Ampere), 50 / 60 Hz AC 200 ~ 240 V (3.3 A Max. Ampere), 50 / 60 Hz
Operating Temperature	41 °F ~ 95 °F (5 °C ~ 35 °C)
Storage Temperature	14 °F ~ 140 °F (-10 °C ~ 60 °C)
Remote Control Transmitter	Power Source : AA, UM3 or R06 Type x 2 Operating Range : 16.4' (5m) / ±30° Dimensions : 2.2" x 1.3" x 7.6" (55mm x 34mm x 192mm) Net Weight : 0.36 lbs (165 g) (including batteries) Laser Pointer : Class II Laser (Max. Output : 1mW / Wave length : 650±20nm)
Accessories	Owner's Manual AC Power Cord Wireless/Wired Remote Control Transmitter and Batteries Remote Control Cable VGA Cable and DVI Cable MAC/VGA Adapter and DVI/VGA Adapter 3 Types Control Cable (For PS/2, Serial and ADB port) 3 Types Light-Block Sheet (For option lens) 2 Types Lens Attachment (For option lens) Protective Dust Cover

- Specifications are subject to change without notice.
- LCD panels are manufactured to the highest possible standards. At least 99.99% of the pixels are effective, however a tiny fraction of the pixels (0.01% or less) may be ineffective by the characteristics of the LCD panels.



Safety Instructions

For continued product safety and protection of personnel injury, servicing should be made with qualified personnel.



Risk of electric shock

**Assembly power,
Assembly PFC,
Assembly lamp ballast and
Assembly lamp are
'HOT'.**

The signal circuit and control circuit of this projector are insulated (COLD) from AC line by the insulation transformer inside the projector. But, assembly power, assembly PFC, assembly lamp ballast and assembly lamp are **not insulated** from AC line, and those are "**HOT**".

HOT CIRCUIT IS IDENTIFIED WITH THE LINE () IN THE SCHEMATIC DIAGRAM.

An insulation transformer should be connected in the power line between the projector and the AC line before the service of hot circuit is performed on the projector.



Laser Beam

Do not attempt to servicing the remote control unit. Laser beam may be leaked out when in disassemble the unit. As the laser beam used in this remote control unit is harmful to the eyes.

NOTE; Laser radiation

Max output ; **1mW**
Wave length ; **650 ± 20nm**
Class II laser product



Cooling Fan

Observance : Attachment direction

The cooling fan's attachment direction is the important matter for maintaining the safety of a product. If the attachment direction is mistaken, it will become the cause which the inside of the projector is unusually overheated and a fire or parts damage.



Safety significant parts

Observance : Designated part

Product safety should be considered when a component replacement is made in any area of the projector. Components indicated by mark () in the parts list and the schematic diagram designate components in which safety can be of special significance. It is, therefore, particularly recommended that the replacement of the parts must be made by exactly the same parts.



Light source lamp

Caution : UV and Strong light

Don't view directly the light emitted from the lamp with which this projector is equipped. The emitted light is very strong and the ultraviolet ray is also included. Protect the eyes and the skin from the ultraviolet ray and strong light in the case of the disassembly repair.

Caution : High voltage

When turning on the lamp, the high voltage (20Kv~25Kv) is impressed to electrode of the lamp. Be careful not to receive an electric shock in the case of the disassembly repair near the lamp.

Caution : Hot circuit

The lamp of this projector is not insulated from AC line and it is hot. Be careful not to receive an electric shock in the case of the disassembly repair near the lamp. (Refer to the protections on page-4 along with this caution.)

Caution : High temperature

The lamp and its neighborhood are high temperature during lamp lighting. The hot state continues for the time being, after turning off the lamp. Be careful not to receive the scald in the case of the disassembly repair near the lamp. After turning off the lamp and leaving it for at least 45 minutes (Natural cooling), we recommend performing repair of the lamp or its neighborhood.

Caution : BURST

When it continues using further the lamp over which the use term passed, it may cause the burst of the lamp. If it should burst, there is a possibility that the fragments of glass are scattered on the inside of a projector. In the case of disassembly repair, replace the lamp after cleaning, if they are scattered about.

Caution : Mercury gas

Mercury is contained inside the light bulb of the lamp. If the lamp should burst, open a window and a door and ventilate the room.



Other

Observance : Obstacle

Don't put an obstacle near the air intake or exhaust vent of the projector in the case of repair. Air blown from an exhaust vent is hot. If a spray can and metal tools are placed near an exhaust vent, it is overheated and dangerous. And, if the air intake or exhaust vent are blocked, the inside of the projector is overheated and dangerous.

Observance : Cation label

Comply with all caution and safety-related notes provided on the cabinet back, cabinet bottom, inside the cabinet or on the chassis.

Observance : After disassembly repair

When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as control knobs, adjustment covers or shields, barriers, etc. Do not operate this projector without the protective shield in position and properly secured. Before replacing the cabinet cover, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside.

Protections

This projector is equipped with the following protections to operate in safety.

□ Fuse for circuit protection

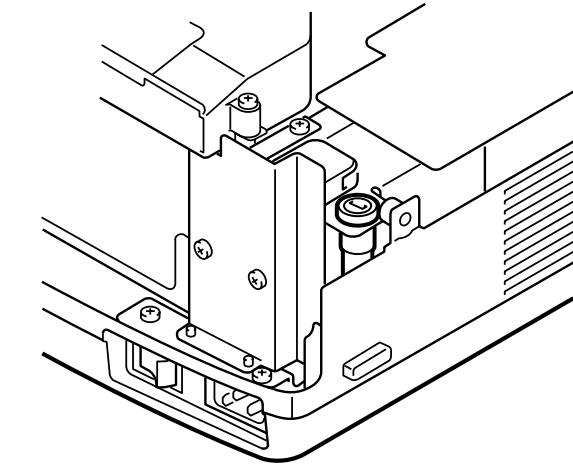
The fuse is located in the rear inside a projector. (Refer to figure.) When either the LAMP indicator or the READY indicator is not illuminated, fuse may be opened. Check the fuse as following steps.

1. Remove the Cabinet-top following to "Mechanical Disassemblies".
2. Remove the fuse from fuse holder.
To install the fuse, take reversed step in the above.
3. Check the fuse using a tester.

⚠ Fuse is safety significant part.

It should be used the specified fuse as follows;

Fuse Part No. : 423 027 2602
TYPE T10AH250V FUSE
LITTLEFUSE INC. TYPE 215010



MY6A

ATTENTION: POUR MAINTENIR LA PROTECTION CONTRE LES RISQUES D'INCENDIE.
N'UTILISER QUE DES FUSIBLES DE RECHANGE
CALIBRES A T10AH250V. (LITTLEFUSE INC TYPE 215010)

MY6A

□ Protection equipment for users

Electric shock protection. (Interlock switch)

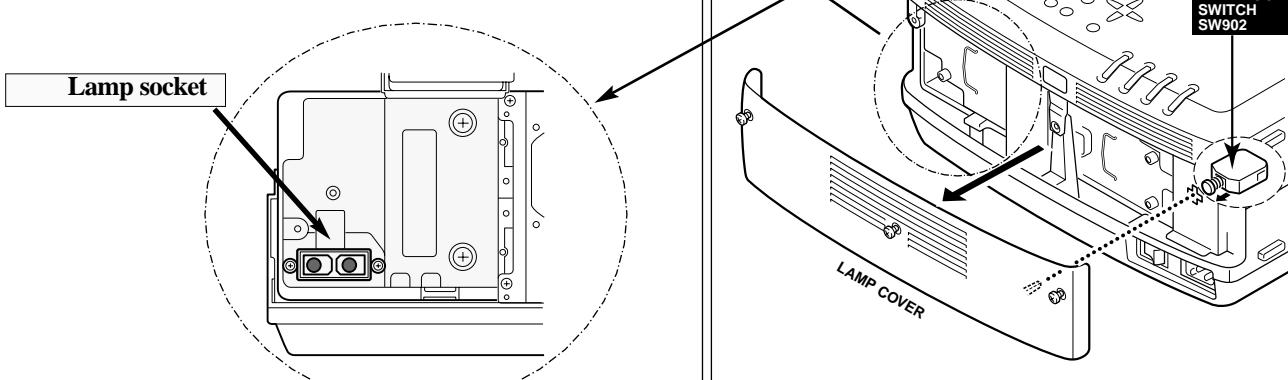
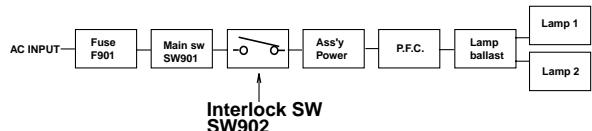
■ Protection equipment for lamp replacement :

The Lamp circuit (the lamp and the electrode of the lamp socket) of this projector is **not insulated** from AC line, and it is "**HOT**." Therefore, when replacing lamp assembly, an electric shock may be received. However, the interlock switch (SW902) is designed so that it may protect from the accident.

■ This switch(SW902) insulates a lamp circuit from AC line, when lamp cover is removed.
(The lamp circuit changes to "**COLD**.")

■ The note for service-personnel :

Push in and hold the lever of the interlock switch when the projector turns on by state of no cabinet.



The temperature monitor system is provided to prevent damage of optical components (the LCD panel and polarization film etc.) inside a projector from overheat. Two protection systems are provided. Each system operation as follows ;

----- The temperature monitor -1: -----

■ To control the air-flow of the cooling fans.

The CPU checks the temperature and atmospheric pressure inside a projector. It checks a temperature using temperature sensor-IC5801 and it checks an atmospheric pressure using pressure sensor-IC886. CPU judges data from sensors and controls the air flow of the cooling fans so the temperature inside the projector is maintained to normal temperature.

■ To shut down the projector urgent.

The CPU checks temperature of Red-LCD panel periphery (IC2541) and inhalation air(IC5801). If each part temperature reaches to abnormal temperature(IC2541 : 47degrees / IC5801 : 42degrees), the CPU will turn off a projector, and will blink TEMPERATURE WARNING indicator at intervals of 0.6 seconds. Cooling fans operate until temperature returns to normal. Indicator will stop blink if temperature returns to normal. Trace the cause of an unusual temperature, and repair the projector. (Refer to the item of "temperature abnormality" of troubleshooting.)

D7/E7

----- The temperature monitor -2 : -----

■ Temperature check of lamps.

Temperature switches (SW 903~904) are arranged near the two lamps.

Temperature switches will operate, if temperature reaches 90~100 degrees.

SW904 (Lamp-1)---- It operates at 90 degrees.

SW903 (Lamp-2)---- It operates at 100 degrees.

When temperature switches have operated, lamp ballast units will be shut down, then a projector will be turned off.

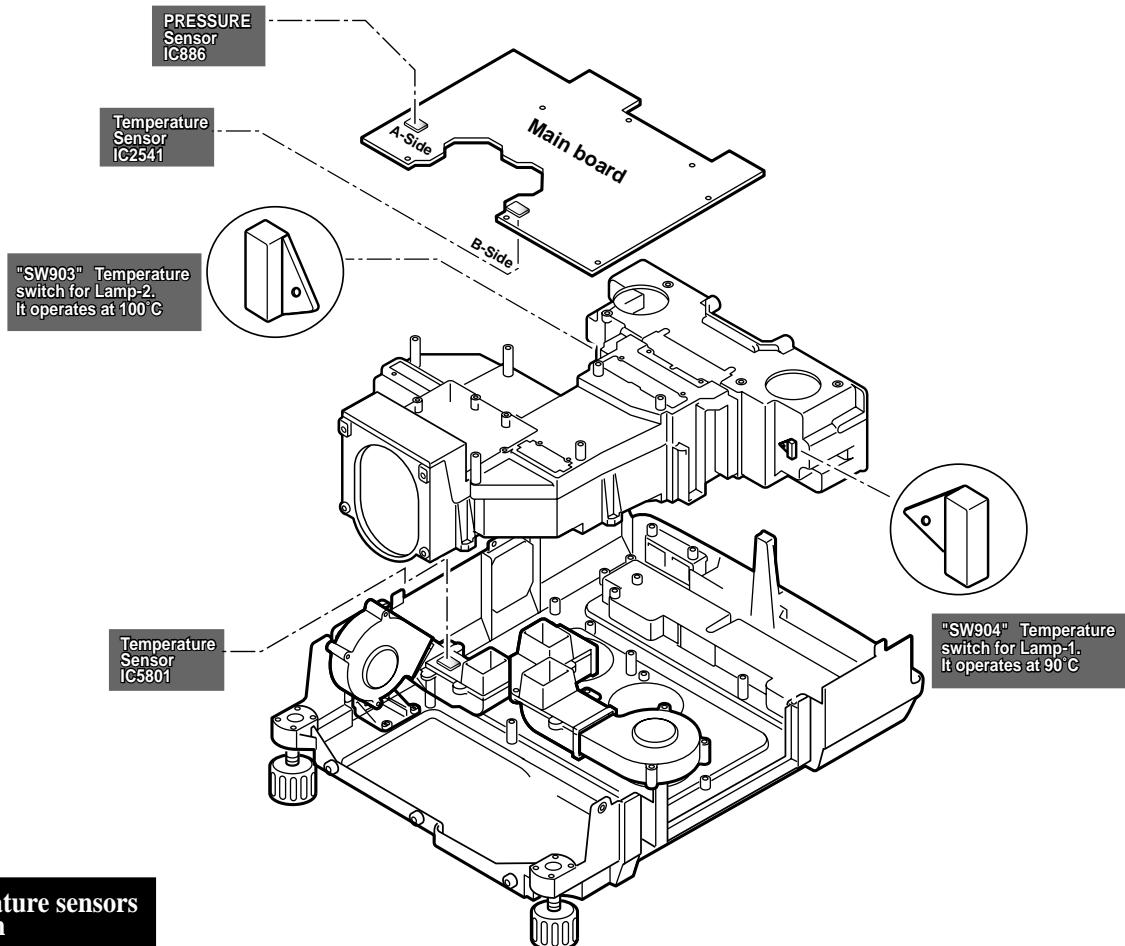
■ Note;

(1) If other protection equipments (The function of fan operation check, The function of voltage check "Power-failure" and Temperature monitor 1) are rightly operating, the lamp does not become an unusual temperature. So, the temperature monitor 2 rarely operates. However, when those protection equipments do not operate with fault, the temperature monitor 2 operates and the broken protection equipment is covered. If this temperature monitor 2 operates, it is thought fault of other protection equipments. Also trace the cause of fault of other protection equipments with the cause of an unusual temperature.
(Refer to the item of " temperature abnormality" of troubleshooting.)

(2) The CPU does not check operation of temperature switches. Therefore, when temperature switches have operated and a projector has shut down, TEMPERATURE-WARNING indicator does not blink.

D7/E7

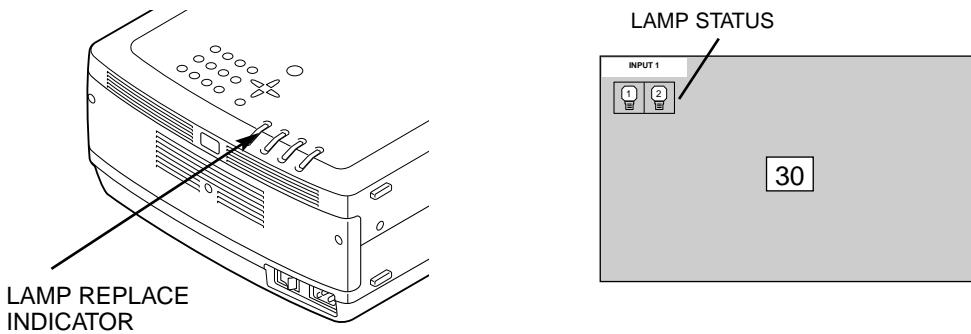
Temperature sensors
location



LAMP REPLACEMENT

Before Replacement

This Projector is equipped with 2 Projection Lamps to ensure brighter image and those lamps are controlled by Lamp Management Function. Lamp Management Function detects status of two lamps and shows status on screen or on LAMP REPLACE indicator. This function also automatically controls Lamp Mode when any of lamps is out for end of life or malfunctions.

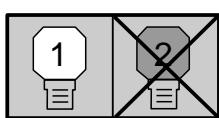


Lamp Replace Indicator

This LAMP REPLACE indicator lights yellow when any of Projection Lamps is nearing its end, and flashes when any of them becomes out. Check number of lamp on Lamp Status Display and replace lamp.

Lamp Status Display

Lamp Status Display appears on screen when power switch is on or changed input position (input 1, input 2 or input 3). This shows status of each lamp as; ON, OFF, NEAR END, or OUT. Refer to following for each status.



LAMP STATUS
DISPLAY

Yellow Lamp ----- Projection Lamp lights normally.

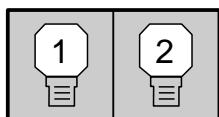
Dim Lamp ----- Projection Lamp is turned off.

Red Lamp ----- Projection Lamp is nearing its end. When image becomes darker or color becomes unnatural, replace lamp.
(LAMP REPLACE indicator lights yellow.)

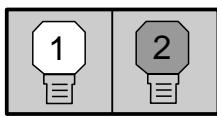
X Mark on Lamp ----- (LAMP REPLACE indicator flashes yellow.)
Projection lamp is defective or fails to be turned on. Restart a projector on, and make sure lamp is on. If this mark still appears, replace lamp corresponding with number marked X.

Lamp Mode Changeover

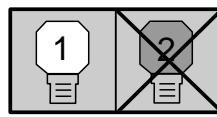
Lamp Management Function automatically changes combination of lighting lamp (Lamp Mode) by detecting status of lamp. When any of 2 lamps becomes out, Lamp Mode is changed over from 2 lamps to 1 lamp. Lamp Mode can be switched to 2 lamps or 1 lamp manually. Refer to SETTING section on page 39, 40 of Owner's manual.



2 LAMP MODE



1 LAMP MODE
(Example)



Lamp Replacement



SAFETY INSTRUCTIONS ABOUT THE LAMP REPLACEMENT.

Furthermore, refer to "Light source lamp" of Safety instructions on page-3 along with this caution.

Observance : DESIGNATED PART

Lamp assembly is safety significant parts. For continued safety, replace for the following lamp assembly.

Lamp Type No.: POA-LMP39
Service Parts No.: 610 292 4848

Caution : BURST

When it continues using further the lamp over which the use term passed, it may cause the burst of the lamp. If it should burst, there is a possibility that the fragments of glass are scattered on the inside of a projector. In the case of disassembly repair, replace the lamp after cleaning, if they are scattered about.

Caution : BURST

Do not reset LAMP REPLACEMENT COUNTER when lamp is not replaced.

Failure to observe this caution, as a result, it will become to continue using further the lamp over which the use term passed. It may cause the burst of the lamp.

Caution : BURST

Don't mistake the lamp number to replace in the case of lamp replacement. Failure to observe this caution, as a result, it may become to continue using further the lamp over which the use term passed. It may cause the burst of the lamp.

CAUTION : MALFUNCTION OR FIRE HAZARD

Don't operate a projector while any of lamps is removed. It may result in malfunctions, fire hazard, or other accidents.

Caution : HIGH TEMPERATURE

The lamp and its neighborhood are high temperature during lamp lighting. The hot state continues for the time being, after turning off the lamp. Be careful not to receive the scald in the case of the disassembly repair near the lamp. After turning off the lamp and leaving it for at least 45 minutes (Natural cooling), we recommend performing replacement of the lamp.

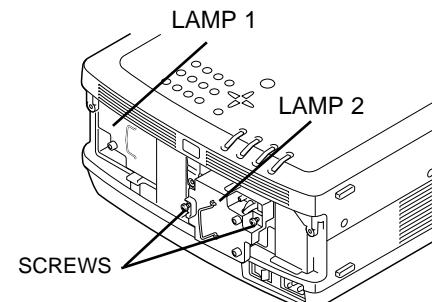
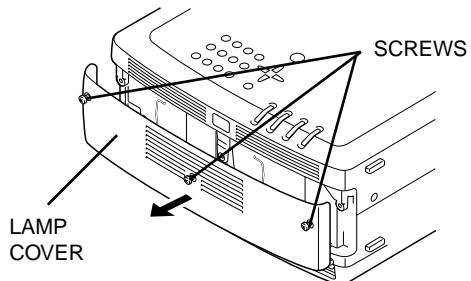
Caution : HANDLE WITH CARE !

Do not drop a lamp assembly or touch a glass bulb! Glass can shatter and may cause injury.

D7/E7

Follow these steps to replace lamp assembly.

- 1** Check number of lamp to be replaced on Lamp Status Display.
- 2** Turn off a projector and disconnect AC Power Cord. Allow a projector to cool for at least 45 minutes.
- 3** Loosen 3 screws on Lamp Cover and remove Lamp Cover. (See right figure.)
- 4** Loosen 2 screws and pull out Lamp Assembly to be replaced by grasping handle.
- 5** Replace Lamp Assembly with a new one and tighten 2 screws. Make sure that Lamp Assembly is set properly
- 6** Replace Lamp Cover and tighten 3 screws.
- 7** Connect AC Power Cord to a projector and turn projector on.
- 8** Reset Lamp Replacement Counter. (Refer to section "Lamp Counter Reset".)
(Do not reset LAMP REPLACEMENT COUNTER when lamp is not replaced.)



Make sure which number of lamp needs to be replaced on Lamp Status Display.
Figure shows case of replacing LAMP 2.

NOTES ON LAMP REPLACEMENT

To maintain quality of picture (better balance of color and brightness in entire screen), we recommend replacing all 2 lamps at a time.



Lamp counter reset

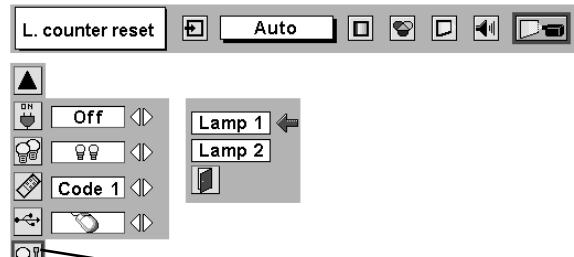
Be sure to reset Lamp Counter when Lamp Assembly is replaced. When Lamp Replace Counter is reset, LAMP REPLACE indicator stops lighting.

- 1 Turn projector on, press MENU button and ON-SCREEN MENU will appear. Press POINT LEFT/RIGHT button(s) to move a red frame pointer to SETTING Menu icon.
- 2 Press POINT DOWN button to move a red frame pointer to "Lamp counter reset" and then press SELECT button.
- 3 Move arrow to replaced lamp number (Lamp 1 or Lamp 2) and then press SELECT button. Message "Lamp replace counter Reset?" is displayed. Move pointer to [Yes] and then press SELECT button.
NOTE: Be sure to reset correct lamp number otherwise LAMP REPLACE indicator continues lighting.
- 4 Another confirmation dialog box appears and select [Yes] to reset Lamp Replace Counter.

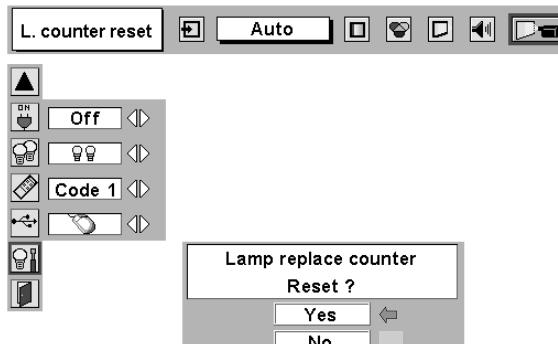
Caution : BURST

Do not reset LAMP REPLACEMENT COUNTER when lamp is not replaced.

Failure to observe this caution ; the lamp may explode.

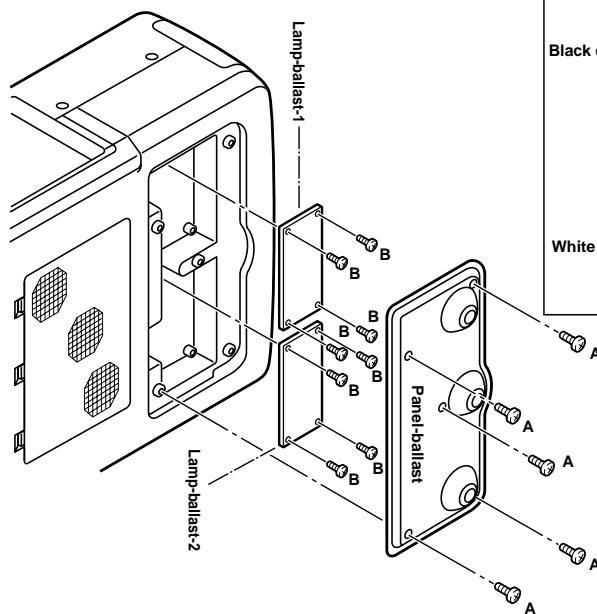


Move pointer to Lamp counter reset and then press SELECT button. Move arrow to replaced lamp number (Lamp 1 or Lamp 2) and then press SELECT button.



Message "Lamp replace counter Reset?" is displayed. Move pointer to [Yes] and then press SELECT button.

Mechanical disassemblies

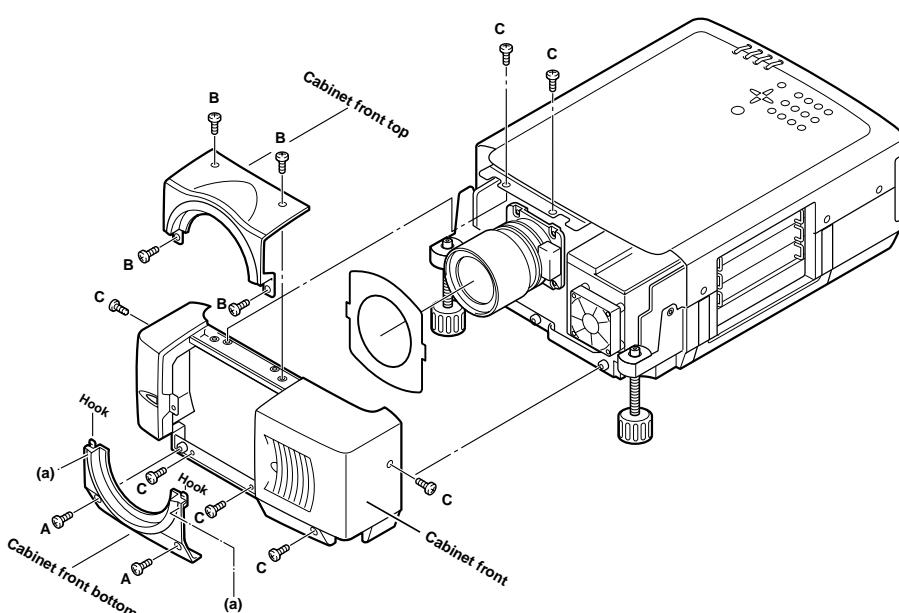


1. Panel ballast and Lamp ballast Assemblies removal.

1. Remove 5 screws A and remove the Panel ballast.
2. Remove the connectors. Remove 8 screws B and remove the 2 Lamp ballast assemblies.

Note :

When you re-connect the connector of lamp ballast assembly, be careful not to mistake. Refer to the figure-(a).



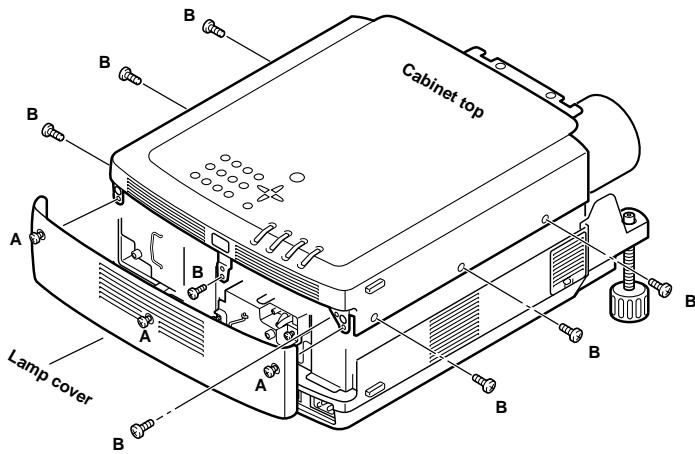
2. Cabinet front bottom, Cabinet front top and Cabinet front removal.

Note : BE CAREFUL NOT TO DAMAGE HOOK.

The cabinet front top and cabinet front bottom are being fixed with the hook.

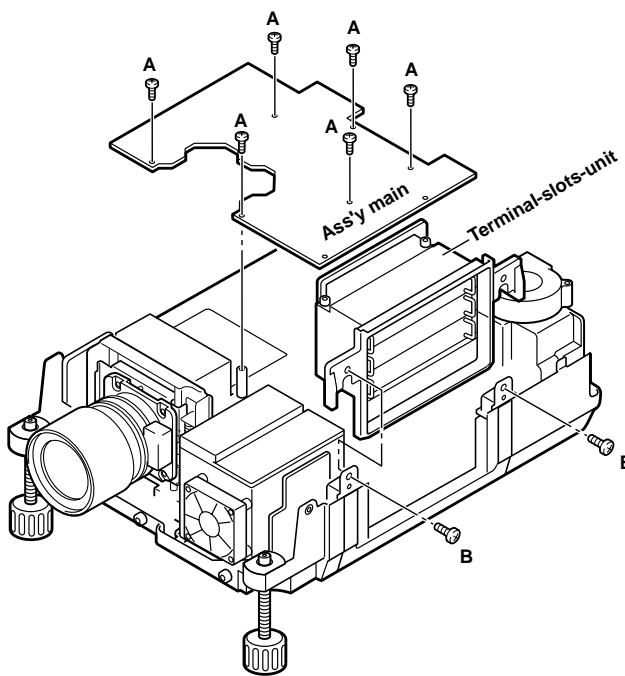
1. Remove 2 screws-A. Push part(a) and pull the Cabinet-front-bottom down.
2. Remove 4 screws B and remove the Cabinet front top.
3. Remove 7 screws C and remove the Cabinet front.

3. Lamp cover and cabinet top removal.



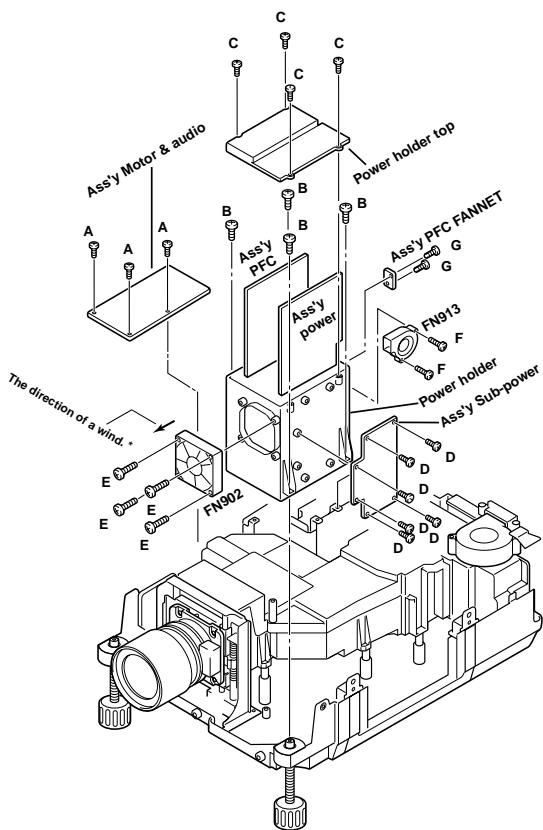
1. Turn 3 screws A and remove the Lamp cover.
2. Remove 8 screws B and remove the Cabinet top.

4. Assembly main and Terminal slots unit removal.



1. Remove the connectors and the flexible cables of the LCD panels from the assembly Main. (Never touch the electrode of flexible cables.) Remove 6 screws A and remove the Assembly main.
2. Remove 2 screws B and pull the Terminal slots unit upward and remove.

5. Assembly Motor & audio, assembly Power, assembly PFC, assembly Sub power, assembly PFC Fan-net and Fan(FN902 and FN913) Removal.



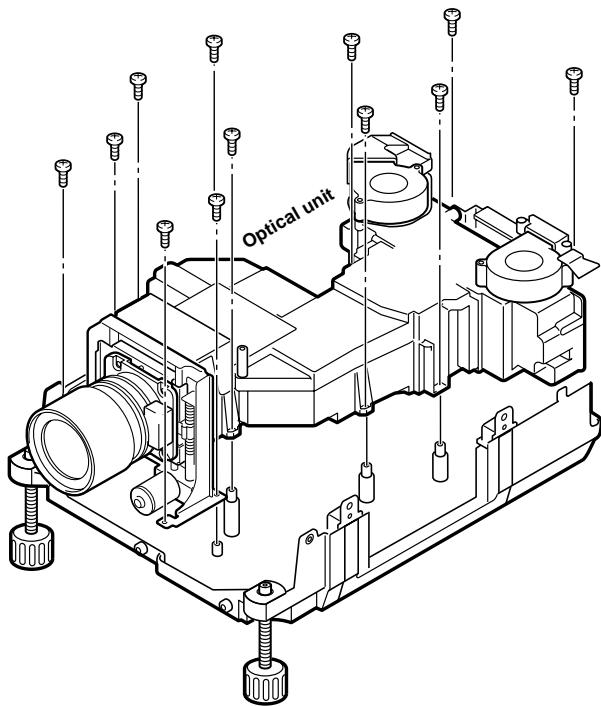
Caution :

The following caution is the important matter for maintaining the safety of a product.

Don't mistake a cooling fan's attachment direction in the case of a reassembly. (Refer to the arrow in a figure.) If the attachment direction is mistaken, it will become the cause which the inside of the projector is unusually overheated and a fire or parts damage.

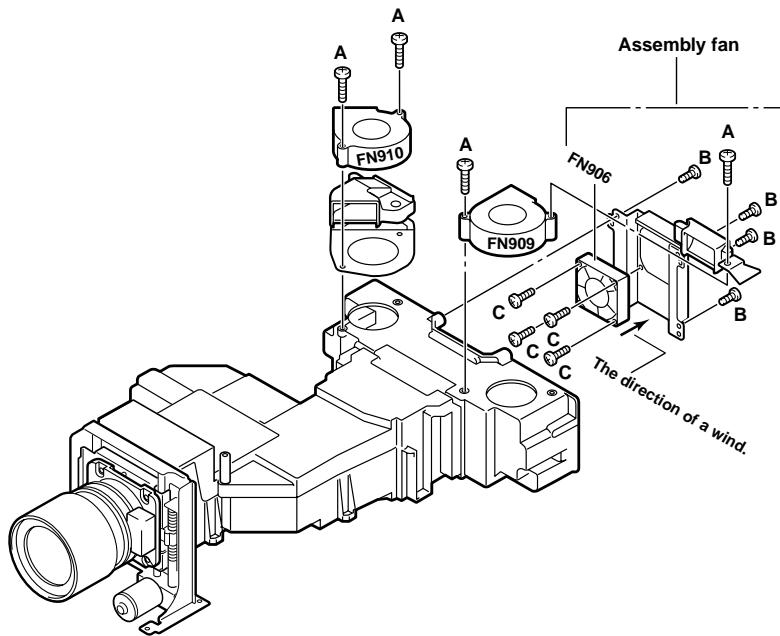
1. Remove 3 screws A and remove the assembly motor & audio.
2. Remove 4 screws B and remove the power holder.
3. Remove 4 screws C and remove the power holder top.
4. Remove 6 screws D and remove the assembly sub power.
5. Remove 4 screws E and remove the Fan (FN902).
6. Remove 2 screws F and remove the Fan (FN913).
7. Remove 2 screws G and remove the assembly PFC Fan-net.
8. Pull the assembly power upward and remove.
9. Pull the assembly PFC upward and remove.

6. Optical unit removal.



Remove 12 screws and then pull the optical unit upward and remove.

7. Fans(FN906, FN909 and FN910) removal.



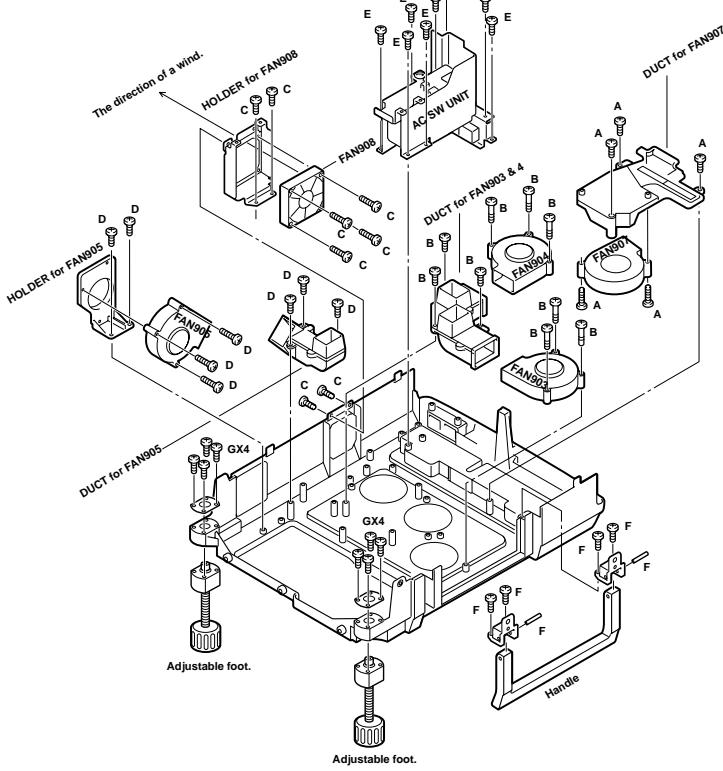
Caution :

The following caution is the important matter for maintaining the safety of a product.

Don't mistake a cooling fan's attachment direction in the case of a re-assembly. (Refer to the arrow in a figure.) If the attachment direction is mistaken, it will become the cause which the inside of the projector is unusually overheated and a fire or parts damage.

1. Remove 4 screws A and remove the fan FN909 and remove the fan FN910.
2. Remove 4 screws B and remove the assembly fan.
3. Remove 4 screws C and remove the fan FN906.

8. Fans(FN903, FN904, FN905, FN907 and FN908), AC SW unit, Handle and Adjustable feet removal.



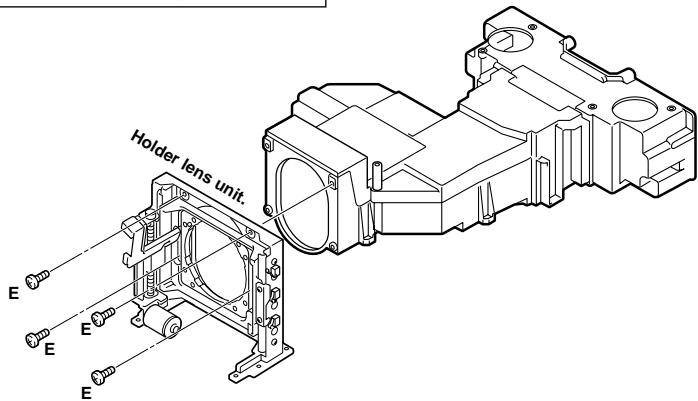
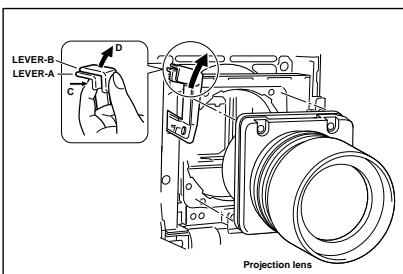
Caution :

The following caution is the important matter for maintaining the safety of a product.

- (1) Don't mistake a cooling fan's attachment direction in the case of a re-assembly. (Refer to the arrow in a figure.) If the attachment direction is mistaken, it will become the cause which the inside of the projector is unusually overheated and a fire or parts damage.
- (2) Mark the Fans as they are removed from the cabinet bottom so that they may be reassembled in the same location from which they were removed.

1. Remove 5 screws A and remove the duct for FN907 and remove the Fan (FN907).
2. Remove 9 screws B and remove the Fans (FN903 and FN904) and remove the duct for FN903/4.
3. Remove 8 screws C and remove the holder for FN908 and remove the Fan (FN908).
4. Remove 8 screws D and remove the holder for FN905 and remove the Fan (FN905) and remove the duct for FN905.
5. Remove 8 screws E and remove the AC switch unit.
6. Remove 4 screws F and remove 2 pins F and remove the handle.
7. Remove 8 screws G and remove the adjustable feet.

Optical unit disassemblies



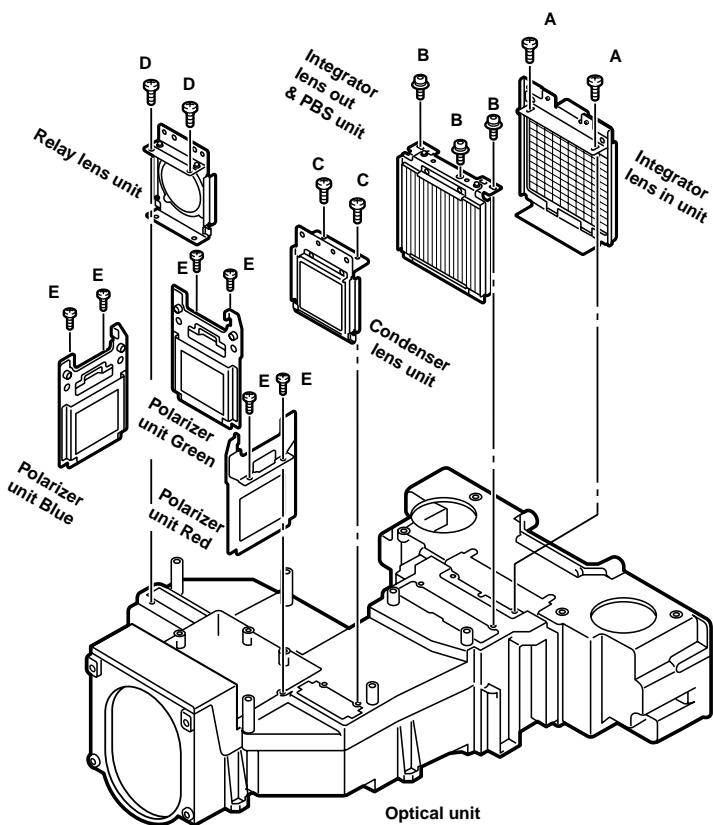
1. Projection lens and Holder lens unit removal.

Note :

This lens mounting system is the lever release type and lens replacement can be performed easily. However, The weight of the projection lens is 2 ~ 6kg. If it makes a mistake in handling, the lens may receive damage. Be careful not to receive damage in the case of lens replacement.

Refer to the "lens replacement and installation procedures manual" for the details about the projection lens.

1. Support the projection lens with the hand so that the projection lens does not drop out.
2. Pull the lever A ahead and slide the levers A and B to upper position. (The projection lens is released.)
3. Remove 4 screws E and remove the Holder lens unit.



2. Integrator lens in unit, Integrator lens out & PBS unit, Condenser lens unit, Relay lens unit and Polarizer units removal.

Note :

Each polarizer unit uses different characteristic polarization glasses. Mark the Polarizer units as they are removed from the optical unit so that they may be reassembled in the same location from which they were removed.

1. Remove 2 screws A and remove the Integrator lens in unit.
2. Remove 3 screws B and remove the Integrator lens out & PBS unit.
3. Remove 2 screws C and remove the Condenser lens unit.
4. Remove 2 screws D and remove the Relay lens unit.
5. Remove 6 screws E and remove the 3 Polarizer units.

3. Lamp assemblies and Assembly mirror removal.

1. Turn 4 screws A and remove the 2 Lamp assemblies.
2. Remove 4 screws B and remove the assembly mirror.

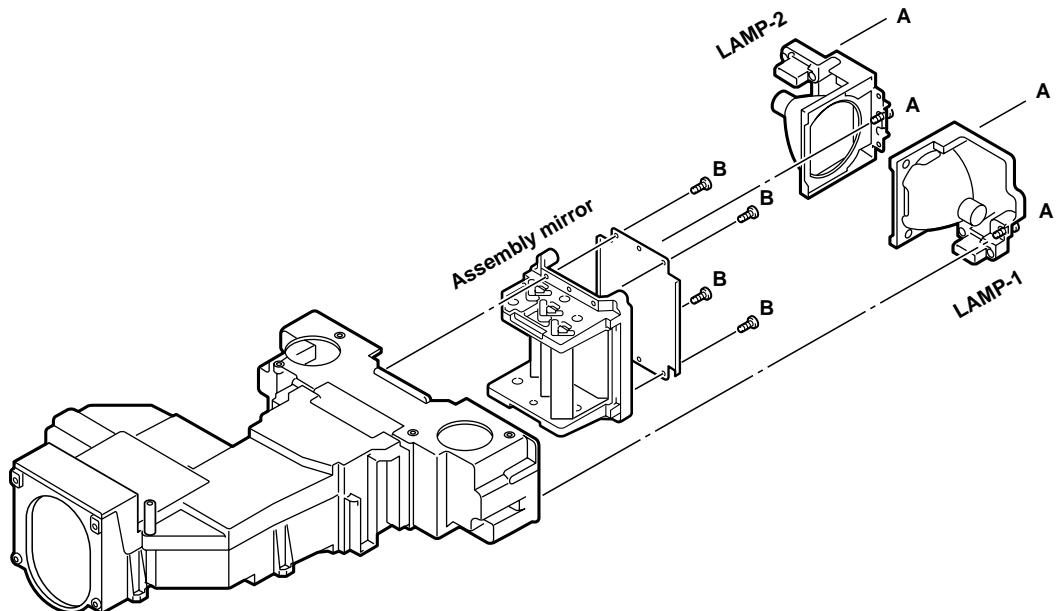


Caution :

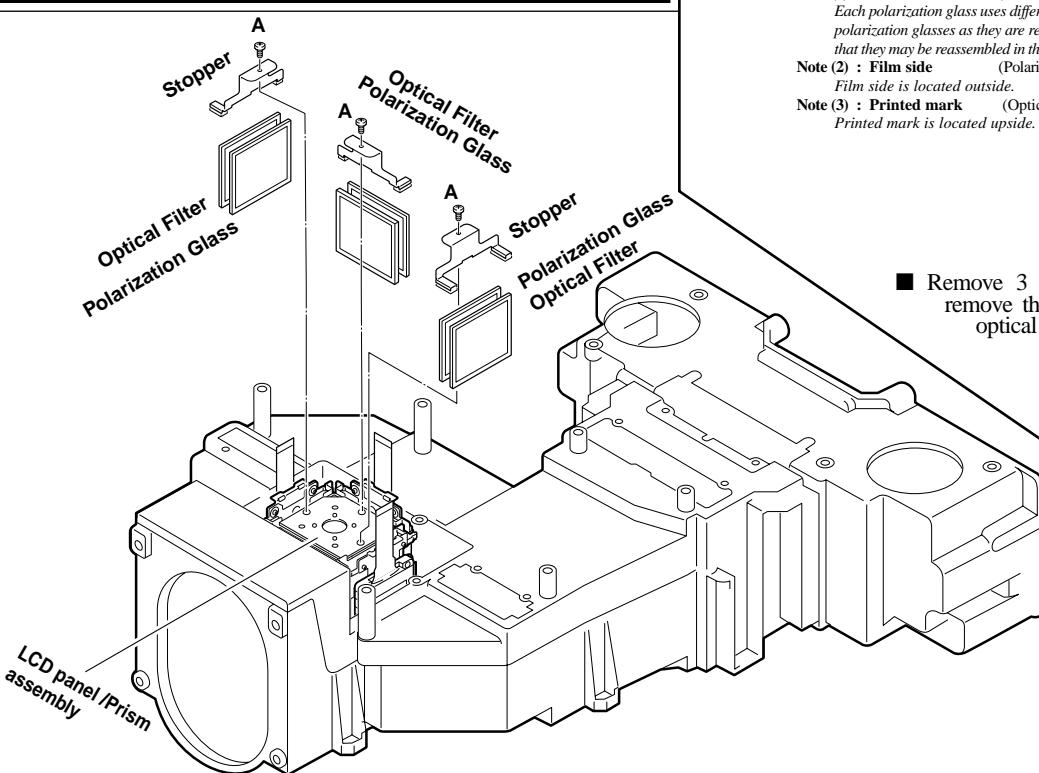
The following caution is the important matter for maintaining the safety of a product.

The characteristics and ages of lamps are managed by CPU. Mark the lamp assemblies as they are removed from the optical unit so that they may be reassembled in the same location from which they were removed.

Failure to observe this caution, as a result, it may become to continue using further the lamp over which the use term passed. It may cause the burst of the lamp.



4. Polarization glasses and optical filters removal.



Note :

Note (1) : Characteristic (Polarization glass)

Each polarization glass uses different characteristic polarization glass. Mark the polarization glasses as they are removed from the LCD panel/Prism assembly so that they may be reassembled in the same location from which they were removed.

Note (2) : Film side (Polarization glass and Optical filter)

Film side is located outside.

Note (3) : Printed mark (Optical filter)

Printed mark is located upside.

- Remove 3 screws A and stoppers, then remove the polarization glasses and the optical filters.

5. LCD PANEL /PRISM ASSEMBLY AND LCD PANEL REMOVAL.

1. Remove 4 screws A and remove the LCD panel /Prism assembly.
2. Remove 3 screws B and remove the LCD panel.

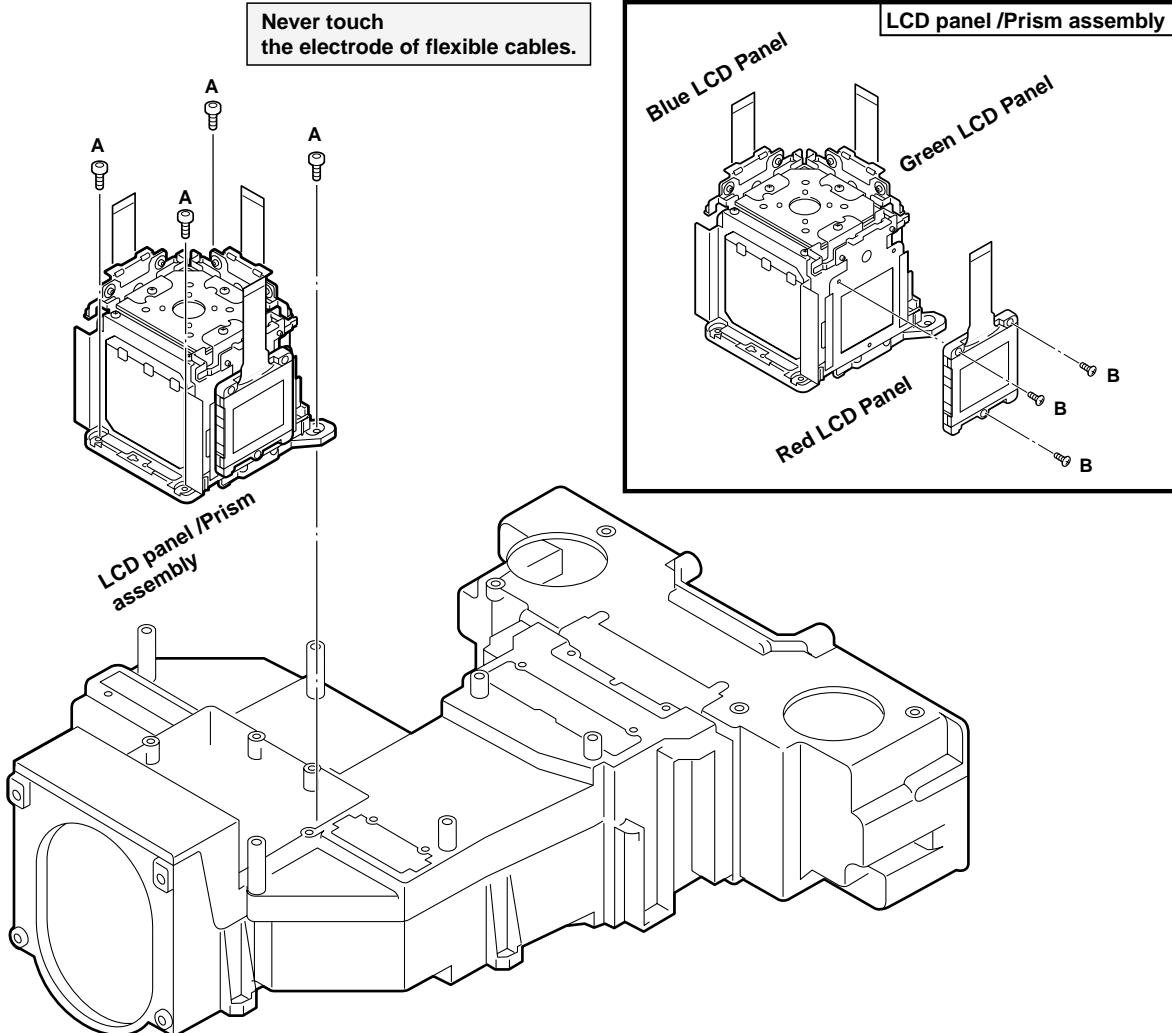
Note: DON'T REMOVE THE RED, GREEN AND BLUE LCD PANELS SIMULTANEOUSLY!

It becomes impossible to adjust a convergence, if all the LCD panels are simultaneously replaced. When all the LCD panels are damaged, replace the whole LCD panel / prism assembly.

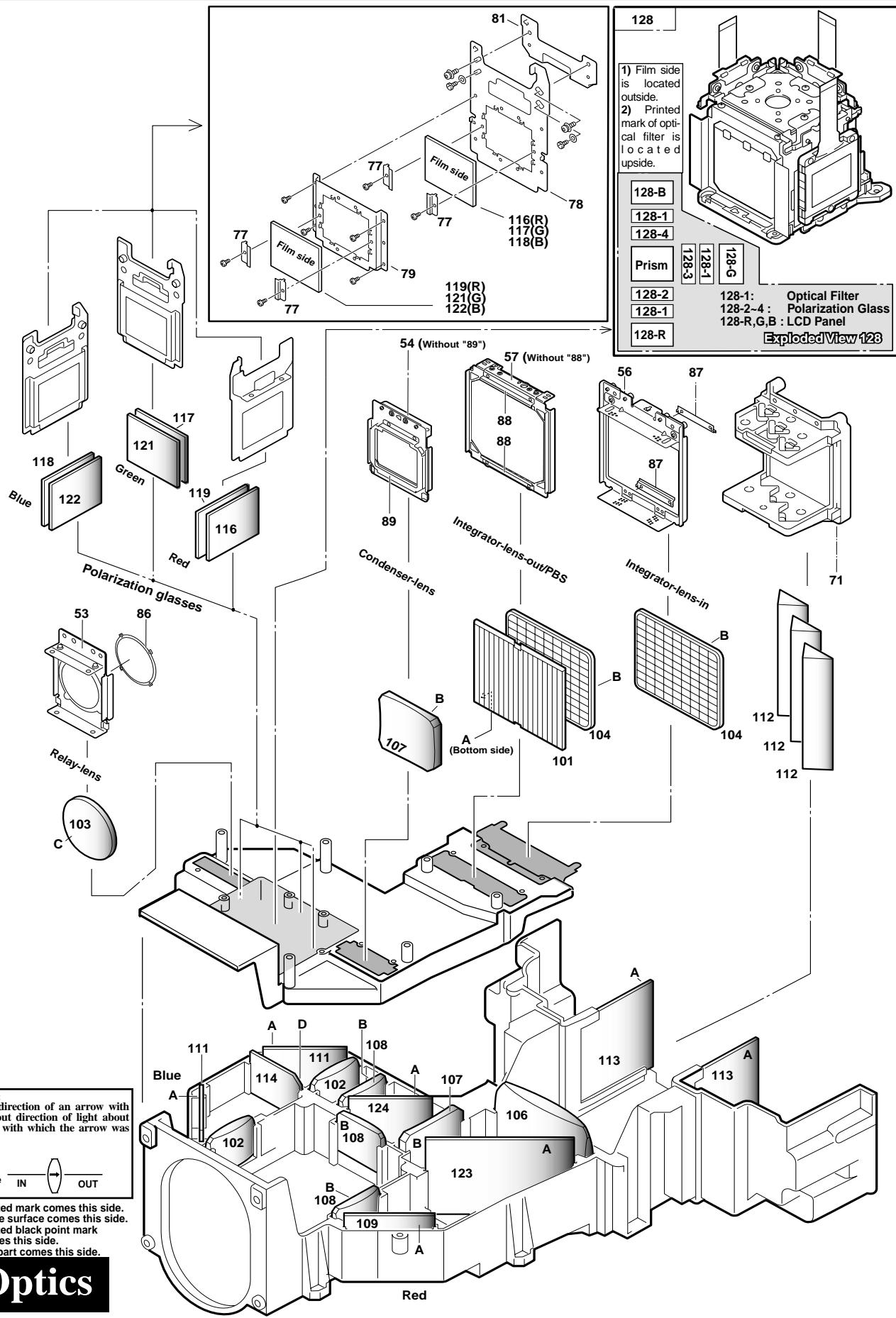
Caution : HANDLE WITH CARE !

LCD panel/Prism assembly is a precision part. Be sure to handle this part with special attention. Observe the following notes.

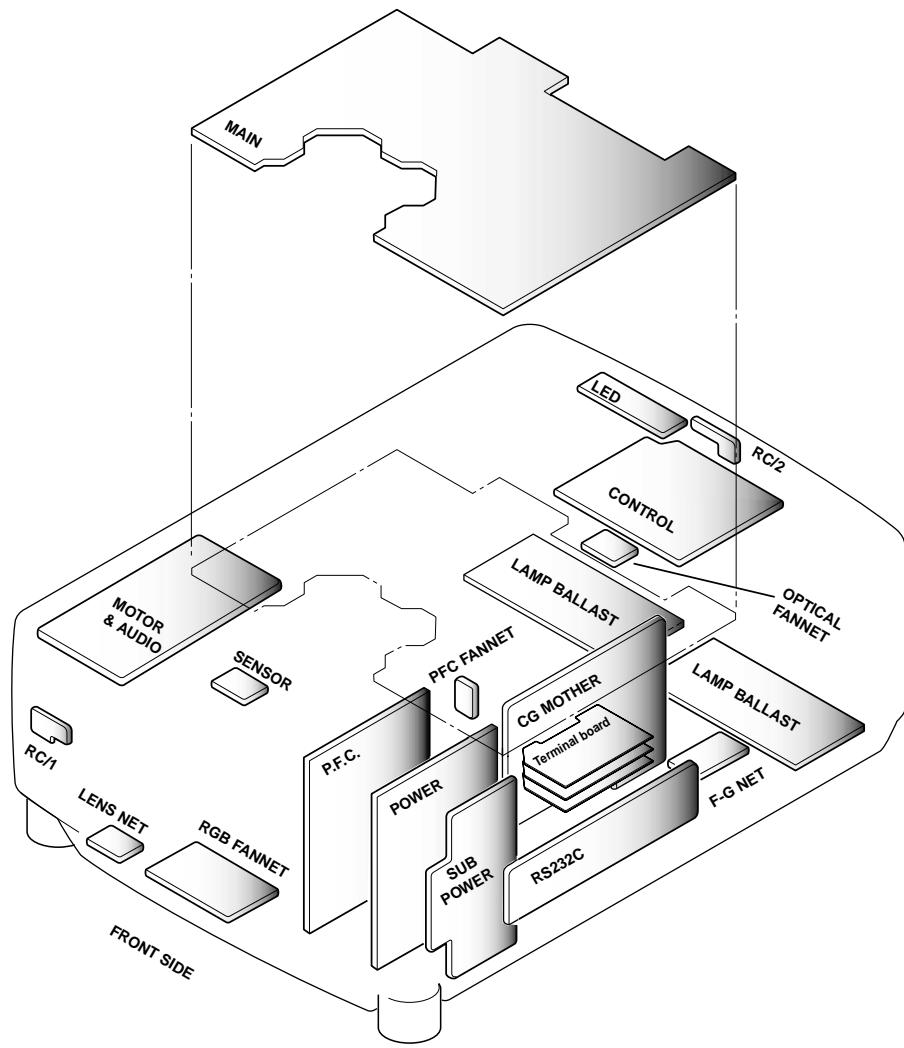
- (1) Be careful not to hit the LCD panel with the screwdriver. It may damage the parts and alignment.
- (2) Never touch the LCD panel and prism part directly with hand. Otherwise the optical parts may get dirty.
- (3) Since the LCD panel is equipped with CMOS-LSI, pay attention to static electricity. And never touch the electrode of flexible cables.



Optical parts location --- The optical parts name(description) can see it on parts list(page69).

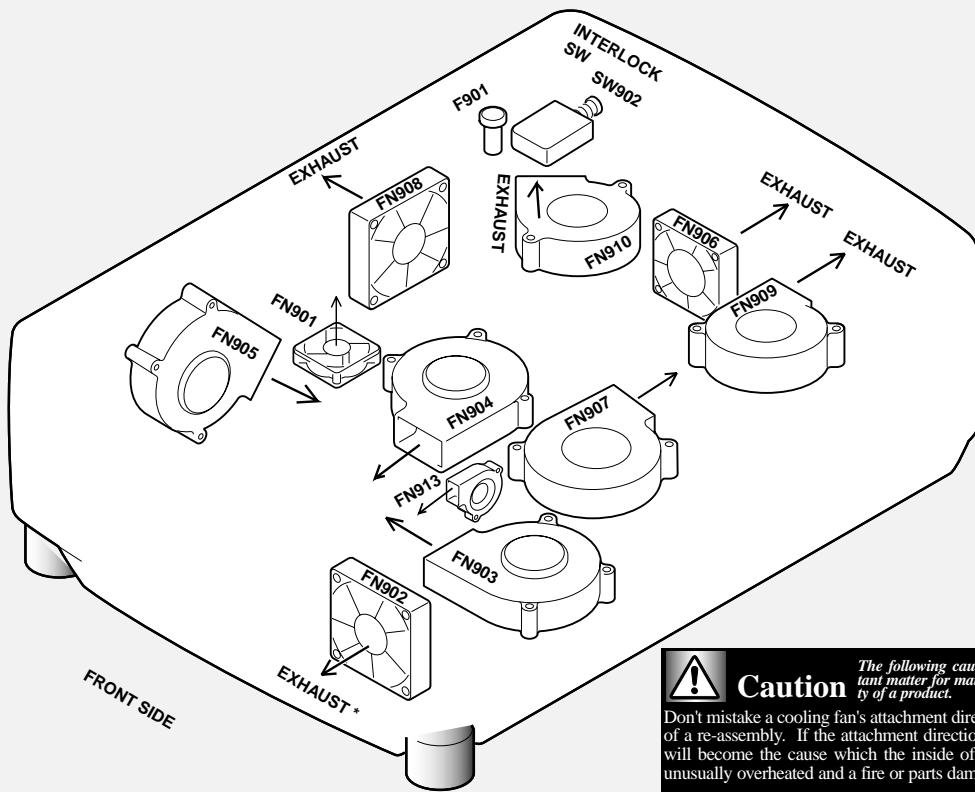


**PWB ASSEMBLIES
LOCATION**



← :Direction of a wind.

**MOTOR FANS
LOCATION**



Caution

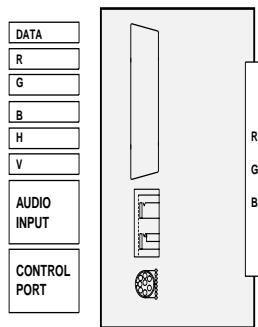
The following caution is the important matter for maintaining the safety of a product.

Don't mistake a cooling fan's attachment direction in the case of a re-assembly. If the attachment direction is mistaken, it will become the cause which the inside of the projector is unusually overheated and a fire or parts damage.

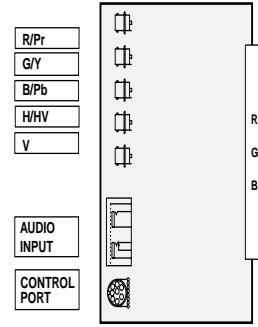
Troubleshooting

"NO PICTURE -1"

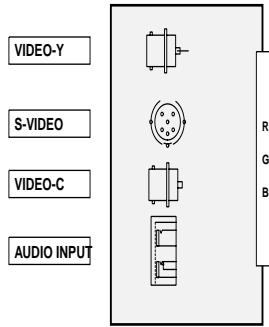
TERMINAL BOARD DVI



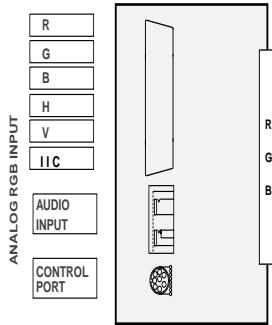
TERMINAL BOARD-COMPONENT



TERMINAL BOARD AV

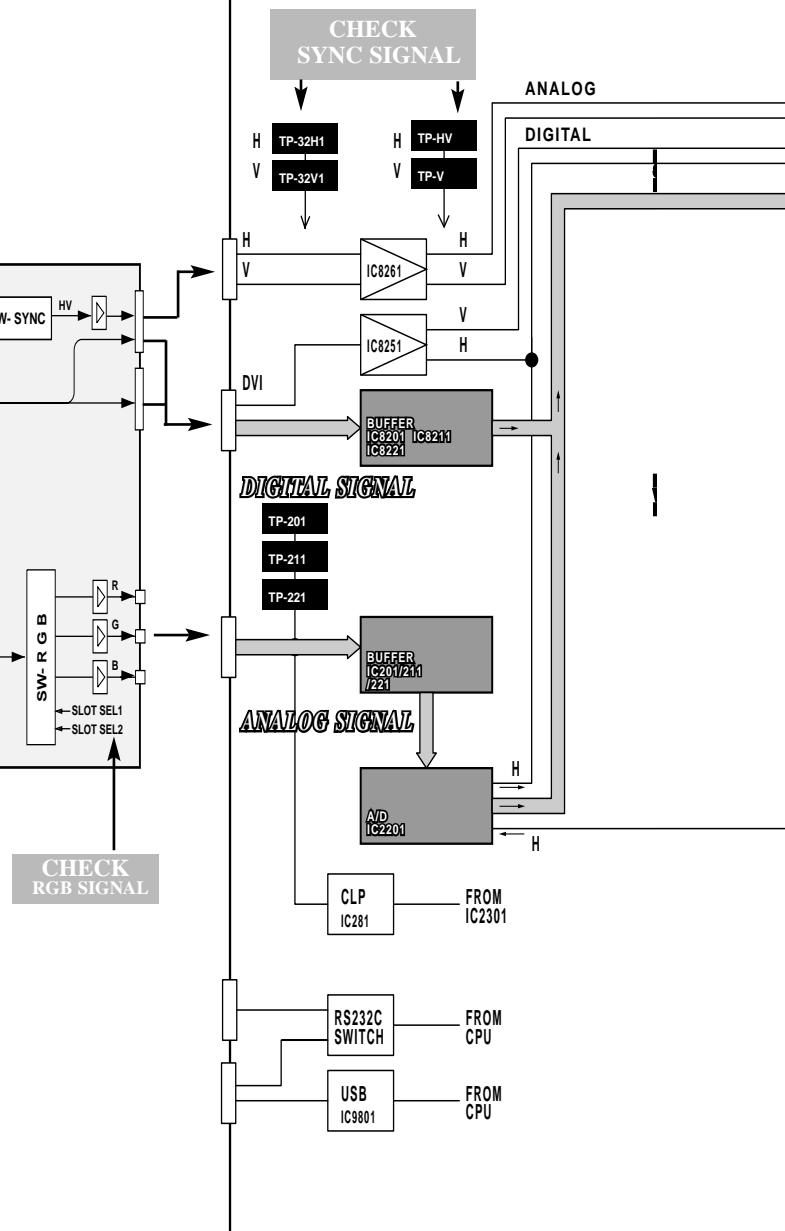


TERMINAL BOARD-D-SUB15

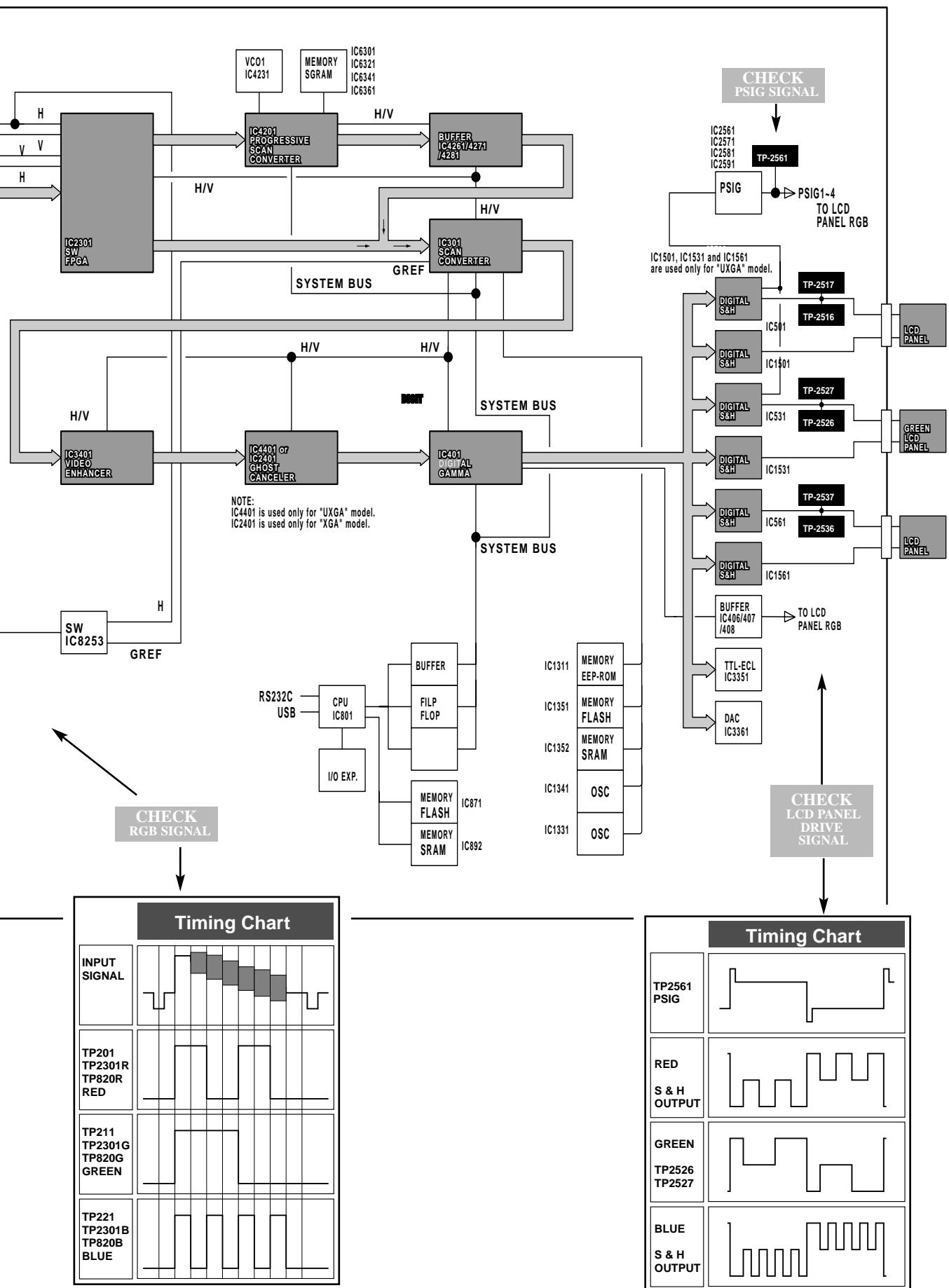


The Terminal board D-SUB15 does not exist in some particular models.

Assembly Main



Troubleshooting

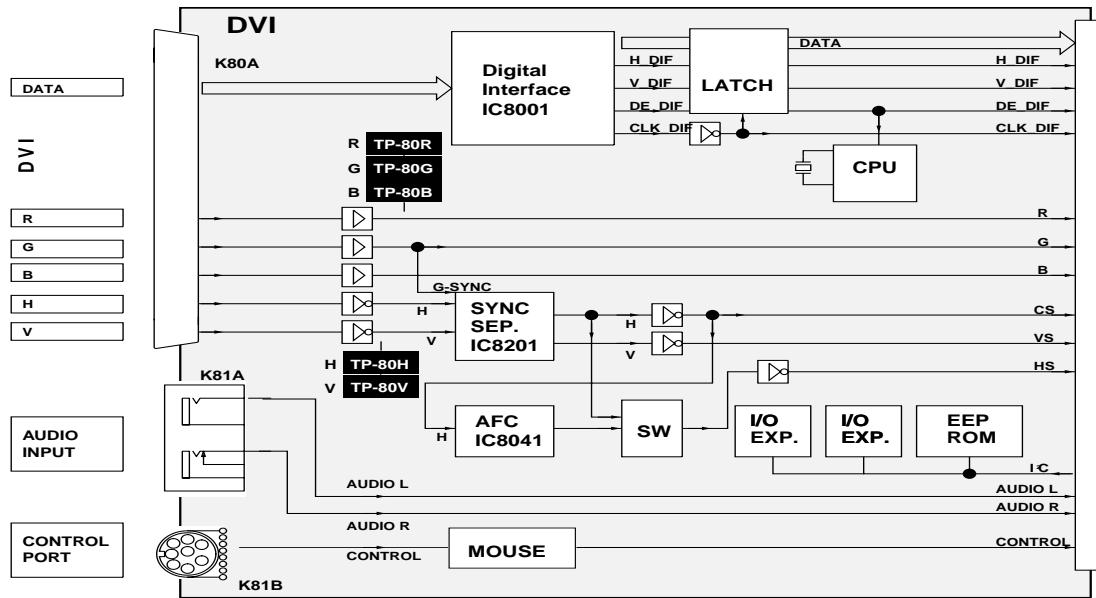


NO PICTURE -2

Troubleshooting

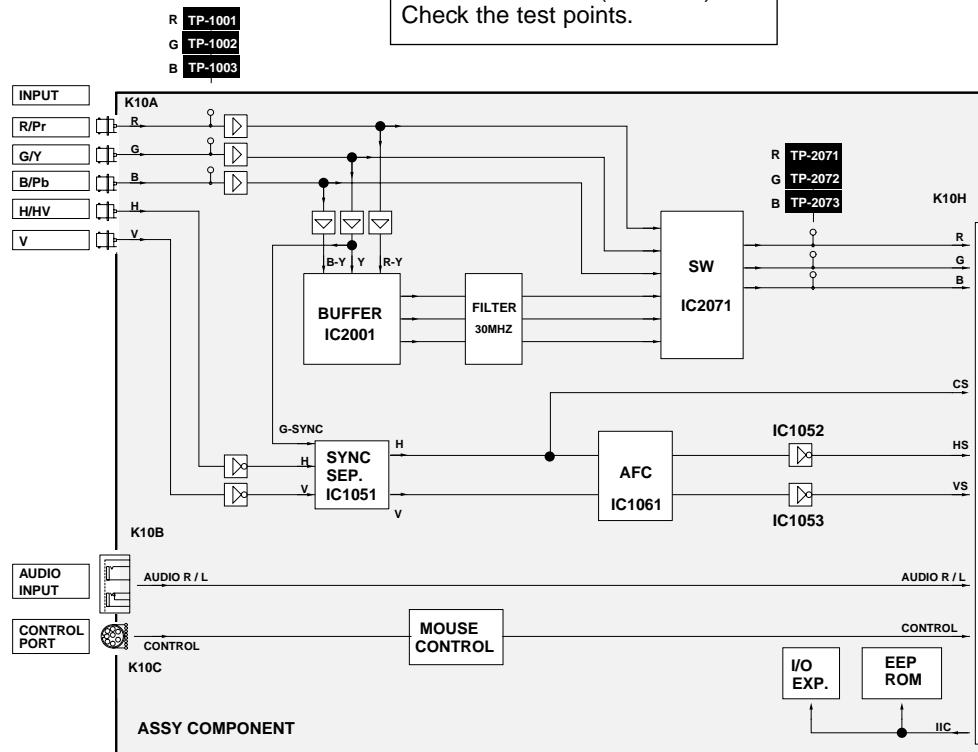
Check the terminal board-DVI.

Check the Vcc voltages.
 S9V (Always)
 5V/ -5V/ 9V (Switched)
 Check the test points.



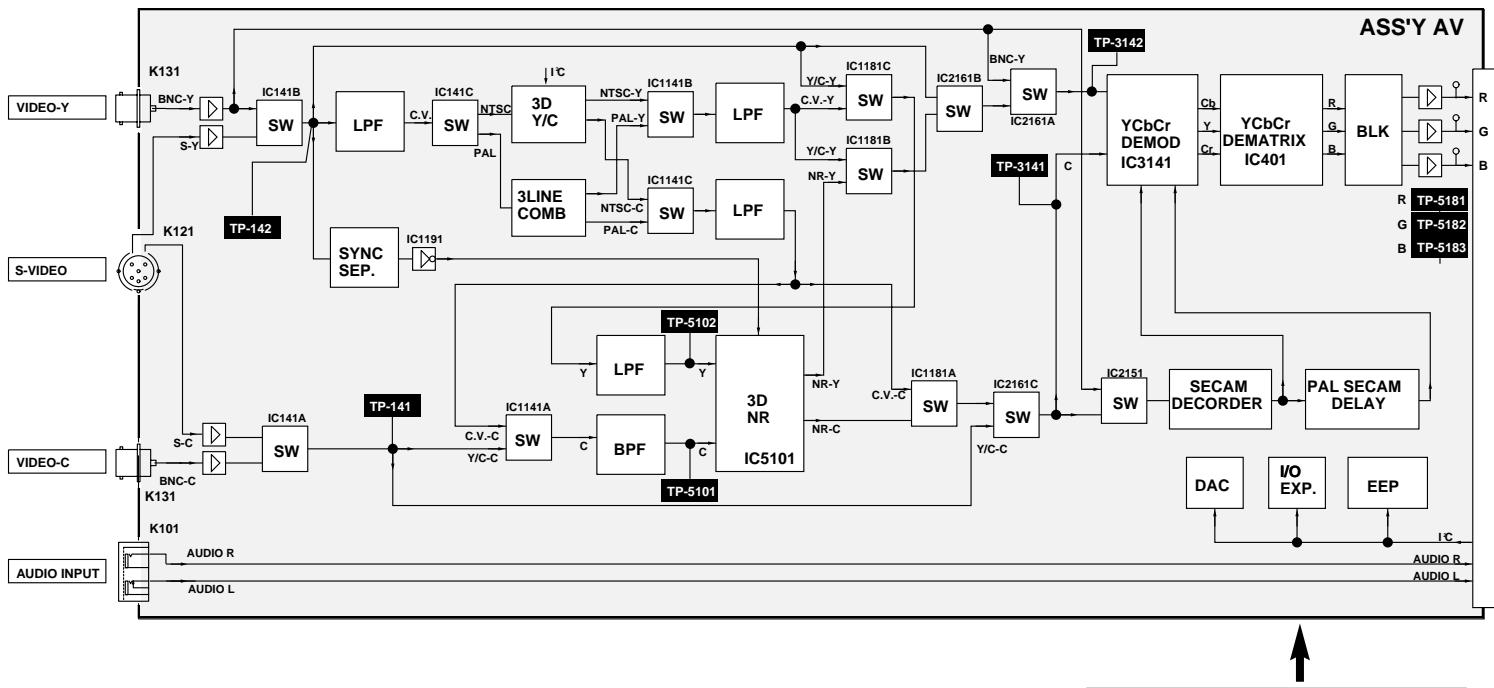
Check the terminal board-COMPONENT.

Check the Vcc voltages.
 S9V (Always)
 5V/ -5V/ 9V (Switched)
 Check the test points.



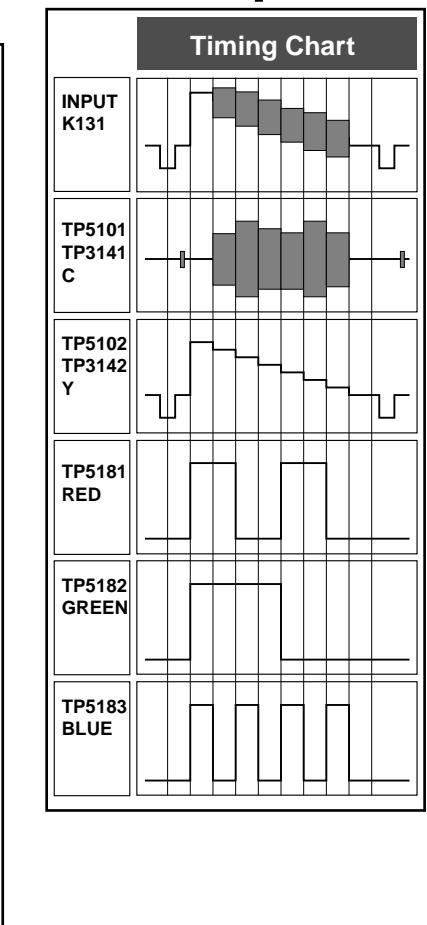
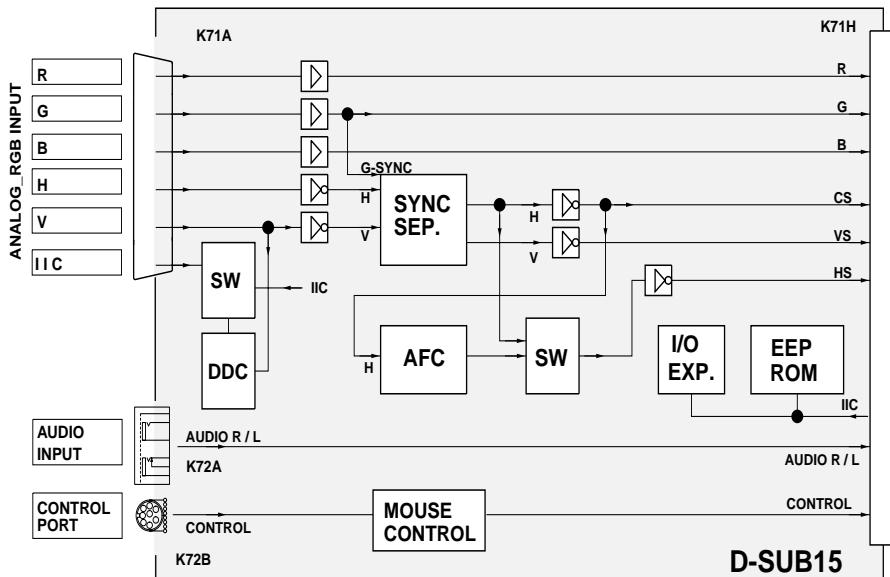
Check the terminal board-AV

Check the Vcc voltages.
 S9V (Always)
 5V/ -5V/ 9V (Switched)
 Check the test points.



Check the terminal board-DSUB15.

Check the Vcc voltages.
 S9V (Always)
 5V/ -5V/ 9V (Switched)
 Terminal board DSUB15 does not exist in some particular models.



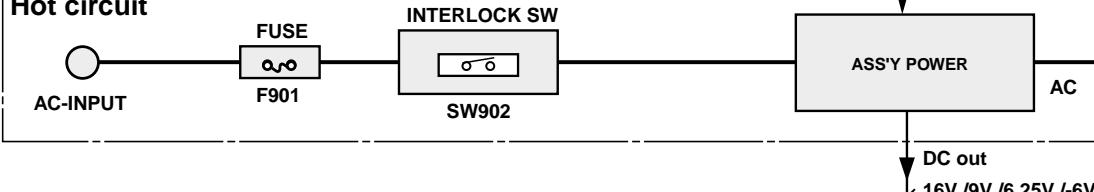
Is fuse (F901) blown?
Fuse may be opened when either the LAMP indicator or the READY indicator isn't illuminated. Check the fuse. For continued safety, replace it with a new fuse of the same type

Isn't the lamp cover of a projector removed?
When it is removed, the projector cannot be turned on.

Is the lamp cover attached correctly? And has not the boss(inner side of the lamp cover) broken?
Check the boss and the Interlock switch (SW902). SW902--open: Abnormality

Refer to page 24.

Hot circuit



Check that the POWER FAIL signals are correct.
L : Abnormality

POWER FAILURE

Check that the Fan on/off signal is correct.
L : Abnormality

FANS
FANS

POWER CONTROL
FAN ON/OFF
I/O EXPANDER

SWITCH

SUB POWER

Always
DC out
Switched

Check that the Vcc-voltages are correct.

Check that the IIC Bus signals for fan control are correct.

Check that the POWER ON/OFF signal is correct.
L : Abnormality

Are the LAMP indicator(red) and READY indicator(green) light?

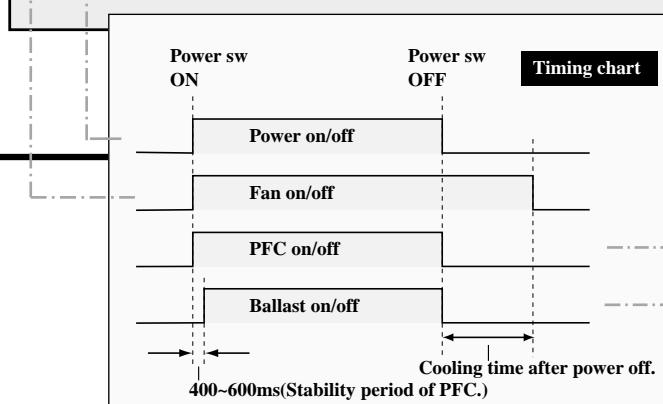
If the LAMP and READY indicators are not illuminated, check the primary circuit and S5V of standby power supply circuit.

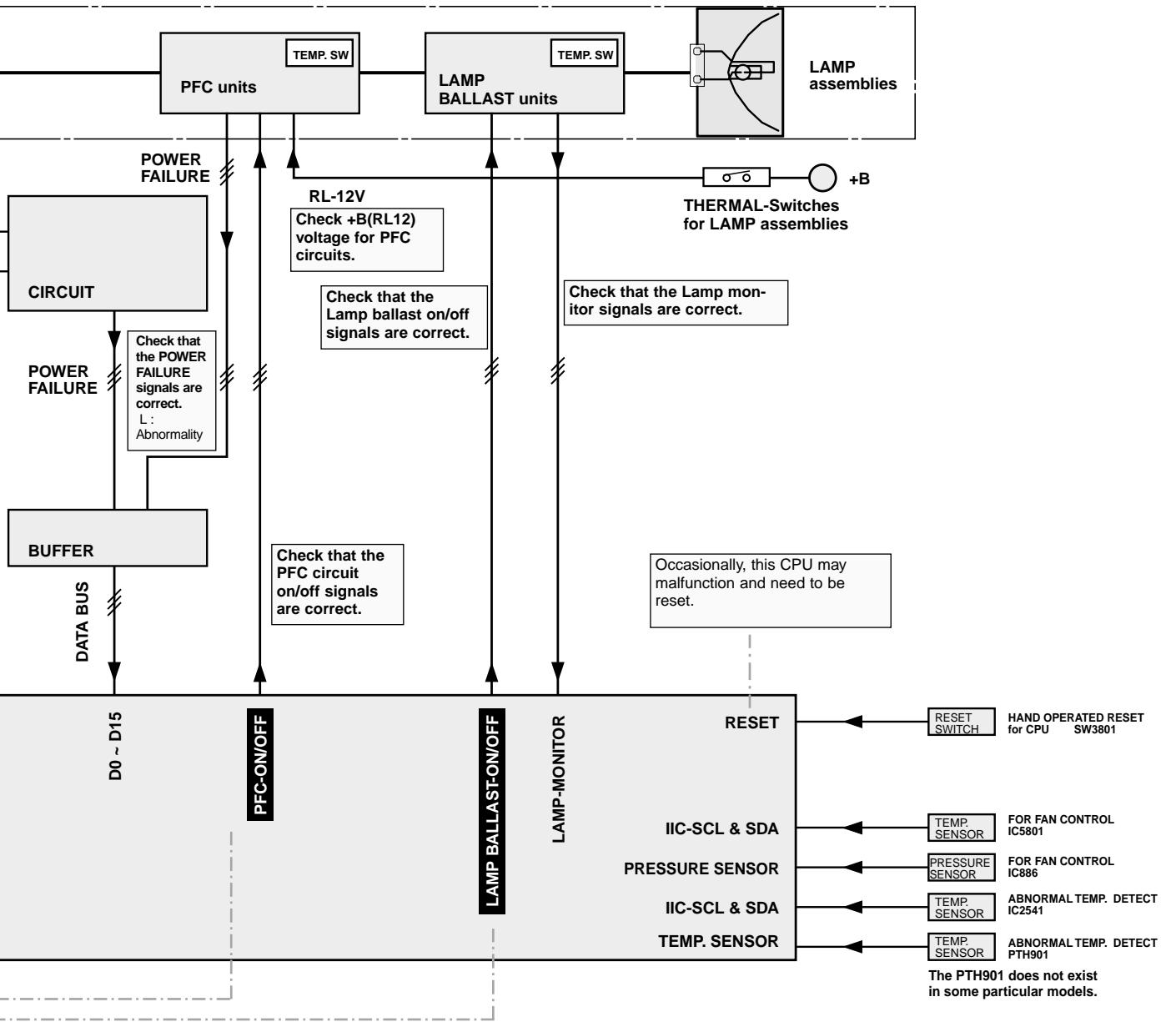
LAMP REPLACE
WARNING TEMP.
READY
LAMP
INDICATORS

CPU IC801
and
I/O
EXPANDER
IC1831

IIC-SCL & SDA

POWER-ON/OFF





* NO POWER-2

Troubleshooting

Check the switching regulator.

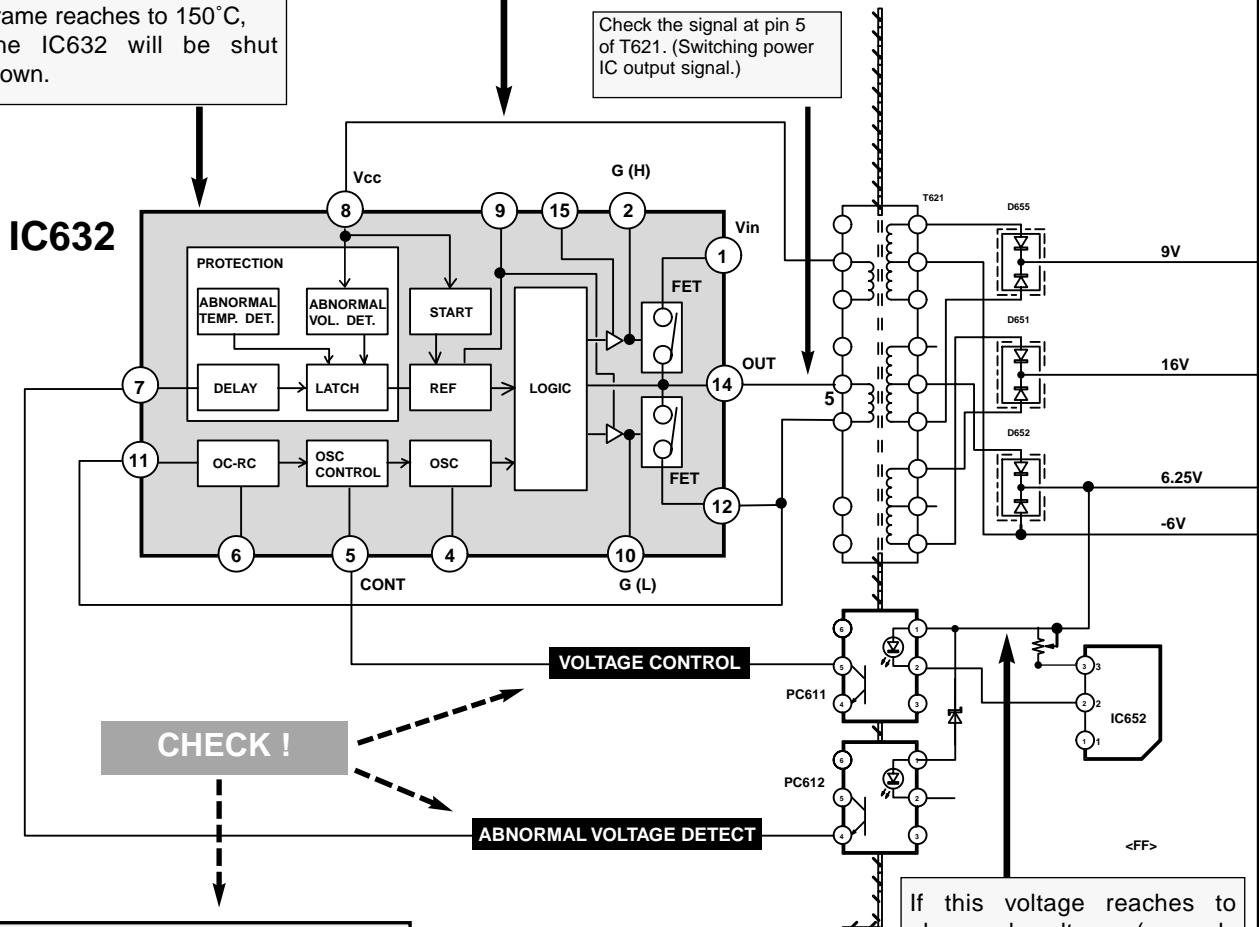
STR-Z2156
Switching regulator

Caution : "HOT" Circuit !

If a temperature of this frame reaches to 150°C, the IC632 will be shut down.

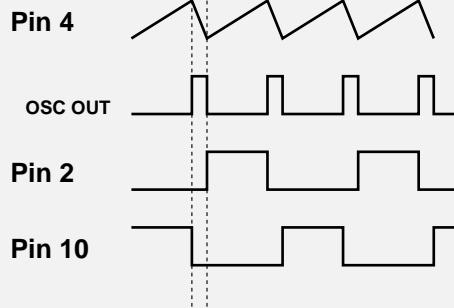
If this Vcc voltage reaches to abnormal voltage (exceeds 22V), the IC632 will be shut down.

Check the signal at pin 5 of T621. (Switching power IC output signal.)



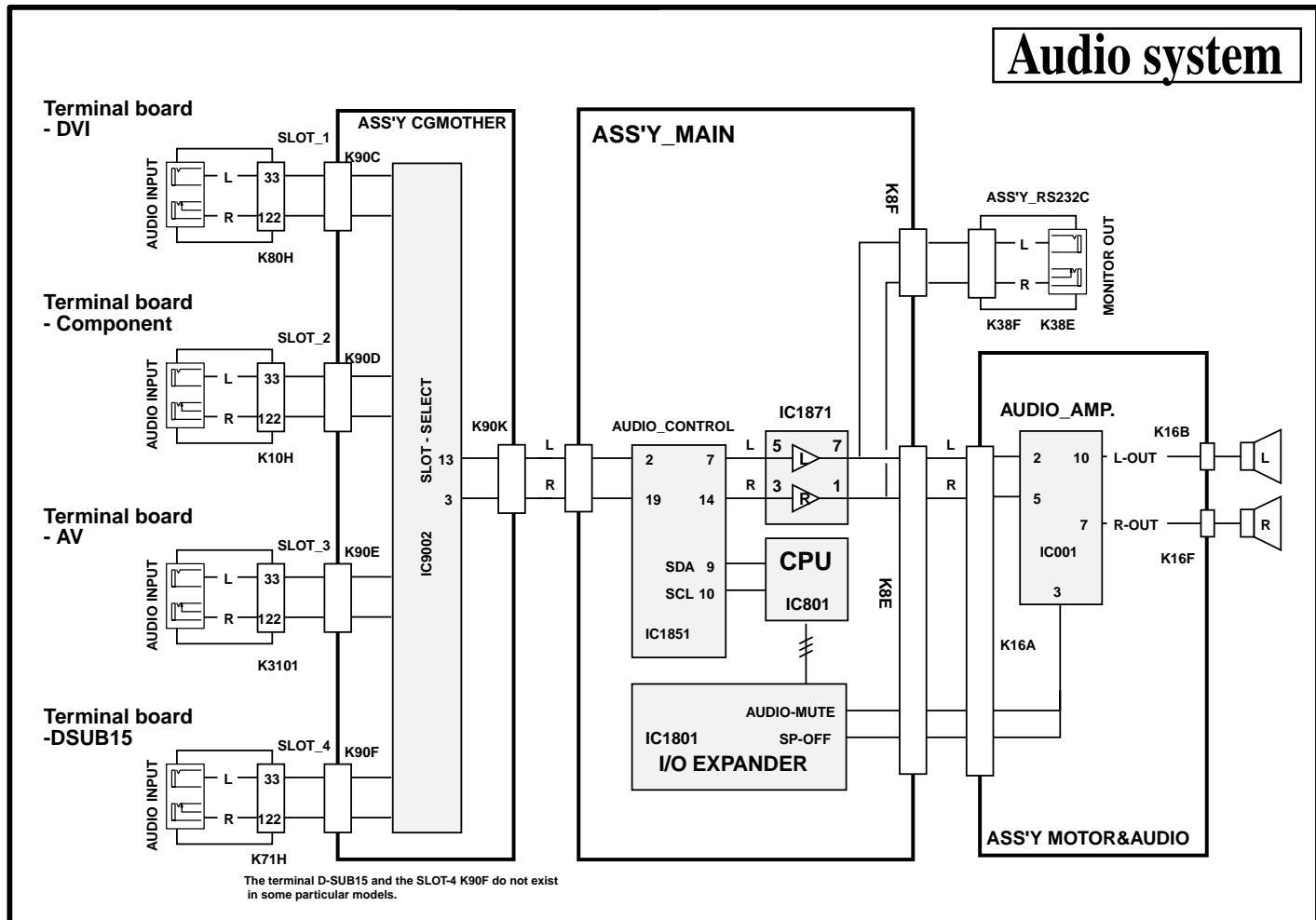
If this voltage reaches to abnormal voltage (exceeds 6.8V), the IC632 will be shut down.

Timing chart



No sound

Troubleshooting



■ Terminal board DVI, Component, AV and D-SUB15.

1. Check that the R and L signals are correct.
Pins 122(R) and 33(L).
K80H, K10H, K3101 and K71H.
Terminal board DSUB15 does not equip in some particular models.

■ Assembly CG-Mother

1. Check that the R and L signals are correct.
Pins 3(R) and 13(L) of IC9002.

■ Assembly Main

1. Check that the Vcc-voltages are correct.
2. Check that the R and L input signals are correct.
Pins 2 and 19 of IC1851
3. Check that the IC1851 output signals are correct.
Pins 7(L) and 14(R).
4. Check that the audio output signals are correct.
Pins 7(L) and 1(R) of IC1871.
5. Check that the AUDIO MUTE signal is correct.
6. Check that the SP-OFF signal is correct.
7. Check that the SDA-signal is correct. Pin 9 of IC1851.
8. Check that the SCL-signal is correct. Pin 10 of IC1851.

■ Assembly Motor audio

1. Check that the Vcc-voltages are correct.
2. Check that the R and L input signals are correct.
Pins 2(R) and 5(L) of IC001
3. Check that the AUDIO MUTE signal is correct.
4. Check that the SP-OFF signal is correct.
5. Check that the IC001 output signals are correct.
Pins 10(L) and 7(R).

LAMP ABNORMALITY -1

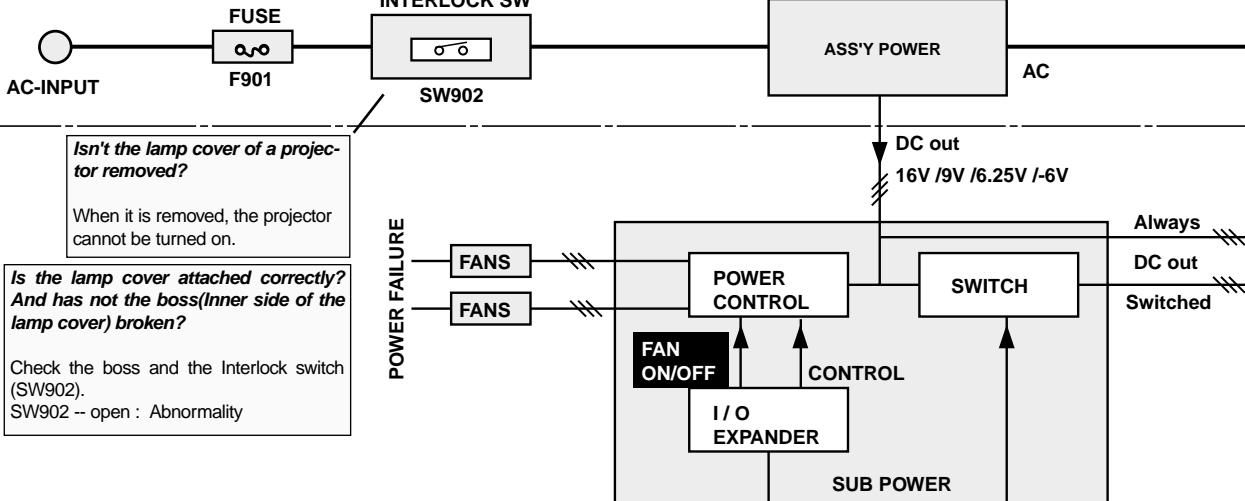
System Control

Troubleshooting

NOTE : Light source lamp

- The lamp emits light through arc discharge. To initiate arc discharge, dielectric breakdown must occur between the lamp electrodes. The high-voltage pulse generator generates and applies high-voltage pulses with peak values of about 20kV between the lamp electrodes in order to generate glow discharge. This in turn results in dielectric breakdown between the electrodes, causing a shift from glow discharge to arc discharge.
- After projector turned on, 30 seconds are required until the light output stabilizes. After the projector is turned off, the cooling fan operates for 90 seconds to cool down the lamp and reduce gas pressure inside the lamp. During this "cooling down" period, the projector cannot be turned on.

Hot circuit



NOTE :

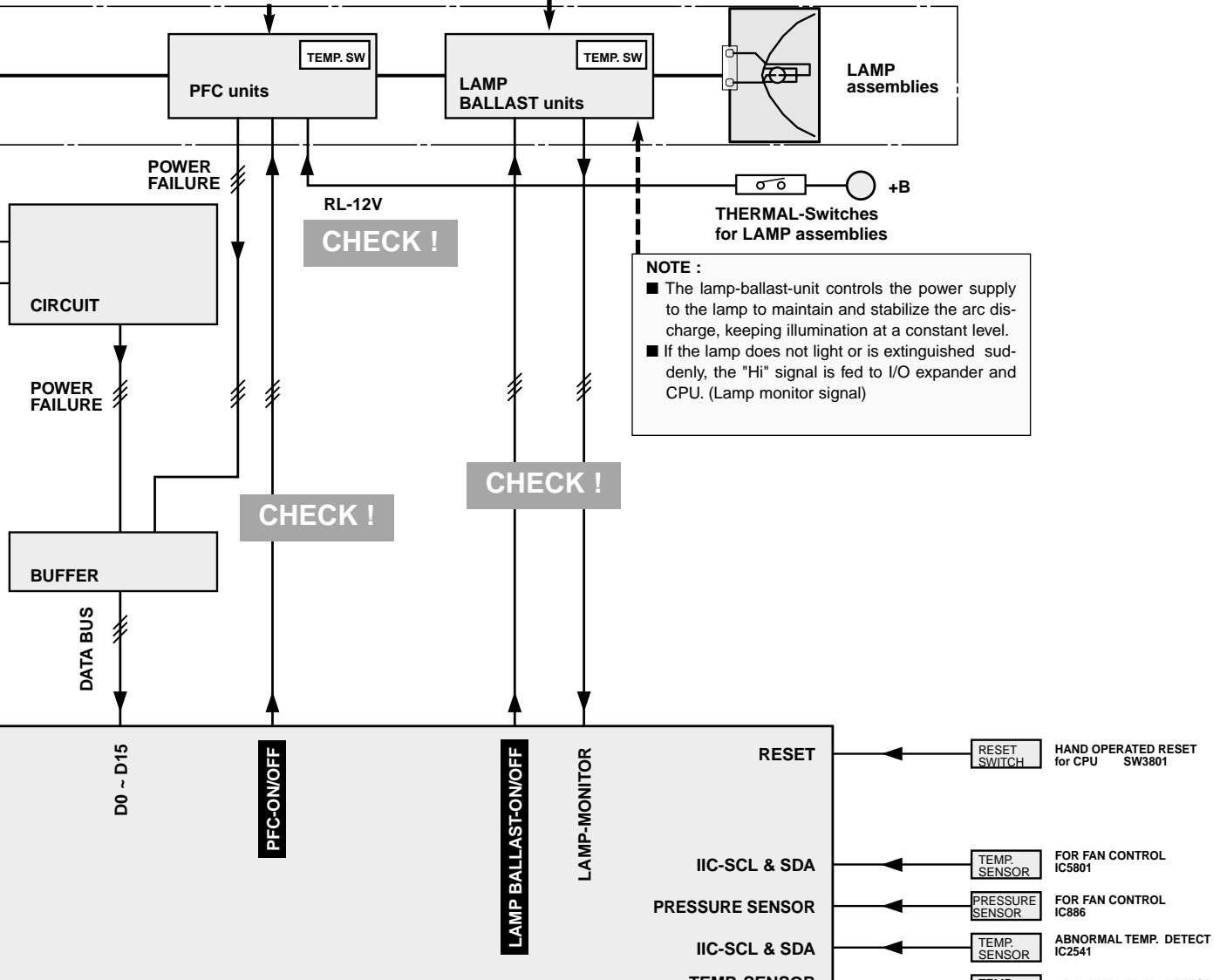
- The ready (green) LED indicates lamp monitor operation as follows:
 - LED off: Lamp is being cooled.
 - LED on: Lamp is being lit or already cooled down.



CPU : Lamp monitor operation.

- CPU performs an input check by the lamp monitor pin.
- When the "H" signal continues 1 second or more continuously, CPU judges the state to be abnormal.
- When it has detected abnormal condition, CPU turns off a projector compulsorily. And CPU sets up the cooling time for 90 seconds.
- The projector cannot be turned on during a cooling time.

Refer to next page

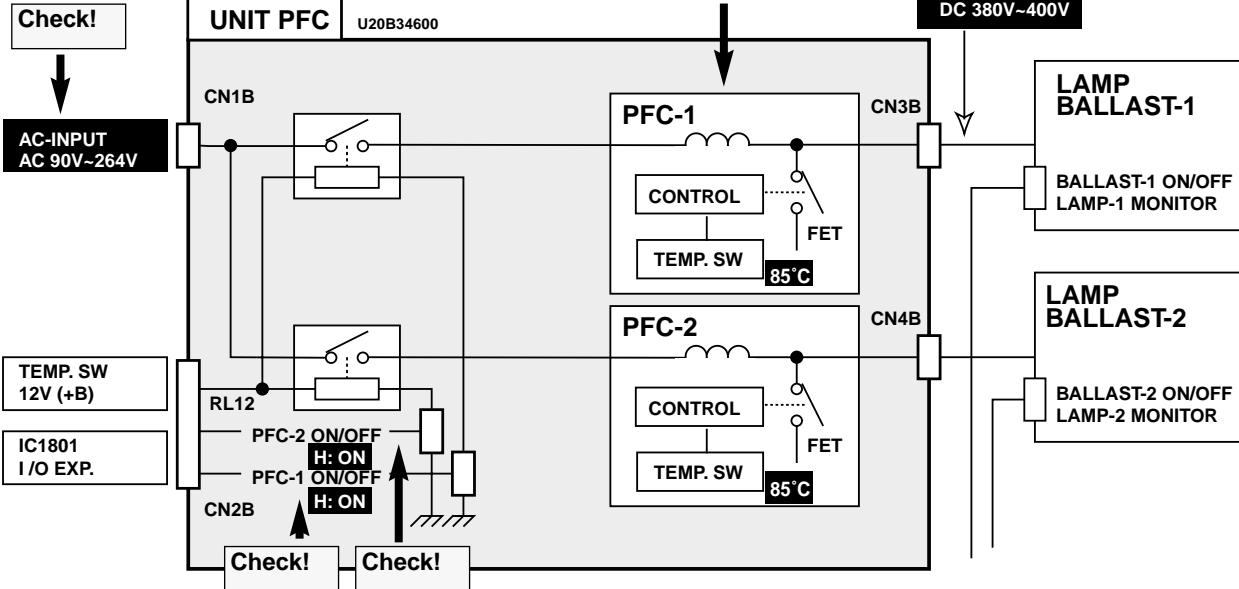


LAMP ABNORMALITY -2

Troubleshooting

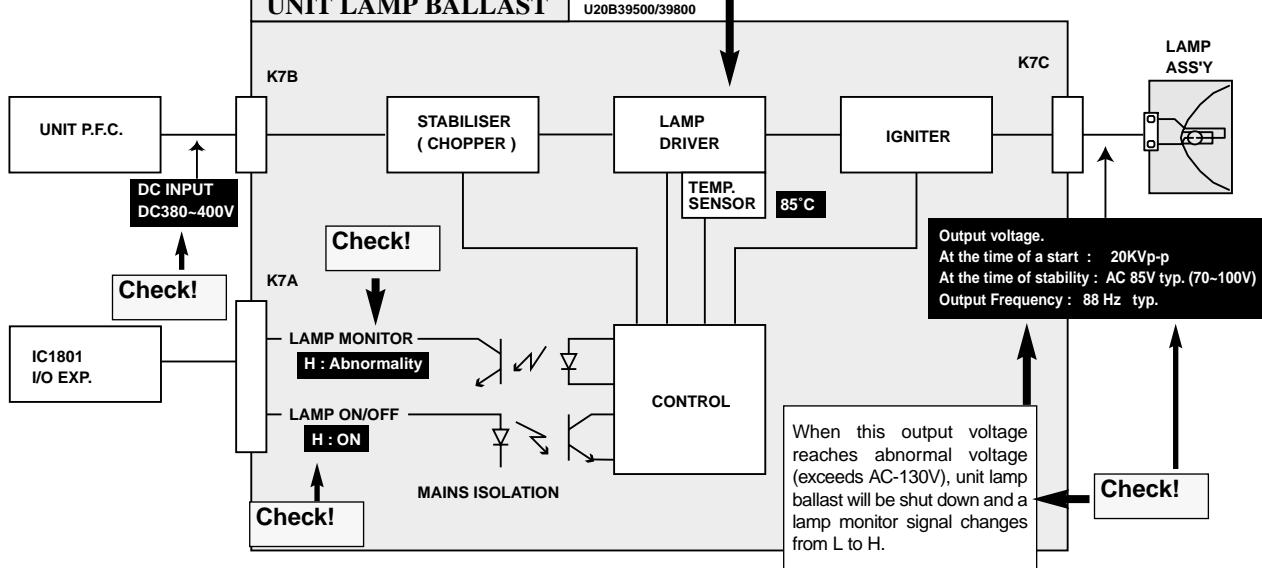
Check the unit P.F.C..

Caution : "HOT" Circuit !



Check the unit lamp Ballast.

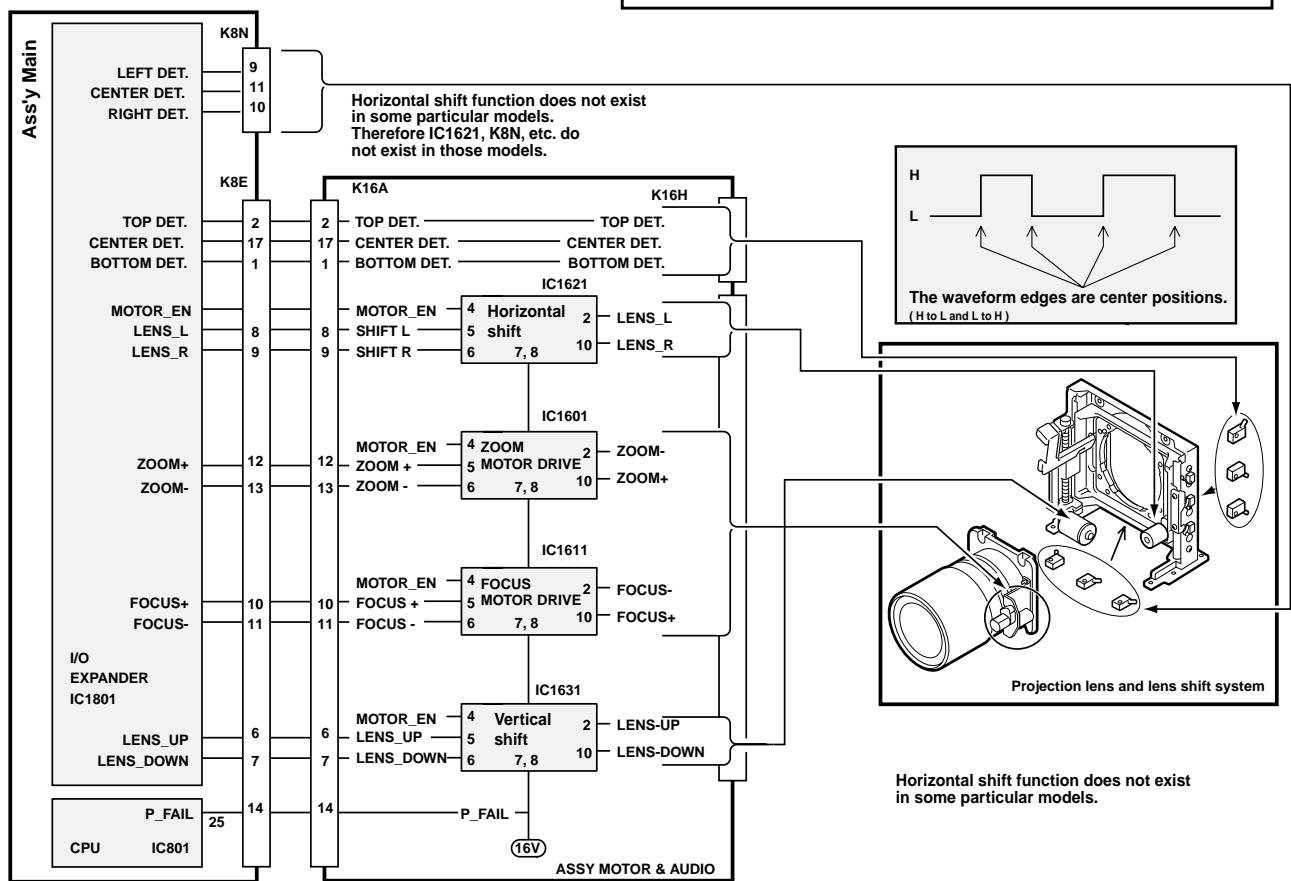
Caution : "HOT" Circuit !



POWER LENS SYSTEM ABNORMALITY

Troubleshooting

Motor-driven lens system. (Zoom, Focus and lens shift.)



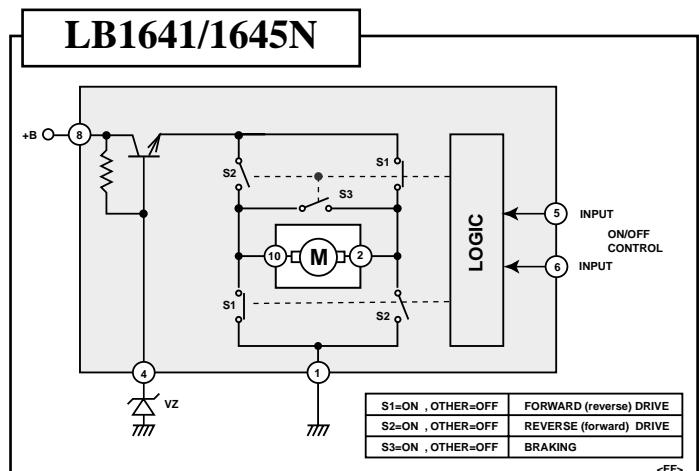
■ Assembly Main

- Check that the Vcc-voltages are correct.
- Check that the POWER FAIL signal is correct.
Pin 125 of IC801 H: Normal
- Check that the LENS SHIFT up and down signals are correct.
Pins 6 and 7 of K8E
- Check that the LENS SHIFT left and right signals are correct.
Pins 8 and 9 of K8E
- Check that the FOCUS up and down signals are correct.
Pins 10 and 11 of K8E
- Check that the ZOOM up and down signals are correct.
Pins 12 and 13 of K8E
- Check that the TOP DET. signal is correct.
Pin 2 of K8E L: TOP
- Check that the BOTTOM DET. signal is correct.
Pin 1 of K8E L: BOTTOM
- Check that the CENTER DET. signal is correct.
Pin 17 of K8E Center position=The edge of "H to L" or "L to H."
- Check that the LEFT DET. signal is correct.
Pin 9 of K8N L: LEFT
- Check that the RIGHT DET. signal is correct.
Pin 10 of K8N L: RIGHT
- Check that the CENTER DET. signal is correct.
Pin 11 of K8N Center position=The edge of "H to L" or "L to H."

■ Assembly Motor audio

- Check that the Vcc-voltages are correct.
 - Check that the POWER FAIL signal is correct.
Pin 14 of K16A H: Normal
 - Check that the LENS SHIFT up and down signals are correct.
Pins 5 and 6 of IC1631
 - Check that the LENS SHIFT left and right signals are correct.
Pins 5 and 6 of IC1621
 - Check that the FOCUS up and down signals are correct.
Pins 5 and 6 of IC1611
 - Check that the ZOOM up and down signals are correct.
Pins 5 and 6 of IC1601
 - Check that the LENS SHIFT motor drive signals are correct.
Pins 10 and 2 of IC1631 and IC1621
 - Check that the FOCUS motor drive signals are correct.
Pins 10 and 2 of IC1611
 - Check that the ZOOM motor drive signals are correct.
Pins 10 and 2 of IC1601
- Horizontal shift function does not equip in some particular models. ----

Motor drive IC block diagram



Truth table IC1601/IC1611/IC1621/IC1631

Input		Output		Operation
5	6	2	10	
H	L	H	L	Forward(reverse) drive
L	H	L	H	Reverse(forward) drive
L	L	L	L	Braking

TEMPERATURE ABNORMALITY -1

Troubleshooting

System Control

NOTE : Temperature monitor operation

The temperature monitor system is provided to prevent damage of optical components (the LCD panel and polarization film etc.) inside a projector from overheating. Two protection systems are provided. Each system operation as follows :

The temperature monitor -1:

To control the air-flow of the cooling fans.

The CPU checks the temperature and atmospheric pressure inside a projector. It checks a temperature using temperature sensor-IC801 and it checks an atmospheric pressure using pressure sensor-IC886. CPU judges data from sensors and controls the air flow of the cooling fans so the temperature inside the projector is maintained to normal temperature.

To shut down the projector urgent.

The CPU checks temperature of LCD panel periphery and inhalation air(ICS801). If each part temperature reaches to abnormal temperature, the CPU will turn off a projector, and will blink TEMPERATURE WARNING indicator at intervals of 0.6 seconds. Cooling fans operate until temperature returns to normal. Indicator will stop blink, if temperature returns to normal. Trace the cause of the abnormalities-temperature, and repair the projector.

The temperature monitor -2 :

Temperature check of lamps.

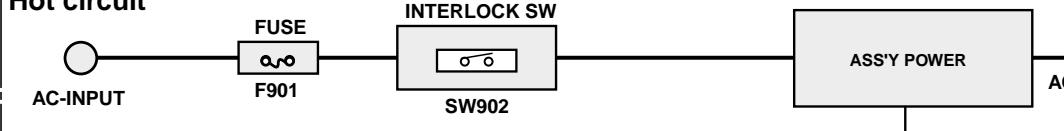
Temperature switches (SW 903~904) are arranged near the two lamps. Temperature switches will operate, if temperature reaches 90~100 degrees. When temperature switches have operated, lamp ballast units will be shut down, then a projector will be turned off.

Note;

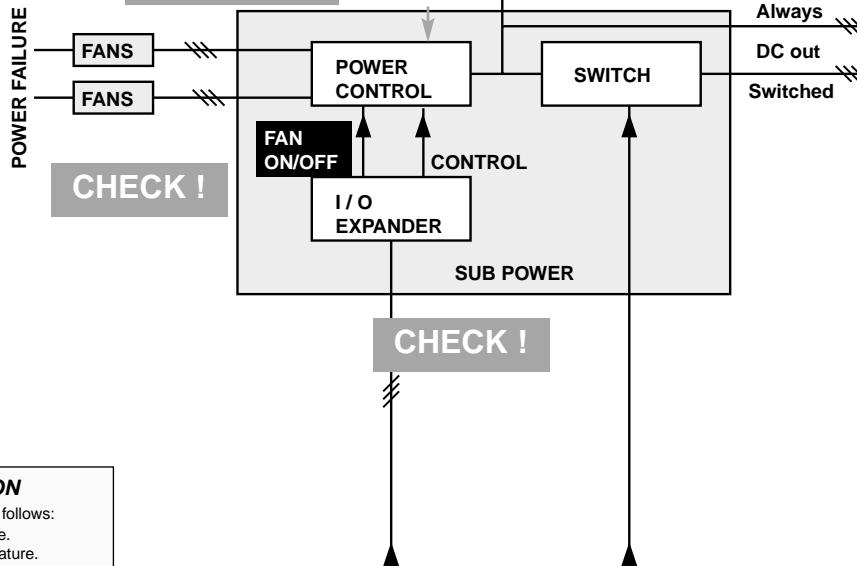
(1) If other protection equipments (The function of fan operation check, The function of voltage check "Power-failure" and Temperature monitor 1) are rightly operating, the lamp does not become an unusual temperature. So, the temperature monitor 2 rarely operates. However, when those protection equipments do not operate with fault, the temperature monitor 2 operates and the broken protection equipment is covered. If this temperature monitor 2 operates, it is thought fault of other protection equipments. Also trace the cause of fault of other protection equipments with the cause of an unusual temperature.

(2) The CPU does not check operation of temperature switches. Therefore, when temperature switches have operated and a projector has shut down, TEMPERATURE-WARNING indicator does not blink.

Hot circuit



CHECK Fan

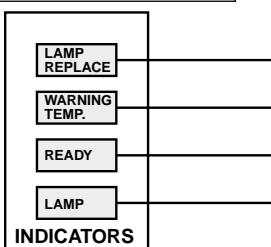


*NOTE : TEMP. MONITOR LED OPERATION

The red LED indicates temperature monitor operation as follows:
LED off: Normal temperature.
LED flashes in 0.6 second interval: Abnormal temperature.

Doesn't the temperature warning indicator (red) blink?

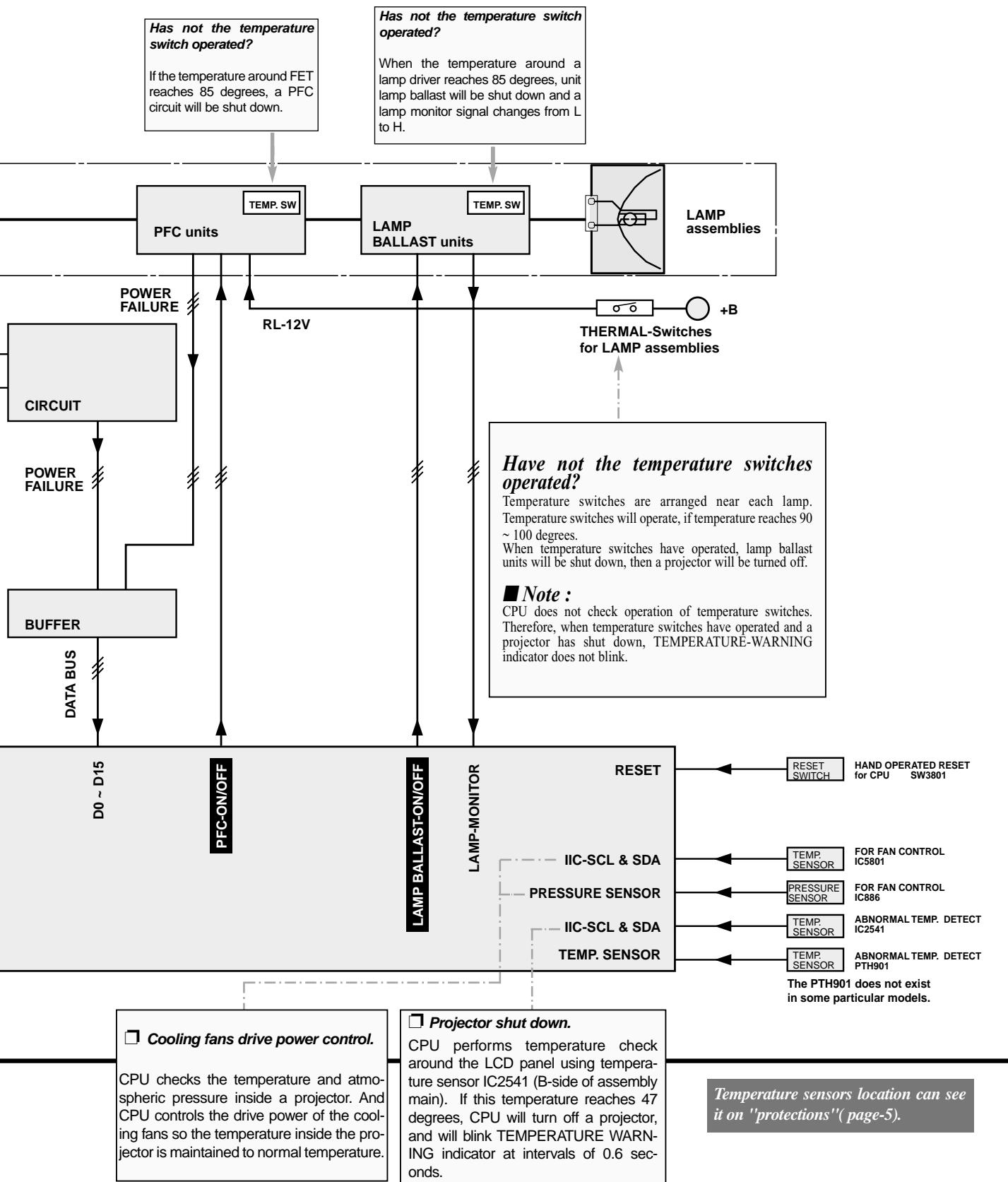
The projector is turned off when the temperature around the LCD panel reaches 46 - 48 degrees. And a temperature warning indicator blinks.



CPU IC801
and
I/O
EXPANDER
IC1831

NOTE : CPU OPERATION

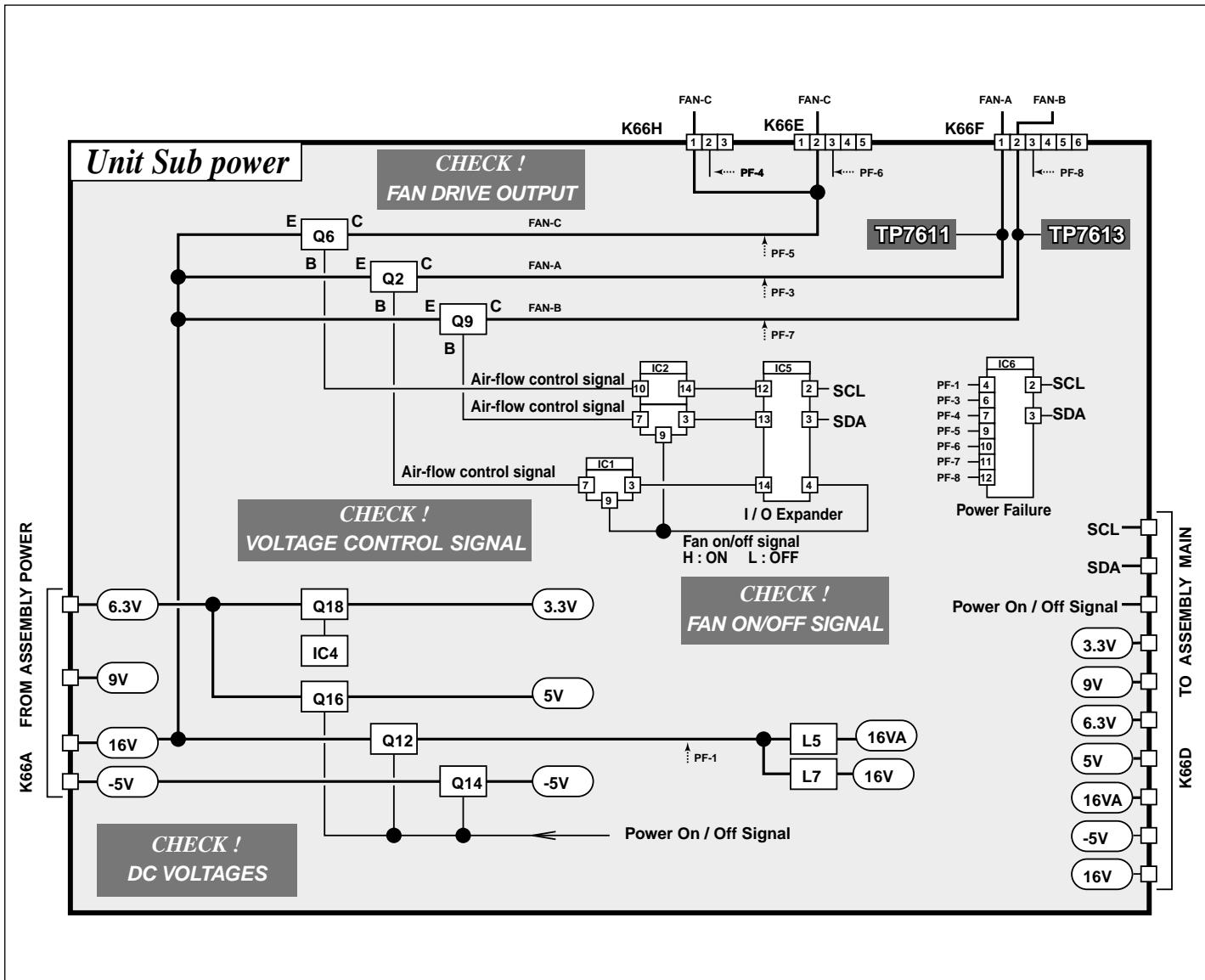
- CPU (IC801) performs an input check by the IIC-SDA signal pin.
- When it has detected abnormal condition, CPU turns off the projector compulsorily. Cooling fans operate until temperature returns to normal. Moreover, a projector cannot be turned on during this period.



NO POWER -3 and TEMPERATURE ABNORMALITY -2

Troubleshooting

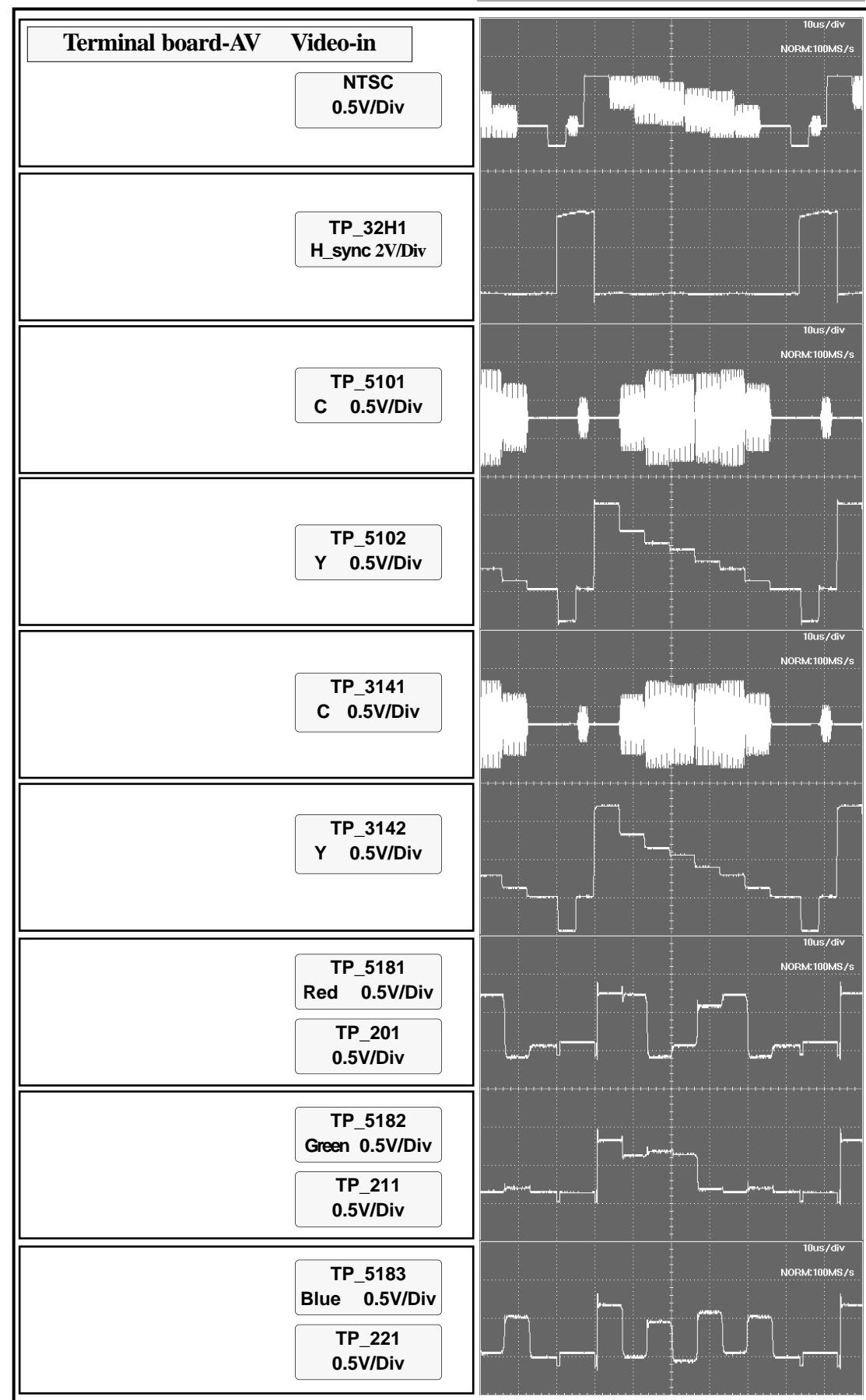
Check the DC Voltages and Air-flow control circuit



Waveforms

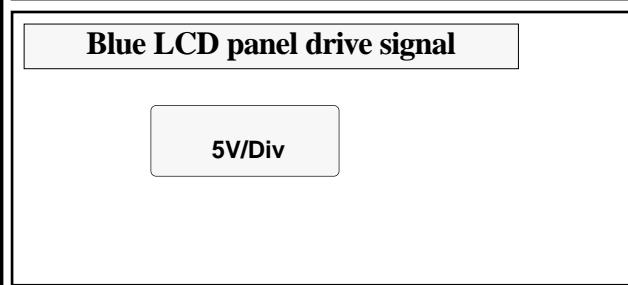
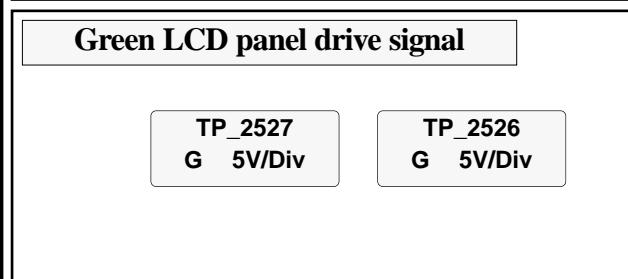
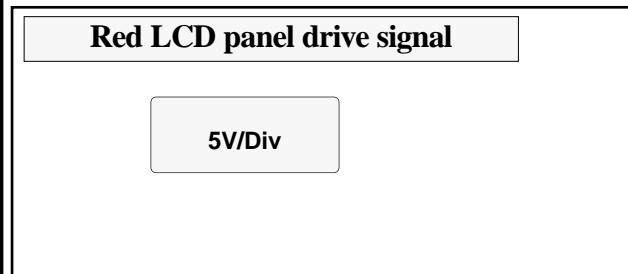
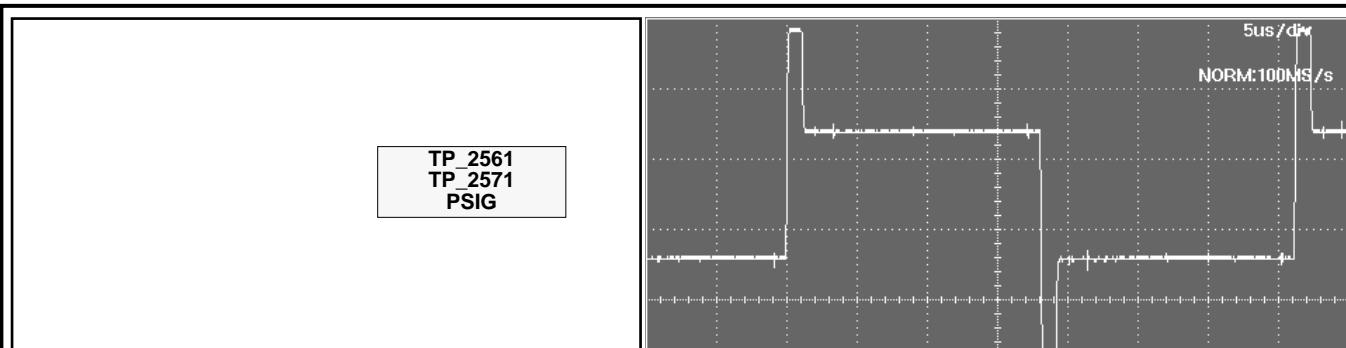
Timing chart

10us/Div

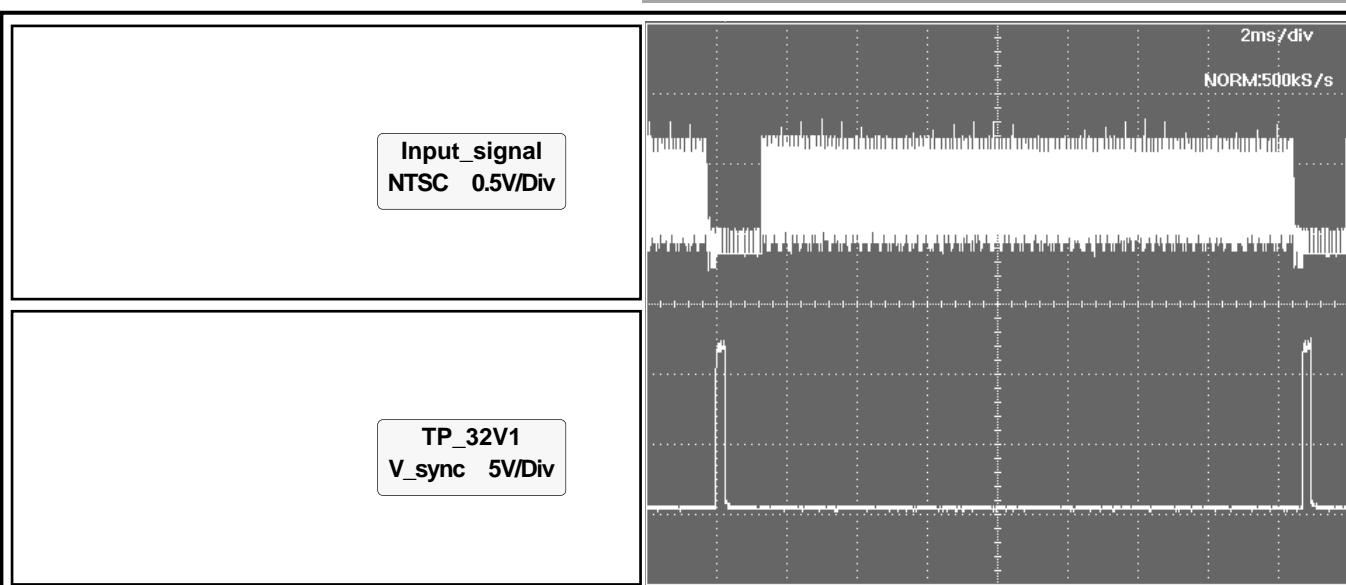


Timing chart

5us/Div



2ms/Div



Alignment procedures

Service adjustment menu operation

■ To enter the "service mode."

To enter the service mode, press the "MENU" and "IMAGE" buttons on the projector simultaneously and hold for 2 seconds. As shown in a figure, a service mode display appears on a screen.

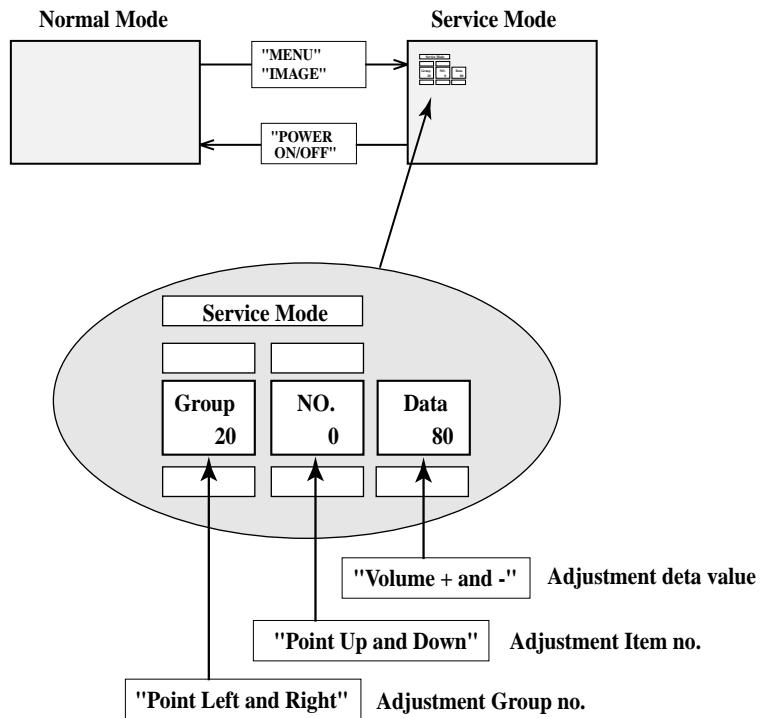
■ Adjustment.

Adjust service data using the following control buttons.

1. "POINT RIGHT" -- A group number increases.
2. "POINT LEFT" ---- A group number decreases.
3. "POINT UP" ----- An item number increases.
4. "POINT DOWN" -- An item number decreases.
5. "VOLUME+" ----- An adjustment value increases.
6. "VOLUME - " ----- An adjustment value decreases.

■ To exit the "service mode."

Press the "POWER on/off" button only once on the projector or remote control unit to quit the service mode.



■ Readjustments after Parts Replacement :

After replacing electric parts and optical parts, electric readjustment and optical readjustment are required. Refer to the section of "parts list" for the required readjustment items after parts replacement.
(Refer to page 64.)

■ Service mode adjustment Menu

Group-no.	Adjustment Item	Adjustment Mode			
		Not designated	PC	AV	Component
140-0	Fans-A driving voltage adjustment	●			
140-1	Fans-A driving voltage adjustment	●			
140-2	Fans-C driving voltage adjustment	●			
140-3	Fans-C driving voltage adjustment	●			
140-4	Fans-B driving voltage adjustment	●			
140-5	Fans-B driving voltage adjustment	●			
200-0	G-Video center DC adjustment		●		
200-1	R-Video center DC adjustment		●		
200-2	B-Video center DC adjustment		●		
200-3	PSIG signal adjustment		●		
200-4	PSIG signal adjustment		●		
200-5	Green pedestal level adjustment -PC		●		
200-6	Red pedestal level adjustment -PC		●		
200-7	Blue pedestal level adjustment -PC		●		
200-8	Green Contrast adjustment-PC		●		
200-9	Red Contrast adjustment-PC		●		
200-10	Blue Contrast adjustment-PC		●		
200-11	Green panel driving signal adjustment -PC		●		
200-12	Green panel driving signal adjustment -PC		●		
200-13	Red panel driving signal adjustment -PC		●		
200-14	Red panel driving signal adjustment -PC		●		
200-15	Blue panel driving signal adjustment -PC		●		
200-16	Blue panel driving signal adjustment -PC		●		
200-17	Flicker reduction--Green		●		
200-18	Flicker reduction--Red		●		
200-19	Flicker reduction--Blue		●		
210-5	Green pedestal level adjustment -AV			●	
210-6	Red pedestal level adjustment -AV			●	
210-7	Blue pedestal level adjustment -AV			●	
210-8	Green Contrast adjustment-AV			●	
210-9	Red Contrast adjustment-AV			●	
210-10	Blue Contrast adjustment-AV			●	
210-11	Green panel driving signal adjustment -AV			●	
210-12	Green panel driving signal adjustment -AV			●	
210-13	Red panel driving signal adjustment -AV			●	
210-14	Red panel driving signal adjustment -AV			●	
210-15	Blue panel driving signal adjustment -AV			●	
210-16	Blue panel driving signal adjustment -AV			●	

Group-no.	Adjustment Item	Adjustment Mode			
		Not designated	PC	AV	Component
210-14 & 16	AV White balance adjustment. 2 lamp mode			●	
200-14 & 16	PC White balance adjustment. 2 lamp mode		●		
211-14 & 16	AV White balance adjustment. Lamp-1 of 1 lamp mode			●	
212-14 & 16	AV White balance adjustment. Lamp-2 of 1 lamp mode			●	
1000-25	AV Color and Tint adjustment			●	
1000-24	AV Color and Tint adjustment			●	
1010-0	AV Green Video signal adjustment			●	
1010-1	AV Green Video signal adjustment			●	
1010-2	AV Red Video signal adjustment			●	
1010-3	AV Red Video signal adjustment			●	
1010-4	AV Blue Video signal adjustment			●	
1010-5	AV Blue Video signal adjustment			●	
0-0	Temperature monitor IC5801 Read only	●			
0-1	Temperature monitor IC2541 Read only	●			
1-0	Atmospheric Pressure monitor IC886 Read only	●			
10-0	RS232C Baud rate (0:9600 / 1:19200)	●			
10-1	RS232C RTS/CTS Flow Control (0:Disable / 1:Enable)	●			
111-0	Lamp-1 Lamp illumination time Read only	●			
111-1	Lamp-2 Lamp illumination time Read only	●			
930-0	Lamp mode 2 (Full) Lamp Mode (See Note.)	●			
930-1	Lamp mode Lamp-1 of 1 Lamp Mode (See Note.)	●			
930-2	Lamp mode Lamp-2 of 1 Lamp Mode (See Note.)	●			
998-0	Grid Test Pattern Display	●			

Note : Group-no. 930

- If the data value appears "11" on the screen, the lamp mode is selected.
- If the data value appears "0" on the screen, the lamp mode is not selected. Set the data value to "10."
- If the data value appears "99" on the screen, it is period for cooling of the lamp. Wait until it is changed to "0." Then set the data value to "10."



Caution :

Other adjustment items are not related to service and a maintenance. Don't change the data values of those adjustment items. Otherwise it may cause loss of product safety.

■ Electrical adjustments

Note :

■ The following adjustment is the adjustment item for Assembly power. The test point exists on **the Assembly power**.

1. Voltage adjustment.

■ The following adjustments are the adjustment item for Terminal board-AV. The adjustment data is stored to Terminal board-AV (IC2143). The test points exist on **the Terminal board-AV and the Assembly main**.

2. AV Video signal adjustments.

3. 3DNR-PLL Lock check.

4. AV Color and Tint adjustments.

■ The following adjustment is the adjustment item for Assembly sub power. But the adjustment data is stored to Assembly main (IC1811 and IC871). The test points exist on **the Assembly optical fan-net and the Assembly sub-power**.

5. Fans driving voltage adjustments.

■ The following adjustments are the adjustment item for Assembly main. The adjustment data is stored to Assembly main (IC1811 and IC871). The test points exist on **the Assembly main**.

6. Video center DC adjustments.

7. PSIG signal adjustments.

8. PC contrast adjustments.

9. AV contrast adjustments.

10. Panel driving signal adjustments -AV.

11. Panel driving signal adjustments -PC.

12. Flicker reduction.

13. White balance adjustments.

14. Unevenness color correction.

*Location of test points can see it on
"PWB parts location diagrams."
(P1, P3 and P4)*

1. Voltage adjustment

Equipment Connections	Digital voltmeter + K6D(2) - chassis ground
-----------------------	---

Adjustment:
Adjust the voltage of K6D to **6.35± 0.05V DC** with the VR652.

2. AV Video signal adjustments

Equipment	Oscilloscope
Input mode	AV
Input signal	16 step gray scale signal
Picture condition	Normal

Set the image to "Service mode."

2-1. AV Green Video adjustment

Connections : + TP211 or TP5182 / - chassis ground.
Adjust each item for below values with the Volume + and - buttons.

Group No.	Adjustment part.	Adjustment or adjustment value.
1010- 0	Amplitude-A in a figure.	0.7± 0.05Vp-p
1010- 1	Pedestal level and black level.	Make it the same level.

2-2. AV Red Video adjustment

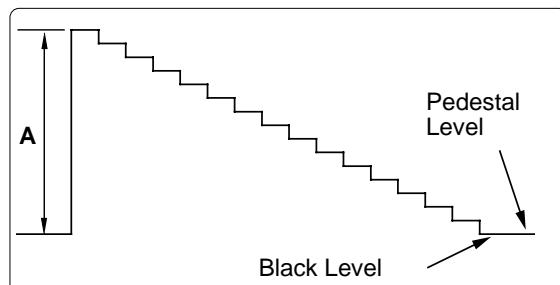
Connections : + TP201 or TP5181 / - chassis ground.
Adjust each item for below values with the Volume + and - buttons.

Group No.	Adjustment part.	Adjustment or adjustment value.
1010- 2	Amplitude-A in a figure.	0.7± 0.05Vp-p
1010- 3	Pedestal level and black level.	Make it the same level.

2-3. AV Blue Video adjustment

Connections : + TP221 or TP5183 / - chassis ground.
Adjust each item for below values with the Volume + and - buttons.

Group No.	Adjustment part.	Adjustment or adjustment value.
1010- 4	Amplitude-A in a figure.	0.7± 0.05Vp-p
1010- 5	Pedestal level and black level.	Make it the same level.



3. The voltage check of the 3D-Noise-reduction-PLL circuit.

Equipment	Digital voltmeter
Connections :	+ TP5103/ - chassis ground.
Input mode	AV
Input signal	Color bar signal(PAL)
Picture condition	Normal

Check that the voltage of the TP5103 is correct.

The voltage of the TP5103 is outputted between **2.85 V and 2.95 VDC**.

If the voltage of the TP5103 is not correctly, check the periphery of the 3D-Noise-reduction-PLL circuit and repair it.

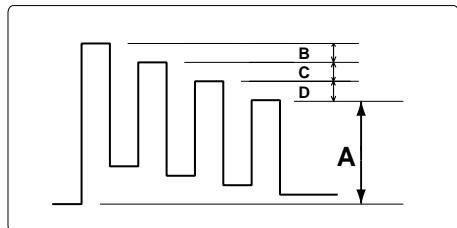
4. AV Color and Tint adjustments

Equipment	Oscilloscope.
Input mode	AV.
Input signal	Color bar signal(NTSC)
Picture condition	Normal.
Connections	+ TP221 or TP5183 - chassis ground.

Set the image to "Service mode."

Adjust each item for below values with the Volume + and - buttons.

Group	No.	Adjustment part.	Adjustment or adjustment value.
1000-	25	Amplitude-A in a figure.	0.45±0.02Vp-p
1000-	24	Part-B, C and D in a figure.	Make those the same width.



5. Fan driving voltage adjustments

Equipment Digital voltmeter.

Set the image to "Service mode."

Adjust each item for below values with the Volume + and - buttons.

Group	No.	Connection	Adjustment or adjustment value.
140-	0	TP7611 (Fan-A)	9.0± 0.1VDC
140-	1	TP7611 (Fan-A)	14.0± 0.1VDC
140-	2	TP2641 (Fan-C)	9.0± 0.1VDC
140-	3	TP2641 (Fan-C)	13.5± 0.1VDC
140-	4	TP7613 (Fan-B)	9.5± 0.1VDC
140-	5	TP7613 (Fan-B)	14.0± 0.1VDC

6. Video center DC adjustments

Equipment Digital voltmeter.

Computer.

Input signal 16 step gray scale signal.

Set the image to "Service mode."

Adjust each item for below values with the Volume + and - buttons.

Group	No.	Connection	Adjustment or adjustment value.
200-	0	TP2526 (G-DC)	7.4 ± 0.1VDC
200-	1	TP2536 (R-DC)	7.4 ± 0.1VDC
200-	2	TP2516 (B-DC)	7.4 ± 0.1VDC

7. PSIG signal adjustments

Equipment Oscilloscope.

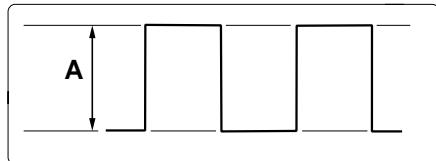
Computer.

Input signal 16 step gray scale signal

Set the image to "Service mode."

Adjust each item for below values with the Volume + and - buttons.

Group	No.	Connection	Adjustment part.	Adjustment or adjustment value.
200-	3	TP2561	Amplitude-A in a figure.	10.0 ± 0.1Vp-p
200-	4	TP2571	Amplitude-A in a figure	3.8 ± 0.1Vp-p



8. Contrast adjustments-PC

Equipment Oscilloscope.

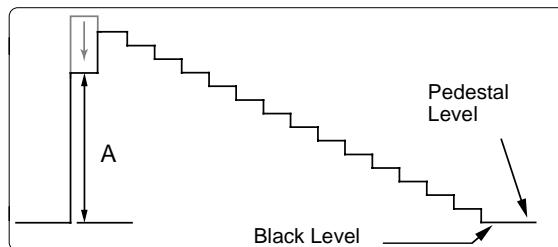
Computer.

Input signal 16 step gray scale signal

Set the image to "Service mode."

Adjust each test point value part-A in a figure minimum amplitude with the Volume + and - buttons.

Group	No.	Connection
200-	8	TP2526 (Green contrast adjustment)
200-	9	TP2536 (Red contrast adjustment)
200-	10	TP2516 (Blue contrast adjustment)

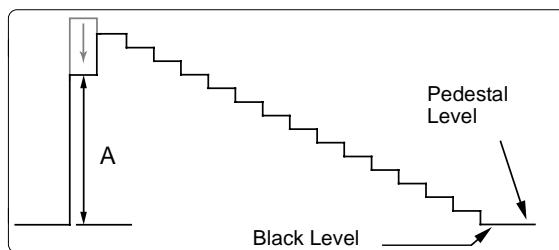


9. Contrast adjustments-AV

Equipment Oscilloscope.
 Input mode AV.
 Input signal 16 step gray scale signal
 Set the image to "Service mode."

Adjust each test point value part-A in a figure minimum amplitude with the Volume + and - buttons.

Group	No.	Connection
210-	8	TP2526 (Green contrast adjustment)
210-	9	TP2536 (Red contrast adjustment)
210-	10	TP2516 (Blue contrast adjustment)



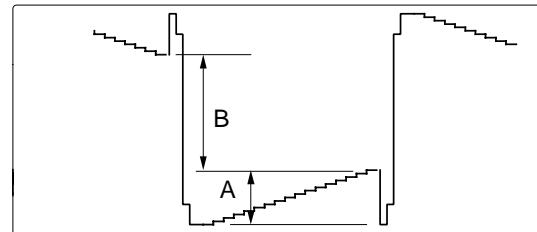
10. Panel driving signal adjustments -AV

Equipment Oscilloscope.
 Input mode AV.
 Input signal 16 step gray scale signal
 Picture condition Normal.

Set the image to "Service mode."

Adjust each item for below values with the Volume + and - buttons.

Group	No.	Connection	Adjustment part.	Adjustment or adjustment value.
210-	11	TP2526(Green)	Amplitude-A in a figure.	$4.0 \pm 0.05\text{Vp-p}$
210-	12	TP2526(Green)	Amplitude-B in a figure.	$1.6 \pm 0.05\text{Vp-p}$
210-	13	TP2536(Red)	Amplitude-A in a figure.	$4.0 \pm 0.05\text{Vp-p}$
210-	14	TP2536(Red)	Amplitude-B in a figure.	$1.6 \pm 0.05\text{Vp-p}$
210-	15	TP2516(Blue)	Amplitude-A in a figure.	$4.0 \pm 0.05\text{Vp-p}$
210-	16	TP2516(Blue)	Amplitude-B in a figure.	$1.6 \pm 0.05\text{Vp-p}$



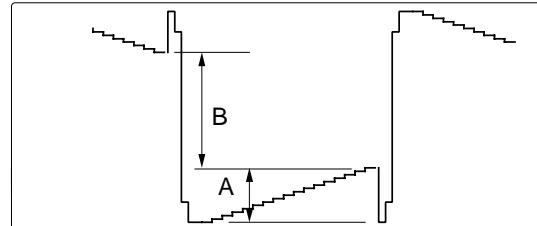
11. Panel driving signal adjustments -PC

Equipment Oscilloscope.
 Input mode Computer
 Input signal 16 step gray scale signal

Set the image to "Service mode."

Adjust each item for below values with the Volume + and - buttons.

Group	No.	Connection	Adjustment part.	Adjustment or adjustment value.
200-	11	TP2526(Green)	Amplitude-A in a figure.	$4.0 \pm 0.05\text{Vp-p}$
200-	12	TP2526(Green)	Amplitude-B in a figure.	$1.5 \pm 0.05\text{Vp-p}$
200-	13	TP2536(Red)	Amplitude-A in a figure.	$4.0 \pm 0.05\text{Vp-p}$
200-	14	TP2536(Red)	Amplitude-B in a figure.	$1.5 \pm 0.05\text{Vp-p}$
200-	15	TP2516(Blue)	Amplitude-A in a figure.	$4.0 \pm 0.05\text{Vp-p}$
200-	16	TP2516(Blue)	Amplitude-B in a figure.	$1.5 \pm 0.05\text{Vp-p}$



12. Flicker reduction

Input mode Computer.
Input signal 1 dot line computer signal

Set the image to "Service mode."

Adjust each color for minimum flickers with the Volume + - buttons.

Group	No.	Screen
200-	17	Display only green light.
200-	18	Display only red light.
200-	19	Display only blue light.

13. White balance adjustments

Input signal 16 step gray scale signal

Set the image to "Service mode."

Adjust each item value with the Volume + and - buttons and to obtain better white balance.

Group	No.	Lamp mode	Input mode	Adjustment value.
930-	0			See note.
210-	14 and 16	2 lamp mode	AV	Better white balance.
200-	14 and 16	2 lamp mode	Computer	Better white balance.
930-	1			See note.
211-	14 and 16	Lamp-1 of 1 lamp mode	AV	Better white balance.
930-	2			See note.
212-	14 and 16	Lamp-2 of 1 lamp mode	AV	Better white balance.

= Note :

Check data value on the screen, and go to (1), (2) or (3).

- (1) If the data value appears "11" on the screen, go to (a).
- (2) If the data value appears "0" on the screen, go to (b).
- (3) If the data value appears "99" on the screen, go to (c).

- (a) Go to next white balance adjustment.
- (b) Set the data value to "10" and go to next white balance adjustment.
- (c) Wait until it is changed to "0". Then set the data value to "10" and go to next white balance adjustment.

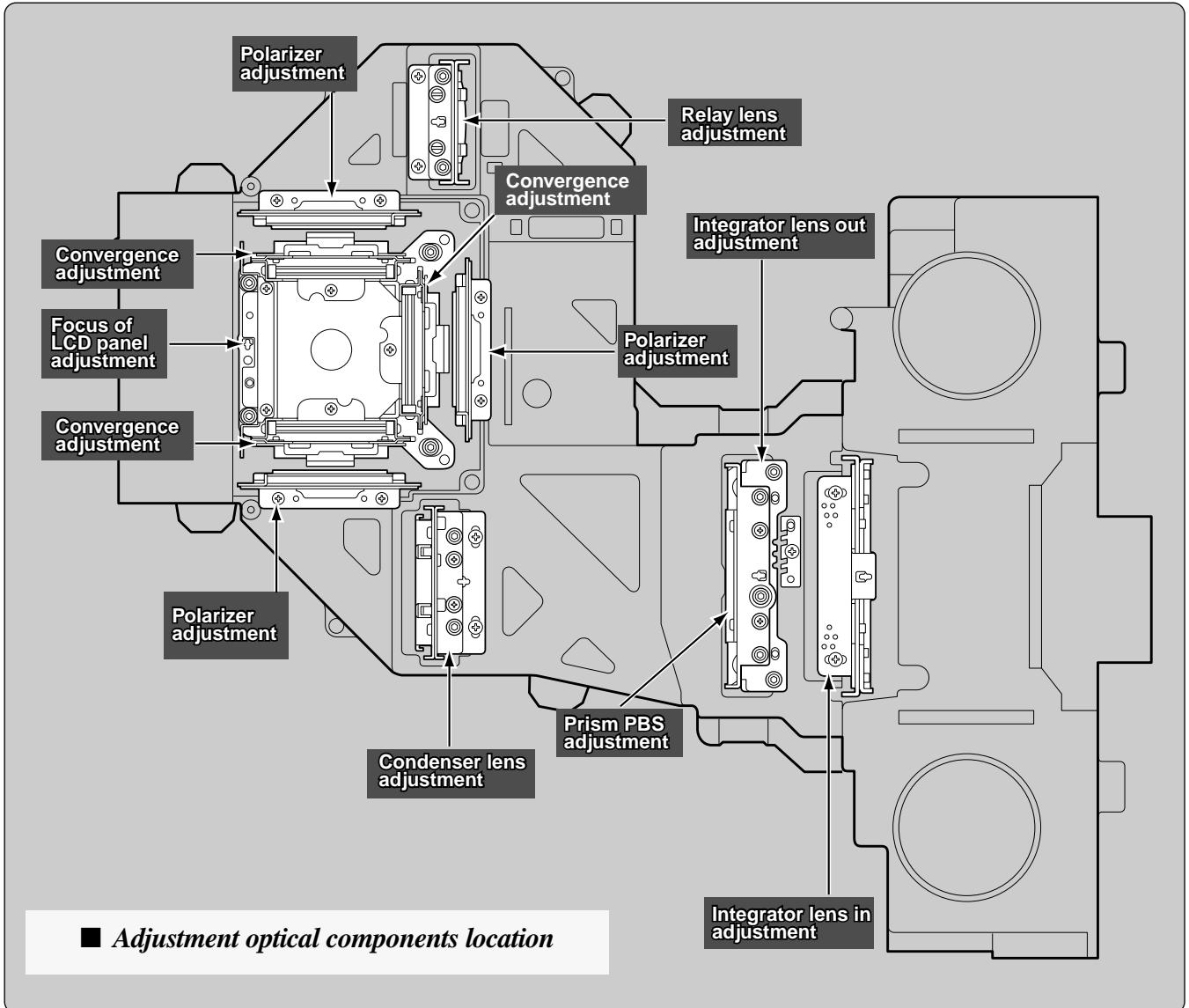
14. Unevenness color correction

If you find the Unevenness color on the screen, please correct it by using the proper computer and "color shading correction" software supplied separately.

The soft ware can be ordered as follows:

"Color shading correction"
Service part NO. : **645 051 2308**

Optical components adjustments



■ Before Adjustment of optical components.

1. Each adjustment requires ball allen wrenches set and slot screwdrivers set. Moreover, convergence adjustment requires an optional convergence adjustment tool "Convergence Adjuster."

The convergence adjustment tool can be ordered as follows:

"Convergence Adjuster"

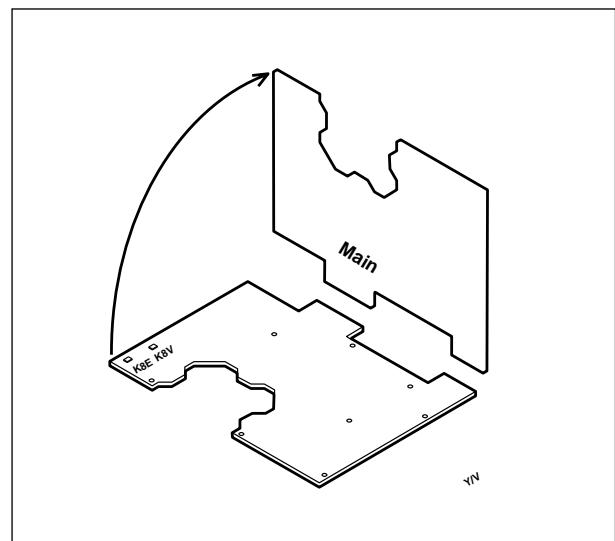
Service part NO. : **610 304 8208**

2. Set the position of motorized lens shift to the center position.
(The position where an arrow becomes red on a screen is a center position.)
3. The test pattern display exists in service mode. Use it at the time of LCD Panel Focus adjustment and convergence adjustment.
 - (a) Set the image to "service mode."
 - (b) Select Group no. 998-0.
 - (c) Press the Volume+ - buttons, and each color grid pattern is displayed.
 - (d) Press menu button to quit the service mode.
4. When adjusting lenses of the Relay and Condenser, follow the following procedure.
 - (a) Remove the connector K8E, connector K8V and the flexible cables of the LCD panels from the assembly Main. (*Never touch the electrode of flexible cables.*)
 - (b) As shown in a figure, Set the assembly-Main to the upright position.
 - (c) At this time, the assembly main must not short-circuit with the chassis. Protect assembly-Main using an insulator.

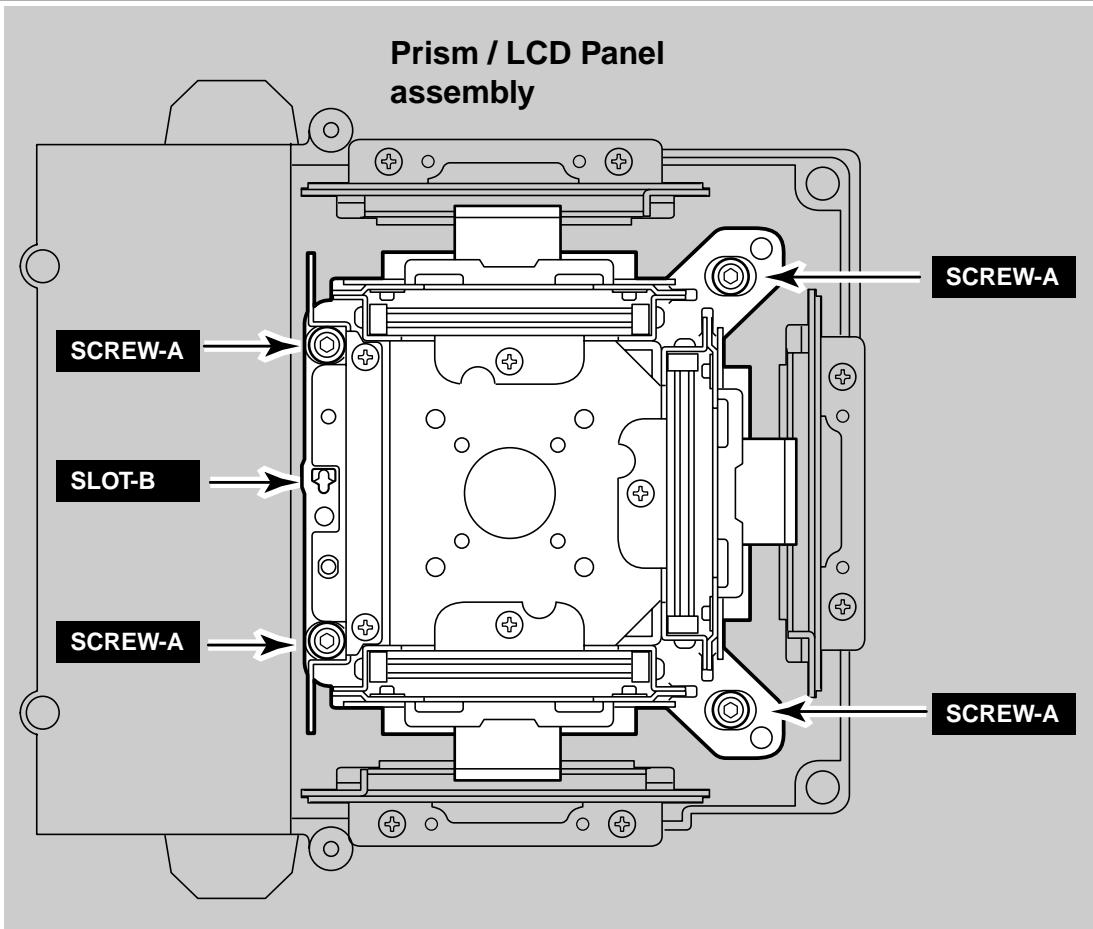
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== Adjustment item ==

- Focus of LCD Panel Adjustment
- LCD Panel convergence adjustment.
- Integrator-lens-out adjustment
- Integrator-lens-in adjustment
- Condenser-lens adjustment
- Relay-lens adjustment
- Prism P.B.S. adjustment
- Polarizer adjustment



■ Focus of LCD Panel Adjustment



= Before Adjustment : =

1. Turn on a projector.
2. Set the image to "service mode" and project a green grid pattern on a screen. And take the focus of green grid pattern, pressing the Focus(\blacktriangle)(∇) buttons on the projector or remote control unit.
3. Move the zoom position between TELE and WIDE, pressing the Zoom(\blacktriangle)(∇) buttons on the projector or remote control unit. If the focus of grid-pattern is shifted by zoom position moves between TELE and WIDE, readjustment is necessary. Adjust in the following procedure.

2. Set image size to the maximum, pressing Zoom(\blacktriangle) button on the projector or remote control unit.
3. Take the focus of green grid pattern, pressing Focus(\blacktriangle)(∇) buttons on the projector or remote control unit.
4. Set image size to the minimum, pressing Zoom(∇) button on the projector or remote control unit.
5. Insert a slot screwdriver into slot-B, turn it and take the focus of the green grid pattern.
6. Repeat steps 2 to 5. If the focus is not shifted by the ZOOM position moves between TELE and WIDE, it will be the completion of adjustment.
7. Tighten four screws-A to fix the assembly LCD panel / prism using ball allen wrench.

= Adjustment : =

1. Loosen four screws-A using ball allen wrench.

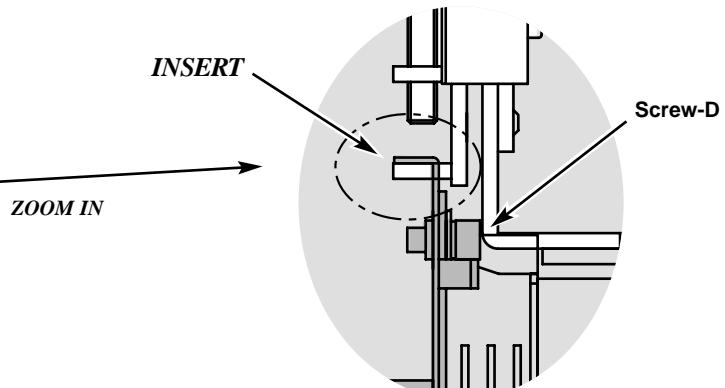
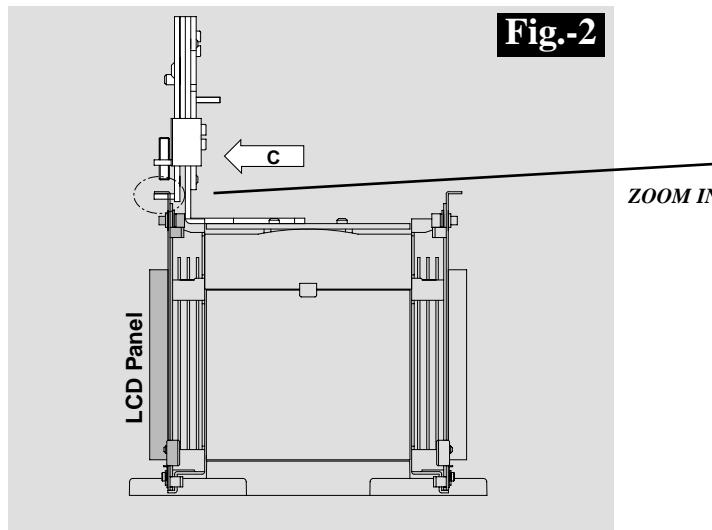
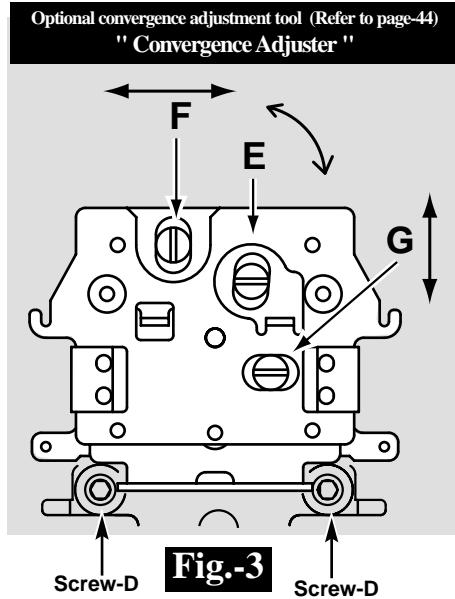
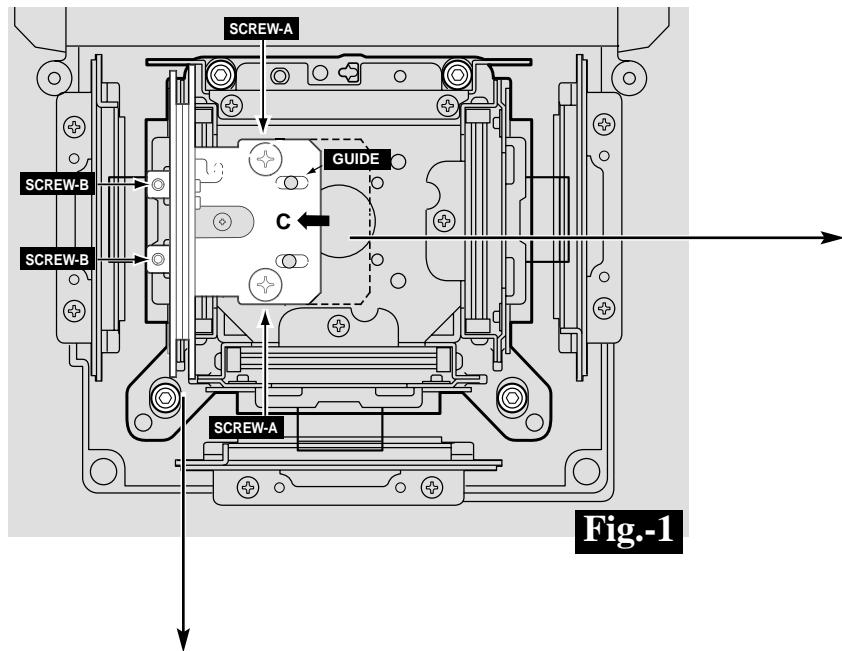
■ LCD Panel convergence adjustment.

■ Preparation before convergence adjustment.

Install a "convergence adjuster" in the following procedure before convergence adjustment.

1. Loosen 2 screws B of convergence adjuster. (Figure-1)
2. Put a convergence adjuster on a prism unit, insert 2 screws A and tighten it a bit. (Figure-1)
3. Loosen 2 screws D. (Figure-3 and 4) And move the LCD panel to the position which the convergence adjuster can connect easily.
4. Slide a convergence adjuster in the direction of arrow-C and insert a convergence adjuster in a LCD panel unit. (Figure-2 and 4.)
5. Tighten 2 screws A and 2 screws B. Preparation of convergence adjustment was completed.

To remove the adjuster, take reversed in the above.



■ LCD Panel convergence adjustment.

■ Before convergence adjustment.

Make sure each Red, green and Blue LCD Panel has been correctly installed, and that focus adjustment has been completed before performing convergence adjustment.

Screws E, F and G (Figure-3 on page-46.) are for convergence adjustment.

Caution:

■ DON'T REPLACE THE RED, GREEN AND BLUE LCD PANELS SIMULTANEOUSLY!

It becomes impossible to adjust a convergence, if all the LCD panels are simultaneously replaced. When all the LCD panels are damaged, replace the whole LCD panel / prism assembly.

■ DON'T USING LIGHT BLOCK SHEET.

Don't using light block sheet. It becomes the cause which burns polarizer.

■ Image movement and screw turning.

To make parallel. :

To converge vertical line.:

To converge horizontal line.:

Adjustment screw "E" turns the image.

Adjustment screw "F" moves the image right and left.

Adjustment screw "G" moves the image up and down.

■ Convergence adjustment

=

1. Set the image to "service mode" and project a grid pattern on a screen.
 - * When the Green LCD panel was replaced, project a cyan or yellow grid pattern.
 - * When the Red LCD panel was replaced, project a yellow grid pattern.
 - * When the Blue LCD panel was replaced, project a cyan grid pattern.
2. Loosen the 2 screws-D (Figure 3 and 4 on page46), or check that they are loosening.

= To make parallel. =

3. By using screw-E, turn the grid pattern which needs adjustment and make it parallel with standard grid pattern.
(Figure-5)



Fig.-5

= To converge vertical line.=

4. By using screw-F, move horizontally the grid pattern which needs adjustment and converge it on vertical lines of standard grid pattern.
(Figure-6)



Fig.-6

= To converge horizontal line.=

6. By using screw-G, move vertically the grid pattern which needs adjustment and converge it on horizontal lines of standard grid pattern.
(Figure-7)



Fig.-7

=

8. Tighten the 2 screws-D (previously loosened in step 2 above) with the allen wrench.
9. After tightening the screws, check the adjusted convergence condition. If not aligned repeat steps 2 through 8.
(The convergence condition may shift by tightening the screw-D.)

■ Integrator-lens-out adjustment

START

Integrator-lens-out unit

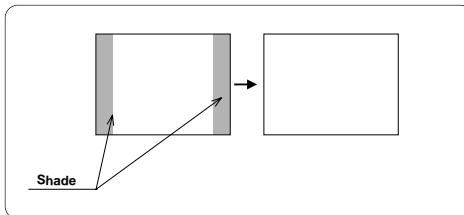
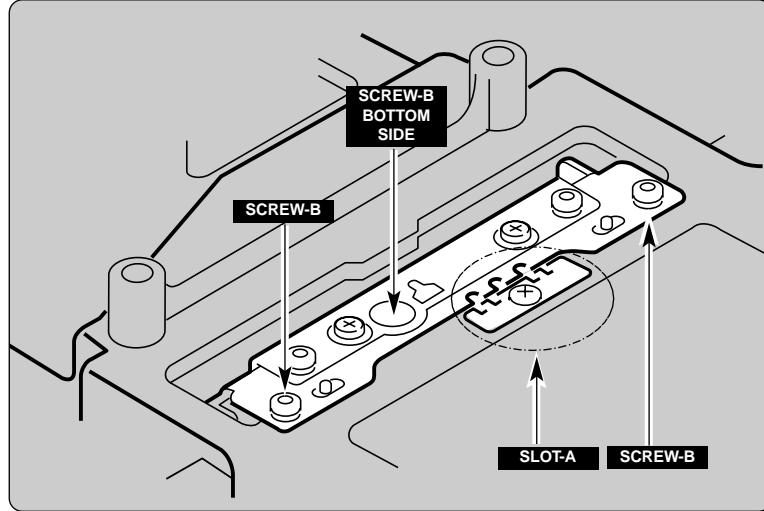
Before Adjustment :

1. Remove the flexible cables of LCD panels from the assembly Main. And turn on the projector.
2. If the shade appears on the left or right of the screen, adjust in the following procedure.

Adjustment :

1. Loosen three screws-B.
2. Insert a slot screwdriver into slot-A, turn it and erase shade.
3. Tighten the three screws B to fix the integrator lens-out unit.

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To light only the "Lamp-1."
(Refer to operation method-1 on page-49)

Check the condition of Unevenness color on
the screen.

Unevenness color : N.G.

Unevenness color : Good

Fine adjustment-1 Integrator lens out
(Refer to Fine adjustment-1 on page-49)

To light only the "Lamp-2."
(Refer to operation method-1 on page-49)

Check the condition of Unevenness color on
the screen.

Unevenness color : Good

Unevenness color : N.G.

To light the "Lamp 1 and 2." (Full lamp mode)
(Refer to operation method-1 on page-49)

Fine adjustment-1 Integrator lens out
(Refer to Fine adjustment-1 on page-49)

END

Operation method-1 :

- (A) Turn off the projector. Next, connect the flexible-cables of the LCD panels to the assembly Main. Turn on the projector.
 - (B) Set the image to "service mode."
 - (C) Select Group no. 930-0 (Full lamp mode) or
 - Select Group no. 930-1 (To light only the "Lamp-1.") or
 - Select Group no. 930-2 (To light only the "Lamp-2")
- Check data value on the screen, and go to (1), (2) or (3).
- (1) If the data value appears "11" on the screen, go to (a).
 - (2) If the data value appears "0" on the screen, go to (b).
 - (3) If the data value appears "99" on the screen, go to (c).
- (a) Go to (D).
 - (b) Set the data value to "10" and go to (D).
 - (c) Wait until it is changed to "0". Then set the data value to "10" and go to (D).
- (D) Press power on/off button to quit the service mode.
 - (E) Turn off the projector. Remove the flexible cables of LCD panels from the assembly Main.
And turn on the projector.

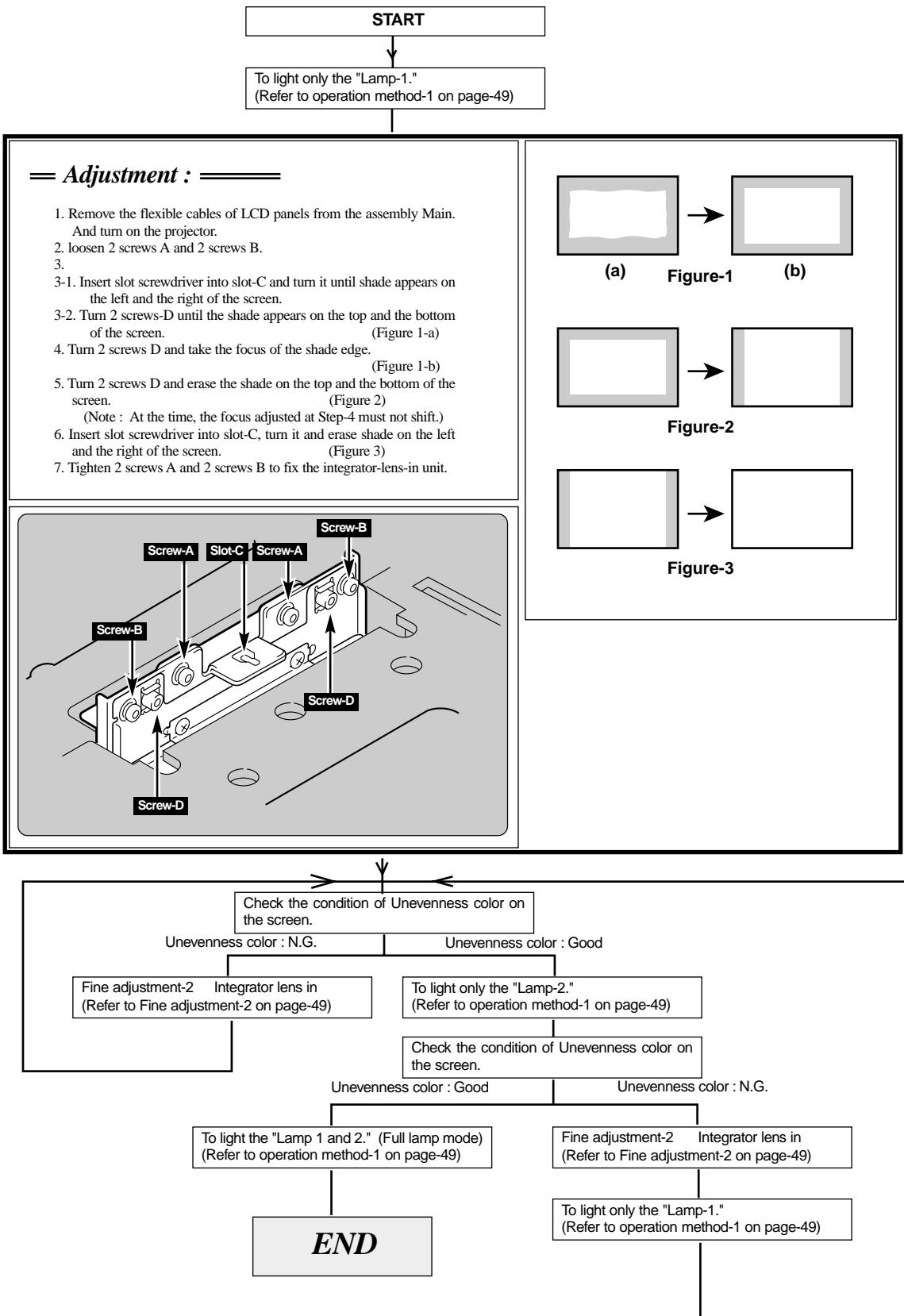
Fine adjustment-1 Integrator lens out

1. Loosen three screws-B on the Integrator lens out unit.
2. Insert a slot screwdriver into slot-A on the Integrator lens out unit, turn it and decrease Unevenness color.
3. Tighten the three screws B to fix the integrator lens-out unit.

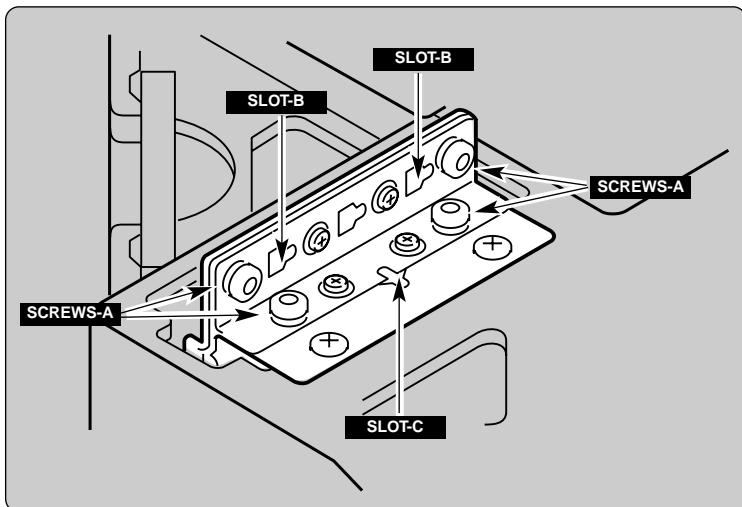
Fine adjustment-2 Integrator lens in

1. Loosen 2 screws-A on the Integrator lens in unit.
2. Insert a slot screwdriver into slot-C on the Integrator lens in unit, turn it and decrease Unevenness color.
3. Tighten the 2 screws A to fix the integrator lens-in unit.

■Integrator-lens-in adjustment



■ Condenser-lens adjustment



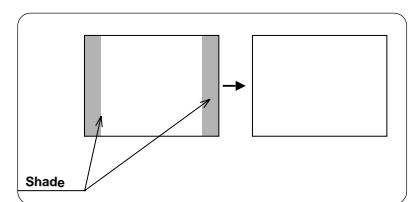
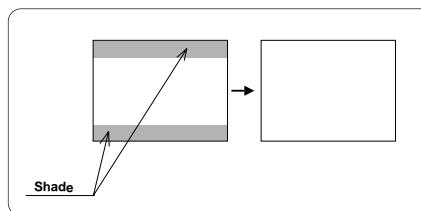
Before Adjustment :

1. Remove the connector K8E and connector K8V, and remove the flexible cables of LCD panels from the assembly Main. And turn on the projector.
2. If the shade appears on the screen, adjust in the following procedure.

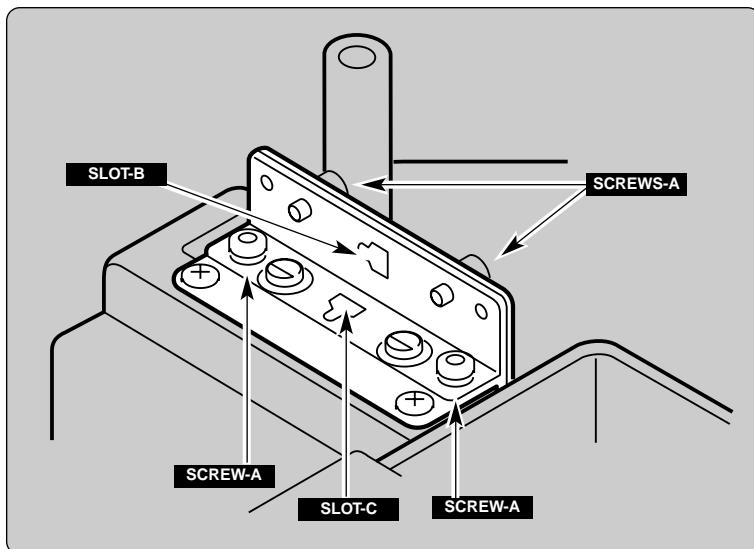
Adjustment :

1. Set the assembly-Main to the upright position.
2. Loosen four screws-A.
3. If it appears on the top or bottom.----> Use two slots-B.
If it appears on the left or right. ----> Use slot-C.
-- Insert slot screwdriver into each slot, turn it and erase shade. --
4. Tighten the four screws-A to fix the condenser-lens unit.

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■ Relay-lens adjustment



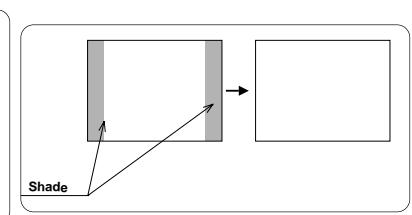
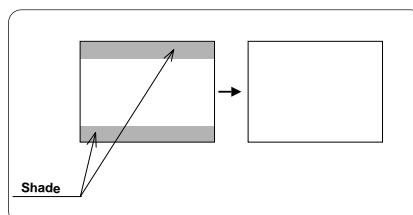
Before Adjustment :

1. Remove the connector K8E and connector K8V, and remove the flexible cables of LCD panels from the assembly Main. And turn on the projector.
2. If the shade appears on the screen, adjust in the following procedure.

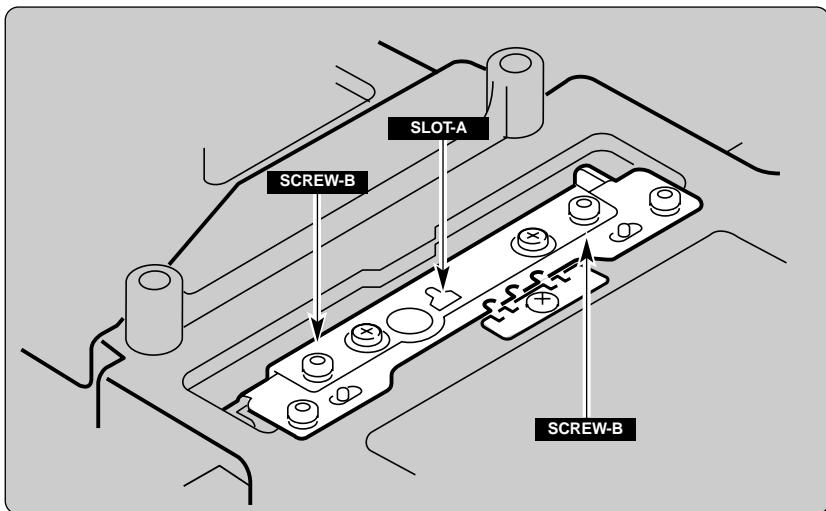
Adjustment :

1. Set the assembly-Main to the upright position.
2. Loosen four screws-A.
3. If it appears on the top or bottom.----> Use slot-B.
If it appears on the left or right. ----> Use slot-C.
-- Insert slot screwdriver into each slot, turn it and erase shade. --
4. Tighten the four screws-A to fix the Relay-lens unit.

Y8



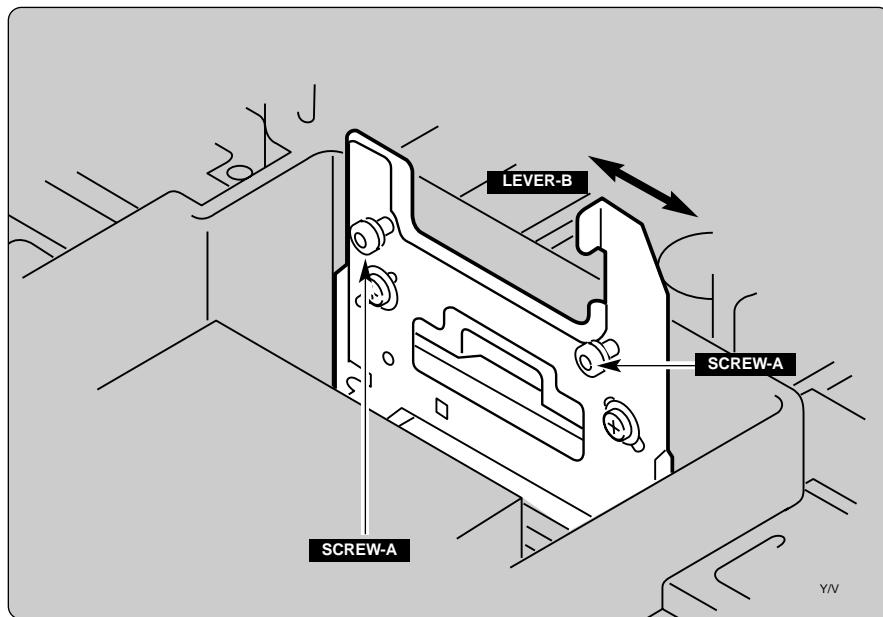
■ Prism P.B.S. adjustment



Adjustment :

1. Remove the flexible cables of LCD panels from the assembly Main. And turn on the projector.
2. Loosen two screws-B.
3. Insert a slot screwdriver into slot-A, turn it and adjust the center position of screen to maximum brightness.
4. Tighten the two screws-B to fix the prism PBS unit.

■ Polarizer adjustment



Adjustment :

1. Turn on a projector. And input the black raster signal(0% of white raster signal.)
2. Loosen two screws-A on the polarizer unit which you intend to adjust using ball allen wrench.
3. Move the lever-B in the direction of an arrow and adjust the brightness on the screen to the lowest level of black.
4. Tighten the two screws-A to fix the polarizer unit.
5. Repeat steps 2 to 4 and adjust the polarizer of other colors.

CPU and I/O-Expander Control port functions

CPU (IC801 144 pin) Control port functions

Pin No.	Name	Function Name	Function	Polarity	I/O
1	PA23/WRHH	USB RESET	USB Reset signal	Active L	O
2	PE14/TIOC4C/DACK0/AH				O
3	PA22/WRHL				
4	PA21/CASHH	RS232C_SW	RS232C Output select signal		O
5	PE15/TIOC4D/DACK1/IRQOUT	POWER SW	"L":Power OFF "H":Power ON		O
6	VSS	GND			
7	PC0/A0	ADDRESS0	Address Bus 0		O
8	PC1/A1	ADDRESS1	Address Bus 1		O
9	PC2/A2	ADDRESS2	Address Bus 2		O
10	PC3/A3	ADDRESS3	Address Bus 3		O
11	PC4/A4	ADDRESS4	Address Bus 4		O
12	VCC	5V			
13	PC5/A5	ADDRESS5	Address Bus 5		O
14	VSS	GND			
15	PC6/A6	ADDRESS6	Address Bus 6		O
16	PC7/A7	ADDRESS7	Address Bus 7		O
17	PC8/A8	ADDRESS8	Address Bus 8		O
18	PC9/A9	ADDRESS9	Address Bus 9		O
19	PC10/A10	ADDRESS10	Address Bus 10		O
20	PC11/A11	ADDRESS11	Address Bus 11		O
21	PC12/A12	ADDRESS12	Address Bus 12		O
22	PC13/A13	ADDRESS13	Address Bus 13		O
23	PC14/A14	ADDRESS14	Address Bus 14		O
24	PC15/A15	ADDRESS15	Address Bus 15		O
25	PB0/A16	ADDRESS16	Address Bus 16		O
26	VCC	5V			
27	PB1/A17	ADDRESS17	Address Bus 17		O
28	VSS	GND			
29	PA20/CASHL	SCL 1	IIC Bus 1 Clock		I/O
30	PA19/BACK/DRAK1	SDA 1	IIC Bus 1 Data		I/O
31	PB2/IRQ0/POE0/RAS				
32	PB3/IRQ1/POE1/CASL				
33	PA18/BREQ/DRAK0	SYS SW	IC on/off Switch (ON="L", OFF="H")		O
34	PB4/IRQ2/POE2/CASH	AFT-V	V SYNC Input (LCD Panel Drive)	Active L	I
35	VSS	GND			
36	PB5/IRQ3/POE3/RDWR				I
37	PB6/IRQ4/A18/BACK	ADDRESS18	Address Bus 18		O
38	PB7/IRQ5/A19/BREQ	ADDRESS19	Address Bus 19		O
39	PB8/IRQ6/A20/WAIT	ADDRESS20	Address Bus 20		O
40	VCC	5V			
41	PB9/IRQ7/A21/ADTRG	ADDRESS21	Address Bus 21		O
42	VSS	GND			
43	PA14/RD	READ	Read Signal	Active L	O
44	WDTOVF				
45	PD31/D31/ADTRG	RTS	RS232C RTS (Request To Send)		O
46	PD30/D30/IRQOUT	CTS	RS232C CTS (Clear To Send)		I
47	PA13/WRH				
48	PA12/WRL	WRL	Write Signal (L-8Bit)	Active L	O
49	PA11/CS1				
50	PA10/CS0	CS0	Flash Memory Chip Select	Active L	O
51	PA9/TCLKD/IRQ3	SCL 2	IIC Bus 2 Clock		I/O
52	PA8/TCLKC/IRQ2	SDA 2	IIC Bus 2 Data		I/O
53	PA7/TCLKB/CS3	CS3	USB/IP/IO EXP/SRAM/FIFO Chip Select	Active L	O
54	PA6/TCLKA/CS2	CS2	CXD3511Q Chip Select	Active L	O
55	VSS	GND			
56	PD29/D29/CS3				
57	PD28/D28/CS2	PW_SEL	PW365 232C Select(SH="H",PIXEL="L")		O
58	PD27/D27/DACK1	PW_INTR	PW365 Interrupt Signal		O
59	PD26/D26/DACK0	PW_OUT1	PW365 Data Outout		O
60	PD25/D25/DREQ1	PW_OUT0	PW365 Data Output		O
61	VSS	GND			
62	PD24/D24/DREQ0				
63	VCC	5V			
64	PD23/D23/IRQ7				
65	PD22/D22/IRQ6				
66	PD21/D21/IRQ5				
67	PD20/D20/IRQ4	SCONF_DONE	Single to Dual converter Enhancer Done Signal		I/O
68	PD19/D19/IRQ3	SSTATUSq	Single to Dual converter Enhancer Status Signal		I/O
69	PD18/D18/IRQ2	PW_IN1	PW365 Data Input		I
70	PD17/D17/IRQ1	PW_IN0	PW365 Data Input		I
71	VSS	GND			

CPU and I/O-Expander Control port functions

Pin No.	Name	Function Name	Function	Polarity	I/O
72	PD16/D16/IRQ0	PW_PG_SEL	PW365 232C Write SW(SH="H",PIXEL="L")		I
73	PD15/D15	DATA15	Data Bus 15		I/O
74	PD14/D14	DATA14	Data Bus 14		I/O
75	PD13/D13	DATA13	Data Bus 13		I/O
76	PD12/D12	DATA12	Data Bus 12		I/O
77	VCC	5V			
78	PD11/D11	DATA11	Data Bus 11		I/O
79	VSS	GND			
80	PD10/D10	DATA10	Data Bus 10		I/O
81	PD9/D9	DATA9	Data Bus 9		I/O
82	PD8/D8	DATA8	Data Bus 8		I/O
83	PD7/D7	DATA7	Data Bus 7		I/O
84	PD6/D6	DATA6	Data Bus 6		I/O
85	VCC	5V			
86	PD5/D5	DATA5	Data Bus 5		I/O
87	VSS	GND			
88	PD4/D4	DATA4	Data Bus 4		I/O
89	PD3/D3	DATA3	Data Bus 3		I/O
90	PD2/D2	DATA2	Data Bus 2		I/O
91	PD1/D1	DATA1	Data Bus 1		I/O
92	PD0/D0	DATA0	Data Bus 0		I/O
93	VSS	GND			
94	XTAL	XTAL	OSC Signal Input		I
95	MD3	Mode-3	Mode-3		I
96	EXTAL	EXTAL	OSC Signal Output		O
97	MD2	Mode-2	Mode-2		I
98	NMI	NONMASK	NONMASK		I
99	VCC (FWP)	FWP	Flash Memory Write Mode		I
100	PA16/AH	FLASH MODE	FWP Control		O
101	PA17/WAIT				O
102	MD1	Mode-1	Mode-1		I
103	MD0	Mode-0	Mode-0		I
104	PLLVCC	PLLVCC	PLL Vcc		
105	PLLCAP	PLLCAP	PLL Filter		
106	PLLVSS	PLLGND	PLL Gnd		
107	PA15/CK	M-CLK	CPU Clock Output (Auto Image FPGA)		O
108	RES	Reset	Reset	Active L	I
109	PE0/TIOC0A/DREQ0	PCTL	CXD3511Q		O
110	PE1/TIOC0B/DRAKO	SCL 6	IIC Bus 6 Clock		I/O
111	PE2/TIOC0C/DREQ1	SDA 6	IIC Bus 6 Data		I/O
112	VCC	5V			
113	PE3/TIOC0D/DRAK1	SDA 3	IIC Bus 3 Data		I/O
114	PE4/TIOC1A	SCL 3	IIC Bus 3 Clock		I/O
115	PE5/TIOC1B	SDA 4	IIC Bus 4 Data		I/O
116	PE6/TIOC2A	SCL 4	IIC Bus 4 Clock		I/O
117	VSS	GND			
118	PF0/AN0	KEY1	Top Control Keys-1 (A/D Input)		I
119	PF1/AN1	KEY2	Top Control Keys-2 (A/D Input)		I
120	PF2/AN2	KEY3	Top Control Keys-3 (A/D Input)		I
121	PF3/AN3	OPT1	Logo Mark		I
122	PF4/AN4	Press Sensor	Atmospheric Pressure Sensor		I
123	PF5/AN5	Temp Sensor	Thermistor		I
124	AVSS	GND	A / D Gnd		
125	PF6/AN6	POWER FAIL	Power Fail (L : Abnormality)		I
126	PF7/AN7	SDATA IN	SDATA IN		I
127	AVREF	5V	5V A / D REF.		
128	AVCC	5V	5V A / D Vcc		
129	VSS	Gnd			
130	PA0/RXD0	SH_RX	PW365 Rx		I
131	PA1/TXD0	SH_TX	PW365 Tx		O
132	PA2/SCK0/DREQ0/IRQ0				
133	PA3/RXD1	Rx	RS232C Rx		I
134	PA4/TXD1	Tx	RS232C Tx		O
135	VCC	5V			
136	PA5/SCK1/DREQ1/IRQ1	USB INTR	USB Interrupt Signal Input	Active L	I
137	PE7/TIOC2B	SDA 5	IIC Bus 5 Data		I/O
138	PE8/TIOC3A	SCL 5	IIC Bus 5 Clock		I/O
139	PE9/TIOC3B	SDATA OUT	Single to Dual converter Enhancer Data Output Signal		O
140	PE10/TIOC3C	SCLK	Single to Dual converter Enhancer Clock Output Signal		O
141	VSS	Gnd			
142	PE11/TIOC3D	EXP RESET	I / O Expander	Active H	O
143	PE12/TIOC4A	R/C	R / C Input	Active L	I
144	PE13/TIOC4B/MRES	PW RESET	PW365 Reset Signal	Active L	O

CPU and I/O-Expander Control port functions

I/O Expander Control port functions (IC1801 64 pin)						Y / V
Pin No.	Name	Function Name	Function	Polarity	I/O	
1	PF6	BLAST_SW3	Lamp Ballast 1 On/Off SW *	ON = H	O	
2	PF7	BLAST_SW4	Lamp Ballast 2 On/Off SW *	ON = H	O	
3	Vcc	Vcc	5V ±10%	-	-	
4	PE0	LENS_UP	Lens Up	-	O	
5	PE1	LENS_DOWN	Lens Down	-	O	
6	PE2	LENS_RIGHT	Not used Lens Right *	-	O	
7	PE3	LENS_LEFT	Not used Lens Left *	-	O	
8	PE4	FOCUS+	Focus +	-	O	
9	PE5	FOCUS-	Focus -	-	O	
10	PE6	ZOOM+	Zoom +	-	O	
11	PE7	ZOOM-	Zoom -	-	O	
12	GND3	GND	-	-	-	
13	PB0	LENS_TOP	Lens Top Detection	Top= "L"	I	
14	PB1	LENS_VC	Lens U/D Center Detection	Center= Edge	I	
15	PB2	LENS_BOT	Lens Bottom Detection	Bottom= "L"	I	
16	PB3	LENS_RE	Not used Lens Right Detection *	Right= "L"	I	
17	PB4	LENS_HC	Not used Lens R/L Detection *	Center= Edge	I	
18	PB5	LENS_LE	Not used Lens Left Detection *	Left= "L"	I	
19	PB6	SEL_CTIN1	SEL_CTIN1	INIT	I	
20	PB7	SEL_CTIN2	SEL_CTIN2	DONE_SEL	I	
21	PA7	-	-	-	O	
22	PA6	-	-	-	O	
23	PA5	-	-	-	O	
24	PA4	RESET	FPGA Reset	Low->High Reset	O	
25	PA3	-	-	-	O	
26	PA2	50_60_SW	50/60Hz Select SW	50Hz= "L"	O	
27	PA1	CG_SW	CG Select SW	CG= "H"	O	
28	PA0	COMP_SW	COMPONENT Select SW	COMPO= "L"	O	
29	Vcc	Vcc	5V ±10%	-	-	
30	RD	READ_CPU	Read Select	Active "L"	I	
31	WR	WRITE_CPU	Write Select	Active "L"	I	
32	CS	CS_EXP	Chip Select	Active "L"	I	
33	RESET	EXP_RST	Reset	Active "H"	I	
34	GND1	GND	-	-	-	
35	A2	A2CPU	Port Select 2	-	I	
36	A1	A1CPU	Port Select 1	-	I	
37	A0	A0CPU	Port Select 0	-	I	
38	D0	D0CPU	Data Bus 0	-	I/O	
39	D1	D1CPU	Data Bus 1	-	I/O	
40	D2	D2CPU	Data Bus 2	-	I/O	
41	D3	D3CPU	Data Bus 3	-	I/O	
42	D4	D4CPU	Data Bus 4	-	I/O	
43	D5	D5CPU	Data Bus 5	-	I/O	
44	D6	D6CPU	Data Bus 6	-	I/O	
45	D7	D7CPU	Data Bus 7	-	I/O	
46	PC7	SLOT_SEL1	Slot select 1	-	O	
47	PC6	SLOT_SEL2	Slot select 2	-	O	
48	PC5	-	-	-	O	
49	PC4	AUDIO_MUTE	Mute Output	-	O	
50	PC0	LAMP1	Not used PFC On/Off SW *	ON = H	O	
51	PC1	LAMP2	Not used PFC On/Off SW *	ON = H	O	
52	PC2	LAMP3	PFC 1 On/Off SW *	ON = H	O	
53	PC3	LAMP4	PFC 2 On/Off SW *	ON = H	O	
54	PG0	LAMP1_ERR	Not used Lamp monitor *	Abnormality "H"	I	
55	PG1	LAMP_ERR	Not used Lamp monitor *	Abnormality "H"	I	
56	PG2	LAMP3_ERR	Lamp monitor 1 *	Abnormality "H"	I	
57	PG3	LAMP4_ERR	Lamp monitor 2 *	Abnormality "H"	I	
58	GND2	GND	-	-	-	
59	PF0	TEMP_LED	Temp Warning LED Drive	LED ON = "L"	O	
60	PF1	LAMP_LED	Lamp Replacement LED Drive	LED ON = "L"	O	
61	PF2	READY_LED	Ready LED Drive	LED ON = "L"	O	
62	PF3	SP_SW	Speaker on/off Switch	"L":ON "H":OFF	O	
63	PF4	BLAST_SW1	Not used Lamp Ballast On/Off SW *	ON = H	O	
64	PF5	BLAST_SW2	Not used Lamp Ballast On/Off SW *	ON = H	O	

CPU and I/O-Expander Control port functions

Output Expander Control port functions (IC1822 20 pin)

Pin No.	Name	Function Name	Function	Polarity	I/O
1	OE	EXP_RST			
2	O0	SCONFIG	Single to Dual converter Enhancer CONFIG Signal		O
3	D0		Data Bus 0		
4	D1		Data Bus 1		
5	O1	IP_RESET	IP_RESET		O
6	O2	PROGRAM	PROGRAM		O
7	D2		Data Bus 2		
8	D3		Data Bus 3		
9	O3	USB_BRST	USB on-off		O
10	GND		GND		
11	CP				
12	O4	BUS_SW1	BUS Select SW1		O
13	D4		Data Bus 4		
14	D5		Data Bus 5		
15	O5	BUS_SW2	BUS Select SW2		O
16	O6	BUS_SW3	BUS Select SW3		O
17	D6		Data Bus 6		
18	Qc7		Data Bus 7		
19	O7	SSTB	Single to Dual converter Enhancer STB Signal		O
20	Vcc		+5V		

I/O Expander Control port functions (IC9021 16 pin)

Pin No.	Name	Function Name	Function	Polarity	I/O
1	SO	SO	Serial Data Output		O
2	SCL	IIC BUS SCL			I
3	SDA	IIC BUS SDA			I/O
4	D0	M-ID1	Slot 1 Type Detection 1		I
5	D1	M-ID2	Slot 2 Type Detection 1		I
6	D2	M-ID3	Slot 3 Type Detection 1		I
7	D3	M-ID4	Slot 4 Type Detection 1		I
8	Vss	GND		-	
9	D4	M-IDB1	Slot 1 Type Detection 2		I
10	D5	M-IDB2	Slot 2 Type Detection 2		I
11	D6	M-IDB3	Slot 3 Type Detection 2		I
12	D7	M-IDB4	Slot 4 Type Detection 2		I
13	Vdd		5V ±10%		-
14	CS2	CS2			I
15	CS1	CS1			I
16	CS0	CS0			I

I/O Expander Control port functions (IC9022 16 pin)

Pin No.	Name	Function Name	Function	Polarity	I/O
1	SO	SO	Serial Data Output		O
2	SCL	IIC BUS SCL			I
3	SDA	IIC BUS SDA			I/O
4	D0	M-IDC1	Slot 1 Type Detection 3		I
5	D1	M-IDC2	Slot 2 Type Detection 3		I
6	D2	M-IDC3	Slot 3 Type Detection 3		I
7	D3	M-IDC4	Slot 4 Type Detection 3		I
8	Vss	GND		-	
9	D4	SLOT1 ID	SLOT1 ID		I
10	D5	SLOT2 ID	SLOT2 ID		I
11	D6	SLOT3 ID	SLOT3 ID		I
12	D7	SLOT4 ID	SLOT4 ID		I
13	VDD		5V ±10%		-
14	CS2	CS2			I
15	CS1	CS1			I
16	CS0	CS0			I

The cautions in schematic diagrams

■ 1. Safety significant parts

Product safety should be considered when a component replacement is made in any area of the projector. Components indicated by mark () in the parts list and the schematic diagram designate components in which safety can be of special significance. It is, therefore, particularly recommended that the replacement of the parts must be made by exactly the same parts.

■ 3. Reading of parts.

Read resistor codes as follows:

1. All resistance values are indicated in ohms:

K=1,000.

M=1,000,000.

2. Wattage, material and tolerance codes can see it on the chart of next page.

Read capacitor codes as follows:

1. For capacitors identified with $\text{---} |$,

values less than 1 are expressed in uF,

values more than 1 are in pF.

2. For capacitors (electrolytic) identified with $\text{---} \parallel$,

values are expressed in uF.

3. Rated voltage, material and tolerance codes can see it on the chart of next page.

■ 2. The cautions in collation of parts.

DO NOT REPLACE OR ORDER RESISTOR AND CAPACITOR PARTS FOLLOWING THE SPECIFICATIONS SHOWN IN THE SCHEMATIC DIAGRAMS.

Always check for the correct specifications in the parts list, especially for critical component marked (). Special attention must be given to critical components. Specification of capacitor and resistors will be shown with coded symbols, reading code symbols following the chart and notes. Some capacitor and resistors will be shown directly with values and no other information. Detailed information on each capacitor and resistor will be shown in the list.

■ 4. Risk of electric shock

HOT CIRCUIT IS IDENTIFIED WITH THE LINE () IN THE SCHEMATIC DIAGRAM.

The signal circuit and control circuit of this projector are insulated (COLD) from AC line by the insulation transformer inside the projector. But, assembly power, assembly PFC, assembly lamp ballast and assembly lamp are not insulated from AC line, and those are "HOT." An insulation transformer should be connected in the power line between the projector and the AC line before the service of hot circuit is performed on the projector.



The cautions in schematic diagrams

Read description in the Capacitor and Resister as follows:

CAPACITOR

16 K K 0.47 BA

Characteristic
Rated value

Material :

C	CERAMIC	Temperature compensating ceramic
K	CERAMIC	High dielectric rate ceramic
B	CERAMIC	Semiconductor ceramic
Z	MT-PAPER	Metallized paper
F	POLYESTER	Polyester
G	MT-POLYEST	Metallized polyester
N	POLYPRO	Polypropylene
M	MT-POLYPYRO	Metallized polypropylene
Y	COMPO FILM	Composite film
H	MT-COMPO	Metallized composite film
S	STYRENE	Styrol
T	TA-SOLID	Tantalum oxide solid electrolytic
A	AL-SOLID	Aluminum solid electrolytic
E	ELECT	Aluminum foil electrolytic
P	NP-ELECT	Non-polarized electrolytic
U	OS-SOLID	Aluminum solid capacitors with organic semiconductive electrolyte
V	POS-SOLID	Polymerized organic semiconductor
D	DL-ELECT	Electric double layer electrolytic
J	AL-SOLID	Aluminum manganese wind solid
L	PPS-FILM	Polyphenylene sulfide film
Q	MT-PPS-FILM	Metallized Polyphenylene sulfide film
R	MT-PEN-FILM	Metallized polyethylenenaphthalate film
W	EP-ELECT	Electric Conductor Polymerized Aluminum foil electrolytic
X	CAPACITOR	Other

Rated Voltage

Tolerance Symbols

Static capacitance of 10PF or less

A:	Nondesignated
B:	$\pm 0.1\text{PF}$
C:	$\pm 0.25\text{PF}$
D:	$\pm 0.5\text{PF}$
F:	$\pm 1\text{PF}$
G:	$\pm 2\text{PF}$
H:	$+0.1 \sim -0\text{PF}$
L:	$+0 \sim -0.1\text{PF}$
R:	$+0.25 \sim -0\text{PF}$
S:	$+0 \sim -0.25\text{PF}$
E:	$+0 \sim -1\text{PF}$
J:	$\pm 5\%$
K:	$\pm 10\%$
M:	$\pm 20\%$

Note: J, K, and M are used only for tubular Ceramic Capacitors

Static capacitance of more than 10PF

A:	Nondesignated
B:	$\pm 0.1\%$
C:	$\pm 0.25\%$
D:	$\pm 0.5\%$
F:	$\pm 1\%$
G:	$\pm 2\%$
E:	$\pm 2.5\%$
H:	$\pm 3\%$
J:	$\pm 5\%$
K:	$\pm 10\%$
L:	$\pm 15\%$
M:	$\pm 20\%$
N:	$\pm 30\%$
P:	$+100 \sim -0\%$
Q:	$+30 \sim -10\%$
R:	$+20 \sim -0\%$
T:	$+50 \sim -10\%$
U:	$+75 \sim -10\%$
V:	$+20 \sim -10\%$
W:	$+100 \sim -10\%$
X:	$+40 \sim -20\%$
Y:	$+150 \sim -10\%$
Z:	$+80 \sim -20\%$

FIXED RESISTER

1/10 G J 100K

Rated value, ohms : K: $x1,000$ ohms.
M: $x1,000,000$ ohms

Material :

D	CARBON	Carbon film fixed
N	MT-FILM	Metal film fixed
S	OXIDE-MT	Metal oxide film fixed
C	SOLID	Solid
G	MT-GLAZE	Metal glaze type fixed
W	WIRE WOUND	Power type covered wiring fixed
H	CERAMIC RES	Ceramic fixed
F	FUSIBLE RES	Fusible
X	RESISTER	Used for "others"

Tolerance Symbols:

A:	$\pm 0.05\%$
B:	$\pm 0.1\%$
C:	$\pm 0.25\%$
D:	$\pm 0.5\%$
F:	$\pm 1\%$
G:	$\pm 2\%$
J:	$\pm 5\%$
K:	$\pm 10\%$
M:	$\pm 20\%$
P:	$+5 \sim -15\%$
Z:	Use when 0 ohm

Rated Wattage

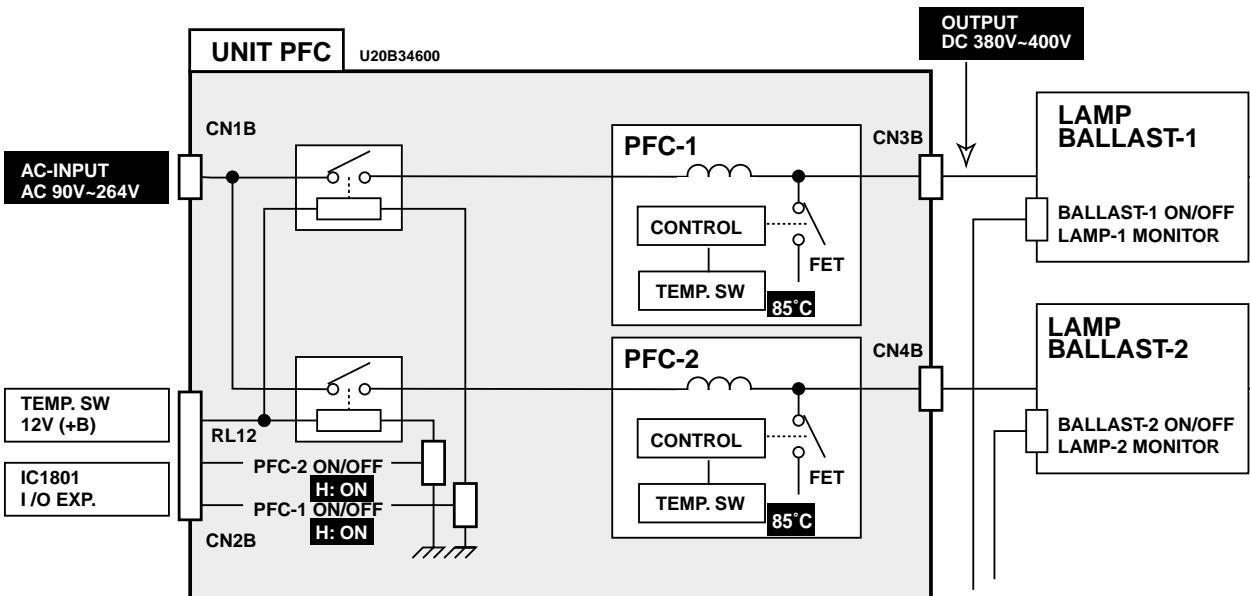
Chip transistor (list of replaceable)

Mark	AJ
	2SA1179-M6
	2SA1179-M7
	2SA1037K-R
	2SA1037K-S
	2SA1037AK-R
	2SA1037AK-S

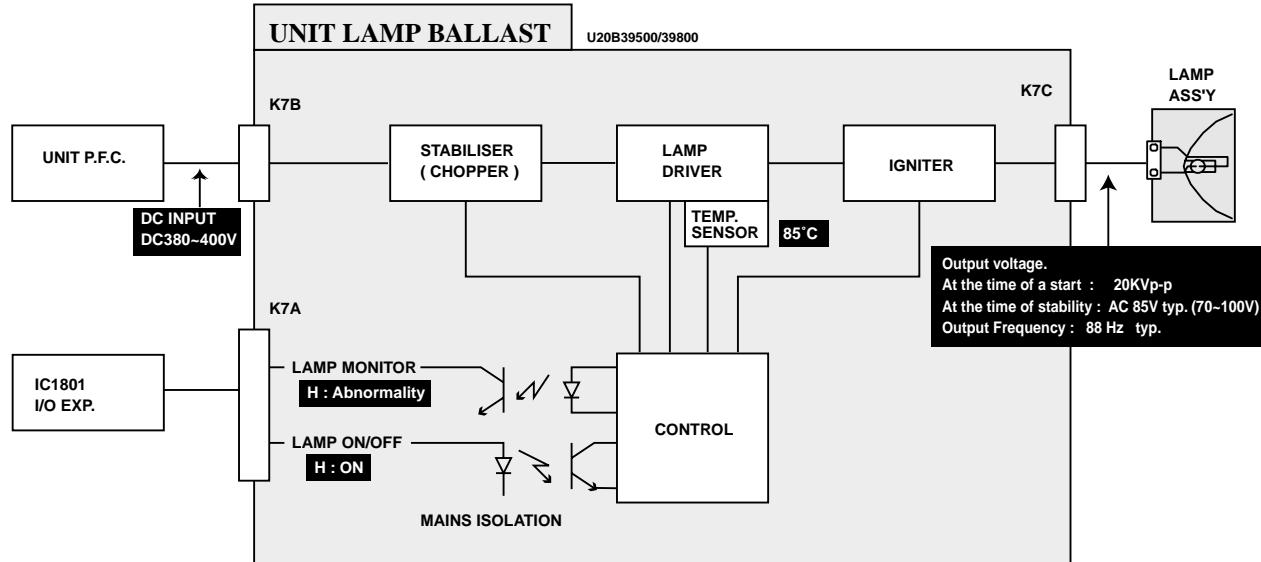
Mark	AH
	2SC2812-L6
	2SC2812-L7
	2SC2412K-R
	2SC2412K-S

UNIT P.F.C., UNIT LAMP BALLAST and IC BLOCK DIAGRAMS

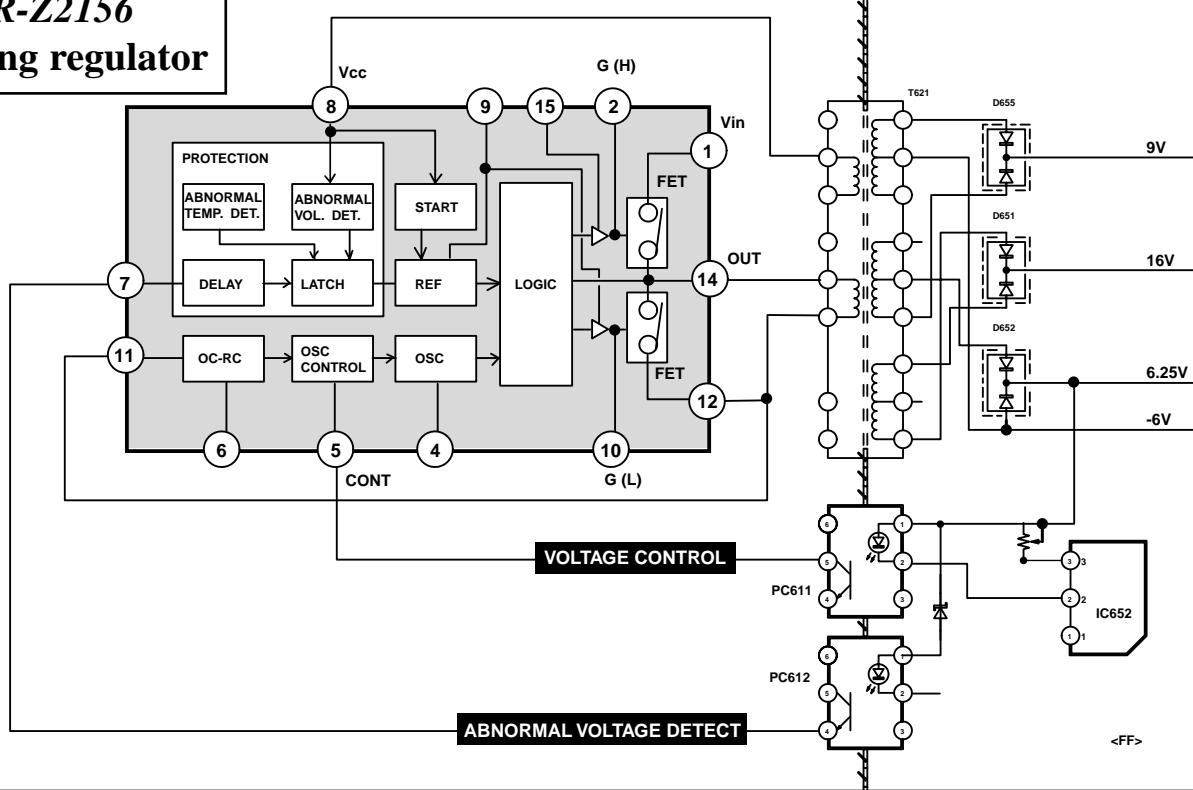
UNIT P.F.C.



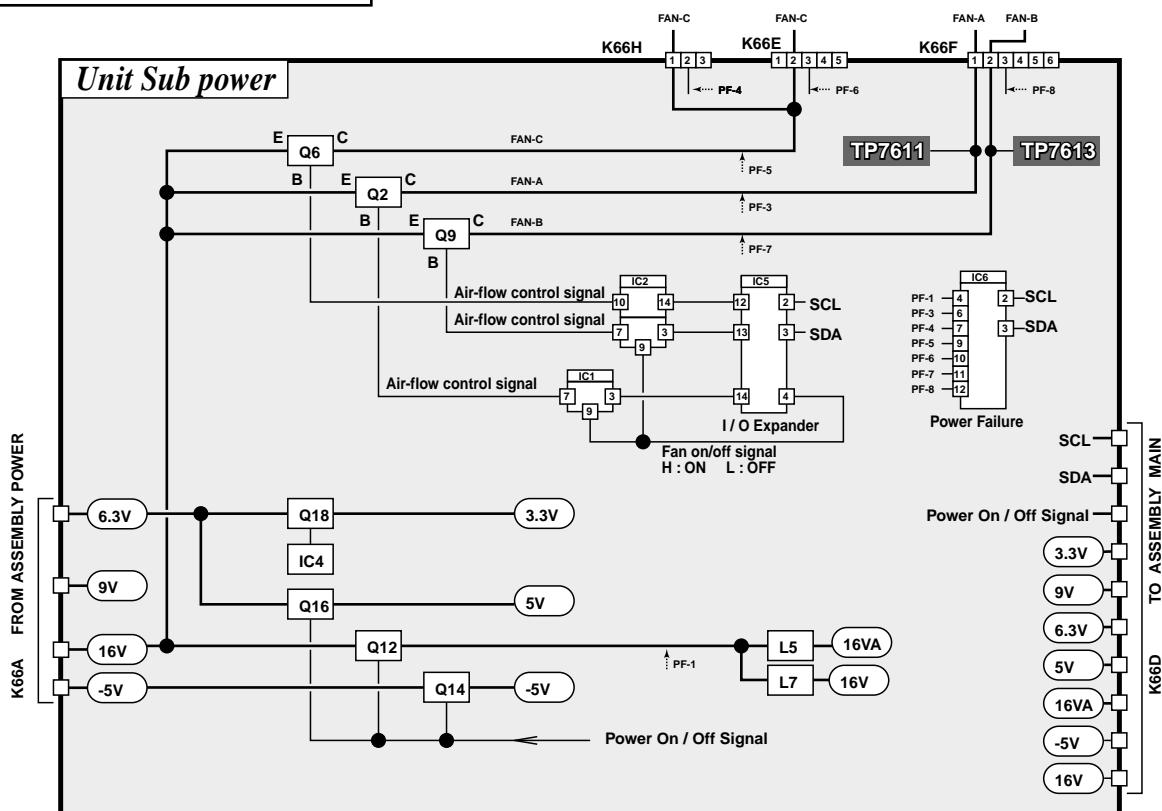
UNIT LAMP BALLAST



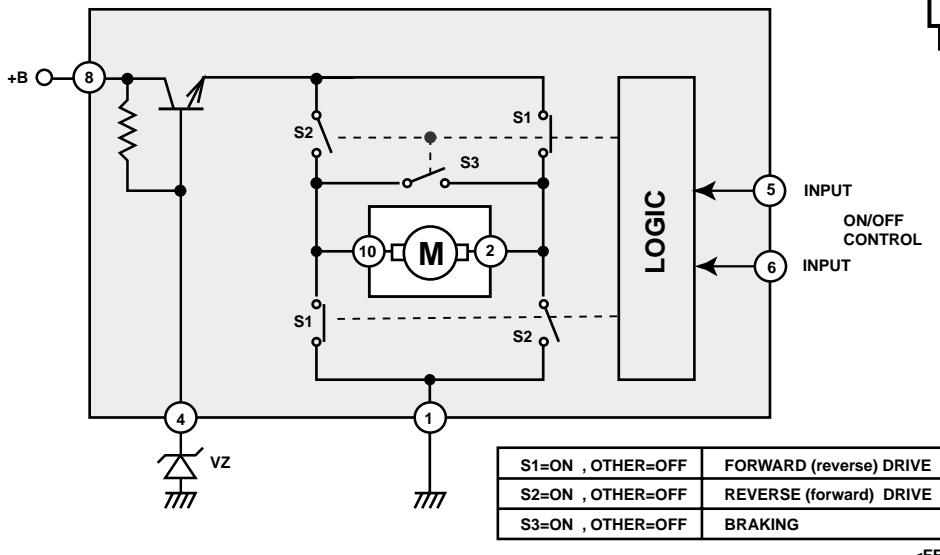
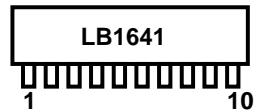
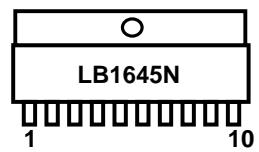
STR-Z2156 Switching regulator



UNIT SUB POWER



**LB1641/1645N
MOTOR DRIVER**



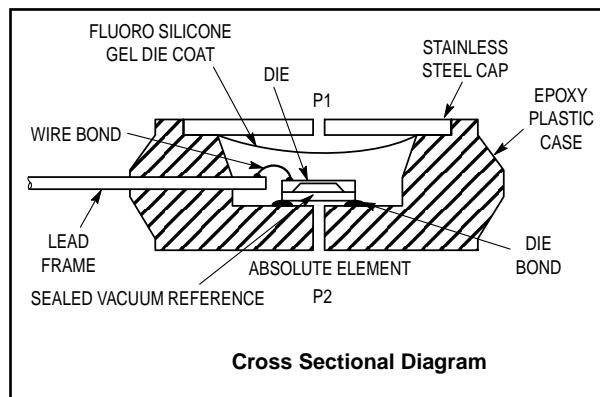
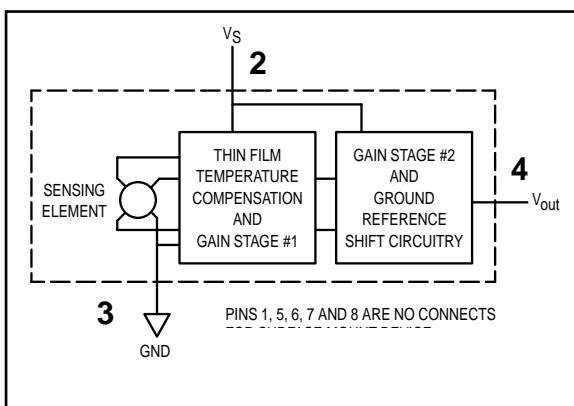
**MPXA4115A
Pressure sensor for altimeter**

SMALL OUTLINE PACKAGE



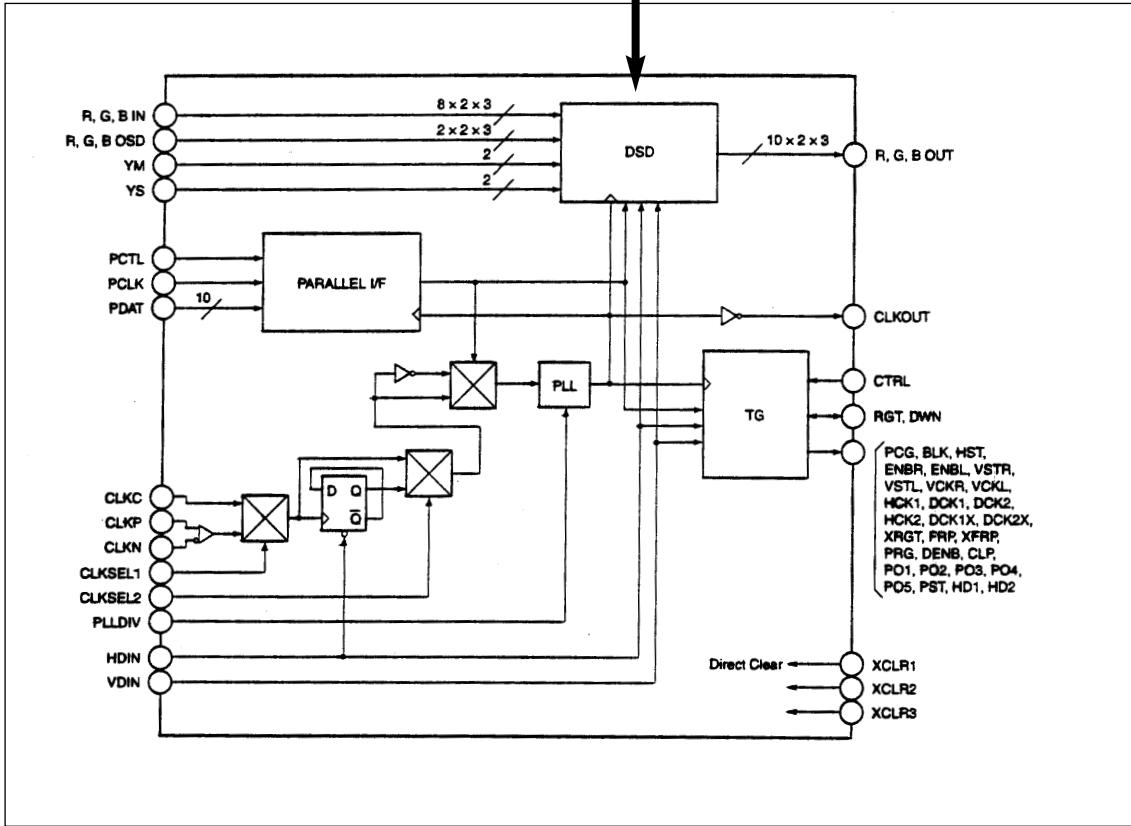
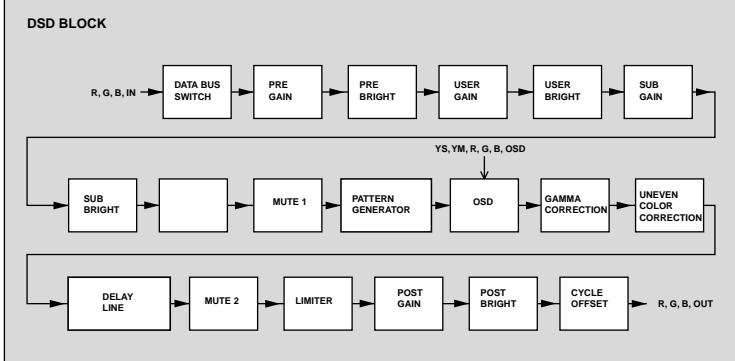
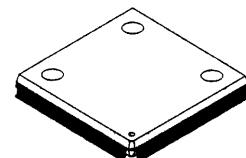
PPXA4115A
CASE 482-01

<FF>



CXD3511Q
DIGITAL SIGNAL
DRIVER

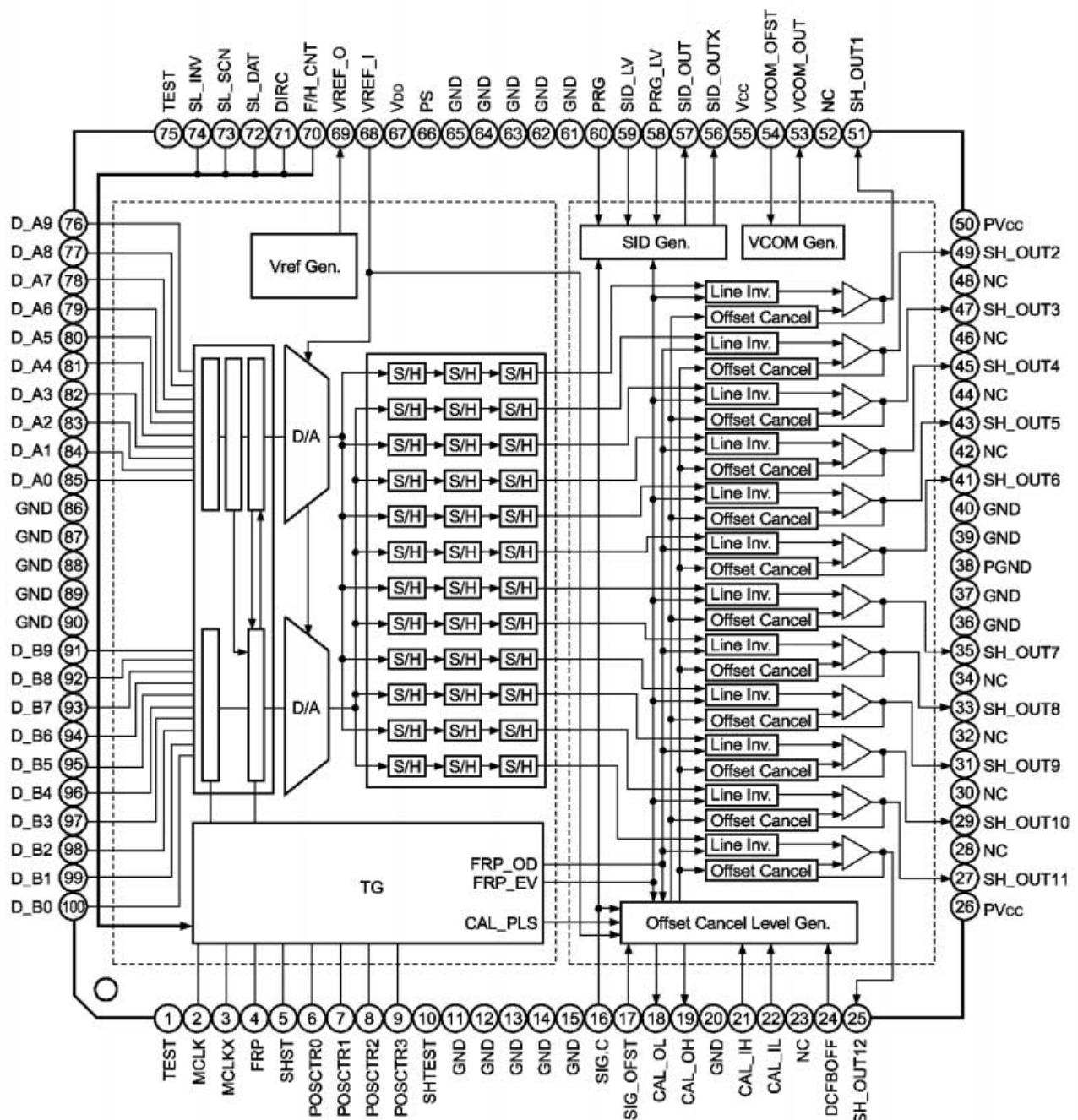
240 pin QFP (Plastic)



CXA3562R

LCD DRIVER

100 pin LQFP (Plastic)



Parts list



Safety significant parts

Product safety should be considered when a component replacement is made in any area of the projector. Components indicated by mark (Δ) in the parts list and the schematic diagram designate components in which safety can be of special significance. It is, therefore, particularly recommended that the replacement of the parts must be made by exactly the same parts.

Note:

DO NOT REPLACE OR ORDER RESISTOR AND CAPACITOR PARTS FOLLOWING THE SPECIFICATIONS SHOWN IN THE SCHEMATIC DIAGRAMS. Always check for the correct specifications in the parts list.

Part order must contain Chassis No., Part No., and descriptions.

■ Readjustments after parts replacement.

-- Assembly Power --

- When it is replaced to the new assembly power.
* Factory adjustment of the new assembly power has completed. Readjustment is unnecessary.
- When the component parts of assembly-power are replaced.
* Readjust the following adjustment item.
 1. DC voltage adjustment.

-- Terminal board AV --

- When it is replaced to the new terminal-board-AV.
* Factory adjustments of the new terminal-board-AV have completed. Readjustments are unnecessary.
- When the component parts of terminal-board-AV are replaced.
* Readjust the following adjustment items.
 2. AV Video signal adjustments
 3. 3DNR-PLL Lock check
 4. AV Color and Tint adjustments

-- Terminal board component --

- Readjustment is unnecessary.

-- Unit-lamp-ballast --

- In case this unit is fault, replace the unit completely, do not replace the individual component. Readjustment is unnecessary.

-- Unit-PFC. --

- In case this unit is fault, replace the unit completely, do not replace the individual component. Readjustment is unnecessary.

-- Terminal board DVI --

- Readjustment is unnecessary.

-- Assembly Sub power --

- In case this unit is fault, replace the unit completely, do not replace the individual component.
* Readjust the following adjustment item.

5. Fans driving voltage adjustments

Assembly-main.

■ Replace memory ICs in the following procedure.

1. Remove IC871 and IC1811 from an old (damaged) assembly-main.
2. Attach IC removed to new assembly-main. The data recorded is all taken over to a new assembly-main, readjustment is unnecessary.

■ When memory ICs are not replaced.

- (1). The life data of a lamp starts from an initial value compulsorily. Manually, this life data cannot be set up.
 - (2). Readjust the following adjustment items.
- 5. Fans driving voltage adjustments
 - 6. Video center DC adjustments
 - 7. PSIG signal adjustments
 - 8. PC contrast adjustments-1
 - 9. AV contrast adjustments-2
 - 10. Panel driving signal adjustments -AV
 - 11. Panel driving signal adjustments -PC
 - 12. Flicker reduction.
 - 13. White balance adjustments
 - 14. Unevenness color correction

-- The component parts inside the optical unit --

(Part no. 102, 106~111, 114, and 123~124.)

- When the optical component parts inside the optical unit are replaced.

* Check the following adjustment items.

Integrator-lens-out adjustment
Integrator-lens-in adjustment
Condenser-lens adjustment
Relay-lens adjustment
Prism-P.B.S. adjustment
Polarizer. adjustment

-- Integrator-lens-in --

- When the integrator-lens-in is replaced.

* Readjust the following adjustment items.

Integrator-lens-in adjustment

-- Relay-lens --

- When the relay-lens is replaced.
* Readjust the following adjustment item.

Relay-lens adjustment

-- Condenser-lens --

- When the Condenser-lens is replaced.
* Readjust the following adjustment item.

Condenser-lens adjustment

-- Integrator-lens-out and prism-PBS --

- When the integrator-lens-out and prism-PBS are replaced.
* Readjust the following adjustment item.

Integrator-lens-out adjustment
Prism-P.B.S. adjustment

-- Polarization-glasses--

- When the Polarization-glasses are replaced.
* Readjust the following adjustment item.

Polarizer adjustment

Focus of LCD Panel adjustment Convergence of LCD Panel adjustment

- 12. Flicker reduction
- 13. White balance adjustments
- 14. Unevenness color correction

Read description in the Capacitor and Resister as follows:

**CAPACITOR
CERAMIC 100P K 50V**

Rated Voltage

Rated value: P=Pico farad, U=Micro farad

Material :	
CERAMIC	Temperature compensating ceramic High dielectric rate ceramic Semiconductor ceramic
MT-PAPER	Metallized paper
POLYESTER	Polyester
MT-POLYEST	Metallized polyester
POLYPRO	Polypropylene
MT-POLYPYO	Metallized polypropylene
COMPO FILM	Composite film
MT-COMPO	Metallized composite film
STYRENE	Styrol
TA-SOLID	Tantalum oxide solid electrolytic
AL-SOLID	Aluminum solid electrolytic
ELECT	Aluminum foil electrolytic
NP-ELECT	Non-polarized electrolytic
OS-SOLID	Aluminum solid capacitors with organic semiconductive electrolyte
POS-SOLID	Polymerized organic semiconductor
DL-ELECT	Electric double layer electrolytic
AL-SOLID	Aluminum manganese wind solid
PPS-FILM	Polyphenylene sulfide film
MT-PPS-FILM	Metallized Polyphenylene sulfide film
MT-PEN-FILM	Metallized polyethylenenaphthalate film
EP-ELECT	Electric Conductor Polymerized Aluminum foil electrolytic
CAPACITOR	Other

Tolerance Symbols

Static capacitance of 10PF or less

A:	Nondesignated
B:	$\pm 0.1\text{PF}$
C:	$\pm 0.25\text{PF}$
D:	$\pm 0.5\text{PF}$
F:	$\pm 1\text{PF}$
G:	$\pm 2\text{PF}$
H:	$+0.1 \sim -0\text{PF}$
L:	$+0 \sim -0.1\text{PF}$
R:	$+0.25 \sim -0\text{PF}$
S:	$+0 \sim -0.25\text{PF}$
E:	$+0 \sim -1\text{PF}$
J:	$\pm 5\%$
K:	$\pm 10\%$
M:	$\pm 20\%$

Note: J, K, and M are used only for tubular Ceramic Capacitors

Static capacitance of more than 10PF

A:	Nondesignated
B:	$\pm 0.1\%$
C:	$\pm 0.25\%$
D:	$\pm 0.5\%$
F:	$\pm 1\%$
G:	$\pm 2\%$
E:	$\pm 2.5\%$
H:	$\pm 3\%$
J:	$\pm 5\%$
K:	$\pm 10\%$
L:	$\pm 15\%$
M:	$\pm 20\%$
N:	$\pm 30\%$
P:	$+100 \sim -0\%$
Q:	$+30 \sim -10\%$
R:	$+20 \sim -0\%$
T:	$+50 \sim -10\%$
U:	$+75 \sim -10\%$
V:	$+20 \sim -10\%$
W:	$+100 \sim -10\%$
X:	$+40 \sim -20\%$
Y:	$+150 \sim -10\%$
Z:	$+80 \sim -20\%$

**FIXED RESISTER
CARBON 4.7K J A 1/4W**

Rated Wattage

Tolerance Symbols:	
A:	$\pm 0.05\%$
B:	$\pm 0.1\%$
C:	$\pm 0.25\%$
D:	$\pm 0.5\%$
F:	$\pm 1\%$
G:	$\pm 2\%$
J:	$\pm 5\%$
K:	$\pm 10\%$
M:	$\pm 20\%$
P:	$+5 \sim -15\%$
Z:	Use when 0 ohm

Rated value, ohms : K: X1,000 ohms. M: X1,000,000 ohms

Material :	
CARBON	Carbon film fixed
MT-FILM	Metal film fixed
OXIDE-MT	Metal oxide film fixed
SOLID	Solid
MT-GLAZE	Metal glaze type fixed
WIRE WOUND	power type covered wiring fixed
CERAMIC RES	Ceramic fixed
FUSIBLE RES	Fusible
RESISTER	Used for "others"

Performance Symbols:

A: General

B: Flame retardance (including noncombustible)

Z: Low noise (Less than 100Kohms : 0.3uV/V,
100Kohms to 1Mohm : 0.5uV/V,
More than 1Mohm : 1.0uV/V)

C~Y : Temperature characteristics

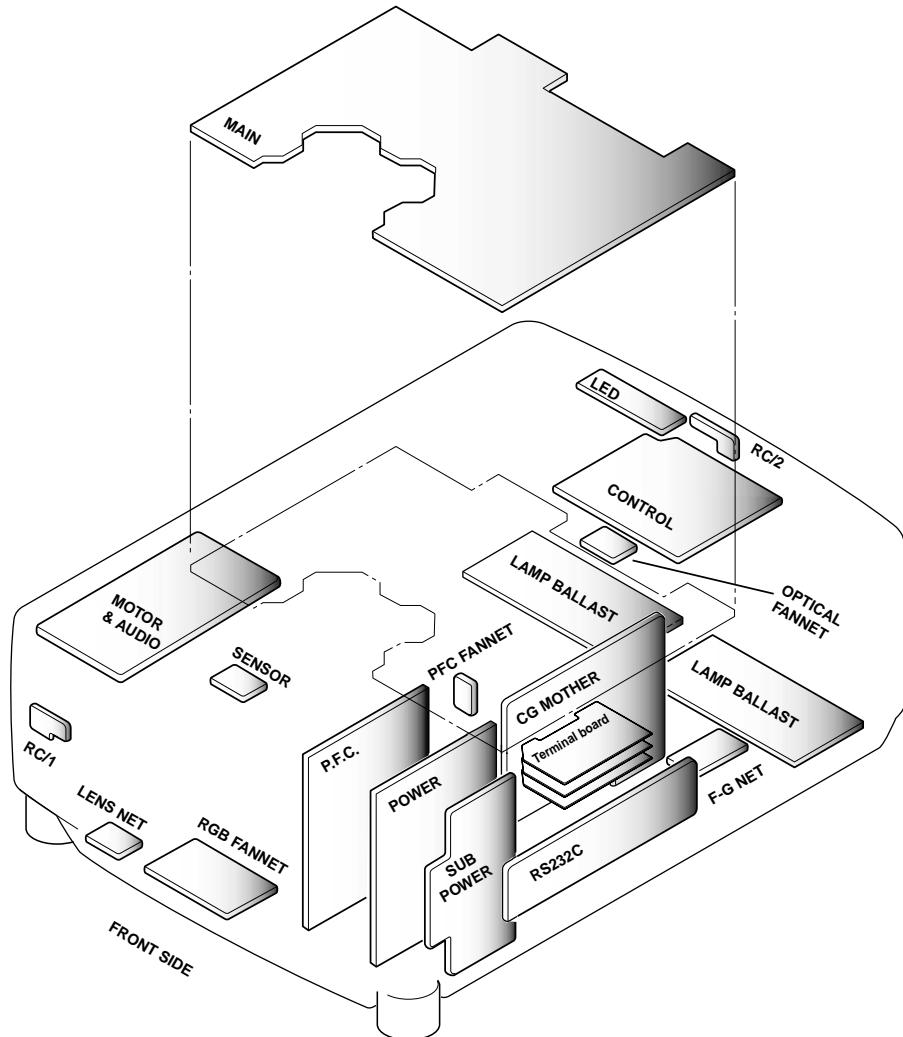
T:	$\pm 10\text{ppm}/^{\circ}\text{C}$
U:	$\pm 25\text{ppm}/^{\circ}\text{C}$
C:	$\pm 50\text{ppm}/^{\circ}\text{C}$
D:	$\pm 100\text{ppm}/^{\circ}\text{C}$
E:	$\pm 200\text{ppm}/^{\circ}\text{C}$
F:	$\pm 250\text{ppm}/^{\circ}\text{C}$
G:	$\pm 350\text{ppm}/^{\circ}\text{C}$
H:	$\pm 1000\text{ppm}/^{\circ}\text{C} \pm 10\%$
W:	$\pm 1200\text{ppm}/^{\circ}\text{C} \pm 10\%$
Y:	$\pm 1400\text{ppm}/^{\circ}\text{C} \pm 10\%$
J:	$\pm 2000\text{ppm}/^{\circ}\text{C} \pm 10\%$
K:	$\pm 2400\text{ppm}/^{\circ}\text{C} \pm 10\%$
L:	$\pm 2700\text{ppm}/^{\circ}\text{C} \pm 10\%$
M:	$\pm 3000\text{ppm}/^{\circ}\text{C} \pm 10\%$
N:	$\pm 3300\text{ppm}/^{\circ}\text{C} \pm 10\%$
P:	$\pm 3600\text{ppm}/^{\circ}\text{C} \pm 10\%$
Q:	$\pm 3900\text{ppm}/^{\circ}\text{C} \pm 10\%$
R:	$\pm 4200\text{ppm}/^{\circ}\text{C} \pm 10\%$
S:	$\pm 4300\text{ppm}/^{\circ}\text{C} \pm 10\%$
V:	$\pm 4500\text{ppm}/^{\circ}\text{C} \pm 10\%$
X:	$\pm 800\text{ppm}/^{\circ}\text{C} \pm 150\text{ppm}/^{\circ}\text{C}$
O:	$\pm 500\text{ppm}/^{\circ}\text{C} \sim -250\text{ppm}/^{\circ}\text{C}$

Note :
1. "General" (symbol A) means properties for which there are some differences among manufacturers but which can be used within the range given in the catalogs.

2. Properties for which temperature characteristics are especially designated (required) due to design are indicated by "temperature characteristic classifications" (symbol C to Y). Others are indicated by "General" (symbol A).

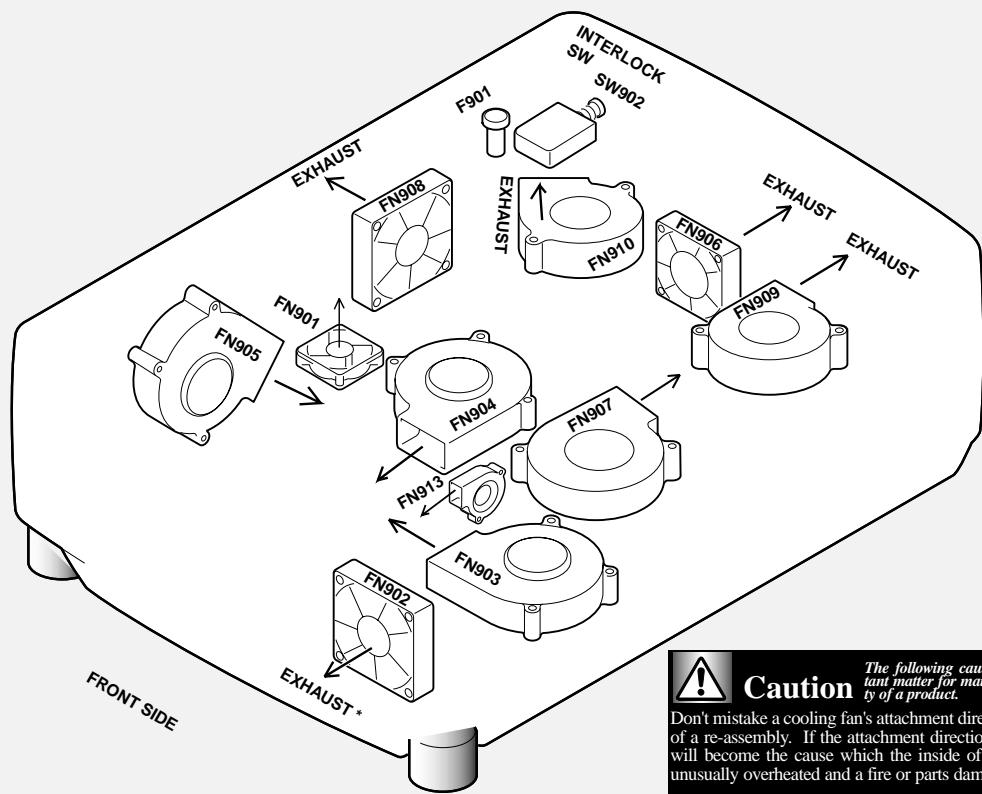
3. What are called "cement resistors" are noncombustible, so are indicated as "General" (symbol A), not "Flame retardant (including noncombustible)" (symbol B).

**PWB ASSEMBLIES
LOCATION**



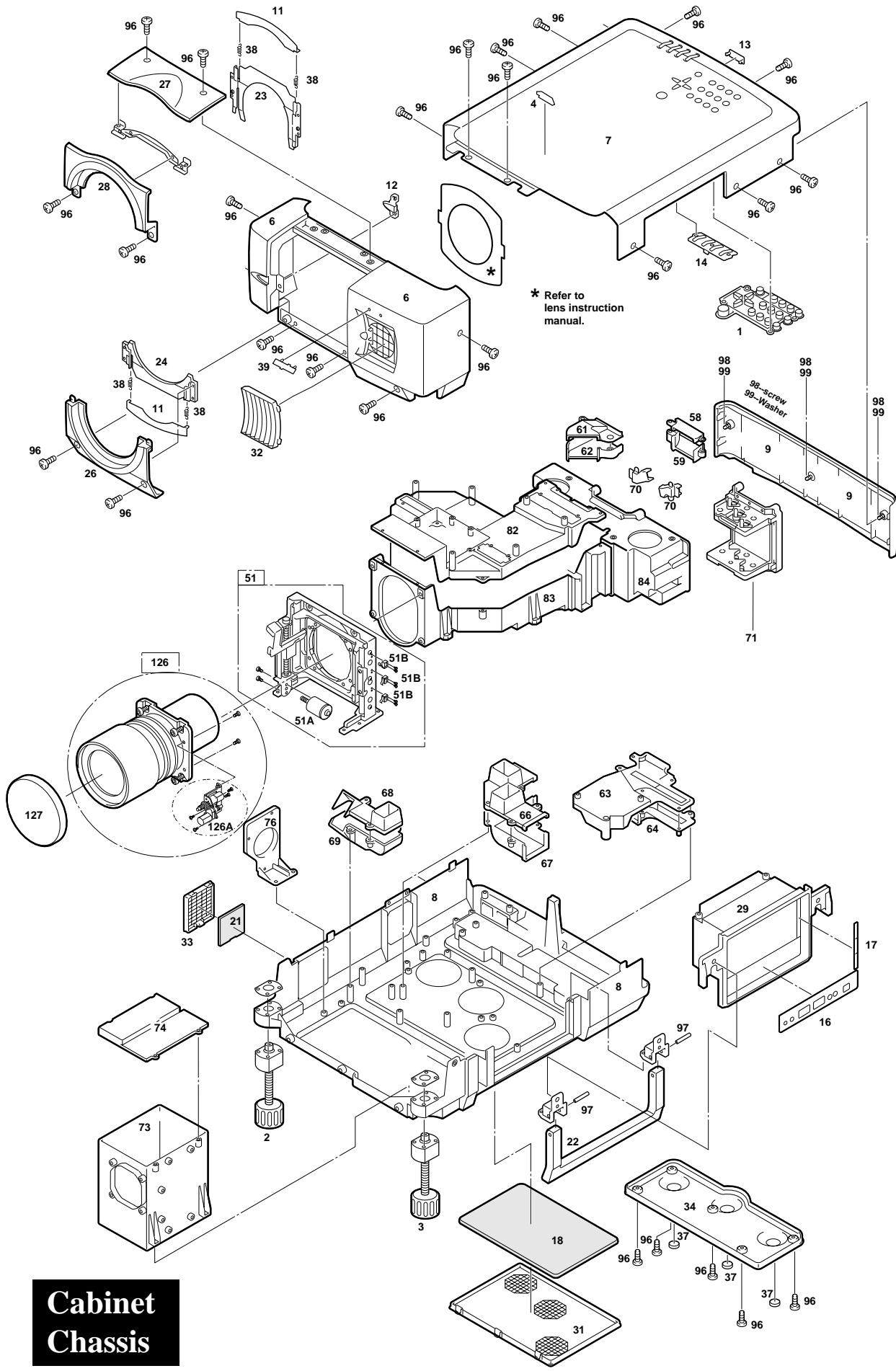
← :Direction of a wind.

**MOTOR FANS
LOCATION**

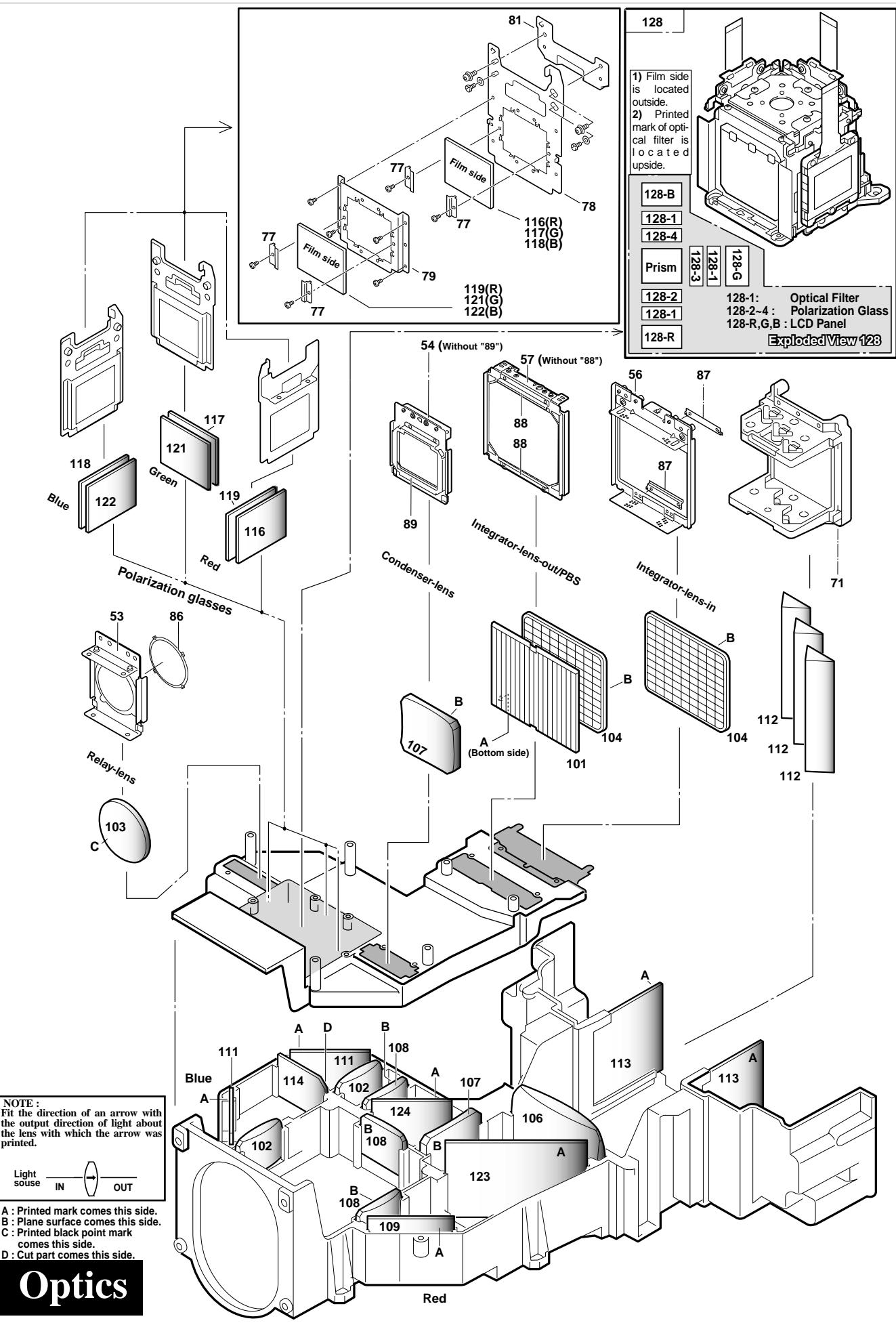


Caution

The following caution is the important matter for maintaining the safety of a product.
Don't mistake a cooling fan's attachment direction in the case of a re-assembly. If the attachment direction is mistaken, it will become the cause which the inside of the projector is unusually overheated and a fire or parts damage.



Cabinet Chassis



Cabinet and Optical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
CABINET PARTS 005MY8A					

SCREWS 010MY6AA					

1.	610 290 9180	ASSY, BUTTON-MV6A	96.	411 102 2203	SCR BIN 4X8
2.	610 290 5366	ASSY, STAND LEG A-MV6A	97.	411 182 6207	PIN PARALLEL 5X35
3.	610 291 9431	ASSY, STAND LEG B-MV6A	98.	412 063 3209	SPECIAL SCREW
4.	610 289 1829	BADGE V MARK L-ML6A	99.	411 109 2107	WASHER Y 3.6X6X0.5
6.	610 290 4062	CABINET FRONT-MV6A			
7.	610 303 9640	CABINET TOP-MY6A-A			
8.	610 290 4086	CABINET BOTTOM-MV6A			
9.	610 290 4093	COVER ,LMP-MV6A			
11.	610 290 9241	COVER LNS A-MV6A			
12.	610 290 9265	DEC INLAY R/C-MV6A			
13.	610 290 9272	DEC INLAY A-MV6A			
14.	610 293 2409	DEC INLAY REAR-MV6A			
16.	610 290 9296	DEC COMP SHEET A-MV6A			
17.	610 290 9302	DEC COMP SHEET B-MV6A			
18.	610 292 3162	FILTER NET A-MV6A			
21.	610 292 3186	FILTER NET C-MV6A			
22.	610 290 9326	HANDLE-MV6A			
23.	610 290 9364	MOUNTING COVER LNS A-MV6A			
24.	610 290 9371	MOUNTING COVER LNS B-MV6A			
26.	610 290 4116	PANEL FRONT BTM-MV6A			
27.	610 290 4123	PANEL FRONT TOP-MV6A			
28.	610 290 4130	PANEL FRONT MID-MV6A			
29.	610 303 7370	PANEL COMP A-MV6A-A			
31.	610 290 9388	PANEL FILTER A-MV6A			
32.	610 290 9395	PANEL FILTER B-MV6A			
33.	610 290 9401	PANEL FILTER C-MV6A			
34.	610 291 8762	PANEL BLST A-MV6A	101.	645 046 1323	ASSY, PRISM(PBS)
37.	610 289 1263	STAND LEG CT-MJ6A	101.	645 046 1330	ASSY, PRISM(PBS)
38.	610 272 9238	SPRING COIL-M6MA	102.	645 046 9459	LENS, RELAY(IN)
39.	645 032 6400	BADGE ,SANYO*43.5X10L43.5	103.	645 046 9466	LENS, RELAY(OUT)
CHASSIS PARTS 006MD7A					

51.	610 303 9268	ASSY, HOLDER LNS A-MY8A	104.	645 046 9411	LENS, INTEGRATOR
51-A.	645 057 5884	ASSY, MOTOR(MY8A)	106.	645 047 9731	LENS,CONDENSER 1
51-B.	645 057 5914	SWITCH,SENSOR Z	107.	645 047 9748	LENS,CONDENSER 2
53.	610 290 5328	COMPL, HOLDER REL A-MV6A	108.	645 051 1431	LENS,CONDENSER
54.	610 297 4430	COMPL, HOLDER COND C-MY6A	109.	645 046 1361	MIRROR(RH)
56.	610 301 1141	COMPL, HOLDER INT A-MY6FA	111.	645 046 1378	MIRROR(B-COLD)
57.	610 293 8135	COMPL, HOLDER PBS A-MY6A	112.	645 046 9428	MIRROR(COLD)
58.	610 304 0363	COVER DUCT TOP A-MV6A-A	112.	645 055 9181	MIRROR(COLD)
59.	610 304 0370	COVER DUCT BTM A-MV6A-A	113.	645 046 1392	OPTICAL FILTER(UV/IR)
61.	610 304 0387	COVER DUCT TOP B-MV6A-A	114.	645 046 1408	OPTICAL FILTER(UV CUT)
62.	610 304 0394	COVER DUCT BTM B-MV6A-A	116.	645 041 2837	POLARIZATION GLASS(HIN/R)
63.	610 301 9369	COVER DUCT TOP C-MV6A-A	117.	645 041 2882	POLARIZATION GLASS(HIN/G)
64.	610 303 9718	COVER DUCT BTM C-MV6A-A	118.	645 054 8512	POLARIZATION GLASS(HIN/B)
66.	610 292 4411	COVER DUCT TOP D-MV6A	119.	645 059 5448	POLARIZATION GLASS(IN/R)
67.	610 292 4428	COVER DUCT BTM D-MV6A	121.	645 059 5455	POLARIZATION GLASS(IN/G)
68.	610 292 4435	COVER DUCT TOP E-MV6A	122.	645 054 0387	POLARIZATION GLASS(IN/B)
69.	610 292 4442	COVER DUCT BTM E-MV6A	123.	645 046 1446	DICHROIC MIRROR (C)
71.	610 301 0991	COMPL, MOUNTING PRM MR-MV6	124.	645 046 1453	DICHROIC MIRROR (Y)
73.	610 302 1485	HOLDER POWER PWB BTM-MV6A	128.	610 305 1659	ASSY,LCD PRISM-MD7A
74.	610 292 4466	HOLDER POWER PWB TOP-MV6A	128-1.	645 054 0363	OPTICAL FILTER (WVX2)
76.	610 293 4335	HOLDER FN C-MV6A	128-2.	645 059 5462	POLARIZATION GLASS(OUT/R)
77.	610 282 7996	MOUNTING PLT A-MJ6A	128-3.	645 054 0400	POLARIZATION GLASS(OUT/G)
78.	610 290 5526	MOUNTING POL IN A MV6A	128-4.	645 054 0417	POLARIZATION GLASS(OUT/B)
79.	610 290 5533	MOUNTING POL IN B MV6A	128-G.	645 043 3412	LCD(LCX039ALT-8 G)
81.	610 290 5540	MOUNTING POL IN C MV6A	128-R.	645 043 3429	LCD(LCX039ALT-7 R)
82.	610 303 7547	OPTICAL BASE TOP-MY6A-A	128-B.	645 043 3436	LCD(LCX039ALT-6 B)
83.	610 301 5613	OPTICAL BASE BTM A-MY8A			
84.	610 303 1941	OPTICAL BASE BTM B-MV6A-A			
86.	610 290 5373	HOLDER REL D-MV6A			
87.	610 290 5380	HOLDER INT D-MV6A			
88.	610 290 5397	HOLDER PBS D-MV6A			
89.	610 293 9088	HOLDER COND D-MY6A			
OPTICAL PARTS 014MD7A					

Use the following parts only for model " PLC-XF31N."					

126.	645 044 0977	ASSY,LENS,PROJECTION			
126-A.	645 034 8327	MOTOR,LENS(Z,F) DC 0.3W			
127.	610 277 8755	CAP LENS A-M6VA			

SANYO--					

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
■ Out of PWB Assembly					
COIL					
▲LF901	645 054 3227	UNIT,NOISE FILTER	Q8051	405 014 4509	TR 2SC2412K T146 R
L901	645 050 8417	CORE,CLAMP	Q8061	405 014 4509	TR 2SC2412K T146 R
	645 044 3817	CORE,CLAMP	405 014 4608	TR 2SC2412K T146 S	
L902	645 050 8417	CORE,CLAMP	405 015 8704	TR 2SC2812-L6-TB	
	645 044 3817	CORE,CLAMP	405 015 8902	TR 2SC2812-L7-TB	
L903	645 050 8417	CORE,CLAMP	405 163 1602	TR 2SC2812N-L6-TB0	
	645 044 3817	CORE,CLAMP	405 163 1701	TR 2SC2812N-L7-TB0	
L904	645 050 8417	CORE,CLAMP	405 173 9803	TR 2SC3928A1R	
	645 044 3817	CORE,CLAMP	405 173 9902	TR 2SC3928A1S	
L905	645 050 8417	CORE,CLAMP	Q8071	405 014 4509	TR 2SC2412K T146 R
	645 044 3817	CORE,CLAMP	405 014 4608	TR 2SC2412K T146 S	
L906	645 050 8417	CORE,CLAMP	405 015 8704	TR 2SC2812-L6-TB	
L907	645 050 8417	CORE,CLAMP	405 015 8902	TR 2SC2812-L7-TB	
L908	645 050 8417	CORE,CLAMP	405 163 1602	TR 2SC2812N-L6-TB0	
L909	645 050 8417	CORE,CLAMP	405 163 1701	TR 2SC2812N-L7-TB0	
MISCELLANEOUS					
EL901B	645 043 3436	LCD(LCX039ALT-6 B)	405 173 9803	TR 2SC3928A1R	
EL901G	645 043 3412	LCD(LCX039ALT-8 G)	405 173 9902	TR 2SC3928A1S	
EL901R	645 043 3429	LCD(LCX039ALT-7 R)	Q8081	405 014 4509	TR 2SC2412K T146 R
▲FN901	645 047 9120	MOTOR,FAN DC 1.68W	405 014 4608	TR 2SC2412K T146 S	
▲FN902	645 041 7542	MOTOR,FAN DC 1.68W	405 015 8704	TR 2SC2812-L6-TB	
▲FN903	645 047 9700	MOTOR,FAN DC 11W	405 015 8902	TR 2SC2812-L7-TB	
▲FN904	645 047 9700	MOTOR,FAN DC 11W	405 163 1602	TR 2SC2812N-L6-TB0	
▲FN905	645 047 3333	MOTOR,FAN DC 11W	405 163 1701	TR 2SC2812N-L7-TB0	
▲FN906	645 049 5274	MOTOR,FAN DC 1.68W	405 173 9803	TR 2SC3928A1R	
▲FN907	645 043 3115	MOTOR,FAN DC 5.3W	405 173 9902	TR 2SC3928A1S	
▲FN908	645 042 7787	MOTOR,FAN DC 1.68W	Q8091	405 014 4509	TR 2SC2412K T146 R
▲FN909	645 047 7416	MOTOR,FAN DC 3.7W	405 014 4608	TR 2SC2412K T146 S	
▲FN910	645 047 7416	MOTOR,FAN DC 3.7W	405 015 8704	TR 2SC2812-L6-TB	
▲FN913	645 051 9970	MOTOR,FAN DC 1.92W	405 015 8902	TR 2SC2812-L7-TB	
▲F901	423 027 2602	FUSE 250V 10A	405 163 1602	TR 2SC2812N-L6-TB0	
F901A	645 061 4408	HOLDER,FUSE	405 163 1701	TR 2SC2812N-L7-TB0	
▲LP901	610 292 4848	COMPL,OPTICAL LAMP-MY6A	405 173 9803	TR 2SC3928A1R	
▲LP902	610 292 4848	COMPL,OPTICAL LAMP-MY6A	405 173 9902	TR 2SC3928A1S	
R901	401 011 7208	CARBON 820K JA 1/2W	Q8101	405 014 4509	TR 2SC2412K T146 R
SP901	610 055 5471	SPEAKER	405 014 4608	TR 2SC2412K T146 S	
SP902	610 055 5471	SPEAKER	405 015 8704	TR 2SC2812-L6-TB	
▲SW901	645 047 0400	SWITCH,POWER 2P-2TX2	405 015 8902	TR 2SC2812-L7-TB	
▲SW902	645 031 7743	SWITCH,PUSH 2P-2TX2	405 163 1602	TR 2SC2812N-L6-TB0	
SW903	645 043 5966	SWITCH,REED	405 163 1701	TR 2SC2812N-L7-TB0	
SW904	645 043 7335	SWITCH,REED	405 173 9803	TR 2SC3928A1R	
WK2B-K90	610 287 1005	CORD,SHIELD 1P	405 173 9902	TR 2SC3928A1S	
WK2G-K90	610 287 0992	CORD,SHIELD 1P	Q8102	405 014 4509	TR 2SC2412K T146 R
WK2R-K90	610 287 0985	CORD,SHIELD 1P	405 014 4608	TR 2SC2412K T146 S	
W901	610 273 1774	CORD, ID-CONNECTOR M6MA	405 015 8704	TR 2SC2812-L6-TB	
W902	610 304 9199	CORD,SHIELD 40P(GRAY)	405 015 8902	TR 2SC2812-L7-TB	
W903	610 304 9205	CORD,SHIELD 40P(BLACK)	405 163 1602	TR 2SC2812N-L6-TB0	
W904	610 294 5072	CABLE, LANP	405 163 1701	TR 2SC2812N-L7-TB0	
W905	610 294 5072	CABLE, LANP	405 173 9803	TR 2SC3928A1R	
INTEGRATED CIRCUIT					
IC8001	410 365 2203	IC SII161ACT100	405 173 9902	TR 2SC3928A1S	
IC8015	409 462 2308	IC TC7SZ04FU-TE852	IC8016	409 462 2308	IC TC7SZ04FU-TE852
IC8017	409 462 2308	IC TC7SZ04FU-TE852	IC8020	410 391 2109	IC TC74VCX374FT(EL)
IC8021	409 484 2003	IC BA7078AF-E2	IC8031	410 343 7008	IC SN74AHCT1G14DBVR
IC8032	410 343 7008	IC SN74AHCT1G14DBVR	IC8033	410 343 7008	IC SN74AHCT1G14DBVR
IC8034	409 441 8406	IC LA7217M-T-TRM	IC8041	409 445 7306	IC QS3125QX
IC8051	409 445 7306	IC AD8055ART	IC8061	409 429 6400	IC AD8055ART
IC8062	409 429 6400	IC AD8055ART	IC8063	409 429 6400	IC AD8055ART
IC8064	410 343 7008	IC SN74AHCT1G14DBVR	IC8065	410 343 7008	IC SN74AHCT1G14DBVR
IC8066	410 401 7506	IC TC74VCX16374FT	IC8071	410 401 7506	IC TC74VCX16374FT
IC8072	410 401 7506	IC TC74VCX16374FT	IC8073	410 401 7506	IC TC74VCX16374FT
IC8141	409 380 6303	IC HIN232CB	IC8141	409 273 3501	IC SP232ACT
IC8151	410 296 5700	IC TWM7000-151020	IC8152	410 275 5707	IC TWM7000-162020
IC8152	410 275 5806	IC TWM7000-162020	IC8161	409 152 5404	IC TC7S08F-TE85L
IC8171	409 395 5902	IC TC7SH00FU-(TE85L)	IC8172	409 416 6505	IC BA05FP-E2
IC8172	409 416 6505	IC BA05FP-E2	IC8181	409 404 6302	IC M62320FP
IC8182	409 404 6302	IC M62320FP	IC8182	409 505 6102	IC MD1222N
IC8183	409 487 5803	IC 24C01CT/SN	IC8193	409 434 8109	IC TC4053BFT-(EL)
IC8194	409 434 8109	IC TC4053BFT-(EL)	CAPACITOR		

Electrical Parts List

Ref. No.	Part No.	Description			Ref. No.	Part No.	Description							
C8002	403 164 0204	CERAMIC	0.1U Z	25V	C8172	403 164 0204	CERAMIC	0.1U Z	25V					
C8003	403 280 0508	ELECT	470U M	4V	C8175	403 164 0204	CERAMIC	0.1U Z	25V					
C8004	403 164 0204	CERAMIC	0.1U Z	25V	C8176	403 280 0805	ELECT	330U M	6.3V					
C8005	403 157 3601	CERAMIC	100P J	50V	C8177	403 164 0204	CERAMIC	0.1U Z	25V					
C8006	403 157 3601	CERAMIC	100P J	50V	C8178	403 280 0805	ELECT	330U M	6.3V					
C8007	403 157 3601	CERAMIC	100P J	50V	C8181	403 164 0204	CERAMIC	0.1U Z	25V					
C8008	403 157 3601	CERAMIC	100P J	50V	C8182	403 164 0204	CERAMIC	0.1U Z	25V					
C8009	403 164 0204	CERAMIC	0.1U Z	25V	C8190	403 164 0204	CERAMIC	0.1U Z	25V					
C8010	403 164 0204	CERAMIC	0.1U Z	25V	C8191	403 205 2808	CERAMIC	0.047U K	25V					
C8012	403 157 3601	CERAMIC	100P J	50V	C8192	403 113 3805	CERAMIC	1000P K	50V					
C8013	403 280 0508	ELECT	470U M	4V	C8193	403 358 1307	ELECT	330U M	25V					
C8014	403 164 0204	CERAMIC	0.1U Z	25V	C8194	403 215 2201	CERAMIC	0.01U K	50V					
C8015	403 155 1500	CERAMIC	180P J	50V	C8195	403 358 1307	ELECT	330U M	25V					
C8016	403 169 2807	CERAMIC	330P J	50V	C8196	403 164 0204	CERAMIC	0.1U Z	25V					
C8017	403 169 2807	CERAMIC	330P J	50V	C8197	403 164 0204	CERAMIC	0.1U Z	25V					
C8018	403 155 1500	CERAMIC	180P J	50V	C8198	403 113 3805	CERAMIC	1000P K	50V					
C8019	403 169 2807	CERAMIC	330P J	50V	RESISTOR									
C8021	403 169 2807	CERAMIC	330P J	50V	R80001	645 028 0696	R-NETWORK	100X4	1/32W					
C8022	403 155 1500	CERAMIC	180P J	50V	R80002	645 028 0696	R-NETWORK	100X4	1/32W					
C8023	403 164 0204	CERAMIC	0.1U Z	25V	R80003	645 028 0696	R-NETWORK	100X4	1/32W					
C8024	403 280 0508	ELECT	470U M	4V	R80004	645 028 0696	R-NETWORK	100X4	1/32W					
C8025	403 169 2807	CERAMIC	330P J	50V	R80005	645 028 0696	R-NETWORK	100X4	1/32W					
C8026	403 267 0606	NP-ELECT	4.7U M	16V	R80006	645 028 0696	R-NETWORK	100X4	1/32W					
C8028	403 266 6807	NP-ELECT	0.1U M	50V	R80007	645 028 0696	R-NETWORK	100X4	1/32W					
C8029	403 162 6208	ELECT	1U M	50V	R80008	645 028 0696	R-NETWORK	100X4	1/32W					
C8030	403 164 0204	CERAMIC	0.1U Z	25V	R80009	645 028 0696	R-NETWORK	100X4	1/32W					
C8032	403 266 8108	NP-ELECT	1U M	50V	R8010	645 028 0696	R-NETWORK	100X4	1/32W					
C8033	403 162 6604	ELECT	2.2U M	50V	R8011	645 028 0696	R-NETWORK	100X4	1/32W					
C8034	403 162 6208	ELECT	1U M	50V	R8012	645 028 0696	R-NETWORK	100X4	1/32W					
C8035	403 157 3601	CERAMIC	100P J	50V	R8013	645 028 0696	R-NETWORK	100X4	1/32W					
C8036	403 164 0204	CERAMIC	0.1U Z	25V	R8014	645 028 0696	R-NETWORK	100X4	1/32W					
C8037	403 280 0805	ELECT	330U M	6.3V	R8015	645 028 0696	R-NETWORK	100X4	1/32W					
C8038	403 164 0204	CERAMIC	0.1U Z	25V	R8016	645 028 0696	R-NETWORK	100X4	1/32W					
C8043	403 164 0204	CERAMIC	0.1U Z	25V	R8021	645 028 0696	R-NETWORK	100X4	1/32W					
C8044	403 266 8108	NP-ELECT	1U M	50V	R8022	645 028 0696	R-NETWORK	100X4	1/32W					
C8045	403 308 2101	CERAMIC	0.056U K	16V	R8023	645 028 0696	R-NETWORK	100X4	1/32W					
C8046	403 215 2904	CERAMIC	0.022U K	25V	R8024	645 028 0696	R-NETWORK	100X4	1/32W					
C8047	403 157 6909	CERAMIC	820P K	50V	R8031	645 028 0696	R-NETWORK	100X4	1/32W					
C8048	403 215 2201	CERAMIC	0.01U K	50V	R8032	645 028 0696	R-NETWORK	100X4	1/32W					
C8049	403 162 6208	ELECT	1U M	50V	R8033	645 028 0696	R-NETWORK	100X4	1/32W					
C8050	403 164 0204	CERAMIC	0.1U Z	25V	R8034	645 028 0696	R-NETWORK	100X4	1/32W					
C8052	403 164 0204	CERAMIC	0.1U Z	25V	R80131	645 026 8014	R-NETWORK	10KX4	1/16W					
C8053	403 164 0204	CERAMIC	0.1U Z	25V	R8001	401 105 5905	MT-GLAZE	560 JA	1/16W					
C8061	403 164 0204	CERAMIC	0.1U Z	25V	R8002	401 105 7909	MT-GLAZE	0.000 ZA	1/16W					
C8063	403 164 0204	CERAMIC	0.1U Z	25V	R8003	401 105 4205	MT-GLAZE	33K JA	1/16W					
C8064	403 157 1904	CERAMIC	10P D	50V	R8004	401 105 4205	MT-GLAZE	33K JA	1/16W					
C8065	403 157 3106	CERAMIC	56P J	50V	R8005	401 105 4205	MT-GLAZE	33K JA	1/16W					
C8070	403 280 0508	ELECT	470U M	4V	R8006	401 105 4205	MT-GLAZE	33K JA	1/16W					
C8072	403 157 1904	CERAMIC	10P D	50V	R8007	401 105 4205	MT-GLAZE	33K JA	1/16W					
C8073	403 164 0204	CERAMIC	0.1U Z	25V	R8008	401 105 4205	MT-GLAZE	33K JA	1/16W					
C8075	403 157 3106	CERAMIC	56P J	50V	R8009	401 105 4205	MT-GLAZE	33K JA	1/16W					
C8076	403 164 0204	CERAMIC	0.1U Z	25V	R8010	401 105 7909	MT-GLAZE	0.000 ZA	1/16W					
C8077	403 164 0204	CERAMIC	0.1U Z	25V	R8011	401 105 0405	MT-GLAZE	100 JA	1/16W					
C8079	403 164 0204	CERAMIC	0.1U Z	25V	R8012	401 113 6406	MT-GLAZE	5.1K JA	1/16W					
C8082	403 157 1904	CERAMIC	10P D	50V	R8013	401 105 7909	MT-GLAZE	0.000 ZA	1/16W					
C8085	403 157 3106	CERAMIC	56P J	50V	R8014	401 105 5103	MT-GLAZE	47 JA	1/16W					
C8086	403 164 0204	CERAMIC	0.1U Z	25V	R8015	401 105 5103	MT-GLAZE	47 JA	1/16W					
C8088	403 164 0204	CERAMIC	0.1U Z	25V	R8017	401 105 5103	MT-GLAZE	47 JA	1/16W					
C8090	403 347 5507	POS-SOLID	470U M	4V	R8018	401 105 5103	MT-GLAZE	47 JA	1/16W					
C8091	403 162 4709	ELECT	10U M	16V	R8019	401 105 7909	MT-GLAZE	0.000 ZA	1/16W					
C8092	403 162 4709	ELECT	10U M	16V	R8021	401 105 7909	MT-GLAZE	0.000 ZA	1/16W					
C8093	403 155 1500	CERAMIC	180P J	50V	R8025	401 105 7909	MT-GLAZE	0.000 ZA	1/16W					
C8094	403 146 0505	CERAMIC	1200P K	50V	R8028	401 105 0405	MT-GLAZE	100 JA	1/16W					
C8096	403 347 5507	POS-SOLID	470U M	4V	R8029	401 105 8005	MT-GLAZE	1M JA	1/16W					
C8101	403 162 4709	ELECT	10U M	16V	R8030	401 105 7909	MT-GLAZE	0.000 ZA	1/16W					
C8102	403 162 4709	ELECT	10U M	16V	R8031	401 105 4601	MT-GLAZE	3.9K JA	1/16W					
C8103	403 280 1604	ELECT	220U M	16V	R8032	401 105 0405	MT-GLAZE	100 JA	1/16W					
C8104	403 164 0204	CERAMIC	0.1U Z	25V	R8033	401 105 0405	MT-GLAZE	100 JA	1/16W					
C8132	403 283 6309	CERAMIC	1U Z	10V	R8034	401 105 0405	MT-GLAZE	100 JA	1/16W					
C8133	403 164 0204	CERAMIC	0.1U Z	25V	R8035	401 105 0405	MT-GLAZE	100 JA	1/16W					
C8141	403 175 4505	ELECT	47U M	6.3V	R8036	401 105 0405	MT-GLAZE	100 JA	1/16W					
C8142	403 162 6208	ELECT	1U M	50V	R8037	401 105 0405	MT-GLAZE	100 JA	1/16W					
C8143	403 162 6208	ELECT	1U M	50V	R8039	401 105 8005	MT-GLAZE	1M JA	1/16W					
C8144	403 162 6208	ELECT	1U M	50V	R8040	401 105 2805	MT-GLAZE	2.2K JA	1/16W					
C8145	403 162 6208	ELECT	1U M	50V	R8042	401 105 7909	MT-GLAZE	0.000 ZA	1/16W					
C8151	403 162 6208	ELECT	1U M	50V	R8043	401 105 0504	MT-GLAZE	1K JA	1/16W					
C8152	403 164 0204	CERAMIC	0.1U Z	25V	R8044	401 105 0504	MT-GLAZE	1K JA	1/16W					
C8153	403 280 0805	ELECT	330U M	6.3V	R8045	401 105 1709	MT-GLAZE	150K JA	1/16W					
C8154	403 164 0204	CERAMIC	0.1U Z	25V	R8046	401 105 0405	MT-GLAZE	100 JA	1/16W					
C8156	403 164 0204	CERAMIC	0.1U Z	25V	R8048	401 105 7909	MT-GLAZE	0.000 ZA	1/16W					
C8157	403 175 4505	ELECT	47U M	6.3V	R8049	401 105 5905	MT-GLAZE	560 JA	1/16W					
C8158	403 164 0204	CERAMIC	0.1U Z	25V	R8050	401 105 4601	MT-GLAZE	3.9K JA	1/16W					
C8171	403 280 0805	ELECT	330U M	6.3V	R8051	401 105 7909	MT-GLAZE	0.000 ZA	1/16W					

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R8052	401 105 5103	MT-GLAZE 47 JA 1/16W	R8192	401 105 0603	MT-GLAZE 10K JA 1/16W
R8053	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R8193	401 105 0603	MT-GLAZE 10K JA 1/16W
R8054	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R8194	401 290 1508	MT-GLAZE 0.1 JE 1/2W
R8056	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R8195	401 105 0405	MT-GLAZE 100 JA 1/16W
R8057	401 105 0603	MT-GLAZE 10K JA 1/16W	R8196	401 105 0405	MT-GLAZE 100 JA 1/16W
R8058	401 105 4205	MT-GLAZE 33K JA 1/16W	R8197	401 105 8005	MT-GLAZE 1M JA 1/16W
R8059	401 105 0603	MT-GLAZE 10K JA 1/16W	R8198	401 105 0702	MT-GLAZE 100K JA 1/16W
R8060	401 105 0603	MT-GLAZE 10K JA 1/16W	R8199	401 105 0603	MT-GLAZE 10K JA 1/16W
R8061	401 113 4402	MT-GLAZE 75 JA 1/16W		COIL	
R8063	401 105 4502	MT-GLAZE 390 JA 1/16W	L8001	645 026 1008	INDUCTOR, 3.3U M
R8064	401 105 0504	MT-GLAZE 1K JA 1/16W	L8002	645 026 1008	INDUCTOR, 3.3U M
R8066	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	L8003	645 026 1008	INDUCTOR, 3.3U M
R8067	401 105 0603	MT-GLAZE 10K JA 1/16W	L8088	645 014 2659	FILTER, EMI 10MHZ
R8071	401 113 4402	MT-GLAZE 75 JA 1/16W	L8089	645 026 1008	INDUCTOR, 3.3U M
R8073	401 105 4502	MT-GLAZE 390 JA 1/16W	L8101	645 014 2659	FILTER, EMI 10MHZ
R8075	401 105 0504	MT-GLAZE 1K JA 1/16W	L8102	645 014 2659	FILTER, EMI 10MHZ
R8076	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	L8121	645 014 2659	FILTER, EMI 10MHZ
R8077	401 105 0603	MT-GLAZE 10K JA 1/16W	L8122	645 014 2659	FILTER, EMI 10MHZ
R8078	401 105 0702	MT-GLAZE 100K JA 1/16W	L8123	645 014 2659	FILTER, EMI 10MHZ
R8079	401 105 0702	MT-GLAZE 100K JA 1/16W	L8124	645 014 2659	FILTER, EMI 10MHZ
R8081	401 113 4402	MT-GLAZE 75 JA 1/16W	L8125	645 014 2659	FILTER, EMI 10MHZ
R8083	401 105 4502	MT-GLAZE 390 JA 1/16W	L8126	645 014 2659	FILTER, EMI 10MHZ
R8085	401 105 0504	MT-GLAZE 1K JA 1/16W	L8141	645 014 2659	FILTER, EMI 10MHZ
R8086	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	L8191	645 037 7396	INDUCTOR, 22U M
R8087	401 105 0603	MT-GLAZE 10K JA 1/16W		DIODE	
R8088	645 048 4711	PROTECTOR, IC 0.75A 6V	D8061	407 209 1201	ZD UDZS-TE-176.2B
R8090	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	D8062	407 209 1201	ZD UDZS-TE-176.2B
R8091	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	D8071	407 209 1201	ZD UDZS-TE-176.2B
R8092	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	D8072	407 209 1201	ZD UDZS-TE-176.2B
R8093	401 105 0504	MT-GLAZE 1K JA 1/16W	D8081	407 209 1201	ZD UDZS-TE-176.2B
R8094	401 105 0603	MT-GLAZE 10K JA 1/16W	D8082	407 209 1201	ZD UDZS-TE-176.2B
R8095	401 105 5103	MT-GLAZE 47 JA 1/16W	D8088	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
R8096	401 105 5103	MT-GLAZE 47 JA 1/16W	D8091	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
R8097	401 105 5103	MT-GLAZE 47 JA 1/16W	D8092	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
R8098	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	D8093	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
R8101	401 105 5509	MT-GLAZE 470K JA 1/16W	D8094	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
R8102	401 105 5509	MT-GLAZE 470K JA 1/16W	D8095	407 149 0807	DIODE 1SS355-TE-17
R8103	401 105 0405	MT-GLAZE 100 JA 1/16W	D8096	407 149 0807	DIODE 1SS355-TE-17
R8104	401 105 0405	MT-GLAZE 100 JA 1/16W	D8101	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
R8105	401 105 3000	MT-GLAZE 220K JA 1/16W	D8102	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
R8106	401 105 3000	MT-GLAZE 220K JA 1/16W	D8103	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
R8107	401 105 3000	MT-GLAZE 220K JA 1/16W	D8104	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
R8108	401 105 3000	MT-GLAZE 220K JA 1/16W	D8121	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
R8109	401 105 0405	MT-GLAZE 100 JA 1/16W	D8122	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
R8111	401 105 2805	MT-GLAZE 2.2K JA 1/16W	D8123	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
R8112	401 105 0405	MT-GLAZE 100 JA 1/16W	D8124	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
R8113	401 105 2805	MT-GLAZE 2.2K JA 1/16W	D8125	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
R8114	401 105 0405	MT-GLAZE 100 JA 1/16W	D8126	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
R8115	401 105 0405	MT-GLAZE 100 JA 1/16W	D8127	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
R8121	401 105 0603	MT-GLAZE 10K JA 1/16W	D8128	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
R8122	401 105 4205	MT-GLAZE 33K JA 1/16W	D8141	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
R8131	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	D8142	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
R8132	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	D8175	407 149 0807	DIODE 1SS355-TE-17
R8133	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	D8176	407 149 0807	DIODE 1SS355-TE-17
R8134	401 105 0603	MT-GLAZE 10K JA 1/16W	D8191	407 201 2701	DIODE RB051L-40-TE25
R8135	401 105 0603	MT-GLAZE 10K JA 1/16W	D8192	407 201 2701	DIODE RB051L-40-TE25
R8136	401 105 0603	MT-GLAZE 10K JA 1/16W	D8193	407 149 0807	DIODE 1SS355-TE-17
R8145	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	D8194	407 201 2701	DIODE RB051L-40-TE25
R8151	401 105 0603	MT-GLAZE 10K JA 1/16W	D8195	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
R8152	401 105 0603	MT-GLAZE 10K JA 1/16W	D8196	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
R8153	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	D8197	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
R8154	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	D8198	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
R8155	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	MISCELLANEOUS		
R8156	401 105 0603	MT-GLAZE 10K JA 1/16W	TP80B	645 036 5010	TERMINAL
R8157	401 105 0603	MT-GLAZE 10K JA 1/16W	TP80G	645 036 5010	TERMINAL
R8158	401 105 0405	MT-GLAZE 100 JA 1/16W	TP80H	645 036 5010	TERMINAL
R8159	401 105 0603	MT-GLAZE 10K JA 1/16W	TP80R	645 036 5010	TERMINAL
R8161	401 105 0603	MT-GLAZE 10K JA 1/16W	TP80V	645 036 5010	TERMINAL
R8162	401 035 4108	MT-GLAZE 0.000 ZA 1/8W	K80A	645 048 4643	SOCKET, DVI 29P
R8171	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	K80A1	412 062 1909	SPECIAL SCREW
R8172	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	K80A2	412 062 1909	SPECIAL SCREW
R8173	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	K80H	645 041 6071	SOCKET, I/O 176P
R8177	401 105 0405	MT-GLAZE 100 JA 1/16W	K80H1	610 289 9795	JOINT GUIDE BUSH ML6A
R8179	401 105 0603	MT-GLAZE 10K JA 1/16W	K80H2	610 289 9795	JOINT GUIDE BUSH ML6A
R8180	401 113 6406	MT-GLAZE 5.1K JA 1/16W	K81A	645 040 9974	JACK, RCA-2
R8183	401 105 0603	MT-GLAZE 10K JA 1/16W	K81B	645 041 1076	SOCKET, DIN 8P
R8184	401 105 0603	MT-GLAZE 10K JA 1/16W	X8041	645 006 3459	OSC, CERAMIC 500.0KHZ
R8185	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	X8151	645 021 1218	OSC, CERAMIC 8.00MHZ
R8187	401 257 7000	MT-GLAZE 820 FA 1/16W		645 037 5187	OSC, CERAMIC 8.00MHZ
R8188	401 218 4505	MT-GLAZE 2.2K FA 1/16W	X8152	645 021 1218	OSC, CERAMIC 8.00MHZ
R8189	401 105 0603	MT-GLAZE 10K JA 1/16W		645 037 5187	OSC, CERAMIC 8.00MHZ
R8190	401 105 0405	MT-GLAZE 100 JA 1/16W		645 037 5187	OSC, CERAMIC 8.00MHZ
R8191	401 105 0405	MT-GLAZE 100 JA 1/16W		645 037 5187	OSC, CERAMIC 8.00MHZ

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description

■ Assembly PWB for “Terminal Board CONPONENT”					
	610 299 3905	ASSY, PWB, CONPONENT MT8A			
TRANSISTOR					
Q1011	405 014 4509	TR 2SC2412K T146 R	405 163 1602	TR 2SC2812N-L6-TB0	
	405 014 4608	TR 2SC2412K T146 S	405 163 1701	TR 2SC2812N-L7-TB0	
	405 015 8704	TR 2SC2812-L6-TB	405 173 9803	TR 2SC3928A1R	
	405 015 8902	TR 2SC2812-L7-TB	405 173 9902	TR 2SC3928A1S	
	405 163 1602	TR 2SC2812N-L6-TB0			
	405 163 1701	TR 2SC2812N-L7-TB0			
	405 173 9803	TR 2SC3928A1R			
	405 173 9902	TR 2SC3928A1S			
Q1015	405 014 4509	TR 2SC2412K T146 R			
	405 014 4608	TR 2SC2412K T146 S			
	405 015 8704	TR 2SC2812-L6-TB			
	405 015 8902	TR 2SC2812-L7-TB			
	405 163 1602	TR 2SC2812N-L6-TB0			
	405 163 1701	TR 2SC2812N-L7-TB0			
	405 173 9803	TR 2SC3928A1R			
	405 173 9902	TR 2SC3928A1S			
Q1062	405 014 4509	TR 2SC2412K T146 R			
	405 014 4608	TR 2SC2412K T146 S			
	405 015 8704	TR 2SC2812-L6-TB			
	405 015 8902	TR 2SC2812-L7-TB			
	405 163 1602	TR 2SC2812N-L6-TB0			
	405 163 1701	TR 2SC2812N-L7-TB0			
	405 173 9803	TR 2SC3928A1R			
	405 173 9902	TR 2SC3928A1S			
Q1063	405 014 4509	TR 2SC2412K T146 R			
	405 014 4608	TR 2SC2412K T146 S			
	405 015 8704	TR 2SC2812-L6-TB			
	405 015 8902	TR 2SC2812-L7-TB			
	405 163 1602	TR 2SC2812N-L6-TB0			
	405 163 1701	TR 2SC2812N-L7-TB0			
	405 173 9803	TR 2SC3928A1R			
	405 173 9902	TR 2SC3928A1S			
Q1064	405 014 4509	TR 2SC2412K T146 R			
	405 014 4608	TR 2SC2412K T146 S			
	405 015 8704	TR 2SC2812-L6-TB			
	405 015 8902	TR 2SC2812-L7-TB			
	405 163 1602	TR 2SC2812N-L6-TB0			
	405 163 1701	TR 2SC2812N-L7-TB0			
	405 173 9803	TR 2SC3928A1R			
	405 173 9902	TR 2SC3928A1S			
Q1066	405 014 4509	TR 2SC2412K T146 R			
	405 014 4608	TR 2SC2412K T146 S			
	405 015 8704	TR 2SC2812-L6-TB			
	405 015 8902	TR 2SC2812-L7-TB			
	405 163 1602	TR 2SC2812N-L6-TB0			
	405 163 1701	TR 2SC2812N-L7-TB0			
	405 173 9803	TR 2SC3928A1R			
	405 173 9902	TR 2SC3928A1S			
Q1068	405 014 4509	TR 2SC2412K T146 R			
	405 014 4608	TR 2SC2412K T146 S			
	405 015 8704	TR 2SC2812-L6-TB			
	405 015 8902	TR 2SC2812-L7-TB			
	405 163 1602	TR 2SC2812N-L6-TB0			
	405 163 1701	TR 2SC2812N-L7-TB0			
	405 173 9803	TR 2SC3928A1R			
	405 173 9902	TR 2SC3928A1S			
Q1091	405 014 4509	TR 2SC2412K T146 R			
	405 014 4608	TR 2SC2412K T146 S			
	405 015 8704	TR 2SC2812-L6-TB			
	405 015 8902	TR 2SC2812-L7-TB			
	405 163 1602	TR 2SC2812N-L6-TB0			
	405 163 1701	TR 2SC2812N-L7-TB0			
	405 173 9803	TR 2SC3928A1R			
	405 173 9902	TR 2SC3928A1S			
Q3011	405 014 4509	TR 2SC2412K T146 R			
	405 014 4608	TR 2SC2412K T146 S			
	405 015 8704	TR 2SC2812-L6-TB			
	405 015 8902	TR 2SC2812-L7-TB			
	405 163 1602	TR 2SC2812N-L6-TB0			
	405 163 1701	TR 2SC2812N-L7-TB0			
	405 173 9803	TR 2SC3928A1R			
	405 173 9902	TR 2SC3928A1S			
Q3015	405 014 4509	TR 2SC2412K T146 R			
	405 014 4608	TR 2SC2412K T146 S			
	405 015 8704	TR 2SC2812-L6-TB			
	405 015 8902	TR 2SC2812-L7-TB			
	405 163 1602	TR 2SC2812N-L6-TB0			
	405 163 1701	TR 2SC2812N-L7-TB0			
	405 173 9803	TR 2SC3928A1R			
	405 173 9902	TR 2SC3928A1S			
			INTEGRATED CIRCUIT		
			IC1004 410 343 7008	IC SN74AHCT1G14DBVR	
			IC1005 410 343 7008	IC SN74AHCT1G14DBVR	
			IC1051 409 484 2003	IC BA7078AF-E2	
			IC1052 410 343 7008	IC SN74AHCT1G14DBVR	
			IC1053 410 343 7008	IC SN74AHCT1G14DBVR	
			IC1054 410 392 4706	IC SN74AHCT1G125DCK	
			IC1056 410 343 7008	IC SN74AHCT1G14DBVR	
			IC1061 409 502 8703	IC TA1318N	
			IC2001 409 536 5600	IC AD8075ARU	
			IC2041 409 461 7809	IC PQ20WZ11	
			IC2051 409 441 8406	IC LA7217M-T-TRM	
			IC2052 410 365 2104	IC SN74LS221DBR	
			IC2071 409 470 2604	IC AD8183ARU	
			IC2081 409 404 6302	IC M62320FP	
			IC2082 409 463 7500	IC 24LC02BT/SN-T	
			409 417 5507	IC 24LC04BT/SN	
			IC2091 410 358 1503	IC TC74HC4053AFT(EL)	
			IC3031 409 380 6303	IC HIN232CB	
			409 273 3501	IC SP232ACT	
			IC3051 410 296 5700	IC TWM7000-151020	
			IC3061 410 275 5707	IC TWM7000-162020	
			410 275 5806	IC TWM7000-162020	
			IC3071 409 416 6505	IC BA05FP-E2	
			IC3081 409 461 7304	IC AD8057ART	
			IC3082 409 461 7304	IC AD8057ART	
			IC3083 409 461 7304	IC AD8057ART	
			IC3084 409 461 7304	IC AD8057ART	
			IC3091 409 395 5902	IC TC7SH00FU-(TE85L)	
CAPACITOR					
	C1001 403 267 0606	NP-ELECT	4.7U M	16V	
	C1002 403 267 0606	NP-ELECT	4.7U M	16V	
	C1003 403 155 1500	CERAMIC	180P J	50V	
	C1004 403 146 0505	CERAMIC	1200P K	50V	
	C1005 403 267 0804	NP-ELECT	47U M	6.3V	
	C1006 403 267 0804	NP-ELECT	47U M	6.3V	
	C1007 403 267 0804	NP-ELECT	47U M	6.3V	
	C1012 403 280 0805	ELECT	330U M	6.3V	
	C1013 403 164 0204	CERAMIC	0.1U Z	25V	
	C1014 403 280 0805	ELECT	330U M	6.3V	
	C1015 403 164 0204	CERAMIC	0.1U Z	25V	
	C1021 403 157 1508	CERAMIC	3P C	50V	
	C1022 403 157 1904	CERAMIC	10P D	50V	
	C1023 403 175 3300	ELECT	47U M	16V	
	C1027 403 304 2105	ELECT	47U M	6.3V	
	C1028 403 164 0204	CERAMIC	0.1U Z	25V	
	C1029 403 162 6208	ELECT	1U M	50V	
	C1031 403 215 2201	CERAMIC	0.01U K	50V	
	C1032 403 157 6909	CERAMIC	820P K	50V	
	C1033 403 266 8108	NP-ELECT	1U M	50V	
	C1034 403 237 8700	CERAMIC	0.056U Z	50V	
	C1035 403 224 6603	CERAMIC	0.022U Z	50V	
	C1036 403 164 0204	CERAMIC	0.1U Z	25V	
	C1037 403 164 0204	CERAMIC	0.1U Z	25V	
	C1038 403 164 0204	CERAMIC	0.1U Z	25V	
	C1041 403 164 0204	CERAMIC	0.1U Z	25V	
	C1042 403 164 0204	CERAMIC	0.1U Z	25V	
	C1043 403 304 2105	ELECT	47U M	6.3V	
	C1044 403 164 0204	CERAMIC	0.1U Z	25V	
	C1051 403 267 0606	NP-ELECT	4.7U M	16V	
	C1052 403 266 6807	NP-ELECT	0.1U M	50V	
	C1053 403 162 6208	ELECT	1U M	50V	
	C1054 403 266 8108	NP-ELECT	1U M	50V	
	C1055 403 162 6604	ELECT	2.2U M	50V	
	C1056 403 162 6208	ELECT	1U M	50V	
	C1057 403 157 3601	CERAMIC	100P J	50V	
	C1058 403 164 0204	CERAMIC	0.1U Z	25V	
	C1059 403 280 0805	ELECT	330U M	6.3V	
	C1063 403 162 6604	ELECT	2.2U M	50V	
	C1064 403 215 2201	CERAMIC	0.01U K	50V	
	C1065 403 229 3508	ELECT	100U M	16V	
	C1066 403 149 9208	CERAMIC	0.01U Z	50V	
	C1069 403 162 6208	ELECT	1U M	50V	
	C1071 403 162 6208	ELECT	1U M	50V	
	C1072 403 280 1604	ELECT	220U M	16V	
	C2004 403 164 0204	CERAMIC	0.1U Z	25V	
	C2005 403 280 0805	ELECT	330U M	6.3V	
	C2006 403 164 0204	CERAMIC	0.1U Z	25V	
	C2007 403 164 0204	CERAMIC	0.1U Z	25V	

Electrical Parts List

Ref. No.	Part No.	Description			Ref. No.	Part No.	Description		
C2008	403 280 0805	ELECT	330U M	6.3V	R1061	401 105 0405	MT-GLAZE	100	JA 1/16W
C2040	403 280 1604	ELECT	220U M	16V	R1062	401 105 0405	MT-GLAZE	100	JA 1/16W
C2044	403 280 0805	ELECT	330U M	6.3V	R1063	401 113 6604	MT-GLAZE	7.5K	JA 1/16W
C2059	403 164 0204	CERAMIC	0.1U Z	25V	R1064	401 113 5201	MT-GLAZE	360	JA 1/16W
C2072	403 164 0204	CERAMIC	0.1U Z	25V	R1065	401 105 0405	MT-GLAZE	100	JA 1/16W
C2073	403 164 0204	CERAMIC	0.1U Z	25V	R1066	401 105 0405	MT-GLAZE	100	JA 1/16W
C2074	403 149 9208	CERAMIC	0.01U Z	50V	R1067	401 105 0405	MT-GLAZE	100	JA 1/16W
C2075	403 149 9208	CERAMIC	0.01U Z	50V	R1068	401 105 0603	MT-GLAZE	10K	JA 1/16W
C2076	403 149 9208	CERAMIC	0.01U Z	50V	R1069	401 105 0405	MT-GLAZE	100	JA 1/16W
C2078	403 164 0204	CERAMIC	0.1U Z	25V	R1070	401 105 3000	MT-GLAZE	220K	JA 1/16W
C2079	403 164 0204	CERAMIC	0.1U Z	25V	R1071	401 105 0405	MT-GLAZE	100	JA 1/16W
C2081	403 280 0607	ELECT	220U M	6.3V	R1072	401 105 3000	MT-GLAZE	220K	JA 1/16W
C2082	403 149 9208	CERAMIC	0.01U Z	50V	R1073	401 105 0405	MT-GLAZE	100	JA 1/16W
C2083	403 149 9208	CERAMIC	0.01U Z	50V	R1075	401 105 0603	MT-GLAZE	10K	JA 1/16W
C2085	403 149 9208	CERAMIC	0.01U Z	50V	R1076	401 105 0405	MT-GLAZE	100	JA 1/16W
C2086	403 280 0607	ELECT	220U M	6.3V	R1077	401 113 5102	MT-GLAZE	300	JA 1/16W
C2087	403 164 0204	CERAMIC	0.1U Z	25V	R1078	401 105 0405	MT-GLAZE	100	JA 1/16W
C2088	403 164 0204	CERAMIC	0.1U Z	25V	R1079	401 105 5202	MT-GLAZE	470	JA 1/16W
C2089	403 164 0204	CERAMIC	0.1U Z	25V	R1081	401 105 1709	MT-GLAZE	150K	JA 1/16W
C3001	403 162 4709	ELECT	10U M	16V	R1082	401 177 2109	MT-GLAZE	4.7M	JA 1/16W
C3002	403 162 4709	ELECT	10U M	16V	R1083	401 105 4106	MT-GLAZE	3.3K	JA 1/16W
C3003	403 164 0204	CERAMIC	0.1U Z	25V	R1084	401 105 0504	MT-GLAZE	1K	JA 1/16W
C3021	403 283 6309	CERAMIC	1U Z	10V	R1085	401 105 0504	MT-GLAZE	1K	JA 1/16W
C3031	403 283 6309	CERAMIC	1U Z	10V	R1086	401 105 4700	MT-GLAZE	39K	JA 1/16W
C3032	403 162 6208	ELECT	1U M	50V	R1087	401 105 0306	MT-GLAZE	10	JA 1/16W
C3033	403 162 6208	ELECT	1U M	50V	R1088	401 105 4601	MT-GLAZE	3.9K	JA 1/16W
C3034	403 162 6208	ELECT	1U M	50V	R1089	401 113 6604	MT-GLAZE	7.5K	JA 1/16W
C3035	403 162 6208	ELECT	1U M	50V	R1091	401 105 0603	MT-GLAZE	10K	JA 1/16W
C3041	403 283 6309	CERAMIC	1U Z	10V	R1092	401 105 0603	MT-GLAZE	10K	JA 1/16W
C3051	403 175 4505	ELECT	47U M	6.3V	R1093	401 105 0603	MT-GLAZE	10K	JA 1/16W
C3052	403 283 6309	CERAMIC	1U Z	10V	R1094	401 105 0603	MT-GLAZE	10K	JA 1/16W
C3053	403 162 6208	ELECT	1U M	50V	R2001	401 105 4502	MT-GLAZE	390	JA 1/16W
C3054	403 283 6309	CERAMIC	1U Z	10V	R2002	401 105 4502	MT-GLAZE	390	JA 1/16W
C3061	403 283 6309	CERAMIC	1U Z	10V	R2003	401 105 4502	MT-GLAZE	390	JA 1/16W
C3062	403 283 6309	CERAMIC	1U Z	10V	R2004	401 105 4007	MT-GLAZE	330	JA 1/16W
C3071	403 164 0204	CERAMIC	0.1U Z	25V	R2005	401 105 4007	MT-GLAZE	330	JA 1/16W
C3072	403 280 0805	ELECT	330U M	6.3V	R2006	401 105 4007	MT-GLAZE	330	JA 1/16W
C3081	403 157 1508	CERAMIC	3P C	50V	R2007	401 105 4007	MT-GLAZE	330	JA 1/16W
C3082	403 157 1904	CERAMIC	10P D	50V	R2008	401 105 4007	MT-GLAZE	330	JA 1/16W
C3083	403 157 1508	CERAMIC	3P C	50V	R2009	401 105 4007	MT-GLAZE	330	JA 1/16W
C3084	403 157 1904	CERAMIC	10P D	50V	R2011	401 105 7909	MT-GLAZE	0.000	ZA 1/16W
C3085	403 157 1508	CERAMIC	3P C	50V	R2012	401 105 7909	MT-GLAZE	0.000	ZA 1/16W
C3086	403 157 1904	CERAMIC	10P D	50V	R2013	401 105 7909	MT-GLAZE	0.000	ZA 1/16W
RESISTOR					R2014	401 105 7909	MT-GLAZE	0.000	ZA 1/16W
RB3041	645 025 5380	R-NETWORK	10KX4	1/16W	R2042	401 113 5201	MT-GLAZE	360	JA 1/16W
	645 026 8014	R-NETWORK	10KX4	1/16W	R2043	401 105 5301	MT-GLAZE	4.7K	JA 1/16W
R1001	401 226 1206	MT-GLAZE	150 FA	1/16W	R2044	401 105 2805	MT-GLAZE	2.2K	JA 1/16W
R1002	401 226 1206	MT-GLAZE	150 FA	1/16W	R2045	401 035 4108	MT-GLAZE	0.000	ZA 1/8W
R1004	401 226 1206	MT-GLAZE	150 FA	1/16W	R2046	401 035 4108	MT-GLAZE	0.000	ZA 1/8W
R1005	401 226 1206	MT-GLAZE	150 FA	1/16W	R2047	401 036 8907	MT-GLAZE	5.6	JA 1/8W
R1007	401 226 1206	MT-GLAZE	150 FA	1/16W	R2070	401 105 0603	MT-GLAZE	10K	JA 1/16W
R1008	401 226 1206	MT-GLAZE	150 FA	1/16W	R2071	401 105 0603	MT-GLAZE	10K	JA 1/16W
R1010	401 113 4709	MT-GLAZE	130 JA	1/16W	R2077	401 105 7909	MT-GLAZE	0.000	ZA 1/16W
R1011	401 113 4709	MT-GLAZE	130 JA	1/16W	R2078	401 105 7909	MT-GLAZE	0.000	ZA 1/16W
R1012	401 105 7909	MT-GLAZE	0.000	ZA 1/16W	R2079	401 105 7909	MT-GLAZE	0.000	ZA 1/16W
R1014	401 105 0405	MT-GLAZE	100 JA	1/16W	R2081	401 105 2805	MT-GLAZE	2.2K	JA 1/16W
R1015	401 113 4709	MT-GLAZE	130 JA	1/16W	R2082	401 105 7909	MT-GLAZE	0.000	ZA 1/16W
R1016	401 105 7909	MT-GLAZE	0.000	ZA 1/16W	R2084	401 105 0405	MT-GLAZE	100	JA 1/16W
R1018	401 113 4907	MT-GLAZE	200 JA	1/16W	R2085	401 105 0405	MT-GLAZE	100	JA 1/16W
R1019	401 113 4709	MT-GLAZE	130 JA	1/16W	R2086	401 105 0405	MT-GLAZE	100	JA 1/16W
R1021	401 105 0702	MT-GLAZE	100K JA	1/16W	R2087	401 105 0405	MT-GLAZE	100	JA 1/16W
R1025	401 105 0702	MT-GLAZE	100K JA	1/16W	R2097	401 105 7909	MT-GLAZE	0.000	ZA 1/16W
R1029	401 105 0702	MT-GLAZE	100K JA	1/16W	R2098	401 105 7909	MT-GLAZE	0.000	ZA 1/16W
R1037	401 105 0702	MT-GLAZE	100K JA	1/16W	R2099	401 105 7909	MT-GLAZE	0.000	ZA 1/16W
R1038	401 105 0702	MT-GLAZE	100K JA	1/16W	R3001	401 105 5509	MT-GLAZE	470K	JA 1/16W
R1039	401 105 5400	MT-GLAZE	47K JA	1/16W	R3002	401 105 5509	MT-GLAZE	470K	JA 1/16W
R1040	401 105 5400	MT-GLAZE	47K JA	1/16W	R3003	401 105 0405	MT-GLAZE	100	JA 1/16W
R1041	401 105 4502	MT-GLAZE	390 JA	1/16W	R3004	401 105 0405	MT-GLAZE	100	JA 1/16W
R1042	401 105 0504	MT-GLAZE	1K JA	1/16W	R3006	401 105 2805	MT-GLAZE	2.2K	JA 1/16W
R1043	401 105 0504	MT-GLAZE	1K JA	1/16W	R3007	401 113 6604	MT-GLAZE	7.5K	JA 1/16W
R1044	401 105 2508	MT-GLAZE	20K JA	1/16W	R3008	401 105 3000	MT-GLAZE	220K	JA 1/16W
R1045	401 105 7503	MT-GLAZE	82K JA	1/16W	R3009	401 105 3000	MT-GLAZE	220K	JA 1/16W
R1046	401 105 0405	MT-GLAZE	100 JA	1/16W	R3011	401 105 3000	MT-GLAZE	220K	JA 1/16W
R1047	401 105 0504	MT-GLAZE	1K JA	1/16W	R3012	401 105 0405	MT-GLAZE	100	JA 1/16W
R1048	401 105 0504	MT-GLAZE	1K JA	1/16W	R3013	401 105 2805	MT-GLAZE	2.2K	JA 1/16W
R1049	401 105 0504	MT-GLAZE	1K JA	1/16W	R3014	401 105 0405	MT-GLAZE	100	JA 1/16W
R1051	401 105 7909	MT-GLAZE	0.000	ZA 1/16W	R3015	401 105 3000	MT-GLAZE	220K	JA 1/16W
R1053	401 105 8005	MT-GLAZE	1M JA	1/16W	R3016	401 105 0405	MT-GLAZE	100	JA 1/16W
R1054	401 105 4601	MT-GLAZE	3.9K JA	1/16W	R3017	401 105 2805	MT-GLAZE	2.2K	JA 1/16W
R1055	401 105 0405	MT-GLAZE	100 JA	1/16W	R3018	401 105 0405	MT-GLAZE	100	JA 1/16W
R1056	401 105 0405	MT-GLAZE	100 JA	1/16W	R3021	401 105 7909	MT-GLAZE	0.000	ZA 1/16W
R1059	401 105 0405	MT-GLAZE	100 JA	1/16W	R3022	401 105 7909	MT-GLAZE	0.000	ZA 1/16W
R1060	401 105 0405	MT-GLAZE	100 JA	1/16W	R3023	401 105 5400	MT-GLAZE	47K	JA 1/16W

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R3027	401 105 0603	MT-GLAZE 10K JA 1/16W	SC1003	645 045 7449	SURGE-ABSORBER
R3028	401 105 0603	MT-GLAZE 10K JA 1/16W	X1061	645 046 9213	OSC,CERAMIC 503.0KHZ
R3031	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	X1062	645 006 3459	OSC,CERAMIC 500.0KHZ
R3045	401 105 0603	MT-GLAZE 10K JA 1/16W	X3051	645 021 1218	OSC,CERAMIC 8.00MHZ
R3046	401 105 0603	MT-GLAZE 10K JA 1/16W		645 037 5187	OSC,CERAMIC 8.00MHZ
R3047	401 105 0603	MT-GLAZE 10K JA 1/16W	X3061	645 021 1218	OSC,CERAMIC 8.00MHZ
R3048	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		645 037 5187	OSC,CERAMIC 8.00MHZ
R3051	401 105 0603	MT-GLAZE 10K JA 1/16W	*****	*****	*****
R3052	401 105 0603	MT-GLAZE 10K JA 1/16W	■ Assembly PWB CG-MOTHER	610 300 9254	ASSY,PWB,CGMOTHER MY8A
R3053	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	TRANSISTOR		
R3054	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	Q9001	405 014 4509	TR 2SC2412K T146 R
R3061	401 105 0603	MT-GLAZE 10K JA 1/16W		405 014 4608	TR 2SC2412K T146 S
R3062	401 105 0603	MT-GLAZE 10K JA 1/16W		405 015 8704	TR 2SC2812-L6-TB
R3063	401 105 0405	MT-GLAZE 100 JA 1/16W		405 015 8902	TR 2SC2812-L7-TB
R3064	401 105 0603	MT-GLAZE 10K JA 1/16W		405 163 1602	TR 2SC2812N-L6-TB0
R3065	401 105 0603	MT-GLAZE 10K JA 1/16W		405 163 1701	TR 2SC2812N-L7-TB0
R3066	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		405 173 9803	TR 2SC3928A1R
R3072	401 035 4108	MT-GLAZE 0.000 ZA 1/8W		405 173 9902	TR 2SC3928A1S
R3074	401 105 0504	MT-GLAZE 1K JA 1/16W	Q9002	405 134 5905	TR 2SA1037AK-T146-R
R3081	401 105 5905	MT-GLAZE 560 JA 1/16W		405 147 2205	TR 2SA1037AK-S-T146
R3083	401 105 0504	MT-GLAZE 1K JA 1/16W		405 002 0308	TR 2SA1037K T146 R
R3084	401 105 5905	MT-GLAZE 560 JA 1/16W		405 002 0407	TR 2SA1037K T146 S
R3086	401 105 0504	MT-GLAZE 1K JA 1/16W		405 002 6706	TR 2SA1179-M6-TB
R3087	401 105 5905	MT-GLAZE 560 JA 1/16W		405 002 6904	TR 2SA1179-M7-TB
R3089	401 105 0504	MT-GLAZE 1K JA 1/16W		405 163 1503	TR 2SA1179N-M6-TB
R3091	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		405 163 2708	TR 2SA1179N-M7-TB
R3092	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		405 173 9605	TR 2SA1235A1E
R3093	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		405 173 9704	TR 2SA1235A1F
COIL			Q9003	405 014 4509	TR 2SC2412K T146 R
L1004	645 025 0637	FILTER,EMI 190PF		405 014 4608	TR 2SC2412K T146 S
L1005	645 025 0637	FILTER,EMI 190PF		405 015 8704	TR 2SC2812-L6-TB
L1061	645 036 3894	INDUCTOR, 220 OHM		405 015 8902	TR 2SC2812-L7-TB
L2001	645 040 7796	FILTER,LP 30MHZ		405 163 1602	TR 2SC2812N-L6-TB0
L2002	645 040 7796	FILTER,LP 30MHZ		405 163 1701	TR 2SC2812N-L7-TB0
L2003	645 040 7796	FILTER,LP 30MHZ		405 173 9803	TR 2SC3928A1R
L2071	645 036 3894	INDUCTOR, 220 OHM		405 173 9902	TR 2SC3928A1S
L2072	645 036 3894	INDUCTOR, 220 OHM	Q9004	405 134 5905	TR 2SA1037AK-T146-R
L3001	645 014 2659	FILTER,EMI 10MHZ		405 147 2205	TR 2SA1037AK-S-T146
L3002	645 014 2659	FILTER,EMI 10MHZ		405 002 0308	TR 2SA1037K T146 R
L3003	645 014 2659	FILTER,EMI 10MHZ		405 002 0407	TR 2SA1037K T146 S
L3004	645 014 2659	FILTER,EMI 10MHZ		405 002 6706	TR 2SA1179-M6-TB
L3005	645 014 2659	FILTER,EMI 10MHZ		405 002 6904	TR 2SA1179-M7-TB
L3006	645 014 2659	FILTER,EMI 10MHZ		405 163 1503	TR 2SA1179N-M6-TB
L3007	645 014 2659	FILTER,EMI 10MHZ		405 163 2708	TR 2SA1179N-M7-TB
L3008	645 014 2659	FILTER,EMI 10MHZ		405 173 9605	TR 2SA1235A1E
L3009	645 014 2659	FILTER,EMI 10MHZ		405 173 9704	TR 2SA1235A1F
DIODE			Q9003	405 014 4509	TR 2SC2412K T146 R
D1007	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3		405 014 4608	TR 2SC2412K T146 S
D1008	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3		405 015 8704	TR 2SC2812-L6-TB
D1009	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3		405 015 8902	TR 2SC2812-L7-TB
D1011	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3		405 163 1602	TR 2SC2812N-L6-TB0
D1012	407 092 9506	DIODE SB07-03C-TB		405 163 1701	TR 2SC2812N-L7-TB0
D1013	407 092 9506	DIODE SB07-03C-TB	Q9004	405 173 9803	TR 2SC3928A1R
D1014	407 149 0807	DIODE 1SS355-TE-17		405 173 9902	TR 2SC3928A1S
D1015	407 149 0807	DIODE 1SS355-TE-17		405 14 4509	TR 2SA1037AK-T146-R
D2081	407 149 0807	DIODE 1SS355-TE-17		405 14 4608	TR 2SA1037AK-S-T146
D2082	407 149 0807	DIODE 1SS355-TE-17		405 002 0308	TR 2SA1037K T146 R
D3001	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)		405 002 0407	TR 2SA1037K T146 S
D3002	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)		405 002 6706	TR 2SA1179-M6-TB
D3003	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)		405 002 6904	TR 2SA1179-M7-TB
D3004	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)		405 163 1503	TR 2SA1179N-M6-TB
D3005	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)		405 163 2708	TR 2SA1179N-M7-TB
D3006	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)		405 173 9605	TR 2SA1235A1E
D3007	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)		405 173 9704	TR 2SA1235A1F
D3008	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)	Q9021	405 14 4509	TR 2SC2412K T146 R
D3009	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)		405 14 4608	TR 2SC2412K T146 S
D3011	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)		405 015 8704	TR 2SC2812-L6-TB
D3012	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)		405 015 8902	TR 2SC2812-L7-TB
D3013	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)		405 163 1602	TR 2SC2812N-L6-TB0
D3014	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)		405 163 1701	TR 2SC2812N-L7-TB0
D3015	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)	Q9027	405 173 9803	TR 2SC3928A1R
MISCELLANEOUS				405 173 9902	TR 2SC3928A1S
TP2071	645 036 5010	TERMINAL		405 14 4509	TR 2SC2412K T146 R
TP2072	645 036 5010	TERMINAL		405 14 4608	TR 2SC2412K T146 S
TP2073	645 036 5010	TERMINAL		405 015 8704	TR 2SC2812-L6-TB
K10A	645 028 0412	SOCKET,BNC 5P		405 015 8902	TR 2SC2812-L7-TB
K10B	645 040 9974	JACK,RCA-2		405 163 1602	TR 2SC2812N-L6-TB0
K10C	645 041 1076	SOCKET,DIN 8P		405 163 1701	TR 2SC2812N-L7-TB0
K10H	645 041 6071	SOCKET,I/O 176P		405 173 9803	TR 2SC3928A1R
K10H1	610 289 9795	JOINT GUIDE BUSH ML6A		405 173 9902	TR 2SC3928A1S
K10H2	610 289 9795	JOINT GUIDE BUSH ML6A	Q9029	405 014 4509	TR 2SC2412K T146 R
SC1001	645 045 7449	SURGE-ABSORBER		405 014 4608	TR 2SC2412K T146 S
SC1002	645 045 7449	SURGE-ABSORBER		405 015 8704	TR 2SC2812-L6-TB
				405 015 8902	TR 2SC2812-L7-TB
				405 163 1602	TR 2SC2812N-L6-TB0
				405 163 1701	TR 2SC2812N-L7-TB0
				405 173 9803	TR 2SC3928A1R
				405 173 9902	TR 2SC3928A1S
				405 014 4509	TR 2SC2412K T146 R
				405 014 4608	TR 2SC2412K T146 S
				405 015 8704	TR 2SC2812-L6-TB
				405 015 8902	TR 2SC2812-L7-TB
				405 163 1602	TR 2SC2812N-L6-TB0
				405 163 1701	TR 2SC2812N-L7-TB0
				405 173 9803	TR 2SC3928A1R
				405 173 9902	TR 2SC3928A1S
				405 014 4509	TR 2SC2412K T146 R
				405 014 4608	TR 2SC2412K T146 S
				405 015 8704	TR 2SC2812-L6-TB
				405 015 8902	TR 2SC2812-L7-TB
				405 163 1602	TR 2SC2812N-L6-TB0
				405 163 1701	TR 2SC2812N-L7-TB0
				405 173 9803	TR 2SC3928A1R
				405 173 9902	TR 2SC3928A1S
				405 014 4509	TR 2SC2412K T146 R
				405 014 4608	TR 2SC2412K T146 S
				405 015 8704	TR 2SC2812-L6-TB
				405 015 8902	TR 2SC2812-L7-TB
				405 163 1602	TR 2SC2812N-L6-TB0
				405 163 1701	TR 2SC2812N-L7-TB0
				405 173 9803	TR 2SC3928A1R
				405 173 9902	TR 2SC3928A1S
				405 014 4509	TR 2SC2412K T146 R
				405 014 4608	TR 2SC2412K T146 S
				405 015 8704	TR 2SC2812-L6-TB
				405 015 8902	TR 2SC2812-L7-TB
				405 163 1602	TR 2SC2812N-L6-TB0
				405 163 1701	TR 2SC2812N-L7-TB0
				405 173 9803	TR 2SC3928A1R
				405 173 9902	TR 2SC3928A1S
				405 014 4509	TR 2SC2412K T146 R
				405 014 4608	TR 2SC2412K T146 S
				405 015 8704	TR 2SC2812-L6-TB
				405 015 8902	TR 2SC2812-L7-TB
				405 163 1602	TR 2SC2812N-L6-TB0
				405 163 1701	TR 2SC2812N-L7-TB0
				405 173 9803	TR 2SC3928A1R
				405 173 9902	TR 2SC3928A1S
				405 014 4509	TR 2SC2412K T146 R
				405 014 4608	TR 2SC2412K T146 S
				405 015 8704	TR 2SC2812-L6-TB
				405 015 8902	TR 2SC2812-L7-TB
				405 163 1602	TR 2SC2812N-L6-TB0
				405 163 1701	TR 2SC2812N-L7-TB0
				405 173 9803	TR 2SC3928A1R
				405 173 9902	TR 2SC3928A1S
				405 014 4509	TR 2SC2412K T146 R
				405 014 4608	TR 2SC2412K T146 S
				405 015 8704	TR 2SC2812-L6-TB
				405 015 8902	TR 2SC2812-L7-TB
				405 163 1602	TR 2SC2812N-L6-TB0
				405 163 1701	TR 2SC2812N-L7-TB0
				405 173 9803	TR 2SC3928A1R
				405 173 9902	TR 2SC3928A1S
				405 014 4509	TR 2SC2412K T146 R
				405 014 4608	TR 2SC2412K T146 S
				405 015 8704	TR 2SC2812-L6-TB
				405 015 8902	TR 2SC2812-L7-TB
				405 163 1602	TR 2SC2812N-L6-TB0
				405 163 1701	TR 2SC2812N-L7-TB0
				405 173 9803	TR 2SC3928A1R
				405 173 9902	TR 2SC3928A1S
				405 014 4509	TR 2SC2412K T146 R
				405 014 4608	TR 2SC2412K T146 S
				405 015 8704	TR 2SC2812-L6-TB

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
IC9001	409 438 5500	IC TC4052BFT	C9072	403 164 0204	CERAMIC 0.1U Z 25V
IC9002	409 438 5500	IC TC4052BFT	C9073	403 164 0204	CERAMIC 0.1U Z 25V
IC9003	409 416 6406	IC BA033FP-E2	C9075	403 322 1807	ELECT 47U M 16V
	409 410 1001	IC UPC2933T-E1	C9076	403 322 1807	ELECT 47U M 16V
IC9005	409 153 5601	IC MC74F244M	C9077	403 164 0204	CERAMIC 0.1U Z 25V
	409 451 4108	IC SN74F244NSR	C9082	403 345 6605	CERAMIC 1U M 10V
IC9006	409 462 6009	IC AD8185ARU	C9083	403 175 4505	ELECT 47U M 6.3V
IC9007	409 462 6009	IC AD8185ARU	C9084	403 164 0204	CERAMIC 0.1U Z 25V
IC9013	409 438 5500	IC TC4052BFT	C9085	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
IC9014	409 445 7306	IC QS3125QX	C9086	403 164 0204	CERAMIC 0.1U Z 25V
IC9016	409 489 5009	IC TC74VCX04FT	C9087	403 113 3805	CERAMIC 1000P K 50V
IC9017	409 522 7502	IC TC7SA08FU	C9088	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
IC9021	409 404 6302	IC M62320FP	C9089	403 164 0204	CERAMIC 0.1U Z 25V
IC9022	409 404 6302	IC M62320FP	C9090	403 113 3805	CERAMIC 1000P K 50V
IC9031	410 464 9707	IC 74VCX162374MTDX	C9091	403 317 4509	ELECT 100U M 6.3V
IC9032	410 464 9707	IC 74VCX162374MTDX	C9092	403 164 0204	CERAMIC 0.1U Z 25V
IC9033	410 464 9707	IC 74VCX162374MTDX	C9093	403 317 4509	ELECT 100U M 6.3V
IC9041	410 466 0504	IC TC74VCX2374FT	C9094	403 164 0204	CERAMIC 0.1U Z 25V
IC9091	409 416 6505	IC BA05FP-E2	C9095	403 317 4509	ELECT 100U M 6.3V
IC9092	409 416 6505	IC BA05FP-E2	C9096	403 164 0204	CERAMIC 0.1U Z 25V
IC9093	409 416 6505	IC BA05FP-E2	C9099	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
IC9096	409 461 7809	IC PQ20WZ11	C9100	403 164 0204	CERAMIC 0.1U Z 25V
IC9097	409 461 7809	IC PQ20WZ11	C9101	403 113 3805	CERAMIC 1000P K 50V
IC9098	409 461 7809	IC PQ20WZ11	C9102	403 164 0204	CERAMIC 0.1U Z 25V
CAPACITOR			C9103	403 280 0508	ELECT 470U M 4V
C9002	403 164 0204	CERAMIC 0.1U Z 25V	RESISTOR		
C9003	403 229 3508	ELECT 100U M 16V	R9001	401 105 0405	MT-GLAZE 100 JA 1/16W
C9004	403 164 0204	CERAMIC 0.1U Z 25V	R9002	401 105 0405	MT-GLAZE 100 JA 1/16W
C9005	403 205 7803	TA-SOLID 2.2U M 16V	R9003	401 105 0405	MT-GLAZE 100 JA 1/16W
C9006	403 205 7803	TA-SOLID 2.2U M 16V	R9004	401 105 0405	MT-GLAZE 100 JA 1/16W
C9008	403 205 7803	TA-SOLID 2.2U M 16V	R9005	401 105 0405	MT-GLAZE 100 JA 1/16W
C9009	403 205 7803	TA-SOLID 2.2U M 16V	R9006	401 105 0405	MT-GLAZE 100 JA 1/16W
C9010	403 164 0204	CERAMIC 0.1U Z 25V	R9007	401 105 0405	MT-GLAZE 100 JA 1/16W
C9011	403 205 7803	TA-SOLID 2.2U M 16V	R9008	401 105 0405	MT-GLAZE 100 JA 1/16W
C9012	403 205 7803	TA-SOLID 2.2U M 16V	R9009	401 105 0405	MT-GLAZE 100 JA 1/16W
C9014	403 175 4505	ELECT 47U M 6.3V	R9010	401 105 0306	MT-GLAZE 10 JA 1/16W
C9015	403 164 0204	CERAMIC 0.1U Z 25V	R9011	401 105 0405	MT-GLAZE 100 JA 1/16W
C9016	403 175 4505	ELECT 47U M 6.3V	R9012	401 105 0603	MT-GLAZE 10K JA 1/16W
C9017	403 164 0204	CERAMIC 0.1U Z 25V	R9013	401 105 0603	MT-GLAZE 10K JA 1/16W
C9018	403 175 4505	ELECT 47U M 6.3V	R9015	401 105 0603	MT-GLAZE 10K JA 1/16W
C9019	403 164 0204	CERAMIC 0.1U Z 25V	R9017	401 105 0603	MT-GLAZE 10K JA 1/16W
C9020	403 280 0607	ELECT 220U M 6.3V	R9018	401 105 0603	MT-GLAZE 10K JA 1/16W
C9021	403 164 0204	CERAMIC 0.1U Z 25V	R9019	401 105 0603	MT-GLAZE 10K JA 1/16W
C9022	403 164 0204	CERAMIC 0.1U Z 25V	R9020	401 105 0603	MT-GLAZE 10K JA 1/16W
C9023	403 149 9208	CERAMIC 0.01U Z 50V	R9021	401 105 0603	MT-GLAZE 10K JA 1/16W
C9024	403 149 9208	CERAMIC 0.01U Z 50V	R9022	401 105 2805	MT-GLAZE 2.2K JA 1/16W
C9025	403 149 9208	CERAMIC 0.01U Z 50V	R9023	401 105 2805	MT-GLAZE 2.2K JA 1/16W
C9026	403 164 0204	CERAMIC 0.1U Z 25V	R9024	401 105 0603	MT-GLAZE 10K JA 1/16W
C9027	403 164 0204	CERAMIC 0.1U Z 25V	R9025	401 105 2805	MT-GLAZE 2.2K JA 1/16W
C9028	403 175 4505	ELECT 47U M 6.3V	R9026	401 105 2805	MT-GLAZE 2.2K JA 1/16W
C9029	403 149 9208	CERAMIC 0.01U Z 50V	R9027	401 105 0405	MT-GLAZE 100 JA 1/16W
C9030	403 280 0607	ELECT 220U M 6.3V	R9028	401 105 0702	MT-GLAZE 100K JA 1/16W
C9031	403 149 9208	CERAMIC 0.01U Z 50V	R9029	401 105 0405	MT-GLAZE 100 JA 1/16W
C9033	403 149 9208	CERAMIC 0.01U Z 50V	R9030	401 105 0603	MT-GLAZE 10K JA 1/16W
C9034	403 175 4505	ELECT 47U M 6.3V	R9031	401 105 0702	MT-GLAZE 100K JA 1/16W
C9035	403 164 0204	CERAMIC 0.1U Z 25V	R9033	401 105 0702	MT-GLAZE 100K JA 1/16W
C9036	403 164 0204	CERAMIC 0.1U Z 25V	R9034	401 105 0405	MT-GLAZE 100 JA 1/16W
C9037	403 164 0204	CERAMIC 0.1U Z 25V	R9035	401 105 0702	MT-GLAZE 100K JA 1/16W
C9038	403 149 9208	CERAMIC 0.01U Z 50V	R9036	401 105 0702	MT-GLAZE 100K JA 1/16W
C9039	403 149 9208	CERAMIC 0.01U Z 50V	R9037	401 105 0405	MT-GLAZE 100 JA 1/16W
C9040	403 175 0606	ELECT 100U M 6.3V	R9038	401 105 0702	MT-GLAZE 100K JA 1/16W
C9041	403 149 9208	CERAMIC 0.01U Z 50V	R9039	401 105 0405	MT-GLAZE 100 JA 1/16W
C9042	403 164 0204	CERAMIC 0.1U Z 25V	R9040	401 105 0603	MT-GLAZE 10K JA 1/16W
C9043	403 164 0204	CERAMIC 0.1U Z 25V	R9041	401 105 0702	MT-GLAZE 100K JA 1/16W
C9044	403 175 4505	ELECT 47U M 6.3V	R9042	401 105 0405	MT-GLAZE 100 JA 1/16W
C9045	403 149 9208	CERAMIC 0.01U Z 50V	R9043	401 105 0702	MT-GLAZE 100K JA 1/16W
C9046	403 149 9208	CERAMIC 0.01U Z 50V	R9047	401 105 0603	MT-GLAZE 10K JA 1/16W
C9048	403 149 9208	CERAMIC 0.01U Z 50V	R9048	401 105 0603	MT-GLAZE 10K JA 1/16W
C9049	403 175 4505	ELECT 47U M 6.3V	R9049	401 105 0603	MT-GLAZE 10K JA 1/16W
C9050	403 280 0607	ELECT 220U M 6.3V	R9050	401 105 0603	MT-GLAZE 10K JA 1/16W
C9051	403 164 0204	CERAMIC 0.1U Z 25V	R9051	401 105 0603	MT-GLAZE 10K JA 1/16W
C9057	403 343 4900	ELECT 470U M 25V	R9052	401 105 0702	MT-GLAZE 100K JA 1/16W
C9059	403 343 4900	ELECT 470U M 25V	R9053	401 105 0405	MT-GLAZE 100 JA 1/16W
C9061	403 343 4900	ELECT 470U M 25V	R9054	401 105 0702	MT-GLAZE 100K JA 1/16W
C9062	403 343 4900	ELECT 470U M 25V	R9055	401 105 0405	MT-GLAZE 100 JA 1/16W
C9064	403 343 4900	ELECT 470U M 25V	R9056	401 105 0702	MT-GLAZE 100K JA 1/16W
C9065	403 343 4900	ELECT 470U M 25V	R9057	401 105 0405	MT-GLAZE 100 JA 1/16W
C9066	403 175 4505	ELECT 47U M 6.3V	R9058	401 105 0702	MT-GLAZE 100K JA 1/16W
C9067	403 164 0204	CERAMIC 0.1U Z 25V	R9063	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
C9068	403 322 1807	ELECT 47U M 16V	R9064	401 105 0405	MT-GLAZE 100 JA 1/16W
C9069	403 164 0204	CERAMIC 0.1U Z 25V	R9065	401 105 0405	MT-GLAZE 100 JA 1/16W
C9070	403 164 0204	CERAMIC 0.1U Z 25V	R9066	401 105 0603	MT-GLAZE 10K JA 1/16W
C9071	403 164 0204	CERAMIC 0.1U Z 25V	R9067	401 105 0603	MT-GLAZE 10K JA 1/16W

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description		
R9068	401 105 0603	MT-GLAZE	10K JA 1/16W	R9503	401 105 5301	MT-GLAZE	4.7K JA 1/16W
R9069	401 105 0603	MT-GLAZE	10K JA 1/16W	R9504	401 105 0603	MT-GLAZE	10K JA 1/16W
R9071	401 105 0603	MT-GLAZE	10K JA 1/16W	R9505	401 105 5301	MT-GLAZE	4.7K JA 1/16W
R9072	401 105 0603	MT-GLAZE	10K JA 1/16W	R9506	401 105 5301	MT-GLAZE	4.7K JA 1/16W
R9074	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R9507	401 105 0405	MT-GLAZE	100 JA 1/16W
R9075	401 105 2805	MT-GLAZE	2.2K JA 1/16W	R9508	401 105 5301	MT-GLAZE	4.7K JA 1/16W
R9076	401 113 5706	MT-GLAZE	910 JA 1/16W	R9509	401 105 5301	MT-GLAZE	4.7K JA 1/16W
R9077	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R9510	401 105 5301	MT-GLAZE	4.7K JA 1/16W
R9078	401 105 2805	MT-GLAZE	2.2K JA 1/16W	R9511	401 105 0603	MT-GLAZE	10K JA 1/16W
R9079	401 113 5706	MT-GLAZE	910 JA 1/16W	R9512	401 105 0603	MT-GLAZE	10K JA 1/16W
R9081	401 113 4402	MT-GLAZE	75 JA 1/16W	R9513	401 105 0603	MT-GLAZE	10K JA 1/16W
R9082	401 105 4403	MT-GLAZE	39 JA 1/16W	R9514	401 105 0306	MT-GLAZE	10 JA 1/16W
R9083	401 113 4402	MT-GLAZE	75 JA 1/16W	R9515	401 105 0405	MT-GLAZE	100 JA 1/16W
R9084	401 105 4403	MT-GLAZE	39 JA 1/16W	R9516	401 105 0405	MT-GLAZE	100 JA 1/16W
R9085	401 113 4402	MT-GLAZE	75 JA 1/16W	R9517	401 105 0405	MT-GLAZE	100 JA 1/16W
R9086	401 105 4403	MT-GLAZE	39 JA 1/16W	R9518	401 105 0405	MT-GLAZE	100 JA 1/16W
R9087	401 113 4402	MT-GLAZE	75 JA 1/16W	R9519	401 105 0405	MT-GLAZE	100 JA 1/16W
R9088	401 105 4403	MT-GLAZE	39 JA 1/16W	R9520	401 105 5301	MT-GLAZE	4.7K JA 1/16W
R9089	401 113 4402	MT-GLAZE	75 JA 1/16W	R9521	401 105 0405	MT-GLAZE	100 JA 1/16W
R9091	401 105 4403	MT-GLAZE	39 JA 1/16W	R9522	401 105 0405	MT-GLAZE	100 JA 1/16W
R9092	401 113 4402	MT-GLAZE	75 JA 1/16W	R9523	401 105 0603	MT-GLAZE	10K JA 1/16W
R9093	401 105 4403	MT-GLAZE	39 JA 1/16W	R9524	401 105 5301	MT-GLAZE	4.7K JA 1/16W
R9094	401 105 1808	MT-GLAZE	18 JA 1/16W	R9525	401 105 5301	MT-GLAZE	4.7K JA 1/16W
R9095	401 105 1808	MT-GLAZE	18 JA 1/16W	R9528	401 105 5301	MT-GLAZE	4.7K JA 1/16W
R9096	401 105 4403	MT-GLAZE	39 JA 1/16W	R9529	401 105 7909	MT-GLAZE	0.000 ZA 1/16W
R9097	401 105 1808	MT-GLAZE	18 JA 1/16W	R9530	401 105 7909	MT-GLAZE	0.000 ZA 1/16W
R9098	401 105 1808	MT-GLAZE	18 JA 1/16W	R9531	401 105 7909	MT-GLAZE	0.000 ZA 1/16W
R9099	401 105 4403	MT-GLAZE	39 JA 1/16W	R9532	401 105 7909	MT-GLAZE	0.000 ZA 1/16W
R9101	401 105 1808	MT-GLAZE	18 JA 1/16W	R9533	401 105 7909	MT-GLAZE	0.000 ZA 1/16W
R9102	401 105 1808	MT-GLAZE	18 JA 1/16W	R9535	401 105 7909	MT-GLAZE	0.000 ZA 1/16W
R9103	401 105 1808	MT-GLAZE	18 JA 1/16W	DIODE			
R9104	401 105 4403	MT-GLAZE	39 JA 1/16W	D9004	407 190 4106	DIODE SFPL-52V	
R9105	401 105 2805	MT-GLAZE	2.2K JA 1/16W	D9011	407 221 7106	ZENER DIODE UDZS-TE-1712B	
R9107	401 105 2805	MT-GLAZE	2.2K JA 1/16W	D9013	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3	
R9108	401 105 0306	MT-GLAZE	10 JA 1/16W	D9014	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3	
R9111	401 113 4402	MT-GLAZE	75 JA 1/16W	D9021	407 190 4106	DIODE SFPL-52V	
R9112	401 105 4403	MT-GLAZE	39 JA 1/16W	MISCELLANEOUS			
R9113	401 113 4402	MT-GLAZE	75 JA 1/16W	K90A	645 040 6775	SOCKET,PWB 40P	
R9114	401 105 4403	MT-GLAZE	39 JA 1/16W	K90B	645 040 6775	SOCKET,PWB 40P	
R9115	401 113 4402	MT-GLAZE	75 JA 1/16W	K90C	645 041 6064	PLUG,I/O 176P	
R9116	401 105 4403	MT-GLAZE	39 JA 1/16W	K90C1	610 289 9788	JOINT GUIDE PIN ML6A	
R9117	401 113 4402	MT-GLAZE	75 JA 1/16W	K90C2	610 289 9788	JOINT GUIDE PIN ML6A	
R9118	401 105 4403	MT-GLAZE	39 JA 1/16W	K90D	645 041 6064	PLUG,I/O 176P	
R9119	401 113 4402	MT-GLAZE	75 JA 1/16W	K90D1	610 289 9788	JOINT GUIDE PIN ML6A	
R9121	401 105 4403	MT-GLAZE	39 JA 1/16W	K90D2	610 289 9788	JOINT GUIDE PIN ML6A	
R9122	401 113 4402	MT-GLAZE	75 JA 1/16W	K90E	645 041 6064	PLUG,I/O 176P	
R9123	401 105 4403	MT-GLAZE	39 JA 1/16W	K90E1	610 289 9788	JOINT GUIDE PIN ML6A	
R9124	401 105 1808	MT-GLAZE	18 JA 1/16W	K90E2	610 289 9788	JOINT GUIDE PIN ML6A	
R9125	401 105 1808	MT-GLAZE	18 JA 1/16W	K90G	645 038 1645	PLUG,SIDE-ZR-SM3 12P	
R9126	401 105 4403	MT-GLAZE	39 JA 1/16W	K90K	645 009 8390	PLUG,ANT 2P	
R9127	401 105 1808	MT-GLAZE	18 JA 1/16W	K90L	645 009 8390	PLUG,ANT 2P	
R9128	401 105 1808	MT-GLAZE	18 JA 1/16W	K90M	645 009 8390	PLUG,ANT 2P	
R9129	401 105 4403	MT-GLAZE	39 JA 1/16W	K90N	645 036 1326	TERMINAL	
R9131	401 105 1808	MT-GLAZE	18 JA 1/16W	K90P	645 036 1326	TERMINAL	
R9132	401 105 1808	MT-GLAZE	18 JA 1/16W	K90Q	645 041 8136	PLUG,40P	
R9133	401 105 1808	MT-GLAZE	18 JA 1/16W	K90R	645 012 2248	PLUG,4P	
R9134	401 105 4403	MT-GLAZE	39 JA 1/16W				
R9135	401 105 2805	MT-GLAZE	2.2K JA 1/16W				
R9137	401 105 0603	MT-GLAZE	10K JA 1/16W				
R9138	401 105 0603	MT-GLAZE	10K JA 1/16W				
R9139	401 105 0306	MT-GLAZE	10 JA 1/16W				
R9141	401 105 0603	MT-GLAZE	10K JA 1/16W				
R9151	401 105 1402	MT-GLAZE	150 JA 1/16W				
R9152	401 105 0405	MT-GLAZE	100 JA 1/16W				
R9161	401 105 7909	MT-GLAZE	0.000 ZA 1/16W				
R9162	401 105 2805	MT-GLAZE	2.2K JA 1/16W				
R9163	401 113 5706	MT-GLAZE	910 JA 1/16W				
R9171	401 105 0405	MT-GLAZE	100 JA 1/16W				
R9172	401 105 0405	MT-GLAZE	100 JA 1/16W				
R9174	401 105 0405	MT-GLAZE	100 JA 1/16W				
R9175	401 105 0405	MT-GLAZE	100 JA 1/16W				
R9176	401 105 0405	MT-GLAZE	100 JA 1/16W				
R9177	401 105 0405	MT-GLAZE	100 JA 1/16W				
R9183	401 105 0603	MT-GLAZE	10K JA 1/16W				
R9184	401 105 0603	MT-GLAZE	10K JA 1/16W				
R9185	401 105 0603	MT-GLAZE	10K JA 1/16W				
R9186	401 105 0603	MT-GLAZE	10K JA 1/16W				
R9187	401 105 0603	MT-GLAZE	10K JA 1/16W				
R9188	401 105 0603	MT-GLAZE	10K JA 1/16W				
R9189	401 105 0603	MT-GLAZE	10K JA 1/16W				
R9191	401 105 0603	MT-GLAZE	10K JA 1/16W				
R9501	401 105 0603	MT-GLAZE	10K JA 1/16W				
R9502	401 105 5301	MT-GLAZE	4.7K JA 1/16W				

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
	405 163 1602	TR 2SC2812N-L6-TB0	R1613	401 105 0504	MT-GLAZE 1K JA 1/16W
	405 163 1701	TR 2SC2812N-L7-TB0	R1614	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
	405 173 9803	TR 2SC3928AIR	R1631	401 105 4106	MT-GLAZE 3.3K JA 1/16W
	405 173 9902	TR 2SC3928A1S	R1632	401 105 4106	MT-GLAZE 3.3K JA 1/16W
Q005	405 014 4509	TR 2SC2412K T146 R	R1633	401 105 0504	MT-GLAZE 1K JA 1/16W
	405 014 4608	TR 2SC2412K T146 S	R1634	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
	405 015 8704	TR 2SC2812-L6-TB	COIL		
	405 015 8902	TR 2SC2812-L7-TB	L002	645 026 1008	INDUCTOR, 3.3U M
	405 163 1602	TR 2SC2812N-L6-TB0	DIODE		
	405 163 1701	TR 2SC2812N-L7-TB0	D001	407 149 0807	DIODE 1SS355-TE-17
	405 173 9803	TR 2SC3928AIR	D002	407 223 1003	ZENER DIODE 02DZ5.1Y(TPH3)
	405 173 9902	TR 2SC3928A1S	D1601	407 223 1003	ZENER DIODE 02DZ5.1Y(TPH3)
			D1602	407 149 0807	DIODE 1SS355-TE-17
			D1603	407 149 0807	DIODE 1SS355-TE-17
INTEGRATED CIRCUIT					
IC001	409 017 7208	IC LA4261	D1611	407 223 1003	ZENER DIODE 02DZ5.1Y(TPH3)
IC1601	409 114 4803	IC LB1641	D1612	407 149 0807	DIODE 1SS355-TE-17
IC1611	409 114 4803	IC LB1641	D1613	407 149 0807	DIODE 1SS355-TE-17
IC1631	409 085 1900	IC LB1645N	D1631	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
CAPACITOR					
C001	403 280 1802	ELECT 100U M 25V	D1632	407 149 0807	DIODE 1SS355-TE-17
C003	403 215 2201	CERAMIC 0.01U K 50V	D1633	407 149 0807	DIODE 1SS355-TE-17
C004	403 280 1802	ELECT 100U M 25V	MISCELLANEOUS		
C006	403 215 2201	CERAMIC 0.01U K 50V	K16A	645 041 8136	PLUG, 40P
C007	403 280 1802	ELECT 100U M 25V	K16B	645 029 6314	PLUG, 3P
C008	403 162 6604	ELECT 2.2U M 50V	K16C	645 004 2904	PLUG, 4P
C009	403 298 9609	CERAMIC 0.1U K 16V	K16D	645 004 2898	PLUG, 3P
C010	403 298 9609	CERAMIC 0.1U K 16V	K16E	645 029 6321	PLUG, 4P
C011	403 343 4900	ELECT 470U M 25V	K16F	645 043 3719	PLUG, 3P
C012	403 298 9609	CERAMIC 0.1U K 16V	K16H	645 029 6345	PLUG, 6P
C013	403 343 4900	ELECT 470U M 25V			
C014	403 343 4900	ELECT 470U M 25V			
C015	403 266 8801	NP-ELECT 2.2U M 50V			
C016	403 266 8801	NP-ELECT 2.2U M 50V			
C017	403 280 1802	ELECT 100U M 25V			
C018	403 343 4900	ELECT 470U M 25V			
C019	403 343 4900	ELECT 470U M 25V			
C021	403 343 4900	ELECT 470U M 25V			
C026	403 343 4900	ELECT 470U M 25V			
C1602	403 215 2201	CERAMIC 0.01U K 50V			
C1603	403 215 2201	CERAMIC 0.01U K 50V			
C1612	403 215 2201	CERAMIC 0.01U K 50V			
C1613	403 215 2201	CERAMIC 0.01U K 50V			
C1631	403 343 4900	ELECT 470U M 25V			
C1632	403 215 2201	CERAMIC 0.01U K 50V			
C1633	403 343 4900	ELECT 470U M 25V			
C1642	403 215 2201	CERAMIC 0.01U K 50V			
C1643	403 281 5205	CERAMIC 0.22U Z 16V			
C1653	403 343 4900	ELECT 470U M 25V			
C1654	403 215 2201	CERAMIC 0.01U K 50V			
C1656	403 343 4900	ELECT 470U M 25V			
C1893	403 164 0204	CERAMIC 0.1U Z 25V			
C1894	403 164 0204	CERAMIC 0.1U Z 25V			
C1895	403 164 0204	CERAMIC 0.1U Z 25V			
RESISTOR					
R001	401 105 3208	MT-GLAZE 270 JA 1/16W	R6801	401 105 2904	MT-GLAZE 22K JA 1/16W
R002	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R6802	401 105 1600	MT-GLAZE 15K JA 1/16W
R003	401 105 2102	MT-GLAZE 18K JA 1/16W	R6803	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R004	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R6804	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R005	401 105 2102	MT-GLAZE 18K JA 1/16W	R6806	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R006	401 105 3208	MT-GLAZE 270 JA 1/16W	R6807	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R007	401 105 2706	MT-GLAZE 220 JA 1/16W	R6808	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R008	401 105 0603	MT-GLAZE 10K JA 1/16W	R6809	401 105 5202	MT-GLAZE 470 JA 1/16W
R009	401 105 4205	MT-GLAZE 33K JA 1/16W	R6812	401 105 2904	MT-GLAZE 22K JA 1/16W
R011	401 148 6006	MT-GLAZE 2.2 JA 1/16W	R6813	401 105 1600	MT-GLAZE 15K JA 1/16W
R012	401 105 5905	MT-GLAZE 560 JA 1/16W	R6814	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R013	401 148 6006	MT-GLAZE 2.2 JA 1/16W	R6816	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R014	401 105 5905	MT-GLAZE 560 JA 1/16W	R6817	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R016	401 105 0504	MT-GLAZE 1K JA 1/16W	R6818	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R017	401 105 6001	MT-GLAZE 5.6K JA 1/16W	R6819	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R018	401 105 0603	MT-GLAZE 10K JA 1/16W	R6821	401 105 5202	MT-GLAZE 470 JA 1/16W
R021	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6823	401 105 2904	MT-GLAZE 22K JA 1/16W
R022	401 105 6001	MT-GLAZE 5.6K JA 1/16W	R6824	401 105 1600	MT-GLAZE 15K JA 1/16W
R023	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6826	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R024	401 105 6001	MT-GLAZE 5.6K JA 1/16W	R6827	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R028	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6828	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R031	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6829	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R035	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6831	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R036	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R6832	401 105 5202	MT-GLAZE 470 JA 1/16W
R1601	401 105 4106	MT-GLAZE 3.3K JA 1/16W	DIODE		
R1602	401 105 4106	MT-GLAZE 3.3K JA 1/16W	D6801	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
R1603	401 105 0504	MT-GLAZE 1K JA 1/16W	D6802	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
R1604	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	D6803	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
R1611	401 105 4106	MT-GLAZE 3.3K JA 1/16W	D6804	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
R1612	401 105 4106	MT-GLAZE 3.3K JA 1/16W	MISCELLANEOUS		
			K96A	645 046 8254	PLUG, 30P
			K96B	645 005 8387	PLUG, 6P
			K96U	645 012 2248	PLUG, 4P
			SW6801	645 025 3478	SWITCH, PUSH 1P-2TX1
			SW6802	645 025 3478	SWITCH, PUSH 1P-2TX1
			SW6803	645 025 3478	SWITCH, PUSH 1P-2TX1
			SW6804	645 025 3478	SWITCH, PUSH 1P-2TX1
			SW6806	645 025 3478	SWITCH, PUSH 1P-2TX1
			SW6807	645 025 3478	SWITCH, PUSH 1P-2TX1
			SW6809	645 025 3478	SWITCH, PUSH 1P-2TX1
			SW6811	645 025 3478	SWITCH, PUSH 1P-2TX1
			SW6812	645 025 3478	SWITCH, PUSH 1P-2TX1
			SW6813	645 025 3478	SWITCH, PUSH 1P-2TX1
			SW6814	645 025 3478	SWITCH, PUSH 1P-2TX1
			SW6816	645 025 3478	SWITCH, PUSH 1P-2TX1

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
SW6817	645 025 3478	SWITCH, PUSH 1P-2TX1	L3858	645 014 2659	FILTER, EMI 10MHZ
SW6819	645 025 3478	SWITCH, PUSH 1P-2TX1	L3859	645 014 2659	FILTER, EMI 10MHZ
SW6821	645 025 3478	SWITCH, PUSH 1P-2TX1	DIODE		
SW6822	645 025 3478	SWITCH, PUSH 1P-2TX1	D3851	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
SW6824	645 025 3478	SWITCH, PUSH 1P-2TX1	D3852	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
SW6825	645 025 3478	SWITCH, PUSH 1P-2TX1	D3853	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
*****			D3854	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
■ Assembly PWB RS232C			D3855	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
610 300 9285 ASSY, PWB, RS232C MY8A			D3856	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
TRANSISTOR			D3857	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
Q3851	405 014 4509	TR 2SC2412K T146 R	D3858	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
	405 014 4608	TR 2SC2412K T146 S	D3859	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
	405 015 8704	TR 2SC2812-L6-TB	D3860	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
	405 015 8902	TR 2SC2812-L7-TB	D3861	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
	405 163 1602	TR 2SC2812N-L6-TB0	D3862	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
	405 163 1701	TR 2SC2812N-L7-TB0	D3863	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
	405 173 9803	TR 2SC3928A1R	D3864	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
	405 173 9902	TR 2SC3928A1S	D3865	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
INTEGRATED CIRCUIT			D3866	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
IC3801	409 380 6303	IC HIN232CB	D3867	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
	409 273 3501	IC SP232ACT	D3868	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
IC3803	409 380 6303	IC HIN232CB	D3869	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
	409 273 3501	IC SP232ACT	D3870	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
IC3804	409 438 5609	IC TC74ACT08FT	D3871	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
CAPACITOR			D3872	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
C3851	403 162 6208	ELECT 1U M 50V	D3873	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
C3852	403 162 6208	ELECT 1U M 50V	D3874	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
C3853	403 162 6208	ELECT 1U M 50V	D3875	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
C3854	403 162 6208	ELECT 1U M 50V	D3876	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
C3855	403 283 6309	CERAMIC 1U Z 10V	D3877	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
C3856	403 175 4505	ELECT 47U M 6.3V	D3878	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
C3857	403 162 4709	ELECT 10U M 16V	D3879	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
C3858	403 162 4709	ELECT 10U M 16V	D3880	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
C3859	403 162 6208	ELECT 1U M 50V	D3881	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
C3861	403 162 6208	ELECT 1U M 50V	D3882	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
C3862	403 162 6208	ELECT 1U M 50V	D3883	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
C3863	403 162 6208	ELECT 1U M 50V	D3884	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
C3864	403 175 4505	ELECT 47U M 6.3V	D3885	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
C3865	403 283 6309	CERAMIC 1U Z 10V	D3886	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)
C3866	403 175 4505	ELECT 47U M 6.3V	D3887	407 149 0807	DIODE 1SS355-TE-17
C3867	403 283 6309	CERAMIC 1U Z 10V	MISCELLANEOUS		
RESISTOR			IC3802	408 016 8803	PC PC113 (VDE0884)
R3851	401 105 0405	MT-GLAZE 100 JA 1/16W	K38A	645 027 8778	PLUG, D-SUB 9P
R3852	401 105 0405	MT-GLAZE 100 JA 1/16W	K38B	645 027 8778	PLUG, D-SUB 9P
R3855	401 105 0405	MT-GLAZE 100 JA 1/16W	K38C	645 028 0382	SOCKET, USB 4P
R3856	401 105 0603	MT-GLAZE 10K JA 1/16W	K38D	645 000 2571	JACK, PHONE D8.0
R3857	401 105 4007	MT-GLAZE 330 JA 1/16W	K38DA	610 266 0715	EARTH BRKT MIC-M6FA
R3858	401 105 0405	MT-GLAZE 100 JA 1/16W	K38E	645 044 8263	JACK, RCA-2
R3859	401 105 0405	MT-GLAZE 100 JA 1/16W	K38EA	610 260 2203	SHIELD PLATE-E-M6DA
R3861	401 105 5509	MT-GLAZE 470K JA 1/16W	K38F	645 038 1645	PLUG, SIDE-ZR-SM3 12P
R3862	401 105 5509	MT-GLAZE 470K JA 1/16W	K38G	645 036 1326	TERMINAL
R3863	401 105 0405	MT-GLAZE 100 JA 1/16W	K38H	645 012 2248	PLUG, 4P
R3864	401 105 0405	MT-GLAZE 100 JA 1/16W	SW3801	610 011 1790	SWITCH, PUSH

■ Assembly PWB LED					
610 300 9292 ASSY, PWB, LED MY8A					
TRANSISTOR			TRANSISTOR		
Q6851	405 134 5905	TR 2SA1037AK-T146-R	Q6851	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146		405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R		405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S		405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB		405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB		405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB		405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB		405 163 2708	TR 2SA1179N-M7-TB
	405 173 9605	TR 2SA1235A1E		405 173 9605	TR 2SA1235A1E
	405 173 9704	TR 2SA1235A1F		405 173 9704	TR 2SA1235A1F
	405 134 5905	TR 2SA1037AK-T146-R	Q6852	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146		405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R		405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S		405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB		405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB		405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB		405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB		405 163 2708	TR 2SA1179N-M7-TB
	405 173 9605	TR 2SA1235A1E		405 173 9605	TR 2SA1235A1E
	405 173 9704	TR 2SA1235A1F	Q6853	405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146		405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R		405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S		405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB		405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB		405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB		405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB		405 163 2708	TR 2SA1179N-M7-TB
	405 173 9605	TR 2SA1235A1F		405 173 9605	TR 2SA1235A1F
	405 173 9704	TR 2SA1235A1F		405 173 9704	TR 2SA1235A1F
	405 134 5905	TR 2SA1037AK-T146-R		405 134 5905	TR 2SA1037AK-T146-R
	405 147 2205	TR 2SA1037AK-S-T146		405 147 2205	TR 2SA1037AK-S-T146
	405 002 0308	TR 2SA1037K T146 R		405 002 0308	TR 2SA1037K T146 R
	405 002 0407	TR 2SA1037K T146 S		405 002 0407	TR 2SA1037K T146 S
	405 002 6706	TR 2SA1179-M6-TB		405 002 6706	TR 2SA1179-M6-TB
	405 002 6904	TR 2SA1179-M7-TB		405 002 6904	TR 2SA1179-M7-TB
	405 163 1503	TR 2SA1179N-M6-TB		405 163 1503	TR 2SA1179N-M6-TB
	405 163 2708	TR 2SA1179N-M7-TB		405 163 2708	TR 2SA1179N-M7-TB
	405 173 9605	TR 2SA1235A1E		405 173 9605	TR 2SA1235A1E
	405 173 9704	TR 2SA1235A1F		405 173 9704	TR 2SA1235A1F

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
Q6854	405 173 9704	TR 2SA1235A1F	CAPACITOR	C5801	403 164 0204 CERAMIC
	405 134 5905	TR 2SA1037AK-T146-R		C5802	403 162 4709 ELECT
	405 147 2205	TR 2SA1037AK-S-T146	RESISTOR	R5802	401 105 7909 MT-GLAZE
	405 002 0308	TR 2SA1037K T146 R		R5803	401 105 0603 MT-GLAZE
	405 002 0407	TR 2SA1037K T146 S		R5805	401 105 0603 MT-GLAZE
	405 002 6706	TR 2SA1179-M6-TB		R5807	401 105 0405 MT-GLAZE
	405 002 6904	TR 2SA1179-M7-TB		R5808	401 105 0405 MT-GLAZE
	405 163 1503	TR 2SA1179N-M6-TB	MISCELLANEOUS	K58A	645 012 2248 PLUG, 4P
	405 163 2708	TR 2SA1179N-M7-TB			
	405 173 9605	TR 2SA1235A1E			
	405 173 9704	TR 2SA1235A1F			
RESISTOR					
R6851	401 105 5202	MT-GLAZE	470 JA 1/16W		
R6852	401 105 5202	MT-GLAZE	470 JA 1/16W		
R6853	401 105 5202	MT-GLAZE	470 JA 1/16W		
R6854	401 105 5202	MT-GLAZE	470 JA 1/16W		
R6855	401 105 5202	MT-GLAZE	470 JA 1/16W		
R6856	401 105 5202	MT-GLAZE	470 JA 1/16W		
R6857	401 105 5202	MT-GLAZE	470 JA 1/16W		
R6858	401 105 5202	MT-GLAZE	470 JA 1/16W		
R6861	401 105 0405	MT-GLAZE	100 JA 1/16W		
R6862	401 105 2805	MT-GLAZE	2.2K JA 1/16W		
R6863	401 105 0405	MT-GLAZE	100 JA 1/16W		
R6864	401 105 2805	MT-GLAZE	2.2K JA 1/16W		
R6865	401 105 0405	MT-GLAZE	100 JA 1/16W		
R6866	401 105 2805	MT-GLAZE	2.2K JA 1/16W		
R6867	401 105 0405	MT-GLAZE	100 JA 1/16W		
R6868	401 105 2805	MT-GLAZE	2.2K JA 1/16W		
DIODE					
D6851	407 196 9907	LED SEL4828A			
D6851A	610 290 9340	HOLDER LED A-MV6A			
D6852	407 196 9709	LED SEL4228C			
D6853	407 196 9808	LED SEL4428E			
D6854	407 196 9709	LED SEL4228C			
D6855	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)			
D6856	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)			
D6857	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)			
D6858	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)			
D6859	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)			
MISCELLANEOUS					
K68B	645 005 8387	PLUG, 6P			

■ Assembly PWB R/C1					
	610 300 9308	ASSY, PWB, R/C1 MY8A			
CAPACITOR					
C6841	403 348 5803	CERAMIC	0.47U K 10V		
C6842	403 348 5803	CERAMIC	0.47U K 10V		
RESISTOR					
R6842	401 105 0405	MT-GLAZE	100 JA 1/16W		
R6844	401 105 7909	MT-GLAZE	0.000 ZA 1/16W		
DIODE					
D6841	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)			
D6842	407 225 0202	DIODE RB751S-40			
MISCELLANEOUS					
A6841	645 034 5029	UNIT, REMOCON RECEIVER			
K68E	645 012 2248	PLUG, 4P			

■ Assembly PWB R/C2					
	610 300 9315	ASSY, PWB, R/C2 MY8A			
CAPACITOR					
C6846	403 348 5803	CERAMIC	0.47U K 10V		
C6847	403 348 5803	CERAMIC	0.47U K 10V		
RESISTOR					
R6847	401 105 0405	MT-GLAZE	100 JA 1/16W		
R6849	401 105 7909	MT-GLAZE	0.000 ZA 1/16W		
DIODE					
D6846	407 223 0501	ZENER DIODE 02DZ12Y(TPH3)			
D6847	407 225 0202	DIODE RB751S-40			
MISCELLANEOUS					
A6846	645 034 5029	UNIT, REMOCON RECEIVER			
K68D	645 012 2248	PLUG, 4P			

■ Assembly PWB SENSOR					
	610 300 9322	ASSY, PWB, SENSOR MY8A			
INTEGRATED CIRCUIT					
IC5801	409 481 8602	IC LM76CHMX-5			

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
Q1161	405 002 6904	TR 2SA1179-M7-TB	Q166	405 173 9803	TR 2SC3928A1R
	405 163 1503	TR 2SA1179N-M6-TB		405 173 9902	TR 2SC3928A1S
	405 163 2708	TR 2SA1179N-M7-TB		405 134 5905	TR 2SA1037AK-T146-R
	405 173 9605	TR 2SA1235A1E		405 147 2205	TR 2SA1037AK-S-T146
	405 173 9704	TR 2SA1235A1F		405 002 0308	TR 2SA1037K T146 R
	405 134 5905	TR 2SA1037AK-T146-R		405 002 0407	TR 2SA1037K T146 S
	405 147 2205	TR 2SA1037AK-S-T146		405 002 6706	TR 2SA1179-M6-TB
	405 002 0308	TR 2SA1037K T146 R		405 002 6904	TR 2SA1179N-M7-TB
	405 002 0407	TR 2SA1037K T146 S		405 163 2708	TR 2SA1179N-M7-TB
	405 002 6706	TR 2SA1179-M6-TB		405 173 9605	TR 2SA1235A1E
Q1162	405 002 6904	TR 2SA1179-M7-TB		405 173 9704	TR 2SA1235A1F
	405 163 1503	TR 2SA1179N-M6-TB	Q167	405 014 4509	TR 2SC2412K T146 R
	405 163 2708	TR 2SA1179N-M7-TB		405 014 4608	TR 2SC2412K T146 S
	405 173 9605	TR 2SA1235A1E		405 015 8704	TR 2SC2812-L6-TB
	405 173 9704	TR 2SA1235A1F		405 015 8902	TR 2SC2812-L7-TB
	405 014 4509	TR 2SC2412K T146 R		405 163 1602	TR 2SC2812N-L6-TB0
	405 014 4608	TR 2SC2412K T146 S		405 163 1701	TR 2SC2812N-L7-TB0
	405 015 8704	TR 2SC2812-L6-TB		405 173 9803	TR 2SC3928A1R
	405 015 8902	TR 2SC2812-L7-TB		405 173 9902	TR 2SC3928A1S
	405 163 1602	TR 2SC2812N-L6-TB0	Q168	405 014 4509	TR 2SC2412K T146 R
Q1163	405 163 1701	TR 2SC2812N-L7-TB0		405 014 4608	TR 2SC2412K T146 S
	405 173 9803	TR 2SC3928A1R		405 015 8704	TR 2SC2812-L6-TB
	405 173 9902	TR 2SC3928A1S		405 015 8902	TR 2SC2812-L7-TB
	405 134 5905	TR 2SA1037AK-T146-R		405 163 1602	TR 2SC2812N-L6-TB0
	405 147 2205	TR 2SA1037AK-S-T146		405 163 1701	TR 2SC2812N-L7-TB0
	405 002 0308	TR 2SA1037K T146 R		405 173 9803	TR 2SC3928A1R
	405 002 0407	TR 2SA1037K T146 S		405 173 9902	TR 2SC3928A1S
	405 002 6706	TR 2SA1179-M6-TB	Q2101	405 014 4509	TR 2SC2412K T146 R
	405 002 6904	TR 2SA1179-M7-TB		405 014 4608	TR 2SC2412K T146 S
	405 163 1503	TR 2SA1179N-M6-TB		405 015 8704	TR 2SC2812-L7-TB
	405 163 2708	TR 2SA1179N-M7-TB		405 015 8902	TR 2SC2812-L7-TB
	405 173 9605	TR 2SA1235A1E		405 163 1602	TR 2SC2812N-L6-TB0
	405 173 9704	TR 2SA1235A1F		405 163 1701	TR 2SC2812N-L7-TB0
Q1164	405 014 4509	TR 2SA1037AK-T146-R		405 173 9902	TR 2SC3928A1S
	405 147 2205	TR 2SA1037AK-S-T146	Q2151	405 014 4509	TR 2SC2412K T146 R
	405 002 0308	TR 2SA1037K T146 R		405 014 4608	TR 2SC2412K T146 S
	405 002 0407	TR 2SA1037K T146 S		405 015 8704	TR 2SC2812-L6-TB
	405 002 6706	TR 2SA1179-M6-TB		405 015 8902	TR 2SC2812-L7-TB
	405 002 6904	TR 2SA1179-M7-TB		405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1503	TR 2SA1179N-M6-TB		405 163 1701	TR 2SC2812N-L7-TB0
	405 163 2708	TR 2SA1179N-M7-TB		405 173 9803	TR 2SC3928A1R
	405 173 9605	TR 2SA1235A1E		405 173 9902	TR 2SC3928A1S
	405 173 9704	TR 2SA1235A1F	Q2191	405 014 4509	TR 2SA1037AK-T146-R
Q161	405 014 4509	TR 2SC2412K T146 R		405 014 4608	TR 2SC2412K T146 S
	405 014 4608	TR 2SC2412K T146 S		405 015 8704	TR 2SC2812-L6-TB
	405 015 8704	TR 2SC2812-L6-TB		405 015 8902	TR 2SC2812-L7-TB
	405 015 8902	TR 2SC2812-L7-TB		405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1602	TR 2SC2812N-L6-TB0		405 163 1701	TR 2SC2812N-L7-TB0
	405 163 1701	TR 2SC2812N-L7-TB0		405 173 9803	TR 2SC3928A1R
	405 173 9803	TR 2SC3928A1R		405 173 9902	TR 2SC3928A1S
	405 173 9902	TR 2SC3928A1S		405 002 0308	TR 2SA1037K T146 R
	405 014 4509	TR 2SC2412K T146 R		405 002 0407	TR 2SA1037K T146 S
	405 014 4608	TR 2SC2412K T146 S	Q3100	405 002 6706	TR 2SA1179-M6-TB
Q162	405 015 8704	TR 2SC2812-L6-TB		405 002 6904	TR 2SA1179-M7-TB
	405 015 8902	TR 2SC2812-L7-TB		405 163 1503	TR 2SA1179N-M6-TB
	405 163 1602	TR 2SC2812N-L6-TB0		405 163 2708	TR 2SA1179N-M7-TB
	405 163 1701	TR 2SC2812N-L7-TB0		405 173 9605	TR 2SA1235A1E
	405 173 9803	TR 2SC3928A1R		405 173 9704	TR 2SA1235A1F
	405 173 9902	TR 2SC3928A1S		405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S		405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB		405 015 8704	TR 2SC2812-L6-TB
	405 015 8902	TR 2SC2812-L7-TB		405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0	Q3101	405 163 1602	TR 2SC2812N-L6-TB0
Q163	405 163 1701	TR 2SC2812N-L7-TB0		405 163 1701	TR 2SC2812N-L7-TB0
	405 173 9803	TR 2SC3928A1R		405 173 9803	TR 2SC3928A1R
	405 173 9902	TR 2SC3928A1S		405 002 0308	TR 2SA1037K T146 R
	405 014 4509	TR 2SC2412K T146 R		405 002 0407	TR 2SA1037K T146 S
	405 014 4608	TR 2SC2412K T146 S		405 015 8704	TR 2SC2812-L6-TB
	405 015 8704	TR 2SC2812-L6-TB		405 015 8902	TR 2SC2812-L7-TB
	405 015 8902	TR 2SC2812-L7-TB		405 173 9803	TR 2SC3928A1R
	405 163 1602	TR 2SC2812N-L6-TB0		405 173 9902	TR 2SC3928A1S
	405 163 1701	TR 2SC2812N-L7-TB0	Q3102	405 173 9902	TR 2SC3928A1S
	405 173 9803	TR 2SC3928A1R		405 014 4509	TR 2SC2412K T146 R
Q164	405 173 9902	TR 2SC3928A1S		405 014 4608	TR 2SC2412K T146 S
	405 014 4608	TR 2SC2412K T146 S		405 015 8704	TR 2SC2812-L6-TB
	405 015 8704	TR 2SC2812-L6-TB		405 015 8902	TR 2SC2812-L7-TB
	405 015 8902	TR 2SC2812-L7-TB		405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1602	TR 2SC2812N-L6-TB0		405 163 1701	TR 2SC2812N-L7-TB0
	405 163 1701	TR 2SC2812N-L7-TB0		405 173 9803	TR 2SC3928A1R
	405 173 9803	TR 2SC3928A1R		405 173 9902	TR 2SC3928A1S
	405 173 9902	TR 2SC3928A1S		405 014 4509	TR 2SC2412K T146 R
	405 014 4608	TR 2SC2412K T146 S	Q3104	405 014 4608	TR 2SC2412K T146 S
	405 015 8704	TR 2SC2812-L6-TB		405 015 8704	TR 2SC2812-L6-TB
Q165	405 015 8902	TR 2SC2812-L7-TB		405 015 8902	TR 2SC2812-L7-TB
	405 163 1602	TR 2SC2812N-L6-TB0		405 163 1602	TR 2SC2812N-L6-TB0
	405 163 1701	TR 2SC2812N-L7-TB0		405 163 1701	TR 2SC2812N-L7-TB0
	405 173 9704	TR 2SA1235A1F		405 173 9803	TR 2SC3928A1R
	405 014 4509	TR 2SC2412K T146 R		405 173 9902	TR 2SC3928A1S
	405 014 4608	TR 2SC2412K T146 S		405 014 4509	TR 2SA1037AK-T146-R
	405 015 8704	TR 2SC2812-L6-TB		405 014 47 2205	TR 2SA1037AK-S-T146
	405 015 8902	TR 2SC2812-L7-TB		405 002 0308	TR 2SA1037K T146 R
	405 163 1602	TR 2SC2812N-L6-TB0		405 002 0407	TR 2SA1037K T146 S
	405 163 1701	TR 2SC2812N-L7-TB0		405 015 8704	TR 2SC2812-L6-TB

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
Q3143	405 002 0407	TR 2SA1037K T146 S	Q5101	405 002 0308	TR 2SA1037K T146 R
	405 002 6706	TR 2SA1179-M6-TB		405 002 0407	TR 2SA1037K T146 S
	405 002 6904	TR 2SA1179-M7-TB		405 002 6706	TR 2SA1179-M6-TB
	405 163 1503	TR 2SA1179N-M6-TB		405 002 6904	TR 2SA1179-M7-TB
	405 163 2708	TR 2SA1179N-M7-TB		405 163 1503	TR 2SA1179N-M6-TB
	405 173 9605	TR 2SA1235A1E		405 163 2708	TR 2SA1179N-M7-TB
	405 173 9704	TR 2SA1235A1F		405 173 9605	TR 2SA1235A1E
	405 014 4509	TR 2SC2412K T146 R		405 173 9704	TR 2SA1235A1F
	405 014 4608	TR 2SC2412K T146 S		405 014 4509	TR 2SC2412K T146 R
	405 015 8704	TR 2SC2812-L6-TB		405 014 4608	TR 2SC2412K T146 S
Q3144	405 015 8902	TR 2SC2812-L7-TB		405 015 8704	TR 2SC2812-L6-TB
	405 163 1602	TR 2SC2812N-L6-TB0		405 015 8902	TR 2SC2812-L7-TB
	405 163 1701	TR 2SC2812N-L7-TB0		405 163 1602	TR 2SC2812N-L6-TB0
	405 173 9803	TR 2SC3928A1R		405 163 1701	TR 2SC2812N-L7-TB0
	405 173 9902	TR 2SC3928A1S		405 173 9803	TR 2SC3928A1R
	405 014 4509	TR 2SC2412K T146 R		405 173 9902	TR 2SC3928A1S
	405 014 4608	TR 2SC2412K T146 S	Q5103	405 134 5905	TR 2SA1037AK-T146-R
Q3145	405 015 8704	TR 2SC2812-L6-TB		405 147 2205	TR 2SA1037AK-S-T146
	405 015 8902	TR 2SC2812-L7-TB		405 002 0308	TR 2SA1037K T146 R
	405 163 1602	TR 2SC2812N-L6-TB0		405 002 0407	TR 2SA1037K T146 S
	405 163 1701	TR 2SC2812N-L7-TB0		405 002 6706	TR 2SA1179-M6-TB
	405 173 9803	TR 2SC3928A1R		405 002 6904	TR 2SA1179-M7-TB
	405 173 9902	TR 2SC3928A1S		405 163 1503	TR 2SA1179N-M6-TB
	405 134 5905	TR 2SA1037AK-T146-R		405 163 2708	TR 2SA1179N-M7-TB
Q3146	405 147 2205	TR 2SA1037AK-S-T146		405 173 9605	TR 2SA1235A1E
	405 002 0308	TR 2SA1037K T146 R		405 173 9704	TR 2SA1235A1F
	405 002 0407	TR 2SA1037K T146 S		405 014 4509	TR 2SC2412K T146 R
	405 002 6706	TR 2SA1179-M6-TB		405 014 4608	TR 2SC2412K T146 S
	405 002 6904	TR 2SA1179-M7-TB		405 015 8704	TR 2SC2812-L6-TB
	405 163 1503	TR 2SA1179N-M6-TB		405 015 8902	TR 2SC2812-L7-TB
	405 163 2708	TR 2SA1179N-M7-TB		405 163 1602	TR 2SC2812N-L6-TB0
Q3160	405 173 9605	TR 2SA1235A1E		405 163 1701	TR 2SC2812N-L7-TB0
	405 173 9704	TR 2SA1235A1F		405 173 9803	TR 2SC3928A1R
	405 014 4509	TR 2SC2412K T146 R		405 173 9902	TR 2SC3928A1S
	405 014 4608	TR 2SC2412K T146 S		405 014 4509	TR 2SC2412K T146 R
	405 015 8704	TR 2SC2812-L6-TB		405 014 4608	TR 2SC2412K T146 S
	405 015 8902	TR 2SC2812-L7-TB		405 015 8704	TR 2SC2812-L6-TB
	405 163 1602	TR 2SC2812N-L6-TB0		405 015 8902	TR 2SC2812-L7-TB
Q3181	405 163 1701	TR 2SC2812N-L7-TB0		405 163 1602	TR 2SC2812N-L6-TB0
	405 173 9803	TR 2SC3928A1R		405 163 1701	TR 2SC2812N-L7-TB0
	405 173 9902	TR 2SC3928A1S		405 173 9803	TR 2SC3928A1R
	405 014 4509	TR 2SC2412K T146 R		405 173 9902	TR 2SC3928A1S
	405 014 4608	TR 2SC2412K T146 S		405 014 4509	TR 2SC2412K T146 R
	405 015 8704	TR 2SC2812-L6-TB		405 014 4608	TR 2SC2412K T146 S
	405 015 8902	TR 2SC2812-L7-TB		405 015 8704	TR 2SC2812-L6-TB
Q3182	405 163 1602	TR 2SC2812N-L6-TB0		405 015 8902	TR 2SC2812-L7-TB
	405 163 1701	TR 2SC2812N-L7-TB0		405 163 1602	TR 2SC2812N-L6-TB0
	405 173 9803	TR 2SC3928A1R		405 163 1701	TR 2SC2812N-L7-TB0
	405 173 9902	TR 2SC3928A1S		405 173 9803	TR 2SC3928A1R
	405 014 4509	TR 2SC2412K T146 R		405 173 9902	TR 2SC3928A1S
	405 014 4608	TR 2SC2412K T146 S		405 014 4509	TR 2SC2412K T146 R
	405 015 8704	TR 2SC2812-L6-TB	Q5106	405 014 4608	TR 2SC2412K T146 S
Q3183	405 015 8902	TR 2SC2812-L7-TB		405 015 8704	TR 2SC2812-L6-TB
	405 163 1602	TR 2SC2812N-L6-TB0		405 015 8902	TR 2SC2812-L7-TB
	405 163 1701	TR 2SC2812N-L7-TB0		405 163 1602	TR 2SC2812N-L6-TB0
	405 173 9803	TR 2SC3928A1R		405 163 1701	TR 2SC2812N-L7-TB0
	405 173 9902	TR 2SC3928A1S		405 173 9803	TR 2SC3928A1R
	405 014 4509	TR 2SC2412K T146 R		405 173 9902	TR 2SC3928A1S
	405 014 4608	TR 2SC2412K T146 S		405 014 4509	TR 2SC2412K T146 R
Q4101	405 015 8704	TR 2SC2812-L6-TB		405 014 4608	TR 2SC2412K T146 S
	405 015 8902	TR 2SC2812-L7-TB		405 015 8704	TR 2SC2812-L6-TB
	405 163 1602	TR 2SC2812N-L6-TB0		405 015 8902	TR 2SC2812-L7-TB
	405 163 1701	TR 2SC2812N-L7-TB0		405 163 1602	TR 2SC2812N-L6-TB0
	405 173 9803	TR 2SC3928A1R		405 163 1701	TR 2SC2812N-L7-TB0
	405 173 9902	TR 2SC3928A1S		405 173 9803	TR 2SC3928A1R
	405 014 4509	TR 2SC2412K T146 R		405 173 9902	TR 2SC3928A1S
Q4182	405 014 4608	TR 2SC2412K T146 S	INTEGRATED CIRCUIT	IC1101	409 453 9309
	405 015 8704	TR 2SC2812-L6-TB		IC1121	409 416 6406
	405 015 8902	TR 2SC2812-L7-TB		IC1131	410 342 8808
	405 163 1602	TR 2SC2812N-L6-TB0		IC1141	409 051 2900
	405 163 1701	TR 2SC2812N-L7-TB0		IC1181	409 051 2900
	405 173 9803	TR 2SC3928A1R		IC1191	409 397 3005
	405 173 9902	TR 2SC3928A1S		IC141	409 051 2900
Q4182	405 014 4509	TR 2SC2412K T146 R		IC181	409 461 7304
	405 014 4608	TR 2SC2412K T146 S		IC182	409 429 6400
	405 015 8704	TR 2SC2812-L6-TB		IC183	409 461 7304
	405 015 8902	TR 2SC2812-L7-TB		IC184	409 461 7304
	405 163 1602	TR 2SC2812N-L6-TB0		IC2101	409 442 1307
	405 163 1701	TR 2SC2812N-L7-TB0		IC2141	409 422 5806
	405 173 9803	TR 2SC3928A1R		IC2142	409 404 6302
Q4185	405 173 9902	TR 2SC3928A1S		IC2143	409 392 7503
	405 014 4509	TR 2SC2412K T146 R		IC2151	409 250 9809
	405 014 4608	TR 2SC2412K T146 S		IC2161	409 051 2900
	405 015 8704	TR 2SC2812-L6-TB		IC3121	409 408 4205
	405 015 8902	TR 2SC2812-L7-TB		IC3131	409 435 3806
	405 163 1602	TR 2SC2812N-L6-TB0		IC3141	409 449 2901
	405 163 1701	TR 2SC2812N-L7-TB0		IC3151	409 461 7304
Q4185	405 173 9803	TR 2SC3928A1R		IC3161	409 493 2902
	405 173 9902	TR 2SC3928A1S		IC4101	409 474 0002
	405 134 5905	TR 2SA1037AK-T146-R		IC4111	409 397 3005
Q4185	405 147 2205	TR 2SA1037AK-S-T146		IC	TC7SET04FU-(TE85L)

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
IC4112	409 397 3005	IC TC7SET04FU-(TE85L)	C2114	403 283 6309	CERAMIC 1U Z 10V
IC4181	409 051 2900	IC TC4053BF(EL)	C2116	403 283 6309	CERAMIC 1U Z 10V
IC5101	409 422 6605	IC TC90A11F	C2117	403 164 0204	CERAMIC 0.1U Z 25V
IC5111	409 325 4203	IC PST600DMT	C2118	401 105 0405	MT-GLAZE 100 JA 1/16W
IC5150	410 365 2005	IC MSM518221A-25GS-K	C2119	403 215 2201	CERAMIC 0.01U K 50V
IC5181	409 461 7304	IC AD8057ART	C2121	403 283 6309	CERAMIC 1U Z 10V
IC5182	409 461 7304	IC AD8057ART	C2122	403 164 0204	CERAMIC 0.1U Z 25V
IC5183	409 461 7304	IC AD8057ART	C2123	403 280 0805	ELECT 330U M 6.3V
CAPACITOR			C2124	403 215 2201	CERAMIC 0.01U K 50V
C101	403 162 4709	ELECT 10U M 16V	C2125	403 215 2201	CERAMIC 0.01U K 50V
C102	403 162 4709	ELECT 10U M 16V	C2126	403 215 2904	CERAMIC 0.022U K 25V
C103	403 164 0204	CERAMIC 0.1U Z 25V	C2127	403 164 0204	CERAMIC 0.1U Z 25V
C104	403 280 1604	ELECT 220U M 16V	C2128	403 283 6309	CERAMIC 1U Z 10V
C1101	403 145 9905	CERAMIC 22P J 50V	C2129	403 283 6309	CERAMIC 1U Z 10V
C1102	403 145 9905	CERAMIC 22P J 50V	C2131	403 215 2201	CERAMIC 0.01U K 50V
C1103	403 164 0204	CERAMIC 0.1U Z 25V	C2133	401 219 1107	MT-GLAZE 1.8K FA 1/16W
C1104	403 164 0204	CERAMIC 0.1U Z 25V	C2134	403 215 2201	CERAMIC 0.01U K 50V
C1105	403 215 0900	CERAMIC 390P J 50V	C2135	403 215 2201	CERAMIC 0.01U K 50V
C1106	403 164 0204	CERAMIC 0.1U Z 25V	C2136	403 215 2201	CERAMIC 0.01U K 50V
C1107	403 164 0204	CERAMIC 0.1U Z 25V	C2137	403 280 0805	ELECT 330U M 6.3V
C1108	403 164 0204	CERAMIC 0.1U Z 25V	C2138	403 280 0805	ELECT 330U M 6.3V
C1109	403 283 6309	CERAMIC 1U Z 10V	C2141	403 164 0204	CERAMIC 0.1U Z 25V
C1110	403 283 6309	CERAMIC 1U Z 10V	C2143	403 283 6309	CERAMIC 1U Z 10V
C1112	403 283 6309	CERAMIC 1U Z 10V	C2144	403 175 4505	ELECT 47U M 6.3V
C1113	403 164 0204	CERAMIC 0.1U Z 25V	C2145	403 164 0204	CERAMIC 0.1U Z 25V
C1114	403 164 0204	CERAMIC 0.1U Z 25V	C2146	403 164 0204	CERAMIC 0.1U Z 25V
C1115	403 164 0204	CERAMIC 0.1U Z 25V	C2147	403 164 0204	CERAMIC 0.1U Z 25V
C1116	403 164 0204	CERAMIC 0.1U Z 25V	C2148	403 164 0204	CERAMIC 0.1U Z 25V
C1117	403 266 8108	NP-ELECT 1U M 50V	C2149	403 164 0204	CERAMIC 0.1U Z 25V
C1119	403 162 4709	ELECT 10U M 16V	C2150	403 164 0204	CERAMIC 0.1U Z 25V
C1121	403 164 0204	CERAMIC 0.1U Z 25V	C2151	403 164 0204	CERAMIC 0.1U Z 25V
C1122	403 164 0204	CERAMIC 0.1U Z 25V	C2152	403 164 0204	CERAMIC 0.1U Z 25V
C1123	403 164 0204	CERAMIC 0.1U Z 25V	C2153	403 164 0204	CERAMIC 0.1U Z 25V
C1124	403 164 0204	CERAMIC 0.1U Z 25V	C2154	403 164 0204	CERAMIC 0.1U Z 25V
C1125	403 164 0204	CERAMIC 0.1U Z 25V	C2155	403 164 0204	CERAMIC 0.1U Z 25V
C1126	403 164 0204	CERAMIC 0.1U Z 25V	C2156	403 164 0204	CERAMIC 0.1U Z 25V
C1127	403 175 4505	ELECT 47U M 6.3V	C2157	403 164 0204	CERAMIC 0.1U Z 25V
C1128	403 164 0204	CERAMIC 0.1U Z 25V	C2158	403 164 0204	CERAMIC 0.1U Z 25V
C1129	403 175 4505	ELECT 47U M 6.3V	C2159	403 164 0204	CERAMIC 0.1U Z 25V
C1132	403 280 0805	ELECT 330U M 6.3V	C2160	403 164 0204	CERAMIC 0.1U Z 25V
C1133	403 164 0204	CERAMIC 0.1U Z 25V	C2167	403 283 6309	CERAMIC 1U Z 10V
C1134	403 283 6309	CERAMIC 1U Z 10V	C2168	403 164 0204	CERAMIC 0.1U Z 25V
C1135	403 280 0805	ELECT 330U M 6.3V	C2170	403 164 0204	CERAMIC 0.1U Z 25V
C1136	403 283 6309	CERAMIC 1U Z 10V	C2171	403 164 0204	CERAMIC 0.1U Z 25V
C1137	403 283 6309	CERAMIC 1U Z 10V	C2172	403 164 0204	CERAMIC 0.1U Z 25V
C1141	403 175 4505	ELECT 47U M 6.3V	C2173	403 164 0204	CERAMIC 0.1U Z 25V
C1146	403 164 0204	CERAMIC 0.1U Z 25V	C2174	403 164 0204	CERAMIC 0.1U Z 25V
C1147	403 283 6309	CERAMIC 1U Z 10V	C2182	403 175 4109	ELECT 22U M 16V
C1148	403 164 0204	CERAMIC 0.1U Z 25V	C2184	403 175 4109	ELECT 22U M 16V
C1151	403 283 6309	CERAMIC 1U Z 10V	C2186	403 164 0204	CERAMIC 0.1U Z 25V
C1152	403 283 6309	CERAMIC 1U Z 10V	C2188	403 164 0204	CERAMIC 0.1U Z 25V
C1161	403 283 6309	CERAMIC 1U Z 10V	C2191	401 105 0603	MT-GLAZE 10K JA 1/16W
C1162	403 145 9905	CERAMIC 22P J 50V	C2192	403 145 9905	CERAMIC 22P J 50V
C1187	403 283 6309	CERAMIC 1U Z 10V	C2193	403 145 9905	CERAMIC 22P J 50V
C1188	403 164 0204	CERAMIC 0.1U Z 25V	C3016	403 280 1604	ELECT 220U M 16V
C123	403 164 0204	CERAMIC 0.1U Z 25V	C3018	403 164 0204	CERAMIC 0.1U Z 25V
C146	403 283 6309	CERAMIC 1U Z 10V	C3105	403 164 0204	CERAMIC 0.1U Z 25V
C147	403 164 0204	CERAMIC 0.1U Z 25V	C3106	403 215 2201	CERAMIC 0.01U K 50V
C161	403 266 8108	NP-ELECT 1U M 50V	C3121	403 162 4709	ELECT 10U M 16V
C162	403 323 8805	CERAMIC 2.2U Z 16V	C3122	403 164 0204	CERAMIC 0.1U Z 25V
	403 255 7907	CERAMIC 2.2U Z 16V	C3123	403 298 9609	CERAMIC 0.1U K 16V
C163	403 164 0204	CERAMIC 0.1U Z 25V	C3124	403 298 9609	CERAMIC 0.1U K 16V
C164	403 283 6309	CERAMIC 1U Z 10V	C3125	403 298 9609	CERAMIC 0.1U K 16V
C165	403 113 3805	CERAMIC 1000P K 50V	C3131	403 215 2201	CERAMIC 0.01U K 50V
C166	403 162 6208	ELECT 1U M 50V	C3132	403 283 6309	CERAMIC 1U Z 10V
C167	403 164 0204	CERAMIC 0.1U Z 25V	C3134	403 175 4109	ELECT 22U M 16V
C168	403 283 6309	CERAMIC 1U Z 10V	C3135	403 164 0204	CERAMIC 0.1U Z 25V
C180	403 155 4204	CERAMIC 15P J 50V	C3136	403 164 0204	CERAMIC 0.1U Z 25V
C181	403 155 4204	CERAMIC 15P J 50V	C3137	403 164 0204	CERAMIC 0.1U Z 25V
C182	403 155 4204	CERAMIC 15P J 50V	C3140	403 283 6309	CERAMIC 1U Z 10V
C183	403 155 4204	CERAMIC 15P J 50V	C3141	403 215 2201	CERAMIC 0.01U K 50V
C2101	403 175 4802	NP-ELECT 10U M 10V	C3142	403 283 6309	CERAMIC 1U Z 10V
C2102	403 164 0204	CERAMIC 0.1U Z 25V	C3143	403 164 0204	CERAMIC 0.1U Z 25V
C2103	403 283 6309	CERAMIC 1U Z 10V	C3144	403 162 6604	ELECT 2.2U M 50V
C2104	403 164 0204	CERAMIC 0.1U Z 25V	C3146	403 164 0204	CERAMIC 0.1U Z 25V
C2105	403 164 0204	CERAMIC 0.1U Z 25V	C3147	403 266 8108	NP-ELECT 1U M 50V
C2106	403 164 0204	CERAMIC 0.1U Z 25V	C3148	403 266 8108	NP-ELECT 1U M 50V
C2107	403 283 6309	CERAMIC 1U Z 10V	C3149	403 266 8108	NP-ELECT 1U M 50V
C2108	403 164 0204	CERAMIC 0.1U Z 25V	C3150	403 286 8508	ELECT 330U M 16V
C2109	403 164 0204	CERAMIC 0.1U Z 25V	C3151	403 348 5803	CERAMIC 0.47U K 10V
C2111	403 164 0204	CERAMIC 0.1U Z 25V	C3152	403 348 5803	CERAMIC 0.47U K 10V
C2112	403 164 0204	CERAMIC 0.1U Z 25V	C3153	403 157 2109	CERAMIC 13P J 50V
C2113	403 215 2201	CERAMIC 0.01U K 50V	C3154	403 157 2109	CERAMIC 13P J 50V

Electrical Parts List

Ref. No.	Part No.	Description			Ref. No.	Part No.	Description		
C3155	403 157 2109	CERAMIC	13P J	50V	C5135	403 139 7306	CERAMIC	18P J	50V
C3157	403 157 2109	CERAMIC	13P J	50V	C5136	403 157 1508	CERAMIC	3P C	50V
C3159	403 155 1500	CERAMIC	180P J	50V	C5137	403 157 1706	CERAMIC	8P D	50V
C3160	403 215 2201	CERAMIC	0.01U K	50V	C5138	403 164 0204	CERAMIC	0.1U Z	25V
C3163	403 162 5300	ELECT	4.7U M	25V	C5139	403 153 9102	CERAMIC	5P C	50V
C3164	403 343 8809	CERAMIC	0.47U Z	16V	C5141	403 145 9905	CERAMIC	22P J	50V
C3166	403 266 8108	NP-ELECT	1U M	50V	C5142	403 157 1706	CERAMIC	8P D	50V
C3167	403 215 2102	CERAMIC	8200P K	50V	C5143	403 164 0204	CERAMIC	0.1U Z	25V
C3168	403 162 6000	ELECT	0.47U M	50V	C5144	403 283 6309	CERAMIC	1U Z	10V
C3169	403 153 9102	CERAMIC	5P C	50V	C5145	403 164 0204	CERAMIC	0.1U Z	25V
C3172	403 157 3601	CERAMIC	100P J	50V	C5146	403 164 0204	CERAMIC	0.1U Z	25V
C3175	403 164 0204	CERAMIC	0.1U Z	25V	C5147	403 164 0204	CERAMIC	0.1U Z	25V
C3176	403 175 4109	ELECT	22U M	16V	C5148	403 164 0204	CERAMIC	0.1U Z	25V
C3177	403 162 6000	ELECT	0.47U M	50V	C5149	403 280 0805	ELECT	330U M	6.3V
C4119	403 164 0204	CERAMIC	0.1U Z	25V	C5151	403 283 6309	CERAMIC	1U Z	10V
C4126	403 215 2201	CERAMIC	0.01U K	50V	C5152	403 164 0204	CERAMIC	0.1U Z	25V
C4129	403 164 0204	CERAMIC	0.1U Z	25V	C5181	403 280 1604	ELECT	220U M	16V
C4132	403 164 0204	CERAMIC	0.1U Z	25V	C5182	403 164 0204	CERAMIC	0.1U Z	25V
C4133	403 164 0204	CERAMIC	0.1U Z	25V	C5183	403 153 9102	CERAMIC	5P C	50V
C4134	403 164 0204	CERAMIC	0.1U Z	25V	C5184	403 153 9102	CERAMIC	5P C	50V
C4135	403 162 4709	ELECT	10U M	16V	C5185	403 153 9102	CERAMIC	5P C	50V
C4137	403 348 5803	CERAMIC	0.47U K	10V	C5186	403 155 1609	CERAMIC	33P J	50V
C4138	403 162 4709	ELECT	10U M	16V	C5187	403 155 1609	CERAMIC	33P J	50V
C4139	403 298 9609	CERAMIC	0.1U K	16V	C5188	403 155 1609	CERAMIC	33P J	50V
C4140	403 215 2201	CERAMIC	0.01U K	50V	RESISTOR				
C4141	403 215 2201	CERAMIC	0.01U K	50V	R100	401 105 3000	MT-GLAZE	220K JA	1/16W
C4142	403 215 2201	CERAMIC	0.01U K	50V	R101	401 105 5509	MT-GLAZE	470K JA	1/16W
C4143	403 215 2201	CERAMIC	0.01U K	50V	R102	401 105 5509	MT-GLAZE	470K JA	1/16W
C4144	403 215 2201	CERAMIC	0.01U K	50V	R103	401 105 0405	MT-GLAZE	100 JA	1/16W
C4145	403 215 2201	CERAMIC	0.01U K	50V	R104	401 105 3000	MT-GLAZE	220K JA	1/16W
C4146	403 215 2201	CERAMIC	0.01U K	50V	R105	401 105 7909	MT-GLAZE	0.000 ZA	1/16W
C4147	403 215 2201	CERAMIC	0.01U K	50V	R106	401 105 2805	MT-GLAZE	2.2K JA	1/16W
C4148	403 215 2201	CERAMIC	0.01U K	50V	R107	401 105 0405	MT-GLAZE	100 JA	1/16W
C4157	403 162 4709	ELECT	10U M	16V	R108	401 105 3000	MT-GLAZE	220K JA	1/16W
C4158	403 348 5803	CERAMIC	0.47U K	10V	R109	401 105 7909	MT-GLAZE	0.000 ZA	1/16W
C4160	403 343 8809	CERAMIC	0.47U Z	16V	R110	401 105 3000	MT-GLAZE	220K JA	1/16W
C4164	403 164 0204	CERAMIC	0.1U Z	25V	R1101	401 105 5202	MT-GLAZE	470 JA	1/16W
C4165	403 164 0204	CERAMIC	0.1U Z	25V	R1102	401 105 7909	MT-GLAZE	0.000 ZA	1/16W
C4166	403 164 0204	CERAMIC	0.1U Z	25V	R1103	401 105 7909	MT-GLAZE	0.000 ZA	1/16W
C4169	403 215 2201	CERAMIC	0.01U K	50V	R1104	401 105 7909	MT-GLAZE	0.000 ZA	1/16W
C4171	403 215 2201	CERAMIC	0.01U K	50V	R1105	401 105 7909	MT-GLAZE	0.000 ZA	1/16W
C4172	403 215 2201	CERAMIC	0.01U K	50V	R1106	401 105 5202	MT-GLAZE	470 JA	1/16W
C4181	403 164 0204	CERAMIC	0.1U Z	25V	R1107	401 105 5202	MT-GLAZE	470 JA	1/16W
C4182	403 283 6309	CERAMIC	1U Z	10V	R1108	401 105 7909	MT-GLAZE	0.000 ZA	1/16W
C4183	403 283 6309	CERAMIC	1U Z	10V	R1109	401 105 5301	MT-GLAZE	4.7K JA	1/16W
C4184	403 283 6309	CERAMIC	1U Z	10V	R111	401 105 2805	MT-GLAZE	2.2K JA	1/16W
C4185	403 224 7006	CERAMIC	0.047U Z	50V	R1111	401 105 0405	MT-GLAZE	100 JA	1/16W
C4186	403 224 7006	CERAMIC	0.047U Z	50V	R1112	401 105 0405	MT-GLAZE	100 JA	1/16W
C4187	403 283 6309	CERAMIC	1U Z	10V	R1113	401 105 0405	MT-GLAZE	100 JA	1/16W
C4188	403 164 0204	CERAMIC	0.1U Z	25V	R1128	401 105 0405	MT-GLAZE	100 JA	1/16W
C5100	403 164 0204	CERAMIC	0.1U Z	25V	R1129	401 105 0405	MT-GLAZE	100 JA	1/16W
C5101	403 164 0204	CERAMIC	0.1U Z	25V	R1131	401 105 0405	MT-GLAZE	100 JA	1/16W
C5102	403 164 0204	CERAMIC	0.1U Z	25V	R1132	401 105 7909	MT-GLAZE	0.000 ZA	1/16W
C5103	403 215 1006	CERAMIC	470P J	50V	R1133	401 105 7909	MT-GLAZE	0.000 ZA	1/16W
C5104	403 298 9609	CERAMIC	0.1U K	16V	R1141	401 105 1105	MT-GLAZE	12K JA	1/16W
C5105	403 155 1302	CERAMIC	150P J	50V	R1142	401 105 8104	MT-GLAZE	56K JA	1/16W
C5106	403 139 7108	CERAMIC	12P J	50V	R1149	401 105 0405	MT-GLAZE	100 JA	1/16W
C5107	403 164 0204	CERAMIC	0.1U Z	25V	R1151	401 105 0405	MT-GLAZE	100 JA	1/16W
C5108	403 164 0204	CERAMIC	0.1U Z	25V	R1152	401 105 0405	MT-GLAZE	100 JA	1/16W
C5109	403 164 0204	CERAMIC	0.1U Z	25V	R1155	401 105 7503	MT-GLAZE	82K JA	1/16W
C5110	403 162 4709	ELECT	10U M	16V	R1156	401 105 2102	MT-GLAZE	18K JA	1/16W
C5111	403 280 0805	ELECT	330U M	6.3V	R1157	401 105 0504	MT-GLAZE	1K JA	1/16W
C5112	403 164 0204	CERAMIC	0.1U Z	25V	R1158	401 105 5301	MT-GLAZE	4.7K JA	1/16W
C5113	403 215 2201	CERAMIC	0.01U K	50V	R1159	401 105 7305	MT-GLAZE	820 JA	1/16W
C5114	403 155 1500	CERAMIC	180P J	50V	R1161	401 105 6001	MT-GLAZE	5.6K JA	1/16W
C5115	403 215 2201	CERAMIC	0.01U K	50V	R1162	401 105 0504	MT-GLAZE	1K JA	1/16W
C5116	403 164 0204	CERAMIC	0.1U Z	25V	R1163	401 105 2706	MT-GLAZE	220 JA	1/16W
C5117	403 164 0204	CERAMIC	0.1U Z	25V	R1165	401 105 4502	MT-GLAZE	390 JA	1/16W
C5118	403 164 0204	CERAMIC	0.1U Z	25V	R1166	401 105 5103	MT-GLAZE	47 JA	1/16W
C5119	403 164 0204	CERAMIC	0.1U Z	25V	R1167	401 105 0504	MT-GLAZE	1K JA	1/16W
C5120	403 153 9102	CERAMIC	5P C	50V	R1168	401 105 0504	MT-GLAZE	1K JA	1/16W
C5121	403 164 0204	CERAMIC	0.1U Z	25V	R1169	401 105 5301	MT-GLAZE	4.7K JA	1/16W
C5122	403 164 0204	CERAMIC	0.1U Z	25V	R1171	401 105 7305	MT-GLAZE	820 JA	1/16W
C5123	403 164 0204	CERAMIC	0.1U Z	25V	R1172	401 105 6001	MT-GLAZE	5.6K JA	1/16W
C5124	403 164 0204	CERAMIC	0.1U Z	25V	R1173	401 105 0504	MT-GLAZE	1K JA	1/16W
C5125	403 164 0204	CERAMIC	0.1U Z	25V	R1174	401 105 2706	MT-GLAZE	220 JA	1/16W
C5126	403 164 0204	CERAMIC	0.1U Z	25V	R1175	401 105 2706	MT-GLAZE	220 JA	1/16W
C5128	403 155 4204	CERAMIC	15P J	50V	R1176	401 105 5905	MT-GLAZE	560 JA	1/16W
C5129	403 155 1609	CERAMIC	33P J	50V	R1177	401 105 5103	MT-GLAZE	47 JA	1/16W
C5130	403 157 1706	CERAMIC	8P D	50V	R1178	401 105 0504	MT-GLAZE	1K JA	1/16W
C5132	403 162 6208	ELECT	1U M	50V	R1183	401 105 2706	MT-GLAZE	220 JA	1/16W
C5133	403 139 7306	CERAMIC	18P J	50V	R1184	401 105 4106	MT-GLAZE	3.3K JA	1/16W
C5134	403 215 2201	CERAMIC	0.01U K	50V	R1187	401 105 0405	MT-GLAZE	100 JA	1/16W

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description		
R1188	401 105 0405	MT-GLAZE	100 JA 1/16W	R2145	401 105 0405	MT-GLAZE	100 JA 1/16W
R1189	401 105 0405	MT-GLAZE	100 JA 1/16W	R2146	401 105 0405	MT-GLAZE	100 JA 1/16W
R121	401 226 1206	MT-GLAZE	150 FA 1/16W	R2147	401 105 0405	MT-GLAZE	100 JA 1/16W
R122	401 226 1206	MT-GLAZE	150 FA 1/16W	R2148	401 105 0405	MT-GLAZE	100 JA 1/16W
R123	401 226 1206	MT-GLAZE	150 FA 1/16W	R2149	401 105 0603	MT-GLAZE	10K JA 1/16W
R124	401 226 1206	MT-GLAZE	150 FA 1/16W	R2150	401 038 2002	MT-GLAZE	270 JA 1/10W
R125	401 105 0405	MT-GLAZE	100 JA 1/16W	R2151	401 037 5004	MT-GLAZE	0.000 ZA 1/10W
R126	401 105 4106	MT-GLAZE	3.3K JA 1/16W	R2153	401 105 0603	MT-GLAZE	10K JA 1/16W
R131	401 226 1206	MT-GLAZE	150 FA 1/16W	R2155	401 105 0405	MT-GLAZE	100 JA 1/16W
R132	401 226 1206	MT-GLAZE	150 FA 1/16W	R2156	401 105 0405	MT-GLAZE	100 JA 1/16W
R133	401 226 1206	MT-GLAZE	150 FA 1/16W	R2157	401 105 0504	MT-GLAZE	1K JA 1/16W
R134	401 226 1206	MT-GLAZE	150 FA 1/16W	R2160	401 105 2805	MT-GLAZE	2.2K JA 1/16W
R147	401 105 0405	MT-GLAZE	100 JA 1/16W	R2161	401 105 7404	MT-GLAZE	8.2K JA 1/16W
R148	401 105 0405	MT-GLAZE	100 JA 1/16W	R2162	401 105 0603	MT-GLAZE	10K JA 1/16W
R149	401 105 0405	MT-GLAZE	100 JA 1/16W	R2163	401 105 2706	MT-GLAZE	220 JA 1/16W
R161	401 105 4809	MT-GLAZE	390K JA 1/16W	R2164	401 105 4106	MT-GLAZE	3.3K JA 1/16W
R162	401 105 4106	MT-GLAZE	3.3K JA 1/16W	R2165	401 105 7909	MT-GLAZE	0.000 ZA 1/16W
R163	401 105 6001	MT-GLAZE	5.6K JA 1/16W	R2167	401 105 0405	MT-GLAZE	100 JA 1/16W
R164	401 105 0405	MT-GLAZE	100 JA 1/16W	R2168	401 105 0405	MT-GLAZE	100 JA 1/16W
R165	401 105 2805	MT-GLAZE	2.2K JA 1/16W	R2169	401 105 0405	MT-GLAZE	100 JA 1/16W
R166	401 105 0405	MT-GLAZE	100 JA 1/16W	R2170	401 105 4007	MT-GLAZE	330 JA 1/16W
R167	401 105 2805	MT-GLAZE	2.2K JA 1/16W	R2171	401 105 0702	MT-GLAZE	100K JA 1/16W
R168	401 105 7305	MT-GLAZE	820 JA 1/16W	R2191	401 105 0504	MT-GLAZE	1K JA 1/16W
R169	401 105 4106	MT-GLAZE	3.3K JA 1/16W	R2192	401 105 0504	MT-GLAZE	1K JA 1/16W
R171	401 105 1501	MT-GLAZE	1.5K JA 1/16W	R2193	401 105 2805	MT-GLAZE	2.2K JA 1/16W
R172	401 105 2706	MT-GLAZE	220 JA 1/16W	R3105	401 105 0504	MT-GLAZE	1K JA 1/16W
R173	401 105 3000	MT-GLAZE	220K JA 1/16W	R3106	401 105 1006	MT-GLAZE	1.2K JA 1/16W
R174	401 105 2805	MT-GLAZE	2.2K JA 1/16W	R3107	401 105 5202	MT-GLAZE	470 JA 1/16W
R175	401 105 5202	MT-GLAZE	470 JA 1/16W	R3108	401 105 2904	MT-GLAZE	22K JA 1/16W
R176	401 105 5400	MT-GLAZE	47K JA 1/16W	R3109	401 105 7404	MT-GLAZE	8.2K JA 1/16W
R177	401 105 0504	MT-GLAZE	1K JA 1/16W	R3110	401 105 0405	MT-GLAZE	100 JA 1/16W
R178	401 105 5301	MT-GLAZE	4.7K JA 1/16W	R3120	401 105 0504	MT-GLAZE	1K JA 1/16W
R179	401 105 2805	MT-GLAZE	2.2K JA 1/16W	R3121	401 037 9101	MT-GLAZE	180 JA 1/10W
R180	401 218 4505	MT-GLAZE	2.2K FA 1/16W	R3122	401 037 9101	MT-GLAZE	180 JA 1/10W
R182	401 219 1107	MT-GLAZE	1.8K FA 1/16W	R3130	401 105 6506	MT-GLAZE	680 JA 1/16W
R183	401 105 2904	MT-GLAZE	22K JA 1/16W	R3131	401 105 0504	MT-GLAZE	1K JA 1/16W
R184	401 105 7404	MT-GLAZE	8.2K JA 1/16W	R3132	401 105 0306	MT-GLAZE	10 JA 1/16W
R185	401 218 4505	MT-GLAZE	2.2K FA 1/16W	R3140	401 105 0504	MT-GLAZE	1K JA 1/16W
R187	401 219 1107	MT-GLAZE	1.8K FA 1/16W	R3142	401 105 4007	MT-GLAZE	330 JA 1/16W
R188	401 105 2904	MT-GLAZE	22K JA 1/16W	R3143	401 105 0603	MT-GLAZE	10K JA 1/16W
R189	401 105 7404	MT-GLAZE	8.2K JA 1/16W	R3144	401 105 4106	MT-GLAZE	3.3K JA 1/16W
R190	401 105 2805	MT-GLAZE	2.2K JA 1/16W	R3145	401 105 0504	MT-GLAZE	1K JA 1/16W
R192	401 105 1501	MT-GLAZE	1.5K JA 1/16W	R3147	401 105 0504	MT-GLAZE	1K JA 1/16W
R193	401 105 4700	MT-GLAZE	39K JA 1/16W	R3148	401 105 4106	MT-GLAZE	3.3K JA 1/16W
R194	401 105 7404	MT-GLAZE	8.2K JA 1/16W	R3151	401 105 1501	MT-GLAZE	1.5K JA 1/16W
R195	401 105 2805	MT-GLAZE	2.2K JA 1/16W	R3152	401 105 0504	MT-GLAZE	1K JA 1/16W
R197	401 105 1501	MT-GLAZE	1.5K JA 1/16W	R3153	401 105 5202	MT-GLAZE	470 JA 1/16W
R198	401 105 4700	MT-GLAZE	39K JA 1/16W	R3154	401 105 8104	MT-GLAZE	56K JA 1/16W
R199	401 105 7404	MT-GLAZE	8.2K JA 1/16W	R3155	401 105 8104	MT-GLAZE	56K JA 1/16W
R2101	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R3156	401 105 8104	MT-GLAZE	56K JA 1/16W
R2102	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R3157	401 105 8104	MT-GLAZE	56K JA 1/16W
R2103	401 105 1402	MT-GLAZE	150 JA 1/16W	R3158	401 105 8104	MT-GLAZE	56K JA 1/16W
R2104	401 235 4106	MT-GLAZE	120 FA 1/16W	R3159	401 105 0504	MT-GLAZE	1K JA 1/16W
R2105	401 105 4106	MT-GLAZE	3.3K JA 1/16W	R3160	401 105 1204	MT-GLAZE	120K JA 1/16W
R2106	401 105 2805	MT-GLAZE	2.2K JA 1/16W	R3162	401 105 2706	MT-GLAZE	220 JA 1/16W
R2107	401 105 4106	MT-GLAZE	3.3K JA 1/16W	R3163	401 105 2706	MT-GLAZE	220 JA 1/16W
R2108	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R3165	401 105 0405	MT-GLAZE	100 JA 1/16W
R2110	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R3166	401 105 0405	MT-GLAZE	100 JA 1/16W
R2111	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R3167	401 105 3307	MT-GLAZE	2.7K JA 1/16W
R2112	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R3168	401 105 4304	MT-GLAZE	330K JA 1/16W
R2113	401 105 0405	MT-GLAZE	100 JA 1/16W	R3169	401 105 0504	MT-GLAZE	1K JA 1/16W
R2114	401 105 0405	MT-GLAZE	100 JA 1/16W	R3170	401 105 3000	MT-GLAZE	220K JA 1/16W
R2116	401 105 5301	MT-GLAZE	4.7K JA 1/16W	R3171	401 105 2805	MT-GLAZE	2.2K JA 1/16W
R2117	401 105 8104	MT-GLAZE	56K JA 1/16W	R3173	401 105 4106	MT-GLAZE	3.3K JA 1/16W
R2118	401 105 5905	MT-GLAZE	560 JA 1/16W	R3174	401 113 9506	MT-GLAZE	620K JA 1/16W
R2119	401 105 0504	MT-GLAZE	1K JA 1/16W	R3175	401 218 4505	MT-GLAZE	2.2K FA 1/16W
R2120	401 105 1501	MT-GLAZE	1.5K JA 1/16W	R3176	401 219 1602	MT-GLAZE	100K FA 1/16W
R2121	401 105 0603	MT-GLAZE	10K JA 1/16W	R3177	401 105 5301	MT-GLAZE	4.7K JA 1/16W
R2122	401 105 0900	MT-GLAZE	120 JA 1/16W	R3178	401 105 6001	MT-GLAZE	5.6K JA 1/16W
R2123	401 226 1206	MT-GLAZE	150 FA 1/16W	R3179	401 286 3400	MT-GLAZE	10 FA 1/16W
R2124	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R3180	401 105 0603	MT-GLAZE	10K JA 1/16W
R2125	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R3181	401 105 0504	MT-GLAZE	1K JA 1/16W
R2126	401 105 0405	MT-GLAZE	100 JA 1/16W	R3182	401 105 0504	MT-GLAZE	1K JA 1/16W
R2127	401 105 0405	MT-GLAZE	100 JA 1/16W	R3183	401 105 5202	MT-GLAZE	470 JA 1/16W
R2128	401 105 0405	MT-GLAZE	100 JA 1/16W	R3184	401 105 0504	MT-GLAZE	1K JA 1/16W
R2129	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R3185	401 105 0504	MT-GLAZE	1K JA 1/16W
R2130	401 105 4601	MT-GLAZE	3.9K JA 1/16W	R3186	401 105 5202	MT-GLAZE	470 JA 1/16W
R2131	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R3187	401 105 0504	MT-GLAZE	1K JA 1/16W
R2132	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R3188	401 105 0504	MT-GLAZE	1K JA 1/16W
R2140	401 038 2002	MT-GLAZE	270 JA 1/10W	R3189	401 105 4007	MT-GLAZE	330 JA 1/16W
R2141	401 105 0405	MT-GLAZE	100 JA 1/16W	R3190	401 105 4007	MT-GLAZE	330 JA 1/16W
R2142	401 105 0405	MT-GLAZE	100 JA 1/16W	R3191	401 105 0405	MT-GLAZE	100 JA 1/16W
R2144	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R3193	401 105 0702	MT-GLAZE	100K JA 1/16W

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R4101	401 217 5404	MT-GLAZE 47K FA 1/16W	R5188	401 105 0504	MT-GLAZE 1K JA 1/16W
R4102	401 105 0504	MT-GLAZE 1K JA 1/16W	R5191	401 113 4402	MT-GLAZE 75 JA 1/16W
R4103	401 105 0504	MT-GLAZE 1K JA 1/16W	R5192	401 105 0504	MT-GLAZE 1K JA 1/16W
R4104	401 105 0405	MT-GLAZE 100 JA 1/16W	COIL		
R4105	401 105 0405	MT-GLAZE 100 JA 1/16W	L101	645 014 2659	FILTER, EMI 10MHZ
R4106	401 105 0405	MT-GLAZE 100 JA 1/16W	L102	645 014 2659	FILTER, EMI 10MHZ
R4108	401 105 0603	MT-GLAZE 10K JA 1/16W	L1101	645 004 1587	INDUCTOR, 4.7U J
R4109	401 105 0603	MT-GLAZE 10K JA 1/16W	L1104	645 026 1008	INDUCTOR, 3.3U M
R4110	401 105 0603	MT-GLAZE 10K JA 1/16W	L1131	645 026 1008	INDUCTOR, 3.3U M
R4111	401 105 0603	MT-GLAZE 10K JA 1/16W	L1151	645 044 3626	FILTER, LP 7MHZ
R4112	401 114 0502	MT-GLAZE 2.2M JA 1/16W	L1161	645 044 3626	FILTER, LP 7MHZ
R4113	401 105 0603	MT-GLAZE 10K JA 1/16W	L1162	645 021 1607	INDUCTOR, 10U J
R4116	401 105 0405	MT-GLAZE 100 JA 1/16W	L121	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R4117	401 105 0405	MT-GLAZE 100 JA 1/16W	L122	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R4118	401 105 0405	MT-GLAZE 100 JA 1/16W	L123	645 002 3910	FILTER, EMI 100MHZ
R4119	401 105 0900	MT-GLAZE 120 JA 1/16W	L124	645 002 3910	FILTER, EMI 100MHZ
R4122	401 105 0405	MT-GLAZE 100 JA 1/16W	L125	645 014 2659	FILTER, EMI 10MHZ
R4124	401 105 0405	MT-GLAZE 100 JA 1/16W	L131	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R4125	401 105 0405	MT-GLAZE 100 JA 1/16W	L132	645 002 3910	FILTER, EMI 100MHZ
R4126	401 217 4100	MT-GLAZE 22K FA 1/16W	L133	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R4127	401 105 1501	MT-GLAZE 1.5K JA 1/16W	L134	645 002 3910	FILTER, EMI 100MHZ
R4128	401 105 6001	MT-GLAZE 5.6K JA 1/16W	L161	645 044 3626	FILTER, LP 7MHZ
R4182	401 105 2805	MT-GLAZE 2.2K JA 1/16W	L2101	645 026 1008	INDUCTOR, 3.3U M
R4183	401 105 0504	MT-GLAZE 1K JA 1/16W	L2102	645 026 1008	INDUCTOR, 3.3U M
R4184	401 105 6001	MT-GLAZE 5.6K JA 1/16W	L2191	645 021 1614	INDUCTOR, 12U J
R4186	401 158 4108	MT-GLAZE 4.7 JA 1/16W	L5101	645 026 1008	INDUCTOR, 3.3U M
R4187	401 105 1907	MT-GLAZE 180 JA 1/16W	L5102	645 021 1713	INDUCTOR, 39U J
R4188	401 112 8005	MT-GLAZE 5.6 JA 1/16W	L5103	645 021 1706	INDUCTOR, 33U J
R4190	401 105 2904	MT-GLAZE 22K JA 1/16W	L5104	645 021 1737	INDUCTOR, 47U J
R4191	401 105 2805	MT-GLAZE 2.2K JA 1/16W	L5121	645 021 1713	INDUCTOR, 39U J
R4196	401 105 0504	MT-GLAZE 1K JA 1/16W	DIODE		
R4197	401 105 0504	MT-GLAZE 1K JA 1/16W	D101	407 187 8209	ZENER DIODE UDV12B-TE-17
R5100	401 105 2904	MT-GLAZE 22K JA 1/16W	D102	407 187 8209	ZENER DIODE UDV12B-TE-17
R5101	401 105 1709	MT-GLAZE 150K JA 1/16W	D103	407 187 8209	ZENER DIODE UDV12B-TE-17
R5102	401 105 0504	MT-GLAZE 1K JA 1/16W	D104	407 187 8209	ZENER DIODE UDV12B-TE-17
R5103	401 105 0702	MT-GLAZE 100K JA 1/16W	D1101	407 149 0807	DIODE 1SS355-TE-17
R5104	401 105 4205	MT-GLAZE 33K JA 1/16W	D1121	407 149 0807	DIODE 1SS355-TE-17
R5105	401 105 0702	MT-GLAZE 100K JA 1/16W	D121	407 209 1201	ZD UDZS-TE-176.2B
R5106	401 105 8005	MT-GLAZE 1M JA 1/16W	D122	407 209 1201	ZD UDZS-TE-176.2B
R5107	401 105 5905	MT-GLAZE 560 JA 1/16W	D123	407 209 1201	ZD UDZS-TE-176.2B
R5108	401 105 7305	MT-GLAZE 820 JA 1/16W	D124	407 209 1201	ZD UDZS-TE-176.2B
R5109	401 217 3905	MT-GLAZE 3.3K FA 1/16W	D125	407 187 8209	ZENER DIODE UDV12B-TE-17
R5110	401 105 8203	MT-GLAZE 68K JA 1/16W	D131	407 209 1201	ZD UDZS-TE-176.2B
R5111	401 217 3905	MT-GLAZE 3.3K FA 1/16W	D132	407 209 1201	ZD UDZS-TE-176.2B
R5113	401 105 1006	MT-GLAZE 1.2K JA 1/16W	D133	407 209 1201	ZD UDZS-TE-176.2B
R5116	401 105 7305	MT-GLAZE 820 JA 1/16W	D134	407 209 1201	ZD UDZS-TE-176.2B
R5117	401 105 7404	MT-GLAZE 8.2K JA 1/16W	D2140	407 206 6308	ZD UDZS-TE-175.1B
R5118	401 105 0504	MT-GLAZE 1K JA 1/16W	D3121	407 149 0807	DIODE 1SS355-TE-17
R5119	401 105 0603	MT-GLAZE 10K JA 1/16W	D3131	407 206 6308	ZD UDZS-TE-175.1B
R5120	401 105 4700	MT-GLAZE 39K JA 1/16W	D4181	407 149 0807	DIODE 1SS355-TE-17
R5121	401 105 0603	MT-GLAZE 10K JA 1/16W	D4182	407 149 0807	DIODE 1SS355-TE-17
R5122	401 105 7404	MT-GLAZE 8.2K JA 1/16W	D5101	407 216 7609	VARACTOR DI HVU17
R5123	401 105 0504	MT-GLAZE 1K JA 1/16W	MISCELLANEOUS		
R5124	401 105 0405	MT-GLAZE 100 JA 1/16W	TP141	645 036 5010	TERMINAL
R5125	401 105 0504	MT-GLAZE 1K JA 1/16W	TP142	645 036 5010	TERMINAL
R5126	401 105 0603	MT-GLAZE 10K JA 1/16W	TP3141	645 036 5010	TERMINAL
R5127	401 105 6506	MT-GLAZE 680 JA 1/16W	TP3142	645 036 5010	TERMINAL
R5128	401 105 0504	MT-GLAZE 1K JA 1/16W	TP5101	645 036 5010	TERMINAL
R5129	401 105 0603	MT-GLAZE 10K JA 1/16W	TP5102	645 036 5010	TERMINAL
R5130	401 105 2904	MT-GLAZE 22K JA 1/16W	TP5103	645 036 5010	TERMINAL
R5131	401 105 0504	MT-GLAZE 1K JA 1/16W	TP5181	645 036 5010	TERMINAL
R5132	401 105 0603	MT-GLAZE 10K JA 1/16W	TP5182	645 036 5010	TERMINAL
R5133	401 105 0405	MT-GLAZE 100 JA 1/16W	TP5183	645 036 5010	TERMINAL
R5134	401 105 0405	MT-GLAZE 100 JA 1/16W	K101	645 040 9974	JACK, RCA-2
R5135	401 105 0405	MT-GLAZE 100 JA 1/16W	K121	645 040 9967	SOCKET, DIN 4P
R5136	401 105 0405	MT-GLAZE 100 JA 1/16W	K131	645 031 6067	SOCKET, BNC 2P
R5137	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	K3101	645 041 6071	SOCKET, I/O 176P
R5138	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	K3101A	610 289 9795	JOINT GUIDE BUSH ML6A
R5139	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	K3101B	610 289 9795	JOINT GUIDE BUSH ML6A
R5140	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	X1101	645 028 5622	OSC, CRYSTAL 20.000MHZ
R5141	401 105 7909	MT-GLAZE 0.000 ZA 1/16W		645 028 5646	OSC, CRYSTAL 20.000MHZ
R5142	401 105 0504	MT-GLAZE 1K JA 1/16W	X3141	610 012 0532	OSC, CERAMIC 500.0KHZ
R5143	401 105 5202	MT-GLAZE 470 JA 1/16W	X3142	645 024 8788	OSC, CRYSTAL 3.579545MHZ
R5150	401 105 4700	MT-GLAZE 39K JA 1/16W		645 025 1108	OSC, CRYSTAL 3.579545MHZ
R5160	401 105 0504	MT-GLAZE 1K JA 1/16W	X3143	645 024 8801	OSC, CRYSTAL 4.433619MHZ
R5170	401 105 0504	MT-GLAZE 1K JA 1/16W		645 025 1122	OSC, CRYSTAL 4.433619MHZ
R5180	401 203 9904	MT-GLAZE 4.7K FA 1/16W	X3145	645 028 1372	OSC, CRYSTAL 3.575611MHZ
R5181	401 105 5905	MT-GLAZE 560 JA 1/16W	X3146	645 028 1365	OSC, CRYSTAL 3.582056MHZ
R5182	401 105 5905	MT-GLAZE 560 JA 1/16W	X5101	645 040 7819	OSC, CRYSTAL 17.734475MHZ
R5183	401 105 5905	MT-GLAZE 560 JA 1/16W			
R5184	401 113 4402	MT-GLAZE 75 JA 1/16W			
R5185	401 105 0504	MT-GLAZE 1K JA 1/16W			
R5187	401 113 4402	MT-GLAZE 75 JA 1/16W			

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description	
■ Assembly PWB MAIN						
610 305 0751 ASSY,PWB,MAIN MD7A						
TRANSISTOR						
Q1833	405 014 4509	TR 2SC2412K T146 R	Q5630	405 002 6706	TR 2SA1179-M6-TB	
	405 014 4608	TR 2SC2412K T146 S		405 002 6904	TR 2SA1179-M7-TB	
	405 015 8704	TR 2SC2812-L6-TB		405 163 1503	TR 2SA1179N-M6-TB	
	405 015 8902	TR 2SC2812-L7-TB		405 163 2708	TR 2SA1179N-M7-TB	
	405 163 1602	TR 2SC2812N-L6-TB0		405 173 9605	TR 2SA1235A1E	
	405 163 1701	TR 2SC2812N-L7-TB0		405 173 9704	TR 2SA1235A1F	
	405 173 9803	TR 2SC3928A1R		405 156 0209	TR 2SK2376	
	405 173 9902	TR 2SC3928A1S	Q5841	405 014 4509	TR 2SC2412K T146 R	
Q1834	405 014 4509	TR 2SC2412K T146 R		405 014 4608	TR 2SC2412K T146 S	
	405 014 4608	TR 2SC2412K T146 S		405 015 8704	TR 2SC2812-L6-TB	
	405 015 8704	TR 2SC2812-L6-TB		405 015 8902	TR 2SC2812-L7-TB	
	405 015 8902	TR 2SC2812-L7-TB		405 163 1602	TR 2SC2812N-L6-TB0	
	405 163 1602	TR 2SC2812N-L6-TB0		405 163 1701	TR 2SC2812N-L7-TB0	
	405 163 1701	TR 2SC2812N-L7-TB0		405 173 9803	TR 2SC3928A1R	
	405 173 9803	TR 2SC3928A1R		405 173 9902	TR 2SC3928A1S	
	405 173 9902	TR 2SC3928A1S	Q5851	405 014 4509	TR 2SC2412K T146 R	
Q1881	405 014 4509	TR 2SC2412K T146 R		405 014 4608	TR 2SC2412K T146 S	
	405 014 4608	TR 2SC2412K T146 S		405 015 8704	TR 2SC2812-L6-TB	
	405 015 8704	TR 2SC2812-L6-TB		405 015 8902	TR 2SC2812-L7-TB	
	405 015 8902	TR 2SC2812-L7-TB		405 163 1602	TR 2SC2812N-L6-TB0	
	405 163 1602	TR 2SC2812N-L6-TB0		405 163 1701	TR 2SC2812N-L7-TB0	
	405 163 1701	TR 2SC2812N-L7-TB0		405 173 9803	TR 2SC3928A1R	
	405 173 9803	TR 2SC3928A1R		405 173 9902	TR 2SC3928A1S	
	405 173 9902	TR 2SC3928A1S	Q9801	405 014 4509	TR 2SA1037AK-T146-R	
Q201	405 014 4509	TR 2SC2412K T146 R		405 147 2205	TR 2SA1037AK-S-T146	
	405 014 4608	TR 2SC2412K T146 S		405 002 0308	TR 2SA1037K T146 R	
	405 015 8704	TR 2SC2812-L6-TB		405 002 0407	TR 2SA1037K T146 S	
	405 015 8902	TR 2SC2812-L7-TB		405 002 6706	TR 2SA1179-M6-TB	
	405 163 1602	TR 2SC2812N-L6-TB0		405 002 6904	TR 2SA1179-M7-TB	
	405 163 1701	TR 2SC2812N-L7-TB0		405 163 1503	TR 2SA1179N-M6-TB	
	405 173 9803	TR 2SC3928A1R		405 163 2708	TR 2SA1179N-M7-TB	
	405 173 9902	TR 2SC3928A1S		405 173 9605	TR 2SA1235A1E	
	405 173 9704	TR 2SA1235A1F	INTEGRATED CIRCUIT			
Q211	405 014 4509	TR 2SC2412K T146 R	IC1302	409 301 5309	IC TC7S32FU-TE85L	
	405 014 4608	TR 2SC2412K T146 S	IC1311	409 339 3605	IC 24LC16BT/SN-T	
	405 015 8704	TR 2SC2812-L6-TB	IC1331	409 501 9107	IC ICS512MT	
	405 015 8902	TR 2SC2812-L7-TB	IC1341	409 501 9107	IC ICS512MT	
	405 163 1602	TR 2SC2812N-L6-TB0	IC1351	410 474 8103	IC MBM29LV800TA90C204S	
	405 163 1701	TR 2SC2812N-L7-TB0		410 474 8400	IC MBM29LV800TA90C204	
	405 173 9803	TR 2SC3928A1R	IC1352	410 352 8508	IC IDT71V016S15PHTR	
	405 173 9902	TR 2SC3928A1S		410 397 0406	IC IC61LV6416-15T	
Q221	405 014 4509	TR 2SC2412K T146 R	IC1362	409 534 1703	IC SI-3025LSA-TL	
	405 014 4608	TR 2SC2412K T146 S	IC1801	409 475 3705	IC M66500FP	
	405 015 8704	TR 2SC2812-L6-TB	IC1811	409 339 3605	IC 24LC16BT/SN-T	
	405 015 8902	TR 2SC2812-L7-TB	IC1821	410 364 6905	IC TC74ACT138FT-EL	
	405 163 1602	TR 2SC2812N-L6-TB0	IC1822	410 367 1402	IC SN74LVC374APW	
	405 163 1701	TR 2SC2812N-L7-TB0	IC1823	409 510 2403	IC TC74AC139FT	
	405 173 9803	TR 2SC3928A1R	IC1824	409 301 5309	IC TC7S32FU-TE85L	
	405 173 9902	TR 2SC3928A1S	IC1851	409 421 8808	IC M62420FP	
Q271	405 014 4509	TR 2SC2412K T146 R	IC1871	409 390 6201	IC EL2244CS	
	405 014 4608	TR 2SC2412K T146 S	IC1881	410 315 5506	IC HD74HCT244TV	
	405 015 8704	TR 2SC2812-L6-TB		410 356 7507	IC SN74HCT244PWR	
	405 015 8902	TR 2SC2812-L7-TB	IC201	409 461 7304	IC AD8057ART	
	405 163 1602	TR 2SC2812N-L6-TB0	IC211	409 461 7304	IC AD8057ART	
	405 163 1701	TR 2SC2812N-L7-TB0	IC2201	409 530 5002	IC AD9888KS-170	
	405 173 9803	TR 2SC3928A1R	IC221	409 461 7304	IC AD8057ART	
	405 173 9902	TR 2SC3928A1S	IC2251	409 416 6406	IC BA033FP-E2	
Q295	405 014 4509	TR 2SC2412K T146 R		409 410 1001	IC UPC2933T-E1	
	405 014 4608	TR 2SC2412K T146 S	IC2261	409 490 8006	IC CXA2151Q	
	405 015 8704	TR 2SC2812-L6-TB	IC2291	409 416 6505	IC BA05FP-E2	
	405 015 8902	TR 2SC2812-L7-TB	IC2301	410 413 0700	IC XC2S200-5FG256C	
	405 163 1602	TR 2SC2812N-L6-TB0	IC2302	409 534 1703	IC SI-3025LSA-TL	
	405 163 1701	TR 2SC2812N-L7-TB0	IC2401	410 376 3404	IC XC2S100-5 PQ208C	
	405 173 9803	TR 2SC3928A1R		410 388 2105	IC XC2S100-5 PQ208CES	
	405 173 9902	TR 2SC3928A1S	IC2404	410 325 4605	IC TC74LCX244FT	
Q4861	405 014 4509	TR 2SC2412K T146 R		410 325 4704	IC HD74LVC244AT	
	405 014 4608	TR 2SC2412K T146 S	IC2405	409 534 1703	IC SI-3025LSA-TL	
	405 015 8704	TR 2SC2812-L6-TB	IC2541	409 481 8602	IC LM76CHMX-5	
	405 015 8902	TR 2SC2812-L7-TB	IC2545	409 534 1703	IC SI-3025LSA-TL	
	405 163 1701	TR 2SC2812N-L7-TB0	IC2561	409 390 0001	IC LM7171AIMX	
	405 173 9803	TR 2SC3928A1R		409 486 7709	IC LM7171BIMX	
	405 173 9902	TR 2SC3928A1S	IC2571	409 390 0001	IC LM7171AIMX	
	405 014 4509	TR 2SC2412K T146 R		409 486 7709	IC LM7171BIMX	
	405 014 4608	TR 2SC2412K T146 S	IC2581	409 390 0001	IC LM7171AIMX	
	405 015 8704	TR 2SC2812-L6-TB		409 486 7709	IC LM7171BIMX	
	405 015 8902	TR 2SC2812-L7-TB	IC2591	409 390 0001	IC LM7171AIMX	
	405 163 1602	TR 2SC2812N-L6-TB0		409 486 7709	IC LM7171BIMX	
	405 163 1701	TR 2SC2812N-L7-TB0	IC281	409 357 6602	IC LT1260CS	
	405 173 9803	TR 2SC3928A1R		IC301	409 502 4903	IC PW365-20U
	405 173 9902	TR 2SC3928A1S		IC3351	409 419 3709	IC MC10H351ML1
Q4862	405 134 5905	TR 2SA1037AK-T146-R		IC3401	410 403 4305	IC EP1K100QC208-2
	405 147 2205	TR 2SA1037AK-S-T146		IC3402	409 534 1703	IC SI-3025LSA-TL
	405 002 0308	TR 2SA1037K T146 R				
	405 002 0407	TR 2SA1037K T146 S				

Electrical Parts List

Ref. No.	Part No.	Description			Ref. No.	Part No.	Description		
IC3561	409 422 5806	IC M62398FP			C1367	403 280 0508	ELECT	470U M	4V
IC401	409 530 5101	IC CXD3511AQ			C1368	403 164 0204	CERAMIC	0.1U Z	25V
IC406	410 315 5506	IC HD74HCT244TV			C1376	403 164 0204	CERAMIC	0.1U Z	25V
	410 356 7507	IC SN74HCT244PWR			C1377	403 164 0204	CERAMIC	0.1U Z	25V
IC407	410 315 5506	IC HD74HCT244TV			C1508	403 164 0204	CERAMIC	0.1U Z	25V
	410 356 7507	IC SN74HCT244PWR			C1509	403 164 0204	CERAMIC	0.1U Z	25V
IC408	410 315 5506	IC HD74HCT244TV			C1533	403 164 0204	CERAMIC	0.1U Z	25V
IC4201	410 426 8106	IC TC240C4FTB-C006(O)			C1538	403 164 0204	CERAMIC	0.1U Z	25V
IC4231	409 444 8700	IC ICS1523M-ER			C1539	403 164 0204	CERAMIC	0.1U Z	25V
IC4251	409 534 1703	IC SI-3025LSA-TL			C1563	403 164 0204	CERAMIC	0.1U Z	25V
IC4252	410 351 4808	IC LT1587CM-3.3			C1568	403 164 0204	CERAMIC	0.1U Z	25V
IC4261	410 401 7506	IC TC74VCX16374FT			C1569	403 164 0204	CERAMIC	0.1U Z	25V
IC4271	410 401 7506	IC TC74VCX16374FT			C1801	403 164 0204	CERAMIC	0.1U Z	25V
IC4281	410 401 7506	IC TC74VCX16374FT			C1802	403 164 0204	CERAMIC	0.1U Z	25V
IC4291	410 401 7407	IC TC74VCX244FT			C1803	403 164 0204	CERAMIC	0.1U Z	25V
IC4292	409 489 5009	IC TC74VCX04FT			C1804	403 280 0805	ELECT	330U M	6.3V
IC4811	410 325 4605	IC TC74LCX244FT			C1811	403 164 0204	CERAMIC	0.1U Z	25V
	410 325 4704	IC HD74LVC244AT			C1821	403 164 0204	CERAMIC	0.1U Z	25V
IC4821	410 325 4605	IC TC74LCX244FT			C1822	403 164 0204	CERAMIC	0.1U Z	25V
	410 325 4704	IC HD74LVC244AT			C1823	403 164 0204	CERAMIC	0.1U Z	25V
IC4831	410 325 4605	IC TC74LCX244FT			C1824	403 164 0204	CERAMIC	0.1U Z	25V
	410 325 4704	IC HD74LVC244AT			C1850	403 280 1604	ELECT	220U M	16V
IC4832	410 325 4605	IC TC74LCX244FT			C1851	403 267 0606	NP-ELECT	4.7U M	16V
	410 325 4704	IC HD74LVC244AT			C1852	403 280 1604	ELECT	220U M	16V
IC4841	410 362 6600	IC TC74ACT541FT			C1853	403 215 2904	CERAMIC	0.022U K	25V
IC4842	410 362 6600	IC TC74ACT541FT			C1854	403 272 5603	CERAMIC	0.033U K	16V
IC4851	409 330 2508	IC TC7SH04FU-(TE85L)			C1856	403 348 5803	CERAMIC	0.47U K	10V
IC4855	410 356 7903	IC SN74AHC1G08HDCKR			C1857	403 149 9208	CERAMIC	0.01U Z	50V
IC4861	409 416 6505	IC BA05FP-E2			C1858	403 280 1604	ELECT	220U M	16V
IC4871	410 325 4605	IC TC74LCX244FT			C1859	403 164 0204	CERAMIC	0.1U Z	25V
	410 325 4704	IC HD74LVC244AT			C1861	403 272 5603	CERAMIC	0.033U K	16V
IC4881	410 325 4605	IC TC74LCX244FT			C1862	403 348 5803	CERAMIC	0.47U K	10V
	410 325 4704	IC HD74LVC244AT			C1863	403 215 2904	CERAMIC	0.022U K	25V
IC501	409 520 3100	IC CXA3562AR			C1864	403 280 1604	ELECT	220U M	16V
IC531	409 520 3100	IC CXA3562AR			C1865	403 164 0204	CERAMIC	0.1U Z	25V
IC561	409 520 3100	IC CXA3562AR			C1866	403 280 1604	ELECT	220U M	16V
IC5631	409 461 7809	IC PQ20WZ11			C1867	403 267 0606	NP-ELECT	4.7U M	16V
IC5641	409 461 7809	IC PQ20WZ11			C1871	403 157 1904	CERAMIC	10P D	50V
IC5651	409 461 7809	IC PQ20WZ11			C1872	403 348 5803	CERAMIC	0.47U K	10V
IC6301	410 365 4603	IC MS82V16520-8AGA			C1873	403 157 1904	CERAMIC	10P D	50V
IC6321	410 365 4603	IC MS82V16520-8AGA			C1881	403 164 0204	CERAMIC	0.1U Z	25V
IC6341	410 365 4603	IC MS82V16520-8AGA			C1893	403 164 0204	CERAMIC	0.1U Z	25V
IC6361	410 365 4603	IC MS82V16520-8AGA			C1894	403 164 0204	CERAMIC	0.1U Z	25V
IC801	410 437 4500	IC HD64F7045F28-C013-S			C1895	403 164 0204	CERAMIC	0.1U Z	25V
	410 437 5002	IC HD64F7045F28-C013			C202	403 164 0204	CERAMIC	0.1U Z	25V
IC802	409 344 1900	IC MN1382-Q-TX			C205	403 157 1904	CERAMIC	10P D	50V
IC8201	410 321 8300	IC TC74VCX16244FT			C206	403 164 0204	CERAMIC	0.1U Z	25V
IC8211	410 321 8300	IC TC74VCX16244FT			C207	403 267 0804	NP-ELECT	47U M	6.3V
IC8221	410 321 8300	IC TC74VCX16244FT			C209	403 155 1500	CERAMIC	180P J	50V
IC8251	410 401 7407	IC TC74VCX244FT			C211	403 157 1904	CERAMIC	10P D	50V
IC8252	409 330 2508	IC TC7SH04FU-(TE85L)			C214	403 157 1706	CERAMIC	8P D	50V
IC8253	409 439 8906	IC TC7WH125FU			C215	403 157 1706	CERAMIC	8P D	50V
IC8254	409 330 2508	IC TC7SH04FU-(TE85L)			C216	403 157 1706	CERAMIC	8P D	50V
IC8261	410 337 0602	IC HD74LVC14T			C217	403 267 0804	NP-ELECT	47U M	6.3V
IC8271	409 522 7502	IC TC7SA08FU			C219	403 155 1500	CERAMIC	180P J	50V
IC871	410 473 5806	IC MBM29LV160BE-90-C190-S			C2201	403 280 0508	ELECT	470U M	4V
	410 473 6100	IC MBM29LV160BE-90-C190			C2202	403 164 0204	CERAMIC	0.1U Z	25V
IC872	410 365 5600	IC SN74LVCC4245APWR			C2203	403 164 0204	CERAMIC	0.1U Z	25V
IC873	410 365 5600	IC SN74LVCC4245APWR			C2204	401 105 0306	MT-GLAZE	10 JA	1/16W
IC874	410 315 5506	IC HD74HCT244TV			C2205	403 283 6309	CERAMIC	1U Z	10V
	410 356 7507	IC SN74HCT244PWR			C2206	403 164 0204	CERAMIC	0.1U Z	25V
IC875	410 315 5506	IC HD74HCT244TV			C2207	403 164 0204	CERAMIC	0.1U Z	25V
	410 356 7507	IC SN74HCT244PWR			C2208	403 283 6309	CERAMIC	1U Z	10V
IC876	410 315 5506	IC HD74HCT244TV			C2209	403 164 0204	CERAMIC	0.1U Z	25V
	410 356 7507	IC SN74HCT244PWR			C2211	403 157 1904	CERAMIC	10P D	50V
IC887	409 461 7304	IC AD8057ART			C2211	401 105 0306	MT-GLAZE	10 JA	1/16W
IC892	410 367 1501	IC M5M51008CFP-70HI			C2212	403 283 6309	CERAMIC	1U Z	10V
	410 415 5208	IC M5M51008DFP-70HI			C2213	403 164 0204	CERAMIC	0.1U Z	25V
IC893	409 330 2508	IC TC7SH04FU-(TE85L)			C2214	403 164 0204	CERAMIC	0.1U Z	25V
	410 356 7606	IC SN74AHC1G04HDCKR			C2215	403 283 6309	CERAMIC	1U Z	10V
IC9801	409 468 8908	IC ML60851CTB			C2216	401 105 0306	MT-GLAZE	10 JA	1/16W
	409 521 4502	IC ML60851DTB			C2217	403 283 6309	CERAMIC	1U Z	10V
CAPACITOR					C2218	403 164 0204	CERAMIC	0.1U Z	25V
C1311	403 280 0508	ELECT	470U M	4V	C2219	403 283 6309	CERAMIC	1U Z	10V
C1312	403 164 0204	CERAMIC	0.1U Z	25V	C2221	403 283 6309	CERAMIC	1U Z	10V
C1331	403 157 6602	CERAMIC	470P K	50V	C2222	403 283 6309	CERAMIC	1U Z	10V
C1332	403 149 9208	CERAMIC	0.01U Z	50V	C2223	403 283 6309	CERAMIC	1U Z	10V
C1341	403 157 6602	CERAMIC	470P K	50V	C2224	403 283 6309	CERAMIC	1U Z	10V
C1342	403 149 9208	CERAMIC	0.01U Z	50V	C2225	403 283 6309	CERAMIC	1U Z	10V
C1351	403 280 0508	ELECT	470U M	4V	C2226	403 157 7203	CERAMIC	3900P K	50V
C1352	403 164 0204	CERAMIC	0.1U Z	25V	C2227	403 306 5401	CERAMIC	0.039U K	16V
C1354	403 164 0204	CERAMIC	0.1U Z	25V	C2228	403 283 6309	CERAMIC	1U Z	10V
C1365	403 280 0508	ELECT	470U M	4V	C2229	403 283 6309	CERAMIC	1U Z	10V

Electrical Parts List

Ref. No.	Part No.	Description			Ref. No.	Part No.	Description		
C2231	403 283 6309	CERAMIC	1U Z	10V	C2424	403 164 0204	CERAMIC	0.1U Z	25V
C2232	403 283 6309	CERAMIC	1U Z	10V	C2428	403 164 0204	CERAMIC	0.1U Z	25V
C2233	403 283 6309	CERAMIC	1U Z	10V	C2429	403 164 0204	CERAMIC	0.1U Z	25V
C2234	403 283 6309	CERAMIC	1U Z	10V	C2473	403 304 2105	ELECT	47U M	6.3V
C2235	403 283 6309	CERAMIC	1U Z	10V	C2487	403 280 0508	ELECT	470U M	4V
C2236	403 283 6309	CERAMIC	1U Z	10V	C2488	403 164 0204	CERAMIC	0.1U Z	25V
C2237	403 283 6309	CERAMIC	1U Z	10V	C2491	403 164 0204	CERAMIC	0.1U Z	25V
C2238	403 157 6602	CERAMIC	470P K	50V	C2501	403 280 1604	ELECT	220U M	16V
C2251	403 164 0204	CERAMIC	0.1U Z	25V	C2502	403 164 0204	CERAMIC	0.1U Z	25V
C2252	403 164 0204	CERAMIC	0.1U Z	25V	C2503	403 280 1604	ELECT	220U M	16V
C2253	403 304 1801	ELECT	100U M	6.3V	C2504	403 164 0204	CERAMIC	0.1U Z	25V
	403 373 7704	ELECT	100U M	6.3V	C2505	403 164 0204	CERAMIC	0.1U Z	25V
C2254	403 164 0204	CERAMIC	0.1U Z	25V	C2506	403 164 0204	CERAMIC	0.1U Z	25V
C2255	403 304 1801	ELECT	100U M	6.3V	C2511	403 164 0204	CERAMIC	0.1U Z	25V
	403 373 7704	ELECT	100U M	6.3V	C2514	403 164 0204	CERAMIC	0.1U Z	25V
C2256	403 164 0204	CERAMIC	0.1U Z	25V	C2515	403 164 0204	CERAMIC	0.1U Z	25V
C2257	403 304 1801	ELECT	100U M	6.3V	C2516	403 164 0204	CERAMIC	0.1U Z	25V
	403 373 7704	ELECT	100U M	6.3V	C2520	403 280 1604	ELECT	220U M	16V
C2260	403 348 5803	CERAMIC	0.47U K	10V	C2521	403 164 0204	CERAMIC	0.1U Z	25V
C2262	403 348 5803	CERAMIC	0.47U K	10V	C2522	403 280 1604	ELECT	220U M	16V
C2263	403 164 0204	CERAMIC	0.1U Z	25V	C2524	403 164 0204	CERAMIC	0.1U Z	25V
C2264	403 304 1801	ELECT	100U M	6.3V	C2525	403 164 0204	CERAMIC	0.1U Z	25V
	403 373 7704	ELECT	100U M	6.3V	C2526	403 164 0204	CERAMIC	0.1U Z	25V
C2265	403 348 5803	CERAMIC	0.47U K	10V	C2530	403 280 1604	ELECT	220U M	16V
C2266	403 348 5803	CERAMIC	0.47U K	10V	C2531	403 164 0204	CERAMIC	0.1U Z	25V
C2267	403 348 5803	CERAMIC	0.47U K	10V	C2532	403 280 1604	ELECT	220U M	16V
C2268	403 348 5803	CERAMIC	0.47U K	10V	C2534	403 164 0204	CERAMIC	0.1U Z	25V
C2269	403 348 5803	CERAMIC	0.47U K	10V	C2541	403 164 0204	CERAMIC	0.1U Z	25V
C2277	403 267 0804	NP-ELECT	47U M	6.3V	C2545	403 280 0508	ELECT	470U M	4V
C2271	403 348 5803	CERAMIC	0.47U K	10V	C2546	403 164 0204	CERAMIC	0.1U Z	25V
C2272	403 348 5803	CERAMIC	0.47U K	10V	C2563	403 157 1904	CERAMIC	10P D	50V
C2273	403 348 5803	CERAMIC	0.47U K	10V	C2573	403 157 1904	CERAMIC	10P D	50V
C2274	403 348 5803	CERAMIC	0.47U K	10V	C2583	403 157 1904	CERAMIC	10P D	50V
C2275	403 348 5803	CERAMIC	0.47U K	10V	C2593	403 157 1904	CERAMIC	10P D	50V
C2276	403 348 5803	CERAMIC	0.47U K	10V	C281	403 164 0204	CERAMIC	0.1U Z	25V
C2277	403 348 5803	CERAMIC	0.47U K	10V	C282	403 164 0204	CERAMIC	0.1U Z	25V
C2278	403 348 5803	CERAMIC	0.47U K	10V	C283	403 175 4505	ELECT	47U M	6.3V
C2279	403 348 5803	CERAMIC	0.47U K	10V	C284	403 164 0204	CERAMIC	0.1U Z	25V
C2281	403 348 5803	CERAMIC	0.47U K	10V	C285	403 164 0204	CERAMIC	0.1U Z	25V
C2282	403 164 0204	CERAMIC	0.1U Z	25V	C286	403 175 4505	ELECT	47U M	6.3V
C2284	403 348 5803	CERAMIC	0.47U K	10V	C287	403 164 0204	CERAMIC	0.1U Z	25V
C2285	403 348 5803	CERAMIC	0.47U K	10V	C288	403 175 4505	ELECT	47U M	6.3V
C2286	403 348 5803	CERAMIC	0.47U K	10V	C311	403 280 0508	ELECT	470U M	4V
C2287	403 155 4204	CERAMIC	15P J	50V	C312	403 164 0204	CERAMIC	0.1U Z	25V
C2288	403 348 5803	CERAMIC	0.47U K	10V	C313	403 280 0508	ELECT	470U M	4V
C2289	403 215 2201	CERAMIC	0.01U K	50V	C314	403 164 0204	CERAMIC	0.1U Z	25V
C2290	403 155 1500	CERAMIC	180P J	50V	C315	403 164 0204	CERAMIC	0.1U Z	25V
C2290	403 298 9609	CERAMIC	0.1U K	16V	C316	403 164 0204	CERAMIC	0.1U Z	25V
C2291	403 304 1801	ELECT	100U M	6.3V	C317	403 164 0204	CERAMIC	0.1U Z	25V
	403 373 7704	ELECT	100U M	6.3V	C318	403 164 0204	CERAMIC	0.1U Z	25V
C2292	403 164 0204	CERAMIC	0.1U Z	25V	C319	403 164 0204	CERAMIC	0.1U Z	25V
C2301	403 164 0204	CERAMIC	0.1U Z	25V	C321	403 164 0204	CERAMIC	0.1U Z	25V
C2302	403 164 0204	CERAMIC	0.1U Z	25V	C3262	403 164 0204	CERAMIC	0.1U Z	25V
C2303	403 164 0204	CERAMIC	0.1U Z	25V	C3351	403 164 0204	CERAMIC	0.1U Z	25V
C2304	403 164 0204	CERAMIC	0.1U Z	25V	C3352	403 304 1801	ELECT	100U M	6.3V
C2305	403 164 0204	CERAMIC	0.1U Z	25V		403 373 7704	ELECT	100U M	6.3V
C2306	403 164 0204	CERAMIC	0.1U Z	25V	C3401	403 280 0508	ELECT	470U M	4V
C2307	403 164 0204	CERAMIC	0.1U Z	25V	C3402	403 164 0204	CERAMIC	0.1U Z	25V
C2308	403 164 0204	CERAMIC	0.1U Z	25V	C3403	403 280 0508	ELECT	470U M	4V
C2310	403 139 7702	CERAMIC	7P D	50V	C3404	403 164 0204	CERAMIC	0.1U Z	25V
C2311	403 164 0204	CERAMIC	0.1U Z	25V	C3405	403 164 0204	CERAMIC	0.1U Z	25V
C2312	403 280 0508	ELECT	470U M	4V	C3406	403 280 0508	ELECT	470U M	4V
C2313	403 280 0508	ELECT	470U M	4V	C3407	403 164 0204	CERAMIC	0.1U Z	25V
C2315	403 280 0508	ELECT	470U M	4V	C3410	403 164 0204	CERAMIC	0.1U Z	25V
C2316	403 164 0204	CERAMIC	0.1U Z	25V	C3411	403 164 0204	CERAMIC	0.1U Z	25V
C233	403 304 1801	ELECT	100U M	6.3V	C3414	403 164 0204	CERAMIC	0.1U Z	25V
	403 373 7704	ELECT	100U M	6.3V	C3415	403 164 0204	CERAMIC	0.1U Z	25V
C235	403 304 1801	ELECT	100U M	6.3V	C3416	403 164 0204	CERAMIC	0.1U Z	25V
	403 373 7704	ELECT	100U M	6.3V	C3417	403 164 0204	CERAMIC	0.1U Z	25V
C2401	403 280 0508	ELECT	470U M	4V	C3421	403 164 0204	CERAMIC	0.1U Z	25V
C2402	403 164 0204	CERAMIC	0.1U Z	25V	C3425	403 164 0204	CERAMIC	0.1U Z	25V
C2403	403 280 0508	ELECT	470U M	4V	C3427	403 164 0204	CERAMIC	0.1U Z	25V
C2404	403 164 0204	CERAMIC	0.1U Z	25V	C3428	403 164 0204	CERAMIC	0.1U Z	25V
C2406	403 164 0204	CERAMIC	0.1U Z	25V	C3431	403 164 0204	CERAMIC	0.1U Z	25V
C2407	403 164 0204	CERAMIC	0.1U Z	25V	C3432	403 164 0204	CERAMIC	0.1U Z	25V
C2408	403 164 0204	CERAMIC	0.1U Z	25V	C3433	403 164 0204	CERAMIC	0.1U Z	25V
C2409	403 164 0204	CERAMIC	0.1U Z	25V	C3522	403 280 0805	ELECT	330U M	6.3V
C2413	403 164 0204	CERAMIC	0.1U Z	25V	C3561	403 164 0204	CERAMIC	0.1U Z	25V
C2414	403 164 0204	CERAMIC	0.1U Z	25V	C3562	403 304 1801	ELECT	100U M	6.3V
C2417	403 164 0204	CERAMIC	0.1U Z	25V		403 373 7704	ELECT	100U M	6.3V
C2419	403 164 0204	CERAMIC	0.1U Z	25V	C3563	403 113 3805	CERAMIC	1000P K	50V
C2421	403 164 0204	CERAMIC	0.1U Z	25V	C3564	403 164 0204	CERAMIC	0.1U Z	25V
C2423	403 164 0204	CERAMIC	0.1U Z	25V	C400	403 164 0204	CERAMIC	0.1U Z	25V

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C401	403 280 0508	ELECT	470U M	4V	
C402	403 164 0204	CERAMIC	0.1U Z	25V	
C403	403 280 0508	ELECT	470U M	4V	
C404	403 164 0204	CERAMIC	0.1U Z	25V	
C405	403 113 3805	CERAMIC	1000P K	50V	
C406	403 164 0204	CERAMIC	0.1U Z	25V	
C409	403 164 0204	CERAMIC	0.1U Z	25V	
C410	403 348 5803	CERAMIC	0.47U K	10V	
C412	403 164 0204	CERAMIC	0.1U Z	25V	
C413	403 164 0204	CERAMIC	0.1U Z	25V	
C415	403 113 3805	CERAMIC	1000P K	50V	
C416	403 164 0204	CERAMIC	0.1U Z	25V	
C419	403 113 3805	CERAMIC	1000P K	50V	
C420	403 164 0204	CERAMIC	0.1U Z	25V	
C4201	403 164 0204	CERAMIC	0.1U Z	25V	
C4202	403 164 0204	CERAMIC	0.1U Z	25V	
C4203	403 164 0204	CERAMIC	0.1U Z	25V	
C4204	403 164 0204	CERAMIC	0.1U Z	25V	
C4206	403 164 0204	CERAMIC	0.1U Z	25V	
C4207	403 164 0204	CERAMIC	0.1U Z	25V	
C4208	403 164 0204	CERAMIC	0.1U Z	25V	
C4209	403 164 0204	CERAMIC	0.1U Z	25V	
C421	403 164 0204	CERAMIC	0.1U Z	25V	
C4211	403 164 0204	CERAMIC	0.1U Z	25V	
C4212	403 164 0204	CERAMIC	0.1U Z	25V	
C4213	403 164 0204	CERAMIC	0.1U Z	25V	
C4214	403 164 0204	CERAMIC	0.1U Z	25V	
C4216	403 164 0204	CERAMIC	0.1U Z	25V	
C4217	403 164 0204	CERAMIC	0.1U Z	25V	
C4218	403 164 0204	CERAMIC	0.1U Z	25V	
C4219	403 164 0204	CERAMIC	0.1U Z	25V	
C4221	403 304 1801	ELECT	100U M	6.3V	
	403 373 7704	ELECT	100U M	6.3V	
C4222	403 164 0204	CERAMIC	0.1U Z	25V	
C4223	403 164 0204	CERAMIC	0.1U Z	25V	
C4231	403 304 2105	ELECT	47U M	6.3V	
C4232	403 164 0204	CERAMIC	0.1U Z	25V	
C4233	403 304 2105	ELECT	47U M	6.3V	
C4234	403 164 0204	CERAMIC	0.1U Z	25V	
C4236	403 155 1609	CERAMIC	33P J	50V	
C4237	403 157 7302	CERAMIC	6800P K	50V	
C4238	403 304 2105	ELECT	47U M	6.3V	
C4239	403 164 0204	CERAMIC	0.1U Z	25V	
C4241	403 164 0204	CERAMIC	0.1U Z	25V	
C4242	403 164 0204	CERAMIC	0.1U Z	25V	
C4251	403 304 1801	ELECT	100U M	6.3V	
	403 373 7704	ELECT	100U M	6.3V	
C4252	403 164 0204	CERAMIC	0.1U Z	25V	
C4253	403 304 1801	ELECT	100U M	6.3V	
	403 373 7704	ELECT	100U M	6.3V	
C4254	403 164 0204	CERAMIC	0.1U Z	25V	
C4256	403 280 0805	ELECT	330U M	6.3V	
C4257	403 164 0204	CERAMIC	0.1U Z	25V	
C4258	403 164 0204	CERAMIC	0.1U Z	25V	
C426	403 113 3805	CERAMIC	1000P K	50V	
C4261	403 304 1801	ELECT	100U M	6.3V	
	403 373 7704	ELECT	100U M	6.3V	
C4262	403 164 0204	CERAMIC	0.1U Z	25V	
C4263	403 164 0204	CERAMIC	0.1U Z	25V	
C427	403 113 3805	CERAMIC	1000P K	50V	
C4272	403 164 0204	CERAMIC	0.1U Z	25V	
C4273	403 164 0204	CERAMIC	0.1U Z	25V	
C4282	403 164 0204	CERAMIC	0.1U Z	25V	
C4283	403 164 0204	CERAMIC	0.1U Z	25V	
C4291	403 164 0204	CERAMIC	0.1U Z	25V	
C434	403 113 3805	CERAMIC	1000P K	50V	
C440	403 348 5803	CERAMIC	0.47U K	10V	
C445	403 164 0204	CERAMIC	0.1U Z	25V	
C446	403 164 0204	CERAMIC	0.1U Z	25V	
C447	403 164 0204	CERAMIC	0.1U Z	25V	
C456	403 164 0204	CERAMIC	0.1U Z	25V	
C457	403 113 3805	CERAMIC	1000P K	50V	
C458	403 164 0204	CERAMIC	0.1U Z	25V	
C461	403 164 0204	CERAMIC	0.1U Z	25V	
C463	403 164 0204	CERAMIC	0.1U Z	25V	
C464	403 113 3805	CERAMIC	1000P K	50V	
C465	403 164 0204	CERAMIC	0.1U Z	25V	
C471	403 113 3805	CERAMIC	1000P K	50V	
C474	403 164 0204	CERAMIC	0.1U Z	25V	
C477	403 164 0204	CERAMIC	0.1U Z	25V	
C4801	403 164 0204	CERAMIC	0.1U Z	25V	
C481	403 164 0204	CERAMIC	0.1U Z	25V	
C4811	403 164 0204	CERAMIC	0.1U Z	25V	
C4821	403 164 0204	CERAMIC	0.1U Z	25V	
C4831	403 164 0204	CERAMIC	0.1U Z	25V	
C4832	403 164 0204	CERAMIC	0.1U Z	25V	
C4842	403 164 0204	CERAMIC	0.1U Z	25V	
C4851	403 164 0204	CERAMIC	0.1U Z	25V	
C4855	403 164 0204	CERAMIC	0.1U Z	25V	
C4861	403 164 0204	CERAMIC	0.1U Z	25V	
C4862	403 280 0805	ELECT	330U M	6.3V	
C4871	403 164 0204	CERAMIC	0.1U Z	25V	
C4881	403 164 0204	CERAMIC	0.1U Z	25V	
C501	403 280 1604	ELECT	220U M	16V	
C502	403 164 0204	CERAMIC	0.1U Z	25V	
C504	403 280 0805	ELECT	330U M	6.3V	
C505	403 164 0204	CERAMIC	0.1U Z	25V	
C506	403 164 0204	CERAMIC	0.1U Z	25V	
C507	403 164 0204	CERAMIC	0.1U Z	25V	
C508	403 323 1301	CERAMIC	0.47U Z	10V	
C509	403 323 1301	CERAMIC	0.47U Z	10V	
C510	403 323 1301	CERAMIC	0.47U Z	10V	
C511	403 341 7507	ELECT	100U M	25V	
C512	403 164 0204	CERAMIC	0.1U Z	25V	
C531	403 280 1604	ELECT	220U M	16V	
C532	403 164 0204	CERAMIC	0.1U Z	25V	
C534	403 280 0805	ELECT	330U M	6.3V	
C535	403 164 0204	CERAMIC	0.1U Z	25V	
C536	403 164 0204	CERAMIC	0.1U Z	25V	
C537	403 164 0204	CERAMIC	0.1U Z	25V	
C538	403 323 1301	CERAMIC	0.47U Z	10V	
C539	403 323 1301	CERAMIC	0.47U Z	10V	
C540	403 323 1301	CERAMIC	0.47U Z	10V	
C541	403 341 7507	ELECT	100U M	25V	
C542	403 164 0204	CERAMIC	0.1U Z	25V	
C561	403 280 1604	ELECT	220U M	16V	
C562	403 164 0204	CERAMIC	0.1U Z	25V	
C5631	403 164 0204	CERAMIC	0.1U Z	25V	
C5632	403 341 7507	ELECT	100U M	25V	
C564	403 280 0805	ELECT	330U M	6.3V	
C5641	403 341 7507	ELECT	100U M	25V	
C5642	403 164 0204	CERAMIC	0.1U Z	25V	
C565	403 164 0204	CERAMIC	0.1U Z	25V	
C5651	403 341 7507	ELECT	100U M	25V	
C5652	403 164 0204	CERAMIC	0.1U Z	25V	
C566	403 164 0204	CERAMIC	0.1U Z	25V	
C567	403 164 0204	CERAMIC	0.1U Z	25V	
C568	403 323 1301	CERAMIC	0.47U Z	10V	
C569	403 323 1301	CERAMIC	0.47U Z	10V	
C570	403 323 1301	CERAMIC	0.47U Z	10V	
C571	403 341 7507	ELECT	100U M	25V	
C572	403 164 0204	CERAMIC	0.1U Z	25V	
C5811	403 164 0204	CERAMIC	0.1U Z	25V	
C5812	403 164 0204	CERAMIC	0.1U Z	25V	
C5813	403 164 0204	CERAMIC	0.1U Z	25V	
C5837	403 341 7507	ELECT	100U M	25V	
C5853	403 164 0204	CERAMIC	0.1U Z	25V	
C5864	403 164 0204	CERAMIC	0.1U Z	25V	
C5865	403 341 7507	ELECT	100U M	25V	
C5866	403 341 7507	ELECT	100U M	25V	
C5867	403 164 0204	CERAMIC	0.1U Z	25V	
C5875	403 164 0204	CERAMIC	0.1U Z	25V	
C5876	403 164 0204	CERAMIC	0.1U Z	25V	
C6300	403 164 0204	CERAMIC	0.1U Z	25V	
C6301	403 304 1801	ELECT	100U M	6.3V	
	403 373 7704	ELECT	100U M	6.3V	
C6303	403 113 3805	CERAMIC	1000P K	50V	
C6304	403 113 3805	CERAMIC	1000P K	50V	
C6307	403 164 0204	CERAMIC	0.1U Z	25V	
C6309	403 164 0204	CERAMIC	0.1U Z	25V	
C6311	403 113 3805	CERAMIC	1000P K	50V	
C6312	403 164 0204	CERAMIC	0.1U Z	25V	
C6313	403 113 3805	CERAMIC	1000P K	50V	
C6323	403 113 3805	CERAMIC	1000P K	50V	
C6324	403 113 3805	CERAMIC	1000P K	50V	
C6327	403 164 0204	CERAMIC	0.1U Z	25V	
C6329	403 164 0204	CERAMIC	0.1U Z	25V	
C6331	403 113 3805	CERAMIC	1000P K	50V	
C6332	403 164 0204	CERAMIC	0.1U Z	25V	
C6333	403 113 3805	CERAMIC	1000P K	50V	
C6340	403 164 0204	CERAMIC	0.1U Z	25V	
C6341	403 304 1801	ELECT	100U M	6.3V	
	403 373 7704	ELECT	100U M	6.3V	
C6343	403 113 3805	CERAMIC	1000P K	50V	
C6344	403 113 3805	CERAMIC	1000P K	50V	
C6347	403 164 0204	CERAMIC	0.1U Z	25V	

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C6349	403 164 0204	CERAMIC 0.1U Z 25V	RB2318	645 037 0816	R-NETWORK 0X4 1/32W
C6350	403 113 3805	CERAMIC 1000P K 50V	RB2319	645 037 0816	R-NETWORK 0X4 1/32W
C6352	403 164 0204	CERAMIC 0.1U Z 25V	RB2321	645 037 0816	R-NETWORK 0X4 1/32W
C6353	403 113 3805	CERAMIC 1000P K 50V	RB2322	645 037 0816	R-NETWORK 0X4 1/32W
C6360	403 164 0204	CERAMIC 0.1U Z 25V	RB2323	645 037 0816	R-NETWORK 0X4 1/32W
C6363	403 113 3805	CERAMIC 1000P K 50V	RB2324	645 037 0816	R-NETWORK 0X4 1/32W
C6364	403 113 3805	CERAMIC 1000P K 50V	RB2325	645 037 0816	R-NETWORK 0X4 1/32W
C6367	403 164 0204	CERAMIC 0.1U Z 25V	RB2326	645 037 0816	R-NETWORK 0X4 1/32W
C6371	403 113 3805	CERAMIC 1000P K 50V	RB2331	645 037 0816	R-NETWORK 0X4 1/32W
C6372	403 164 0204	CERAMIC 0.1U Z 25V	RB2332	645 037 0816	R-NETWORK 0X4 1/32W
C6373	403 113 3805	CERAMIC 1000P K 50V	RB2333	645 037 0816	R-NETWORK 0X4 1/32W
C801	403 164 0204	CERAMIC 0.1U Z 25V	RB2334	645 037 0816	R-NETWORK 0X4 1/32W
C802	403 164 0204	CERAMIC 0.1U Z 25V	RB2335	645 037 0816	R-NETWORK 0X4 1/32W
C803	403 155 1609	CERAMIC 33P J 50V	RB2336	645 037 0816	R-NETWORK 0X4 1/32W
C804	403 155 1609	CERAMIC 33P J 50V	RB2511	645 049 0682	R-NETWORK 10X4 1/32W
C806	403 175 4505	ELECT 47U M 6.3V	RB2512	645 049 0682	R-NETWORK 10X4 1/32W
C807	403 164 0204	CERAMIC 0.1U Z 25V	RB2513	645 049 0682	R-NETWORK 10X4 1/32W
C808	403 157 6602	CERAMIC 470P K 50V	RB2514	645 049 0682	R-NETWORK 10X4 1/32W
C809	403 162 4709	ELECT 10U M 16V	RB2515	645 049 0682	R-NETWORK 10X4 1/32W
C811	403 283 6309	CERAMIC 1U Z 10V	RB2516	645 049 0682	R-NETWORK 10X4 1/32W
C812	403 164 0204	CERAMIC 0.1U Z 25V	RB2521	645 049 0682	R-NETWORK 10X4 1/32W
C813	403 164 0204	CERAMIC 0.1U Z 25V	RB2522	645 049 0682	R-NETWORK 10X4 1/32W
C814	403 280 0805	ELECT 330U M 6.3V	RB2523	645 049 0682	R-NETWORK 10X4 1/32W
C815	403 164 0204	CERAMIC 0.1U Z 25V	RB2524	645 049 0682	R-NETWORK 10X4 1/32W
C816	403 164 0204	CERAMIC 0.1U Z 25V	RB2525	645 049 0682	R-NETWORK 10X4 1/32W
C8201	403 280 0508	ELECT 470U M 4V	RB2526	645 049 0682	R-NETWORK 10X4 1/32W
C8202	403 113 3805	CERAMIC 1000P K 50V	RB2531	645 049 0682	R-NETWORK 10X4 1/32W
C8203	403 164 0204	CERAMIC 0.1U Z 25V	RB2532	645 049 0682	R-NETWORK 10X4 1/32W
C8204	403 164 0204	CERAMIC 0.1U Z 25V	RB2533	645 049 0682	R-NETWORK 10X4 1/32W
C8211	403 113 3805	CERAMIC 1000P K 50V	RB2534	645 049 0682	R-NETWORK 10X4 1/32W
C8212	403 164 0204	CERAMIC 0.1U Z 25V	RB2535	645 049 0682	R-NETWORK 10X4 1/32W
C8213	403 164 0204	CERAMIC 0.1U Z 25V	RB2536	645 049 0682	R-NETWORK 10X4 1/32W
C8221	403 113 3805	CERAMIC 1000P K 50V	RB301	645 028 0719	R-NETWORK 10KX4 1/32W
C8222	403 164 0204	CERAMIC 0.1U Z 25V	RB331	645 037 4395	R-NETWORK 680X4 1/32W
C8223	403 164 0204	CERAMIC 0.1U Z 25V	RB332	645 037 4395	R-NETWORK 680X4 1/32W
C8225	403 164 0204	CERAMIC 0.1U Z 25V	RB333	645 037 4395	R-NETWORK 680X4 1/32W
C8251	403 164 0204	CERAMIC 0.1U Z 25V	RB334	645 037 4395	R-NETWORK 680X4 1/32W
C8252	403 164 0204	CERAMIC 0.1U Z 25V	RB335	645 037 4395	R-NETWORK 680X4 1/32W
C8253	403 164 0204	CERAMIC 0.1U Z 25V	RB336	645 037 4395	R-NETWORK 680X4 1/32W
C8254	403 164 0204	CERAMIC 0.1U Z 25V	RB337	645 037 4395	R-NETWORK 680X4 1/32W
C8263	403 164 0204	CERAMIC 0.1U Z 25V	RB338	645 037 4395	R-NETWORK 680X4 1/32W
C8271	403 164 0204	CERAMIC 0.1U Z 25V	RB339	645 037 4395	R-NETWORK 680X4 1/32W
C871	403 280 0508	ELECT 470U M 4V	RB3401	645 037 0816	R-NETWORK 0X4 1/32W
C872	403 164 0204	CERAMIC 0.1U Z 25V	RB3402	645 037 0816	R-NETWORK 0X4 1/32W
C873	403 164 0204	CERAMIC 0.1U Z 25V	RB3403	645 037 0816	R-NETWORK 0X4 1/32W
C874	403 164 0204	CERAMIC 0.1U Z 25V	RB3404	645 037 0816	R-NETWORK 0X4 1/32W
C875	403 164 0204	CERAMIC 0.1U Z 25V	RB3405	645 037 0816	R-NETWORK 0X4 1/32W
C876	403 164 0204	CERAMIC 0.1U Z 25V	RB3406	645 037 0816	R-NETWORK 0X4 1/32W
C877	403 164 0204	CERAMIC 0.1U Z 25V	RB3407	645 054 1117	R-NETWORK 68X4 1/32W
C878	403 164 0204	CERAMIC 0.1U Z 25V	RB3408	645 054 1117	R-NETWORK 68X4 1/32W
C879	403 164 0204	CERAMIC 0.1U Z 25V	RB3409	645 054 1117	R-NETWORK 68X4 1/32W
C886	403 164 0204	CERAMIC 0.1U Z 25V	RB341	645 037 4395	R-NETWORK 680X4 1/32W
C887	403 283 6309	CERAMIC 1U Z 10V	RB3411	645 054 1117	R-NETWORK 68X4 1/32W
C888	403 157 6602	CERAMIC 470P K 50V	RB3412	645 054 1117	R-NETWORK 68X4 1/32W
C892	403 164 0204	CERAMIC 0.1U Z 25V	RB3413	645 054 1117	R-NETWORK 68X4 1/32W
C893	403 164 0204	CERAMIC 0.1U Z 25V	RB3414	645 037 0816	R-NETWORK 0X4 1/32W
C894	403 280 0805	ELECT 330U M 6.3V	RB3415	645 037 0816	R-NETWORK 0X4 1/32W
C9801	403 280 0508	ELECT 470U M 4V	RB3416	645 037 0816	R-NETWORK 0X4 1/32W
C9802	403 164 0204	CERAMIC 0.1U Z 25V	RB3417	645 037 0816	R-NETWORK 0X4 1/32W
C9804	403 113 3805	CERAMIC 1000P K 50V	RB3418	645 037 0816	R-NETWORK 0X4 1/32W
C9805	403 153 9102	CERAMIC 5P C 50V	RB3419	645 037 0816	R-NETWORK 0X4 1/32W
C9806	403 164 0204	CERAMIC 0.1U Z 25V	RB342	645 037 4395	R-NETWORK 680X4 1/32W
C9807	403 164 0204	CERAMIC 0.1U Z 25V	RB3421	645 054 1117	R-NETWORK 68X4 1/32W
C9809	403 164 0204	CERAMIC 0.1U Z 25V	RB3422	645 054 1117	R-NETWORK 68X4 1/32W
C9811	403 280 0508	ELECT 470U M 4V	RB3423	645 054 1117	R-NETWORK 68X4 1/32W
C9812	403 164 0204	CERAMIC 0.1U Z 25V	RB3424	645 054 1117	R-NETWORK 68X4 1/32W
RESISTOR			RB3425	645 054 1117	R-NETWORK 68X4 1/32W
RB2301	645 037 0830	R-NETWORK 47X4 1/32W	RB3426	645 054 1117	R-NETWORK 68X4 1/32W
RB2302	645 037 0830	R-NETWORK 47X4 1/32W	RB343	645 037 4395	R-NETWORK 680X4 1/32W
RB2303	645 037 0830	R-NETWORK 47X4 1/32W	RB4401	645 037 0816	R-NETWORK 0X4 1/32W
RB2304	645 037 0830	R-NETWORK 47X4 1/32W	RB4402	645 037 0816	R-NETWORK 0X4 1/32W
RB2305	645 037 0830	R-NETWORK 47X4 1/32W	RB4403	645 037 0816	R-NETWORK 0X4 1/32W
RB2306	645 037 0830	R-NETWORK 47X4 1/32W	RB4404	645 037 0816	R-NETWORK 0X4 1/32W
RB2307	645 037 0830	R-NETWORK 47X4 1/32W	RB4406	645 037 0816	R-NETWORK 0X4 1/32W
RB2308	645 037 0830	R-NETWORK 47X4 1/32W	RB4407	645 037 0816	R-NETWORK 0X4 1/32W
RB2309	645 037 0830	R-NETWORK 47X4 1/32W	RB4408	645 037 0816	R-NETWORK 0X4 1/32W
RB2311	645 037 0830	R-NETWORK 47X4 1/32W	RB4409	645 037 0816	R-NETWORK 0X4 1/32W
RB2312	645 037 0830	R-NETWORK 47X4 1/32W	RB4411	645 037 0816	R-NETWORK 0X4 1/32W
RB2313	645 037 0830	R-NETWORK 47X4 1/32W	RB4412	645 037 0816	R-NETWORK 0X4 1/32W
RB2314	645 037 0816	R-NETWORK 0X4 1/32W	RB4413	645 037 0816	R-NETWORK 0X4 1/32W
RB2315	645 037 0816	R-NETWORK 0X4 1/32W	RB4414	645 037 0816	R-NETWORK 0X4 1/32W
RB2316	645 037 0816	R-NETWORK 0X4 1/32W	RB4801	645 028 0719	R-NETWORK 10KX4 1/32W
RB2317	645 037 0816	R-NETWORK 0X4 1/32W	RB4802	645 028 0719	R-NETWORK 10KX4 1/32W

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
RB4803	645 028 0719	R-NETWORK 10KX4 1/32W	R1580	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
RB4808	645 028 0719	R-NETWORK 10KX4 1/32W	R1801	401 105 2003	MT-GLAZE 1.8K JA 1/16W
RB4841	645 037 0816	R-NETWORK 0X4 1/32W	R1802	401 105 4106	MT-GLAZE 3.3K JA 1/16W
RB4842	645 037 0816	R-NETWORK 0X4 1/32W	R1806	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
RB4843	645 037 0816	R-NETWORK 0X4 1/32W	R1811	401 105 0405	MT-GLAZE 100 JA 1/16W
RB4844	645 037 0816	R-NETWORK 0X4 1/32W	R1812	401 105 0405	MT-GLAZE 100 JA 1/16W
RB4881	645 049 0682	R-NETWORK 10X4 1/32W	R1813	401 105 5301	MT-GLAZE 4.7K JA 1/16W
RB4882	645 028 0696	R-NETWORK 100X4 1/32W	R1814	401 105 5301	MT-GLAZE 4.7K JA 1/16W
RB4883	645 028 0696	R-NETWORK 100X4 1/32W	R1815	401 105 0405	MT-GLAZE 100 JA 1/16W
RB4885	645 028 0696	R-NETWORK 100X4 1/32W	R1816	401 105 0405	MT-GLAZE 100 JA 1/16W
RB501	645 049 0682	R-NETWORK 10X4 1/32W	R1820	401 105 0603	MT-GLAZE 10K JA 1/16W
RB502	645 049 0682	R-NETWORK 10X4 1/32W	R1821	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
RB503	645 049 0682	R-NETWORK 10X4 1/32W	R1822	401 105 0504	MT-GLAZE 1K JA 1/16W
RB504	645 049 0682	R-NETWORK 10X4 1/32W	R1823	401 105 0405	MT-GLAZE 100 JA 1/16W
RB505	645 049 0682	R-NETWORK 10X4 1/32W	R1824	401 105 4106	MT-GLAZE 3.3K JA 1/16W
RB531	645 049 0682	R-NETWORK 10X4 1/32W	R1825	401 105 0405	MT-GLAZE 100 JA 1/16W
RB532	645 049 0682	R-NETWORK 10X4 1/32W	R1826	401 105 2003	MT-GLAZE 1.8K JA 1/16W
RB533	645 049 0682	R-NETWORK 10X4 1/32W	R1829	401 105 0603	MT-GLAZE 10K JA 1/16W
RB534	645 049 0682	R-NETWORK 10X4 1/32W	R1841	401 105 0504	MT-GLAZE 1K JA 1/16W
RB535	645 049 0682	R-NETWORK 10X4 1/32W	R1843	401 105 0603	MT-GLAZE 10K JA 1/16W
RB561	645 049 0682	R-NETWORK 10X4 1/32W	R1844	401 105 0504	MT-GLAZE 1K JA 1/16W
RB562	645 049 0682	R-NETWORK 10X4 1/32W	R1846	401 105 0603	MT-GLAZE 10K JA 1/16W
RB563	645 049 0682	R-NETWORK 10X4 1/32W	R1850	401 105 2003	MT-GLAZE 1.8K JA 1/16W
RB564	645 049 0682	R-NETWORK 10X4 1/32W	R1851	401 105 4502	MT-GLAZE 390 JA 1/16W
RB565	645 049 0682	R-NETWORK 10X4 1/32W	R1852	401 105 0405	MT-GLAZE 100 JA 1/16W
RB5811	645 028 0719	R-NETWORK 10KX4 1/32W	R1853	401 105 0405	MT-GLAZE 100 JA 1/16W
RB5851	645 049 0682	R-NETWORK 10X4 1/32W	R1854	401 105 0702	MT-GLAZE 100K JA 1/16W
RB5852	645 049 0682	R-NETWORK 10X4 1/32W	R1855	401 105 4502	MT-GLAZE 390 JA 1/16W
RB804	645 033 1442	R-NETWORK 4.7KX4 1/32W	R1856	401 105 2003	MT-GLAZE 1.8K JA 1/16W
RB805	645 033 1442	R-NETWORK 4.7KX4 1/32W	R1857	401 105 1501	MT-GLAZE 1.5K JA 1/16W
RB806	645 033 1442	R-NETWORK 4.7KX4 1/32W	R1858	401 105 5301	MT-GLAZE 4.7K JA 1/16W
RB807	645 033 1442	R-NETWORK 4.7KX4 1/32W	R1859	401 105 5301	MT-GLAZE 4.7K JA 1/16W
RB9801	645 028 0719	R-NETWORK 10KX4 1/32W	R1860	401 105 0603	MT-GLAZE 10K JA 1/16W
RB9802	645 028 0719	R-NETWORK 10KX4 1/32W	R1861	401 105 0603	MT-GLAZE 10K JA 1/16W
R1302	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1862	401 105 0603	MT-GLAZE 10K JA 1/16W
R1303	401 105 0405	MT-GLAZE 100 JA 1/16W	R1863	401 105 0603	MT-GLAZE 10K JA 1/16W
R1304	401 105 0603	MT-GLAZE 10K JA 1/16W	R1864	401 105 0603	MT-GLAZE 10K JA 1/16W
R1305	401 105 0405	MT-GLAZE 100 JA 1/16W	R1865	401 105 0603	MT-GLAZE 10K JA 1/16W
R1306	401 105 0405	MT-GLAZE 100 JA 1/16W	R1866	401 105 0603	MT-GLAZE 10K JA 1/16W
R1307	401 105 0405	MT-GLAZE 100 JA 1/16W	R1867	401 105 0603	MT-GLAZE 10K JA 1/16W
R1311	401 105 2003	MT-GLAZE 1.8K JA 1/16W	R1868	401 105 0603	MT-GLAZE 10K JA 1/16W
R1312	401 105 0306	MT-GLAZE 10 JA 1/16W	R1869	401 105 0603	MT-GLAZE 10K JA 1/16W
R1313	401 105 2003	MT-GLAZE 1.8K JA 1/16W	R1870	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1314	401 105 0306	MT-GLAZE 10 JA 1/16W	R1871	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R1321	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1872	401 105 0504	MT-GLAZE 1K JA 1/16W
R1322	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1873	401 105 0504	MT-GLAZE 1K JA 1/16W
R1323	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1874	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R1330	401 105 6407	MT-GLAZE 68 JA 1/16W	R1875	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1332	401 105 6407	MT-GLAZE 68 JA 1/16W	R1876	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1334	401 105 0603	MT-GLAZE 10K JA 1/16W	R1877	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1337	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1881	401 105 0702	MT-GLAZE 100K JA 1/16W
R1342	401 105 6407	MT-GLAZE 68 JA 1/16W	R1883	401 105 0405	MT-GLAZE 100 JA 1/16W
R1345	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1884	401 105 0603	MT-GLAZE 10K JA 1/16W
R1350	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1885	401 105 0603	MT-GLAZE 10K JA 1/16W
R1352	401 105 0603	MT-GLAZE 10K JA 1/16W	R1888	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R1355	401 105 0603	MT-GLAZE 10K JA 1/16W	R1889	401 105 0306	MT-GLAZE 10 JA 1/16W
R1356	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R1898	401 105 0603	MT-GLAZE 10K JA 1/16W
R1358	401 105 0603	MT-GLAZE 10K JA 1/16W	R201	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1361	401 105 0306	MT-GLAZE 10 JA 1/16W	R202	401 113 4402	MT-GLAZE 75 JA 1/16W
R1364	401 105 0306	MT-GLAZE 10 JA 1/16W	R204	401 105 0405	MT-GLAZE 100 JA 1/16W
R1366	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R205	401 105 0405	MT-GLAZE 100 JA 1/16W
R1369	401 276 4707	MT-GLAZE 0.000 ZA 1/3W	R209	401 105 0603	MT-GLAZE 10K JA 1/16W
R1371	401 105 0405	MT-GLAZE 100 JA 1/16W	R211	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1372	401 105 0405	MT-GLAZE 100 JA 1/16W	R212	401 113 4402	MT-GLAZE 75 JA 1/16W
R1373	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R214	401 105 0405	MT-GLAZE 100 JA 1/16W
R1374	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R215	401 105 0405	MT-GLAZE 100 JA 1/16W
R1376	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R219	401 105 0603	MT-GLAZE 10K JA 1/16W
R1379	401 105 0603	MT-GLAZE 10K JA 1/16W	R220	401 105 0405	MT-GLAZE 100 JA 1/16W
R1381	401 105 0603	MT-GLAZE 10K JA 1/16W	R2202	401 105 0405	MT-GLAZE 100 JA 1/16W
R1383	401 105 0603	MT-GLAZE 10K JA 1/16W	R2203	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1384	401 105 0603	MT-GLAZE 10K JA 1/16W	R2205	401 105 0405	MT-GLAZE 100 JA 1/16W
R1385	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2206	401 105 0405	MT-GLAZE 100 JA 1/16W
R1503	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2207	401 105 0306	MT-GLAZE 10 JA 1/16W
R1516	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2208	401 105 0306	MT-GLAZE 10 JA 1/16W
R1517	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R221	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R1520	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2211	401 105 0306	MT-GLAZE 10 JA 1/16W
R1533	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2213	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R1546	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2215	401 105 0603	MT-GLAZE 10K JA 1/16W
R1547	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R222	401 113 4402	MT-GLAZE 75 JA 1/16W
R1550	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2231	401 105 0306	MT-GLAZE 10 JA 1/16W
R1563	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2232	401 105 0405	MT-GLAZE 100 JA 1/16W
R1576	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2233	401 105 0405	MT-GLAZE 100 JA 1/16W
R1577	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2234	401 105 0405	MT-GLAZE 100 JA 1/16W

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R225	401 105 0405	MT-GLAZE 100 JA 1/16W	R2503	401 037 7800	MT-GLAZE 150 JA 1/10W
R2261	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2504	401 037 7800	MT-GLAZE 150 JA 1/10W
R2262	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2541	401 105 0405	MT-GLAZE 100 JA 1/16W
R2263	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2542	401 105 0405	MT-GLAZE 100 JA 1/16W
R2265	401 105 0603	MT-GLAZE 10K JA 1/16W	R2543	401 105 0603	MT-GLAZE 10K JA 1/16W
R229	401 105 0603	MT-GLAZE 10K JA 1/16W	R2545	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2300	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R2548	401 276 4707	MT-GLAZE 0.000 ZA 1/3W
R2302	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2561	401 105 5905	MT-GLAZE 560 JA 1/16W
R2303	401 105 0306	MT-GLAZE 10 JA 1/16W	R2562	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R231	401 105 3901	MT-GLAZE 33 JA 1/16W	R2565	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2310	401 105 1402	MT-GLAZE 150 JA 1/16W	R2568	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2320	401 105 1402	MT-GLAZE 150 JA 1/16W	R2569	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2328	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2571	401 105 5905	MT-GLAZE 560 JA 1/16W
R2331	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2572	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R2340	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2575	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2349	401 105 0603	MT-GLAZE 10K JA 1/16W	R2578	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2350	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2579	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2352	401 105 0603	MT-GLAZE 10K JA 1/16W	R2581	401 105 5905	MT-GLAZE 560 JA 1/16W
R2356	401 105 0603	MT-GLAZE 10K JA 1/16W	R2582	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R2359	401 105 0603	MT-GLAZE 10K JA 1/16W	R2585	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2360	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2588	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2363	401 105 0306	MT-GLAZE 10 JA 1/16W	R2589	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2364	401 105 0306	MT-GLAZE 10 JA 1/16W	R2591	401 105 5905	MT-GLAZE 560 JA 1/16W
R2365	401 105 0603	MT-GLAZE 10K JA 1/16W	R2592	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R2366	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2595	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2367	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R2598	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2368	401 105 0603	MT-GLAZE 10K JA 1/16W	R2599	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2369	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R261	401 105 3901	MT-GLAZE 33 JA 1/16W
R2371	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R271	401 105 0603	MT-GLAZE 10K JA 1/16W
R2386	401 105 0603	MT-GLAZE 10K JA 1/16W	R272	401 105 0504	MT-GLAZE 1K JA 1/16W
R2396	401 105 0603	MT-GLAZE 10K JA 1/16W	R280	401 105 0504	MT-GLAZE 1K JA 1/16W
R2401	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R282	401 105 0603	MT-GLAZE 10K JA 1/16W
R2402	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R284	401 105 0603	MT-GLAZE 10K JA 1/16W
R2404	401 105 2003	MT-GLAZE 1.8K JA 1/16W	R286	401 105 0603	MT-GLAZE 10K JA 1/16W
R2405	401 105 2003	MT-GLAZE 1.8K JA 1/16W	R287	401 105 0504	MT-GLAZE 1K JA 1/16W
R241	401 105 3901	MT-GLAZE 33 JA 1/16W	R288	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2415	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R289	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2417	401 105 2607	MT-GLAZE 22 JA 1/16W	R290	401 105 0504	MT-GLAZE 1K JA 1/16W
R2419	401 105 0603	MT-GLAZE 10K JA 1/16W	R291	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2423	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R292	401 105 0504	MT-GLAZE 1K JA 1/16W
R2425	401 105 0603	MT-GLAZE 10K JA 1/16W	R293	401 105 0504	MT-GLAZE 1K JA 1/16W
R2426	401 105 0603	MT-GLAZE 10K JA 1/16W	R295	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R2430	401 105 6407	MT-GLAZE 68 JA 1/16W	R296	401 105 0603	MT-GLAZE 10K JA 1/16W
R2431	401 105 5905	MT-GLAZE 560 JA 1/16W	R297	401 105 6506	MT-GLAZE 680 JA 1/16W
R2433	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R298	401 105 2706	MT-GLAZE 220 JA 1/16W
R2434	401 105 0504	MT-GLAZE 1K JA 1/16W	R299	401 105 0504	MT-GLAZE 1K JA 1/16W
R2435	401 105 0504	MT-GLAZE 1K JA 1/16W	R301	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2436	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R302	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2437	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R303	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R2438	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R304	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2439	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R305	401 105 2003	MT-GLAZE 1.8K JA 1/16W
R2440	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R306	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2441	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R307	401 105 0405	MT-GLAZE 100 JA 1/16W
R2442	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R308	401 105 0405	MT-GLAZE 100 JA 1/16W
R2443	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R309	401 105 0405	MT-GLAZE 100 JA 1/16W
R2445	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R318	401 105 0603	MT-GLAZE 10K JA 1/16W
R2446	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3213	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2447	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3214	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2448	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3215	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2449	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3216	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2451	401 105 0405	MT-GLAZE 100 JA 1/16W	R3217	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2452	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3218	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2453	401 105 0306	MT-GLAZE 10 JA 1/16W	R3219	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2455	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3231	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2458	401 105 0306	MT-GLAZE 10 JA 1/16W	R3232	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2462	401 105 5905	MT-GLAZE 560 JA 1/16W	R3233	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2463	401 105 0504	MT-GLAZE 1K JA 1/16W	R3235	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2464	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3237	401 105 0603	MT-GLAZE 10K JA 1/16W
R2465	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3238	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2466	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3239	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2470	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R324	401 105 0405	MT-GLAZE 100 JA 1/16W
R2471	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3242	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2483	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3243	401 105 0306	MT-GLAZE 10 JA 1/16W
R2484	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3244	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2485	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3245	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2486	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R325	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2488	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3251	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2489	401 276 4707	MT-GLAZE 0.000 ZA 1/3W	R3255	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2496	401 105 0405	MT-GLAZE 100 JA 1/16W	R3256	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R2497	401 105 0405	MT-GLAZE 100 JA 1/16W	R326	401 105 0603	MT-GLAZE 10K JA 1/16W
R2498	401 105 0405	MT-GLAZE 100 JA 1/16W	R3261	401 105 0603	MT-GLAZE 10K JA 1/16W
R2501	401 035 4108	MT-GLAZE 0.000 ZA 1/8W	R3266	401 105 0603	MT-GLAZE 10K JA 1/16W
R2502	401 037 7800	MT-GLAZE 150 JA 1/10W	R3275	401 105 7909	MT-GLAZE 0.000 ZA 1/16W

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R3276	401 105 0306	MT-GLAZE 10 JA 1/16W	R3614	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R3277	401 105 0306	MT-GLAZE 10 JA 1/16W	R3615	401 105 5400	MT-GLAZE 47K JA 1/16W
R3278	401 105 0306	MT-GLAZE 10 JA 1/16W	R3616	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R3279	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3617	401 105 5301	MT-GLAZE 4.7K JA 1/16W
R328	401 105 0603	MT-GLAZE 10K JA 1/16W	R3618	401 105 5400	MT-GLAZE 47K JA 1/16W
R3280	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R3619	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R3281	401 105 2706	MT-GLAZE 220 JA 1/16W	R363	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3282	401 105 2706	MT-GLAZE 220 JA 1/16W	R371	401 105 0405	MT-GLAZE 100 JA 1/16W
R3283	401 105 2706	MT-GLAZE 220 JA 1/16W	R372	401 105 0405	MT-GLAZE 100 JA 1/16W
R3284	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R373	401 105 0405	MT-GLAZE 100 JA 1/16W
R3285	401 105 0306	MT-GLAZE 10 JA 1/16W	R374	401 105 0405	MT-GLAZE 100 JA 1/16W
R3286	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R375	401 105 0405	MT-GLAZE 100 JA 1/16W
R3287	401 105 0306	MT-GLAZE 10 JA 1/16W	R376	401 105 0405	MT-GLAZE 100 JA 1/16W
R3288	401 105 0306	MT-GLAZE 10 JA 1/16W	R377	401 105 0405	MT-GLAZE 100 JA 1/16W
R3289	401 105 0306	MT-GLAZE 10 JA 1/16W	R378	401 105 0405	MT-GLAZE 100 JA 1/16W
R3291	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R379	401 105 0405	MT-GLAZE 100 JA 1/16W
R3292	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R382	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3293	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R383	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3360	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R388	401 105 0405	MT-GLAZE 100 JA 1/16W
R3361	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R390	401 105 0603	MT-GLAZE 10K JA 1/16W
R3362	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R392	401 105 0603	MT-GLAZE 10K JA 1/16W
R3363	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R393	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3364	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R395	401 105 0603	MT-GLAZE 10K JA 1/16W
R3366	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R397	401 105 0603	MT-GLAZE 10K JA 1/16W
R3367	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R398	401 105 0603	MT-GLAZE 10K JA 1/16W
R3368	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R399	401 105 0603	MT-GLAZE 10K JA 1/16W
R3369	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R403	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R338	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R404	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3388	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R406	401 105 4205	MT-GLAZE 33K JA 1/16W
R339	401 105 0306	MT-GLAZE 10 JA 1/16W	R407	401 105 4205	MT-GLAZE 33K JA 1/16W
R3390	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R411	401 113 4402	MT-GLAZE 75 JA 1/16W
R3392	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R413	401 105 0603	MT-GLAZE 10K JA 1/16W
R3395	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R415	401 105 0603	MT-GLAZE 10K JA 1/16W
R3398	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4201	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3399	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4202	401 105 0603	MT-GLAZE 10K JA 1/16W
R340	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4203	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R341	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4204	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R342	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4206	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R343	401 105 0306	MT-GLAZE 10 JA 1/16W	R4207	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3445	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4209	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3446	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4210	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3447	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4211	401 113 4600	MT-GLAZE 110 JA 1/16W
R3452	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4212	401 113 4600	MT-GLAZE 110 JA 1/16W
R3453	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4213	401 113 4600	MT-GLAZE 110 JA 1/16W
R3454	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4214	401 113 4600	MT-GLAZE 110 JA 1/16W
R3455	401 105 0603	MT-GLAZE 10K JA 1/16W	R4215	401 105 0306	MT-GLAZE 10 JA 1/16W
R348	401 105 0306	MT-GLAZE 10 JA 1/16W	R4216	401 105 0603	MT-GLAZE 10K JA 1/16W
R3480	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4219	401 105 0306	MT-GLAZE 10 JA 1/16W
R3486	401 105 0306	MT-GLAZE 10 JA 1/16W	R4231	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3487	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4232	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R349	401 105 6407	MT-GLAZE 68 JA 1/16W	R4234	401 105 6605	MT-GLAZE 6.8K JA 1/16W
R3502	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4236	401 105 0405	MT-GLAZE 100 JA 1/16W
R3503	401 276 4707	MT-GLAZE 0.000 ZA 1/3W	R4237	401 105 0405	MT-GLAZE 100 JA 1/16W
R352	401 105 0306	MT-GLAZE 10 JA 1/16W	R4239	401 105 0306	MT-GLAZE 10 JA 1/16W
R353	401 105 6506	MT-GLAZE 680 JA 1/16W	R4240	401 105 0306	MT-GLAZE 10 JA 1/16W
R354	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4245	401 105 0306	MT-GLAZE 10 JA 1/16W
R3562	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4246	401 105 2805	MT-GLAZE 2.2K JA 1/16W
R3563	401 105 0504	MT-GLAZE 1K JA 1/16W	R4248	401 105 0306	MT-GLAZE 10 JA 1/16W
R3564	401 105 0504	MT-GLAZE 1K JA 1/16W	R4249	401 105 0306	MT-GLAZE 10 JA 1/16W
R3565	401 105 0603	MT-GLAZE 10K JA 1/16W	R4252	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3566	401 105 0603	MT-GLAZE 10K JA 1/16W	R4253	401 276 4707	MT-GLAZE 0.000 ZA 1/3W
R3567	401 105 0603	MT-GLAZE 10K JA 1/16W	R4257	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R3568	401 105 0405	MT-GLAZE 100 JA 1/16W	R4264	401 105 0306	MT-GLAZE 10 JA 1/16W
R3569	401 105 0405	MT-GLAZE 100 JA 1/16W	R4266	401 105 0306	MT-GLAZE 10 JA 1/16W
R357	401 105 0405	MT-GLAZE 100 JA 1/16W	R4274	401 105 0306	MT-GLAZE 10 JA 1/16W
R3571	401 105 1105	MT-GLAZE 12K JA 1/16W	R4284	401 105 0306	MT-GLAZE 10 JA 1/16W
R3572	401 105 1105	MT-GLAZE 12K JA 1/16W	R4288	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3573	401 105 1105	MT-GLAZE 12K JA 1/16W	R4289	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3574	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4290	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3575	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4291	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3576	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R4292	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R358	401 105 0405	MT-GLAZE 100 JA 1/16W	R4293	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3581	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R4294	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3582	401 105 2904	MT-GLAZE 22K JA 1/16W	R4295	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3583	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R4296	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3584	401 105 2904	MT-GLAZE 22K JA 1/16W	R4297	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3585	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R4298	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R3586	401 105 2904	MT-GLAZE 22K JA 1/16W	R4299	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R359	401 105 0306	MT-GLAZE 10 JA 1/16W	R431	401 105 0306	MT-GLAZE 10 JA 1/16W
R361	401 105 7909	MT-GLAZE 0.000 ZA 1/16W	R432	401 105 0306	MT-GLAZE 10 JA 1/16W
R3611	401 105 5301	MT-GLAZE 4.7K JA 1/16W	R433	401 105 0306	MT-GLAZE 10 JA 1/16W
R3612	401 105 5400	MT-GLAZE 4.7K JA 1/16W	R434	401 105 0306	MT-GLAZE 10 JA 1/16W
R3613	401 105 2805	MT-GLAZE 2.2K JA 1/16W	R436	401 105 0306	MT-GLAZE 10 JA 1/16W

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description	
R437	401 105 0306	MT-GLAZE	10 JA 1/16W	R489	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R438	401 105 0306	MT-GLAZE	10 JA 1/16W	R4891	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R439	401 105 0306	MT-GLAZE	10 JA 1/16W	R4892	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R441	401 105 0306	MT-GLAZE	10 JA 1/16W	R4895	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R442	401 105 0306	MT-GLAZE	10 JA 1/16W	R4896	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R451	401 105 0306	MT-GLAZE	10 JA 1/16W	R4897	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R452	401 105 0306	MT-GLAZE	10 JA 1/16W	R4898	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R453	401 105 0306	MT-GLAZE	10 JA 1/16W	R4899	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R454	401 105 0306	MT-GLAZE	10 JA 1/16W	R490	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R456	401 105 0306	MT-GLAZE	10 JA 1/16W	R491	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R457	401 105 0306	MT-GLAZE	10 JA 1/16W	R492	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R458	401 105 0306	MT-GLAZE	10 JA 1/16W	R501	401 105 0306	MT-GLAZE 10 JA 1/16W
R459	401 105 0306	MT-GLAZE	10 JA 1/16W	R502	401 105 0603	MT-GLAZE 10K JA 1/16W
R461	401 105 5103	MT-GLAZE	47 JA 1/16W	R503	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R462	401 105 0900	MT-GLAZE	120 JA 1/16W	R504	401 105 0306	MT-GLAZE 10 JA 1/16W
R466	401 105 0306	MT-GLAZE	10 JA 1/16W	R505	401 105 0306	MT-GLAZE 10 JA 1/16W
R467	401 105 0306	MT-GLAZE	10 JA 1/16W	R514	401 105 0603	MT-GLAZE 10K JA 1/16W
R468	401 105 0405	MT-GLAZE	100 JA 1/16W	R515	401 105 0306	MT-GLAZE 10 JA 1/16W
R469	401 105 0306	MT-GLAZE	10 JA 1/16W	R516	401 105 0306	MT-GLAZE 10 JA 1/16W
R472	401 105 0306	MT-GLAZE	10 JA 1/16W	R517	401 105 0405	MT-GLAZE 100 JA 1/16W
R474	401 105 0306	MT-GLAZE	10 JA 1/16W	R518	401 105 0900	MT-GLAZE 120 JA 1/16W
R475	401 105 0306	MT-GLAZE	10 JA 1/16W	R519	401 105 0405	MT-GLAZE 100 JA 1/16W
R476	401 105 0306	MT-GLAZE	10 JA 1/16W	R520	401 105 0900	MT-GLAZE 120 JA 1/16W
R4801	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R521	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4802	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R523	401 105 0306	MT-GLAZE 10 JA 1/16W
R4803	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R531	401 105 0306	MT-GLAZE 10 JA 1/16W
R4804	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R532	401 105 0603	MT-GLAZE 10K JA 1/16W
R4805	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R533	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4806	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R534	401 105 0306	MT-GLAZE 10 JA 1/16W
R4807	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R535	401 105 0306	MT-GLAZE 10 JA 1/16W
R4808	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R544	401 105 0603	MT-GLAZE 10K JA 1/16W
R4809	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R546	401 105 0306	MT-GLAZE 10 JA 1/16W
R4811	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R547	401 105 0405	MT-GLAZE 100 JA 1/16W
R4812	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R548	401 105 0900	MT-GLAZE 120 JA 1/16W
R4813	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R549	401 105 0405	MT-GLAZE 100 JA 1/16W
R4814	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R550	401 105 0900	MT-GLAZE 120 JA 1/16W
R4815	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R551	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4816	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R552	401 105 0306	MT-GLAZE 10 JA 1/16W
R4817	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R553	401 105 0306	MT-GLAZE 10 JA 1/16W
R4818	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R561	401 105 0306	MT-GLAZE 10 JA 1/16W
R482	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R562	401 105 0603	MT-GLAZE 10K JA 1/16W
R4821	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R563	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4822	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R5631	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R4823	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R564	401 105 0306	MT-GLAZE 10 JA 1/16W
R4824	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R5641	401 105 4106	MT-GLAZE 3.3K JA 1/16W
R483	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R5642	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R4831	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R5643	401 105 2409	MT-GLAZE 2K JA 1/16W
R4832	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R5647	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4833	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R565	401 105 0306	MT-GLAZE 10 JA 1/16W
R4844	401 105 0504	MT-GLAZE	1K JA 1/16W	R5651	401 105 6001	MT-GLAZE 5.6K JA 1/16W
R4845	401 105 0504	MT-GLAZE	1K JA 1/16W	R5652	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R4846	401 105 0702	MT-GLAZE	100K JA 1/16W	R5653	401 105 2409	MT-GLAZE 2K JA 1/16W
R4847	401 105 4106	MT-GLAZE	3.3K JA 1/16W	R574	401 105 0603	MT-GLAZE 10K JA 1/16W
R4855	401 105 0603	MT-GLAZE	10K JA 1/16W	R575	401 105 0306	MT-GLAZE 10 JA 1/16W
R4857	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R576	401 105 0306	MT-GLAZE 10 JA 1/16W
R4858	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R577	401 105 0405	MT-GLAZE 100 JA 1/16W
R4859	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R578	401 105 0900	MT-GLAZE 120 JA 1/16W
R4861	401 105 0603	MT-GLAZE	10K JA 1/16W	R579	401 105 0405	MT-GLAZE 100 JA 1/16W
R4865	401 105 5301	MT-GLAZE	4.7K JA 1/16W	R580	401 105 0900	MT-GLAZE 120 JA 1/16W
R4867	401 105 6001	MT-GLAZE	5.6K JA 1/16W	R5801	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R4868	401 105 5202	MT-GLAZE	470 JA 1/16W	R5802	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4869	401 105 2003	MT-GLAZE	1.8K JA 1/16W	R5803	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R487	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R5804	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4871	401 105 0900	MT-GLAZE	120 JA 1/16W	R581	401 105 7909	MT-GLAZE 0.000 ZA 1/16W
R4872	401 105 0405	MT-GLAZE	100 JA 1/16W	R583	401 105 0306	MT-GLAZE 10 JA 1/16W
R4873	401 105 0504	MT-GLAZE	1K JA 1/16W	R5831	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R4874	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R5832	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R4875	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R5834	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R4876	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R5835	401 035 4108	MT-GLAZE 0.000 ZA 1/8W
R4877	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R5836	645 030 1056	PROTECTOR, IC 3.8A 72V
R4878	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R5837	401 105 7404	MT-GLAZE 8.2K JA 1/16W
R4879	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R5838	401 105 1501	MT-GLAZE 1.5K JA 1/16W
R488	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R5839	401 105 2409	MT-GLAZE 2K JA 1/16W
R4881	401 035 4108	MT-GLAZE	0.000 ZA 1/8W	R5841	401 105 0603	MT-GLAZE 10K JA 1/16W
R4882	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R5842	401 105 0603	MT-GLAZE 10K JA 1/16W
R4883	401 035 4108	MT-GLAZE	0.000 ZA 1/8W	R5843	401 105 0603	MT-GLAZE 10K JA 1/16W
R4884	401 035 4108	MT-GLAZE	0.000 ZA 1/8W	R5844	645 030 1056	PROTECTOR, IC 3.8A 72V
R4885	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R5851	401 105 3307	MT-GLAZE 2.7K JA 1/16W
R4886	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	R5853	401 105 0405	MT-GLAZE 100 JA 1/16W
R4887	401 035 4108	MT-GLAZE	0.000 ZA 1/8W	R5854	401 105 0405	MT-GLAZE 100 JA 1/16W
R4888	401 035 4108	MT-GLAZE	0.000 ZA 1/8W	R5855	401 105 0405	MT-GLAZE 100 JA 1/16W
R4889	401 105 0306	MT-GLAZE	10 JA 1/16W	R5856	401 105 0405	MT-GLAZE 100 JA 1/16W
			R5857	401 105 0405	MT-GLAZE 100 JA 1/16W	

Electrical Parts List

Electrical Parts List

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description	
R852	401 105 0603	MT-GLAZE	10K JA 1/16W	D5831	407 223 5001	DIODE D1FM3
R853	401 105 2904	MT-GLAZE	22K JA 1/16W	D5832	407 223 5001	DIODE D1FM3
R854	401 105 2904	MT-GLAZE	22K JA 1/16W	D5833	407 223 5001	DIODE D1FM3
R855	401 105 2904	MT-GLAZE	22K JA 1/16W	D5862	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
R856	401 105 2904	MT-GLAZE	22K JA 1/16W	D5863	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
R857	401 105 5301	MT-GLAZE	4.7K JA 1/16W	D5867	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
R858	401 105 5301	MT-GLAZE	4.7K JA 1/16W	D5868	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
R859	401 105 0603	MT-GLAZE	10K JA 1/16W	D5871	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
R860	401 105 0306	MT-GLAZE	10 JA 1/16W	D5877	407 149 0807	DIODE 1SS355-TE-17
R861	401 105 0405	MT-GLAZE	100 JA 1/16W	D5881	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)
R862	401 105 5301	MT-GLAZE	4.7K JA 1/16W	D801	407 092 9506	DIODE SB07-03C-TB
R863	401 105 5301	MT-GLAZE	4.7K JA 1/16W	MISCELLANEOUS		
R864	401 105 0405	MT-GLAZE	100 JA 1/16W	IC886	407 221 9704	SENSOR MPXA4115A6T1
R865	401 105 0405	MT-GLAZE	100 JA 1/16W	TP_HS	645 036 5010	TERMINAL
R866	401 105 2003	MT-GLAZE	1.8K JA 1/16W	TP_VS	645 036 5010	TERMINAL
R867	401 105 4106	MT-GLAZE	3.3K JA 1/16W	TPDHS	645 036 5010	TERMINAL
R869	401 105 4304	MT-GLAZE	330K JA 1/16W	TPDVS	645 036 5010	TERMINAL
R870	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	TPGHS	645 036 5010	TERMINAL
R871	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	TPGVs	645 036 5010	TERMINAL
R873	401 105 0603	MT-GLAZE	10K JA 1/16W	TPHV	645 036 5010	TERMINAL
R875	401 105 0603	MT-GLAZE	10K JA 1/16W	TPV	645 036 5010	TERMINAL
R877	401 105 5301	MT-GLAZE	4.7K JA 1/16W	TP201	645 036 5010	TERMINAL
R878	401 105 0405	MT-GLAZE	100 JA 1/16W	TP201E	645 036 5010	TERMINAL
R879	401 105 0504	MT-GLAZE	1K JA 1/16W	TP211	645 036 5010	TERMINAL
R880	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	TP221	645 036 5010	TERMINAL
R881	401 105 8104	MT-GLAZE	56K JA 1/16W	TP2401-H	645 036 5010	TERMINAL
R882	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	TP2401-V	645 036 5010	TERMINAL
R886	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	TP2516	645 036 5010	TERMINAL
R890	401 105 0603	MT-GLAZE	10K JA 1/16W	TP2517	645 036 5010	TERMINAL
R891	401 105 0603	MT-GLAZE	10K JA 1/16W	TP2526	645 036 5010	TERMINAL
R893	401 105 0603	MT-GLAZE	10K JA 1/16W	TP2527	645 036 5010	TERMINAL
R895	401 105 0603	MT-GLAZE	10K JA 1/16W	TP2536	645 036 5010	TERMINAL
R896	401 105 0603	MT-GLAZE	10K JA 1/16W	TP2537	645 036 5010	TERMINAL
R9801	401 105 1501	MT-GLAZE	1.5K JA 1/16W	TP2561	645 036 5010	TERMINAL
R9803	401 105 8005	MT-GLAZE	1M JA 1/16W	TP2571	645 036 5010	TERMINAL
R9804	401 105 0405	MT-GLAZE	100 JA 1/16W	TP2581	645 036 5010	TERMINAL
R9805	401 105 0405	MT-GLAZE	100 JA 1/16W	TP2591	645 036 5010	TERMINAL
R9806	401 105 0405	MT-GLAZE	100 JA 1/16W	TP32H1	645 036 5010	TERMINAL
R9807	401 105 0405	MT-GLAZE	100 JA 1/16W	TP32H2	645 036 5010	TERMINAL
R9809	401 105 7909	MT-GLAZE	0.000 ZA 1/16W	TP32V1	645 036 5010	TERMINAL
R9813	401 105 0702	MT-GLAZE	100K JA 1/16W	TP32V2	645 036 5010	TERMINAL
COIL			TP801	645 036 5010	TERMINAL	
L201	645 020 1776	INDUCTOR, 3.3U M	K1301	645 047 0783	PLUG, PWB 5P	
L202	645 020 1776	INDUCTOR, 3.3U M	K2B	645 009 8390	PLUG, ANT 2P	
L2201	401 035 4108	MT-GLAZE	0.000 ZA 1/8W	K2G	645 009 8390	PLUG, ANT 2P
L2211	401 035 4108	MT-GLAZE	0.000 ZA 1/8W	K2R	645 009 8390	PLUG, ANT 2P
L2221	401 035 4108	MT-GLAZE	0.000 ZA 1/8W	K25D	645 050 2309	SOCKET, FPC 32P
L2301	645 020 1776	INDUCTOR, 3.3U M	K25E	645 050 2309	SOCKET, FPC 32P	
L2302	645 020 1776	INDUCTOR, 3.3U M	K25F	645 050 2309	SOCKET, FPC 32P	
L2501	645 026 1008	INDUCTOR, 3.3U M	K301	645 005 6949	PLUG, SIDE-ZR-SM3 6P	
L2506	645 026 1008	INDUCTOR, 3.3U M	K302	645 030 5702	SOCKET, FPC 50P	
L3351	645 026 1008	INDUCTOR, 3.3U M	K32A	645 040 6775	SOCKET, PWB 40P	
L501	645 020 1776	INDUCTOR, 3.3U M	K32B	645 040 6775	SOCKET, PWB 40P	
L502	645 002 5129	INDUCTOR, 0.47U M	K8A	645 041 8136	PLUG, 40P	
L531	645 020 1776	INDUCTOR, 3.3U M	K8B	645 042 6834	PLUG, 30P	
L532	645 002 5129	INDUCTOR, 0.47U M	K8D	645 030 6679	PLUG, 32P	
L561	645 020 1776	INDUCTOR, 3.3U M	K8E	645 041 8136	PLUG, 40P	
L562	645 002 5129	INDUCTOR, 0.47U M	K8F	645 038 1645	PLUG, SIDE-ZR-SM3 12P	
L9801	645 021 1645	INDUCTOR, 2.2U J	K8J	645 029 6321	PULG, 4P	
DIODE			K8Q	645 005 6963	PLUG, SIDE-ZR-SM3 8P	
D1301	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)	K8R	645 043 3719	PLUG, 3P	
D1851	407 223 1003	ZENER DIODE 02DZ5.1Y(TPH3)	K8S	645 029 6314	PULG, 3P	
D1852	407 092 9506	DIODE SB07-03C-TB	K8U	645 020 7198	PLUG, 3P	
D2502	407 149 0807	DIODE 1SS355-TE-17	K8V	645 029 6321	PULG, 4P	
D2503	407 149 0807	DIODE 1SS355-TE-17	K8W	645 023 8659	PLUG, 5P	
D281	407 149 0807	DIODE 1SS355-TE-17	K8X	645 023 8659	PLUG, 5P	
D282	407 149 0807	DIODE 1SS355-TE-17	X1331	645 047 6587	OSC, CRYSTAL 26.000MHZ	
D283	407 149 0807	DIODE 1SS355-TE-17	X1341	645 029 6468	OSC, CRYSTAL 27.000MHZ	
D4251	407 223 5001	DIODE D1FM3	X2261	645 041 3841	OSC, CRYSTAL 4MHZ	
D4252	407 223 5001	DIODE D1FM3	X801	645 053 4973	OSC, CRYSTAL 6.4512MHZ	
D4871	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)	X9801	645 035 8906	OSC, CRYSTAL 48MHZ	
D4872	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)	*****			
D4873	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)	■ Assembly PWB POWER			
D4874	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)	610 305 2717 ASSY, PWB, POWER MD7A			
D5541	407 149 0807	DIODE 1SS355-TE-17	INTEGRATED CIRCUIT			
D5631	407 149 0807	DIODE 1SS355-TE-17	IC601	409 179 4503	IC STR81145A	
D5632	407 149 0807	DIODE 1SS355-TE-17	IC632	409 421 4701	IC STR-Z2156	
D5633	407 149 0807	DIODE 1SS355-TE-17	IC652	409 308 8600	IC SE005N	
D5634	407 149 0807	DIODE 1SS355-TE-17	CAPACITOR			
D5801	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)	C602	403 222 1303	CERAMIC 1000P K 1K	
D5811	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)				
D5812	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)				
D5813	407 223 1102	ZENER DIODE 02DZ6.2Y(TPH3)				

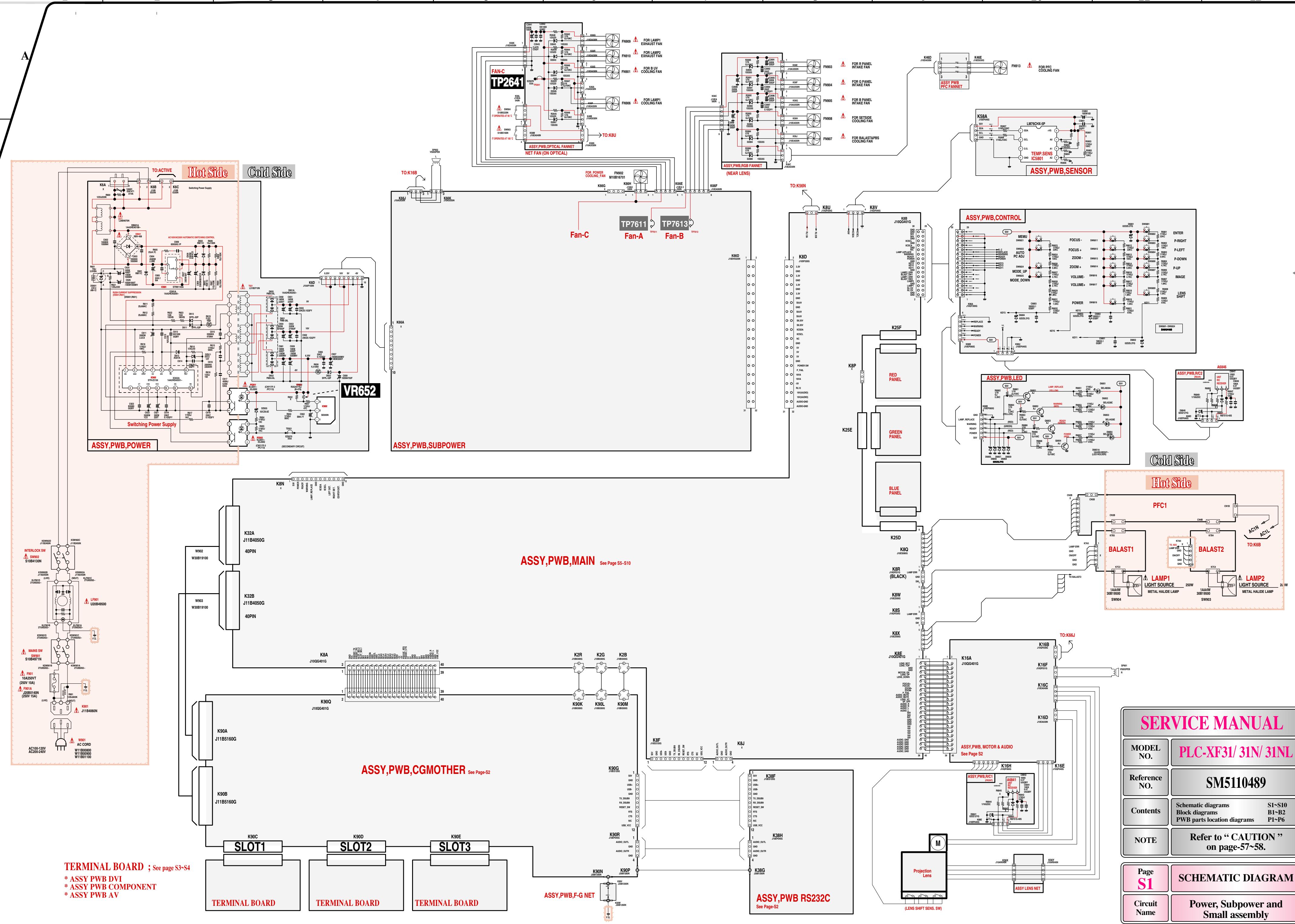
Electrical Parts List

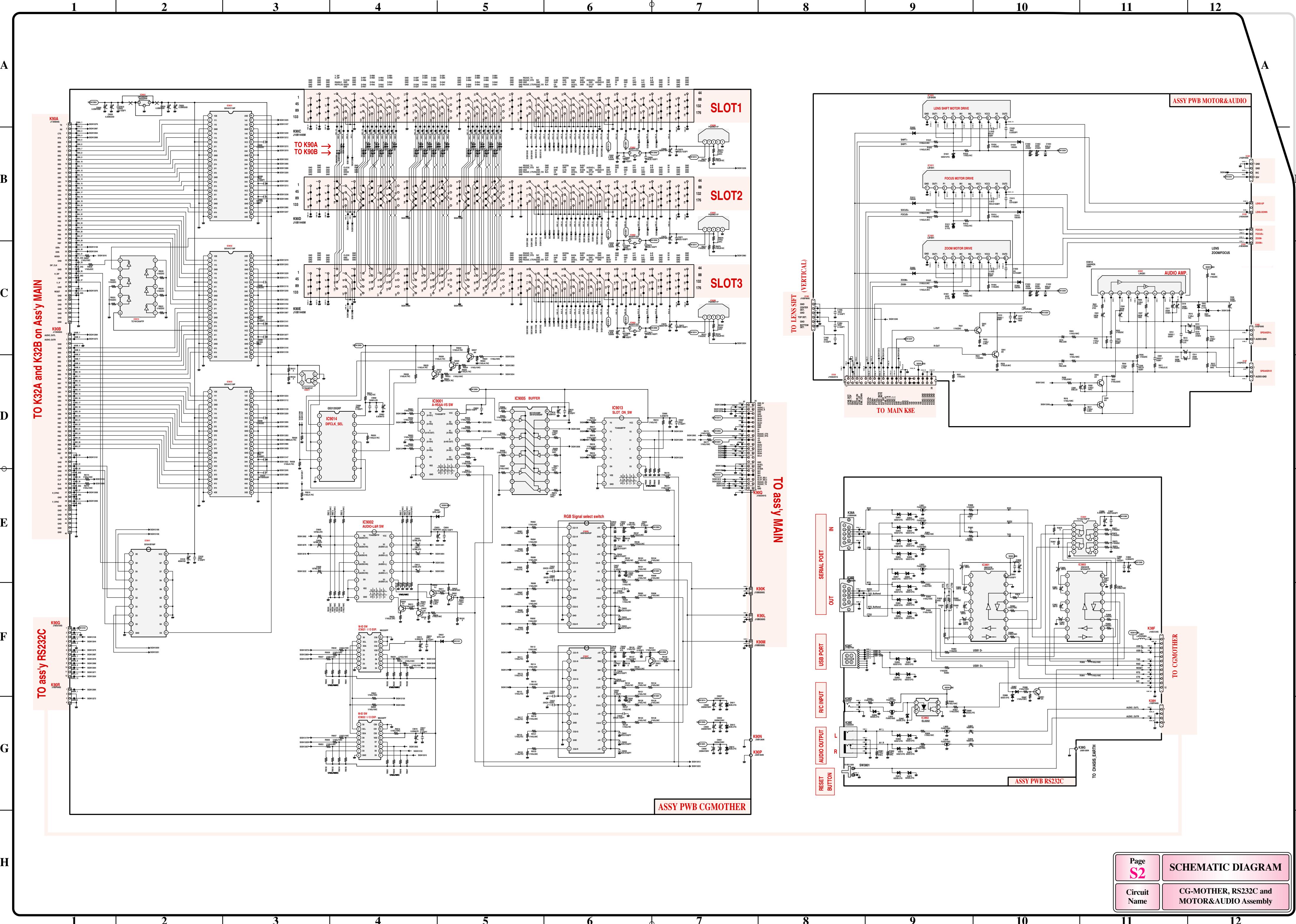
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C603	403 222 1303	CERAMIC 1000P K 1K	D651A	610 292 3223	HEAT SINK-D MV6A
C604	403 146 5500	ELECT 2.2U M 450V	D651B	411 047 0104	SCR PAN+SW+W 3X8
C605	403 070 0909	CERAMIC 0.1U K 50V	D652	407 164 2206	DIODE FMB-24L
C606	403 180 4101	MT-POLYEST 0.1U K 630V	D652B	411 047 0104	SCR PAN+SW+W 3X8
C607	403 126 4608	ELECT 100U M 25V	D653	407 190 4106	DIODE SFPL-52V
C608	404 085 7501	ELECT 820U M 250V	D655	407 164 2206	DIODE FMB-24L
C609	404 085 7501	ELECT 820U M 250V	D655B	411 047 0104	SCR PAN+SW+W 3X8
C611	403 332 7806	ELECT 2.2U M 200V	MISCELLANEOUS		
C612	403 237 7901	MT-COMPO 0.22U J 50V	K6D	645 008 4485	PLUG,10P
C613	403 113 3805	CERAMIC 1000P K 50V	▲ PC611	408 014 9703	PC CNY17F-3OPT1+6
C614	403 164 0204	CERAMIC 0.1U Z 25V		408 016 8803	PC PC113 (VDE0884)
C615	403 245 4404	CERAMIC 470P K 2K	▲ PC612	408 014 9703	PC CNY17F-3OPT1+6
C616	403 167 8603	CERAMIC 220P K 2K		408 016 8803	PC PC113 (VDE0884)
C617	403 083 6806	POLYPRO 0.056U J 400V	▲ VA601	407 130 2902	VARISTOR ENC471D-14A
C618	403 164 0204	CERAMIC 0.1U Z 25V	*****		
C619	403 164 0204	CERAMIC 0.1U Z 25V	■ Assembly PWB RGB-FANNET	610 305 2724	ASSY,PWB,RGB FANNET. MD7A
C621	403 148 1807	ELECT 220U M 35V	CAPACITOR		
C622	403 340 9205	ELECT 1U M 350V	C2691	403 358 1307	ELECT 330U M 25V
C623	403 157 6800	CERAMIC 680P K 50V	C2692	403 164 0204	CERAMIC 0.1U Z 25V
C625	403 147 9606	ELECT 1000U M 10V	C2693	403 358 1307	ELECT 330U M 25V
	403 301 2306	ELECT 1000U M 10V	C2694	403 164 0204	CERAMIC 0.1U Z 25V
C626	403 147 9606	ELECT 1000U M 10V	C2695	403 358 1307	ELECT 330U M 25V
	403 301 2306	ELECT 1000U M 10V	C2697	403 164 0204	CERAMIC 0.1U Z 25V
C650	403 134 6403	ELECT 2200U M 16V	C2698	403 358 1307	ELECT 330U M 25V
C651	403 134 6403	ELECT 2200U M 16V	C2699	403 358 1307	ELECT 330U M 25V
C652	403 164 0204	CERAMIC 0.1U Z 25V	RESISTOR		
C653	403 369 2409	ELECT 2700U M 25V	R2690	401 105 0603	MT-GLAZE 10K JA 1/16W
C654	403 369 2409	ELECT 2700U M 25V	R2691	401 105 0603	MT-GLAZE 10K JA 1/16W
C655	403 164 0204	CERAMIC 0.1U Z 25V	R2692	401 105 0603	MT-GLAZE 10K JA 1/16W
C656	403 164 0204	CERAMIC 0.1U Z 25V	R2693	401 105 0603	MT-GLAZE 10K JA 1/16W
C657	403 126 4806	ELECT 3300U M 10V	R2694	401 105 0603	MT-GLAZE 10K JA 1/16W
	403 313 6408	ELECT 3300U M 10V	R2695	401 105 0603	MT-GLAZE 10K JA 1/16W
C658	403 358 7309	ELECT 470U M 10V	DIODE		
C659	403 126 4806	ELECT 3300U M 10V	D2690	407 149 0807	DIODE 1SS355-TE-17
	403 313 6408	ELECT 3300U M 10V	D2691	407 149 0807	DIODE 1SS355-TE-17
C661	403 126 4806	ELECT 3300U M 10V	D2692	407 149 0807	DIODE 1SS355-TE-17
	403 313 6408	ELECT 3300U M 10V	D2693	407 149 0807	DIODE 1SS355-TE-17
C662	403 156 9208	ELECT 4.7U M 50V	D2694	407 149 0807	DIODE 1SS355-TE-17
RESISTOR			D2695	407 149 0807	DIODE 1SS355-TE-17
R600	401 008 8607	CARBON 220K JA 1/2W	MISCELLANEOUS		
R601	402 078 5701	WIRE WOUND 3.9 JA 7W	K46C	645 004 2898	PLUG,3P
R605	401 068 1501	OXIDE-MT 4.7 JA 2W	K56C	645 004 2928	PLUG,6P
R606	401 263 0101	MT-GLAZE 100K JA 1W	K56E	645 005 7373	PLUG,3P
R607	401 263 0101	MT-GLAZE 100K JA 1W	K56F	645 005 7373	PLUG,3P
R608	401 263 0101	MT-GLAZE 100K JA 1W	K56G	645 005 7373	PLUG,3P
R609	401 263 0101	MT-GLAZE 100K JA 1W	K56H	645 004 2898	PLUG,3P
R611	401 069 4402	OXIDE-MT 68K JA 2W	K56J	645 004 2898	PLUG,3P
R612	401 069 4402	OXIDE-MT 68K JA 2W	*****		
R614	401 240 7208	MT-GLAZE 33 JA 1/3W			
R615	401 105 5905	MT-GLAZE 560 JA 1/16W			
R616	401 258 8303	MT-GLAZE 150 JA 1/3W			
R617	401 105 0504	MT-GLAZE 1K JA 1/16W			
R618	401 105 0603	MT-GLAZE 10K JA 1/16W			
R619	402 079 7803	FUSIBLE RES 22 JH 1/4W			
R621	401 166 0802	MT-GLAZE 330 JA 1/2W			
R622	402 080 7809	MT-GLAZE 150 KA 1W			
R623	402 080 7908	MT-GLAZE 180 KA 1W			
R653	401 105 5905	MT-GLAZE 560 JA 1/16W			
R654	401 105 0306	MT-GLAZE 10 JA 1/16W			
R655	401 105 0504	MT-GLAZE 1K JA 1/16W			
R656	402 079 7704	FUSIBLE RES 1.0 JH 1/4W			
R657	401 105 5103	MT-GLAZE 47 JA 1/16W			
VARIABLE RESISTOR					
VR652	645 002 3521	VR,SEMI,470 S			
TRANSFORMER					
▲ T621	645 043 3832	TRANS,POWER,PULSE			
COIL					
▲ L611	645 047 0493	INDUCTOR,4M			
DIODE					
▲ DB601	407 141 1000	DIODE RBV-408			
DB601A	610 292 3193	HEAT SINK-A MV6A			
DB601B	411 047 0104	SCR PAN+SW+W 3X8			
DS601	407 175 2400	THYRISTOR CR12AM-12			
	407 231 3501	THYRISTOR CR12CM-12A			
DS601B	411 047 0104	SCR PAN+SW+W 3X8			
DZ611	407 175 2806	ZD 02CZ12Y(TE85R)			
DZ655	407 198 6607	ZD 02CZ6.8Z(TE85R)			
D601	407 009 6901	DIODE RM11C			
D602	407 009 6901	DIODE RM11C			
D603	407 009 6901	DIODE RM11C			
D611	407 190 4106	DIODE SFPL-52V			
D612	407 124 6800	DIODE AG01A			
D613	407 190 4106	DIODE SFPL-52V			
D651	407 202 9808	DIODE FMB-26L			

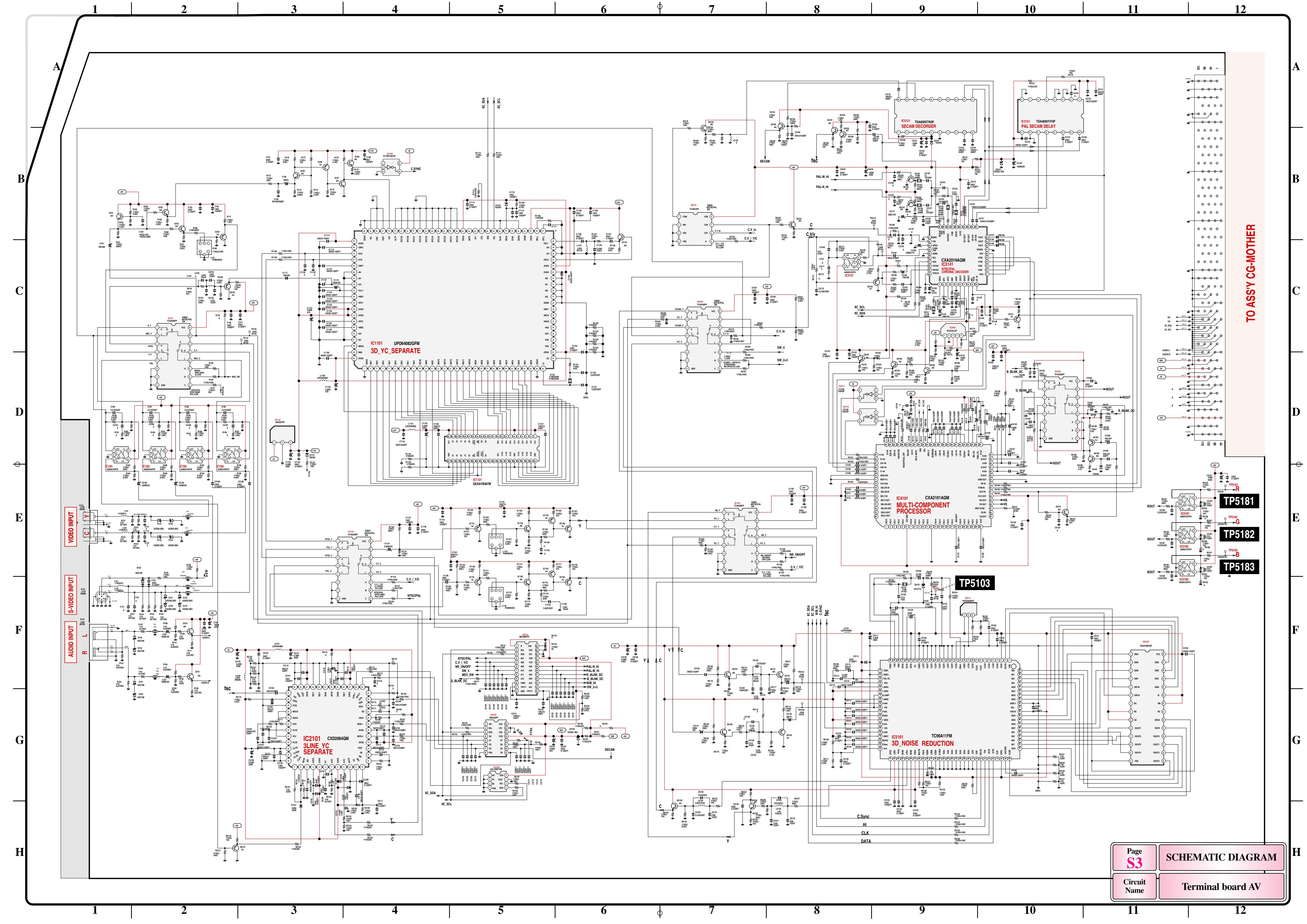
Electrical Parts List

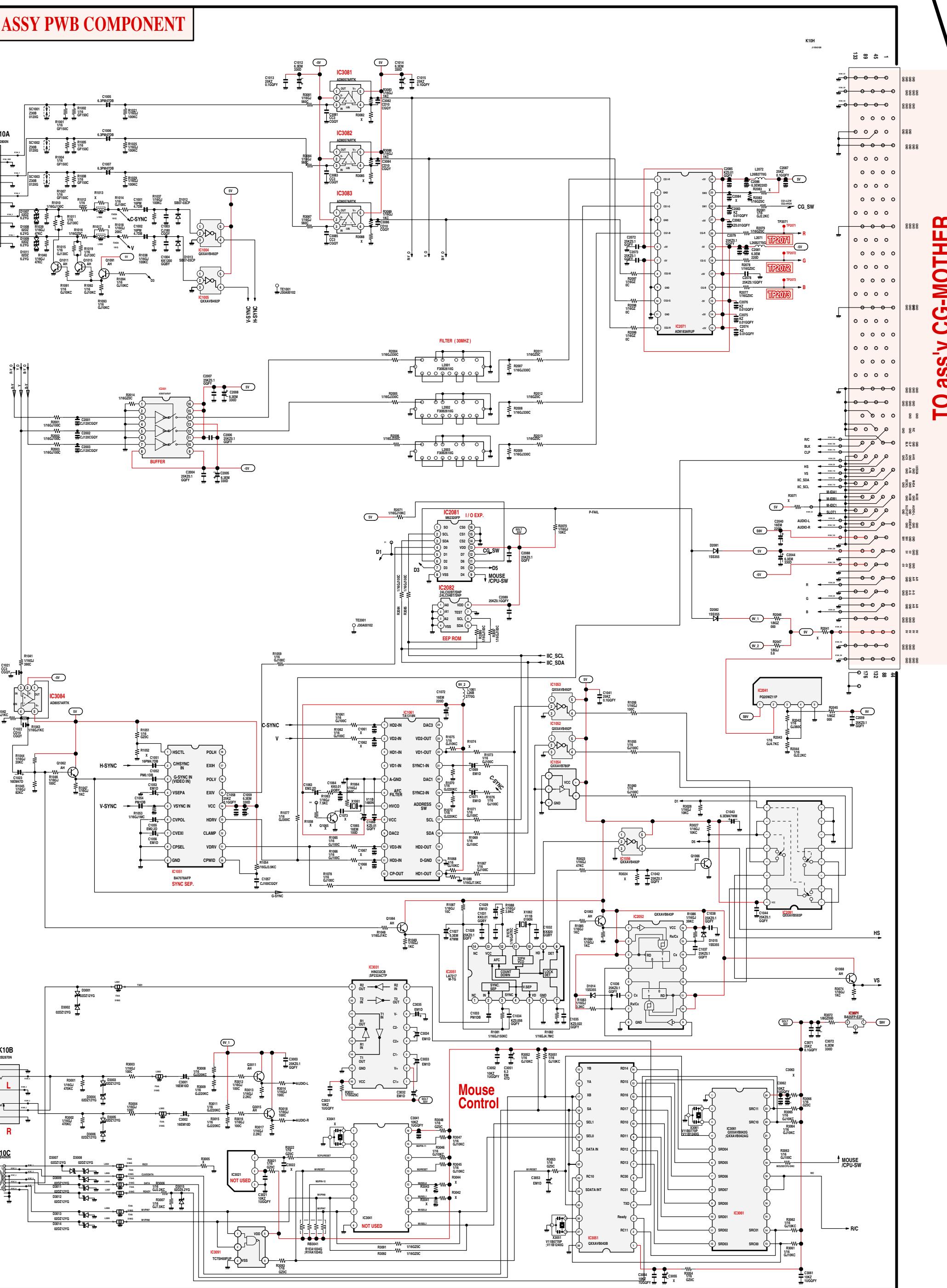
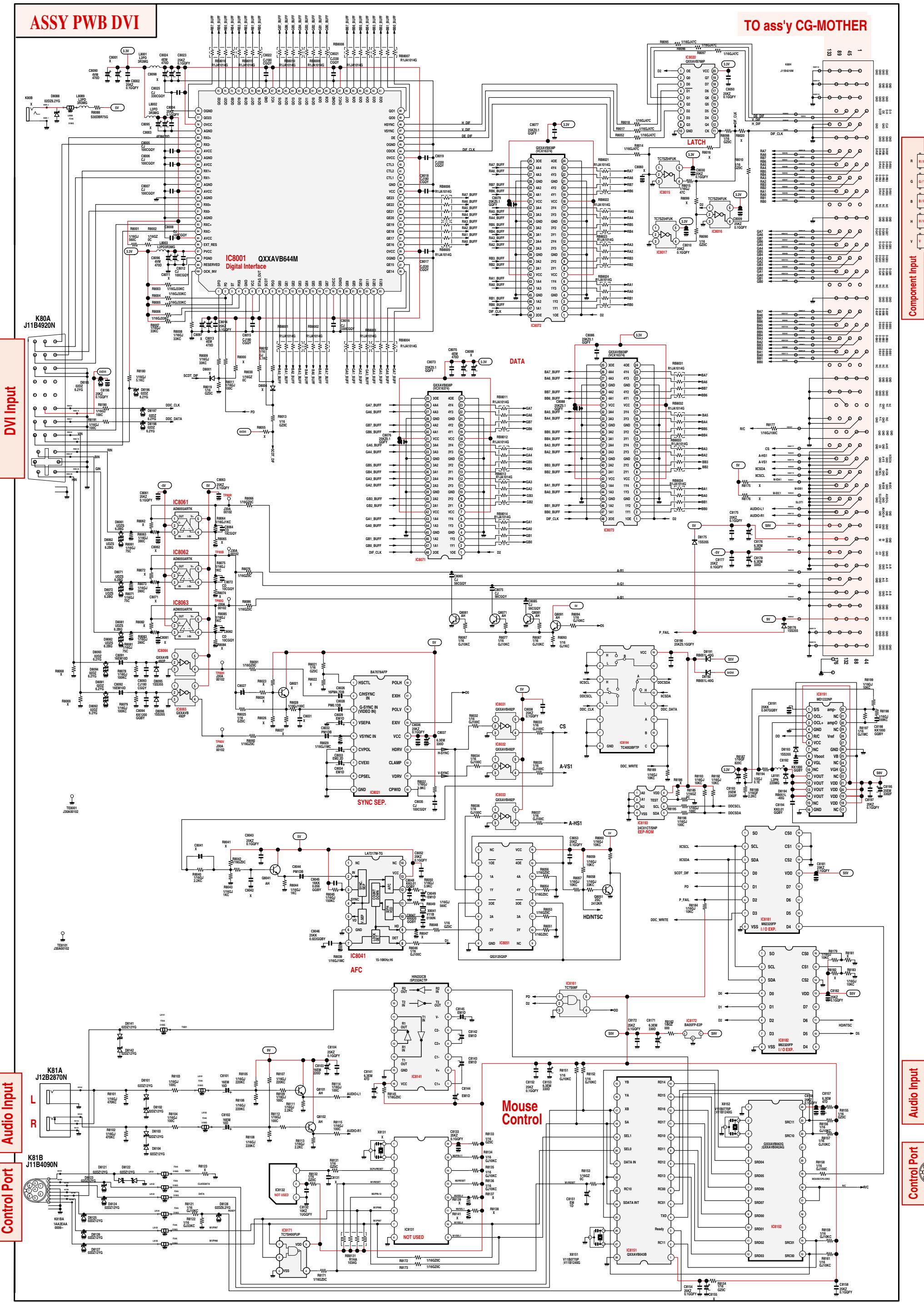
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description	
■ Assembly PWB LENS-NET						
610 305 2731 ASSY,PWB,LENS NET MD7A						
MISCELLANEOUS						
K56X	645 004 2706	PLUG, 4P				
K56Y	645 004 2706	PLUG, 4P				
■ Assembly PWB F-G NET						
610 305 2748 ASSY,PWB,F-G NET. MD7A						
MISCELLANEOUS						
K56V	645 036 1326	TERMINAL				
K56W	645 036 1326	TERMINAL				
■ Assembly PWB OPTICAL FANNET						
610 305 2755 ASSY,PWB,OPTICAL FANNET						
CAPACITOR						
C2641	403 358 1109	ELECT 100U M 25V				
C2642	403 113 3805	CERAMIC 1000P K 50V				
C2643	403 215 1006	CERAMIC 470P J 50V				
RESISTOR						
R2640	401 190 1400	MT-GLAZE 0.000 ZA 1/2W				
R2642	401 105 0603	MT-GLAZE 10K JA 1/16W				
R2643	401 190 1400	MT-GLAZE 0.000 ZA 1/2W				
R2644	401 105 0603	MT-GLAZE 10K JA 1/16W				
R2646	401 105 0603	MT-GLAZE 10K JA 1/16W				
R2647	401 105 0603	MT-GLAZE 10K JA 1/16W				
R2649	401 190 1400	MT-GLAZE 0.000 ZA 1/2W				
DIODE						
D2642	407 149 0807	DIODE 1SS355-TE-17				
D2643	407 149 0807	DIODE 1SS355-TE-17				
D2644	407 149 0807	DIODE 1SS355-TE-17				
D2646	407 149 0807	DIODE 1SS355-TE-17				
MISCELLANEOUS						
TP2641	610 012 3991	JUNPER LEAD				
K56K	645 004 2911	PLUG, 5P				
K56L	645 004 2904	PLUG, 4P				
K56M	645 004 2904	PLUG, 4P				
K56N	645 005 7373	PLUG, 3P				
K56P	645 004 2898	PLUG, 3P				
K56Q	645 004 2898	PLUG, 3P				
K56R	645 004 2898	PLUG, 3P				
K56S	645 004 2898	PLUG, 3P				
■ ACCESSORIES 009MD7A						
645 015 3976	CABLE ,FXAF					
610 234 0969	CABLE					
645 054 3098	CABLE ,MOUSE MAC					
645 054 3104	CABLE ,MOUSE MAC					
645 039 7196	CABLE ,MOUSE MAC					
645 054 3111	CABLE ,MOUSE PS/2					
645 054 3128	CABLE ,MOUSE PS/2					
645 039 7202	CABLE ,MOUSE PS/2					
645 054 3135	CABLE ,MOUSE SRAL					
645 054 3142	CABLE ,MOUSE SRAL					
645 039 7219	CABLE ,MOUSE SRAL					
610 299 7248	COMPL,COVER LENS B-MV6K (Including “*”)					
*	610 290 9258	COVER LNS B-MV6A				
*	610 293 8937	COVER LNS C-MV6A				
*	610 299 6302	COVER LENS E-MV6A				
*	610 303 8742	COMPL,MOUNTING LENS A-MT8A (Including “**”)				
**	411 176 8101	BOLT HEX-SCT 4X8				
**	610 303 6991	ASSY,MOUNTING LENS A-MT8A				
**	610 303 8889	CASE LENS ATTACHMENT ASSY				
**	610 089 6994	STAPLE-NO10				
**	610 304 6228	COMPL,MOUNTING LENS A-IDJU (Including “***”)				
***	610 304 6235	ASSY,MOUNTING LENS A-IDJK				
***	610 305 7644	CASE LENS ATTACHMENT ASSY				
***	610 304 1780	BAG LENS SHIFT ATTACHMENT				
***	610 305 8221	LENS INST MANUAL-MY8A-A				
***	610 303 9596	COMPL,MOUNTING COVER-MY8A (Including “****”)				
****	610 299 6326	MOUNTING COVER-MV6A				
****	610 301 6658	ASSY,SPACER BF-MY8A (Including “*****”)				
*****	610 301 4067	SPACER SHEET DIA8*T0.1-MV				
*****	610 301 4180	SPACER SHEET DIA8*T0.2-MV				
*****	610 301 4197	SPACER SHEET DIA8*T0.3-MV				
610 294 3344	COVER,DUST-MV6A					
AA9901	645 047 7867	ASSY,REMOCON CXJT				
A9901C	610 283 3867	RC-BATTERY LID-CXFJ				
645 057 4597	DISC,CD-ROM					
645 031 8207	ADAPTOR,MAC/IBM					
645 043 9704	ADAPTOR,DVI/VGA					
645 043 3702	CABLE,DVI-D					
645 057 2999	CABLE,INTERFACE VGA					
Use the following parts for model “ PLC-XF31 ” and “ PLC-XF31N . ”						
610 305 1376	OWNER'S MANUAL-MD7A					
610 305 1383	OWNER'S MANUAL-MD7A-D					
610 305 1390	OWNER'S MANUAL-MD7A-F					
610 305 1406	OWNER'S MANUAL-MD7A-I					
610 305 1413	OWNER'S MANUAL-MD7A-E					
▲ 645 002 9189	CORD,POWER-3.0MK,UL					
▲ 645 002 9196	CORD,POWER-3.0MK,EU					
▲ 645 003 1137	CORD,POWER-3.0MK,UK					
Use the following parts only for model “ PLC-XF31NL . ”						
610 305 1376	OWNER'S MANUAL-MD7A					
▲ 645 002 9189	CORD,POWER-3.0MK,UL					

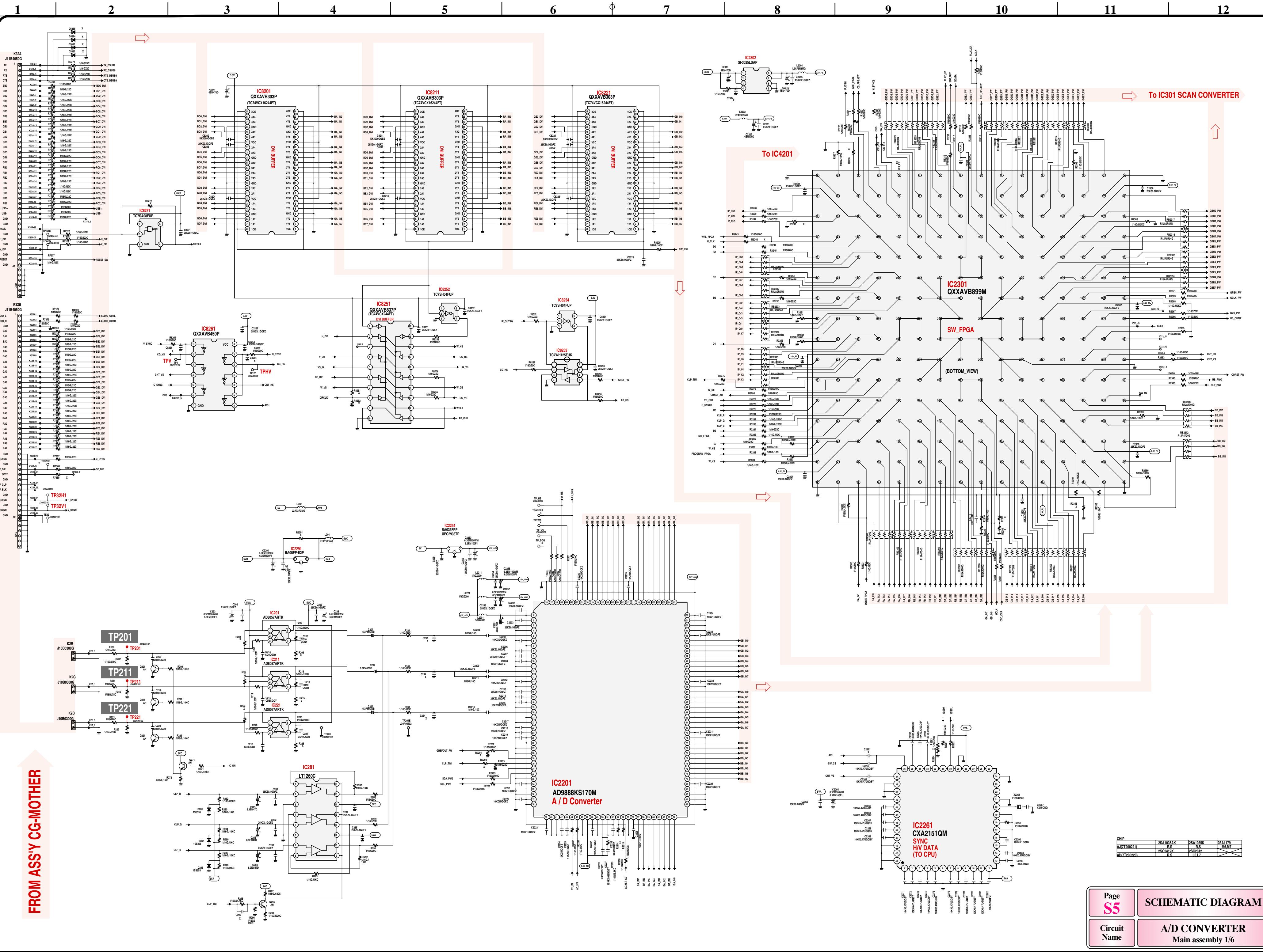
SANYO

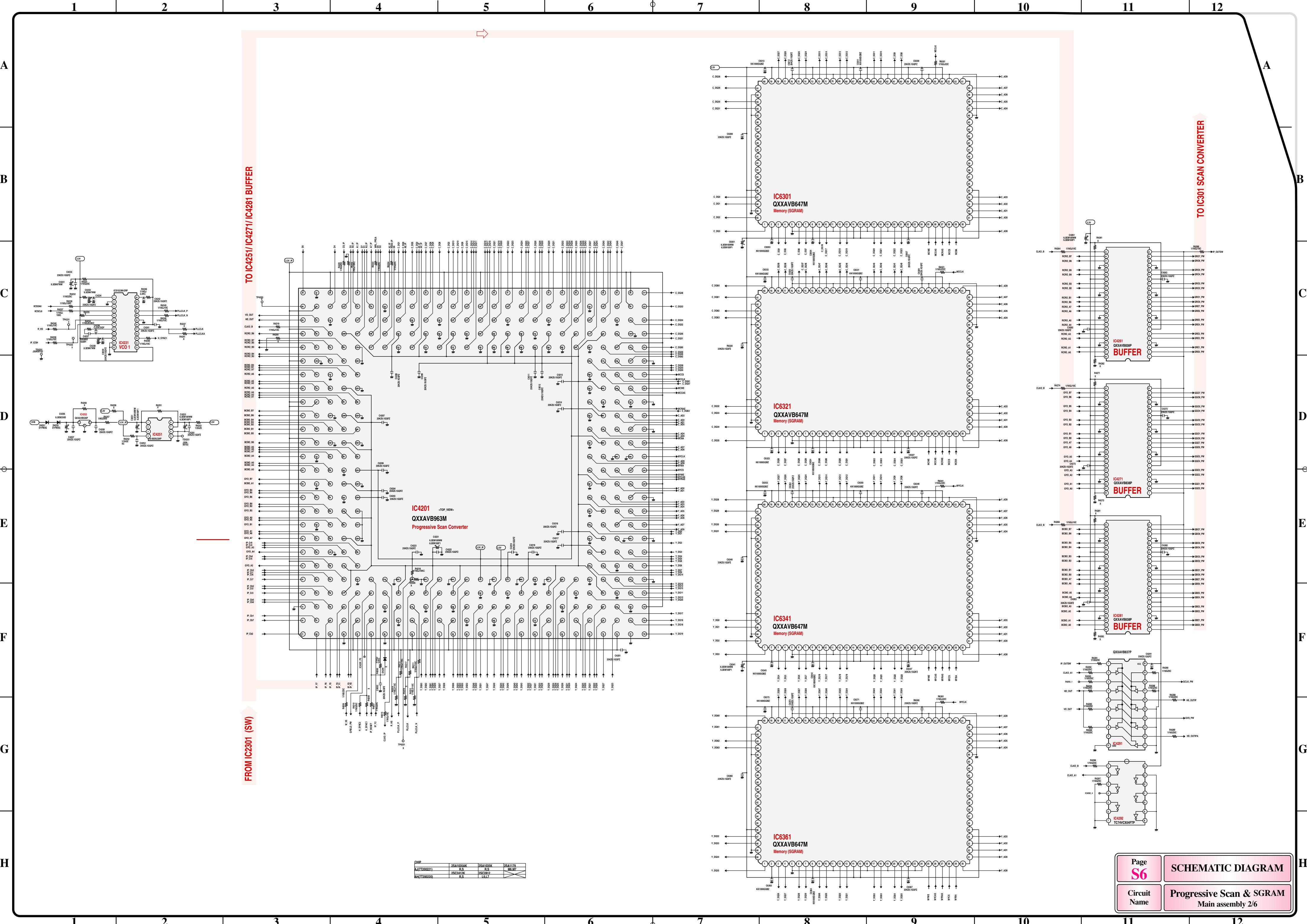


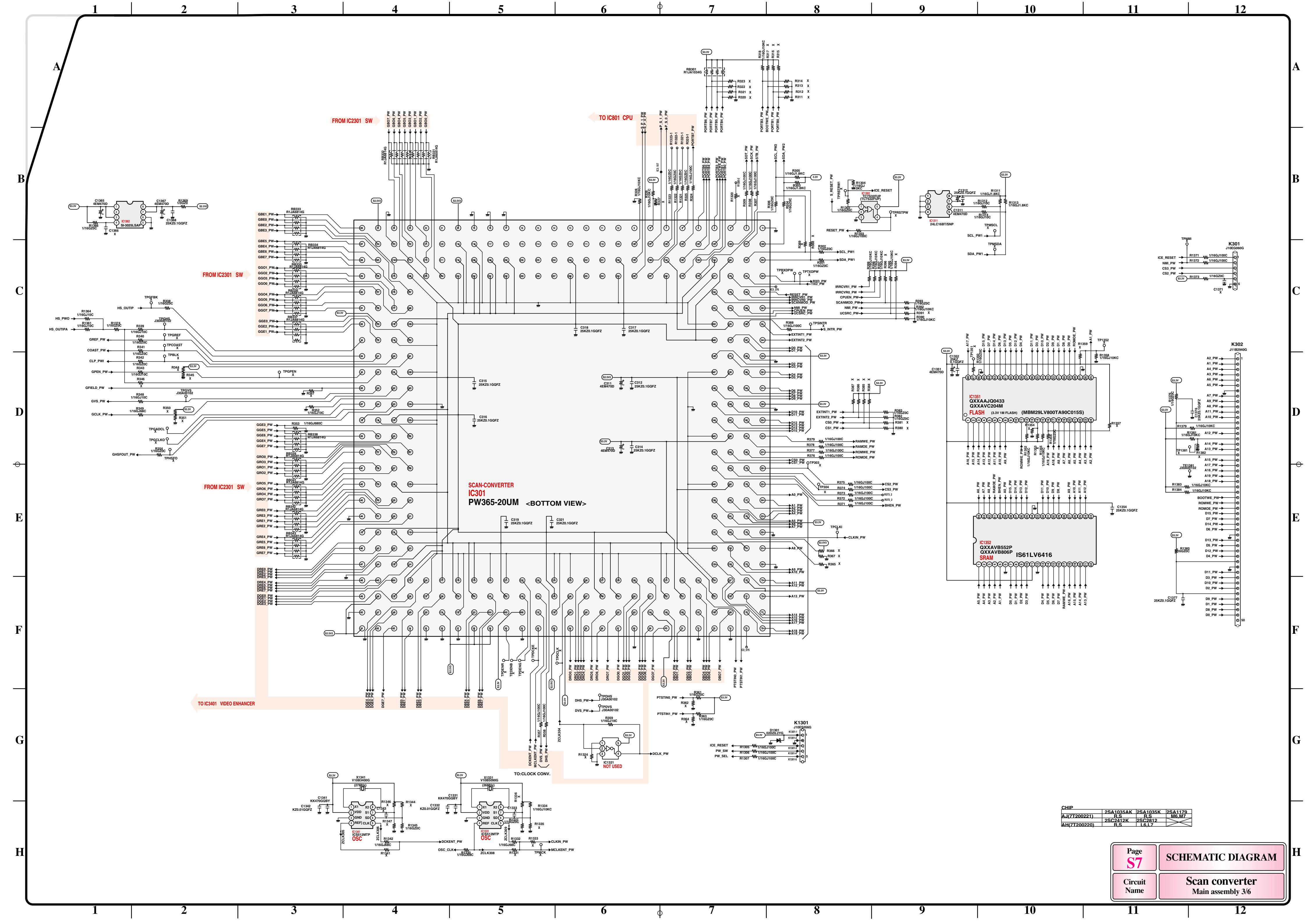


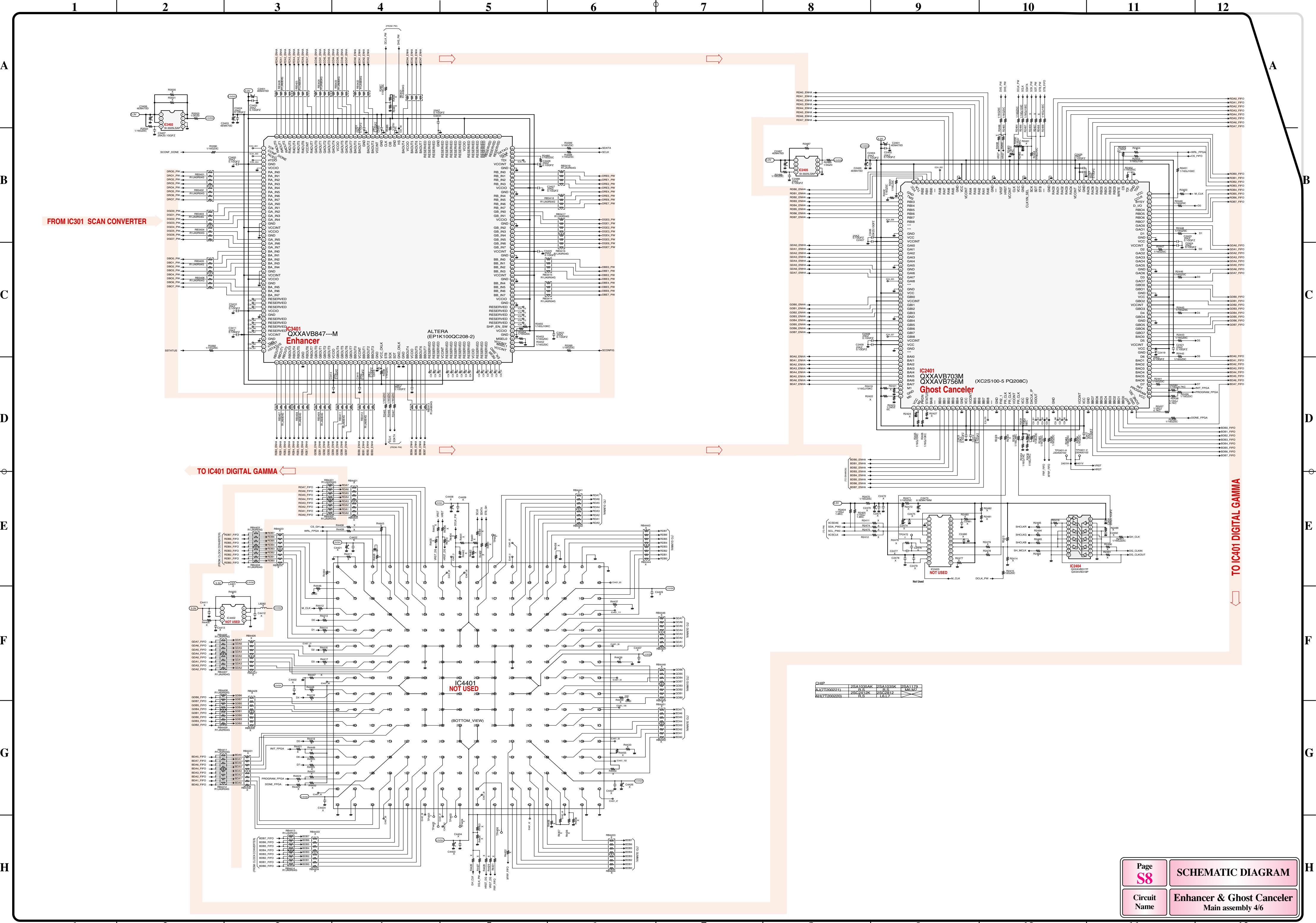


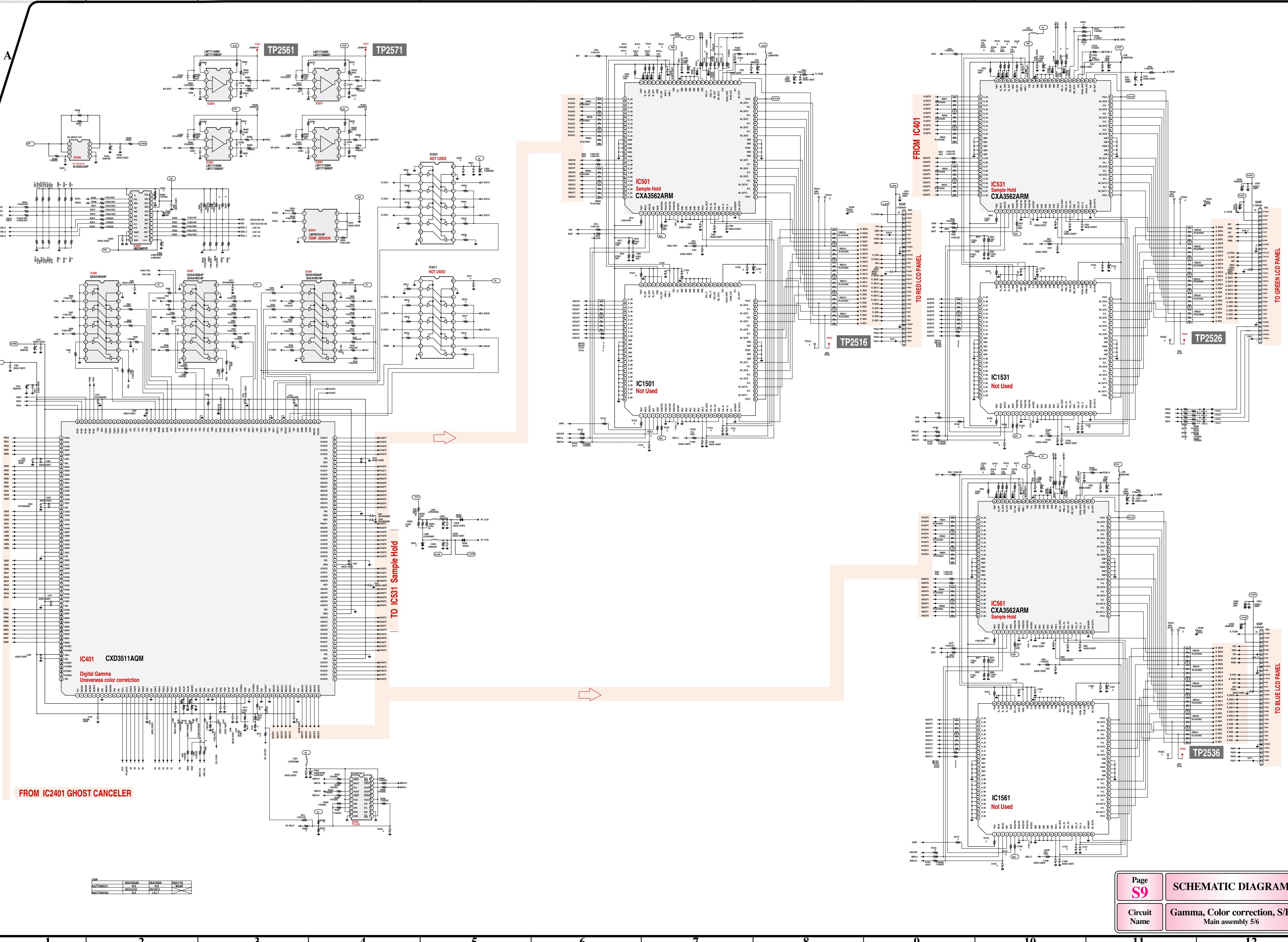


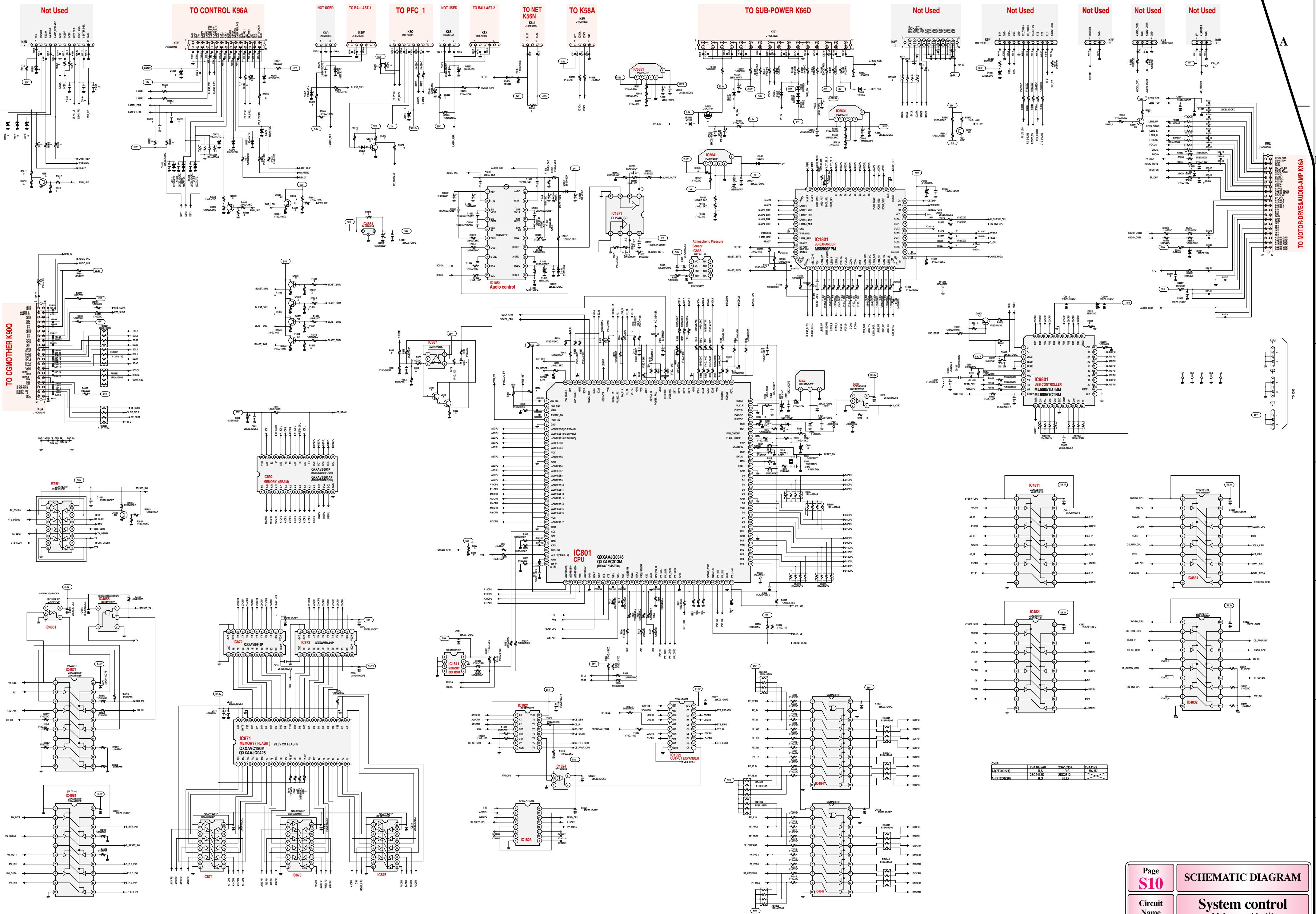


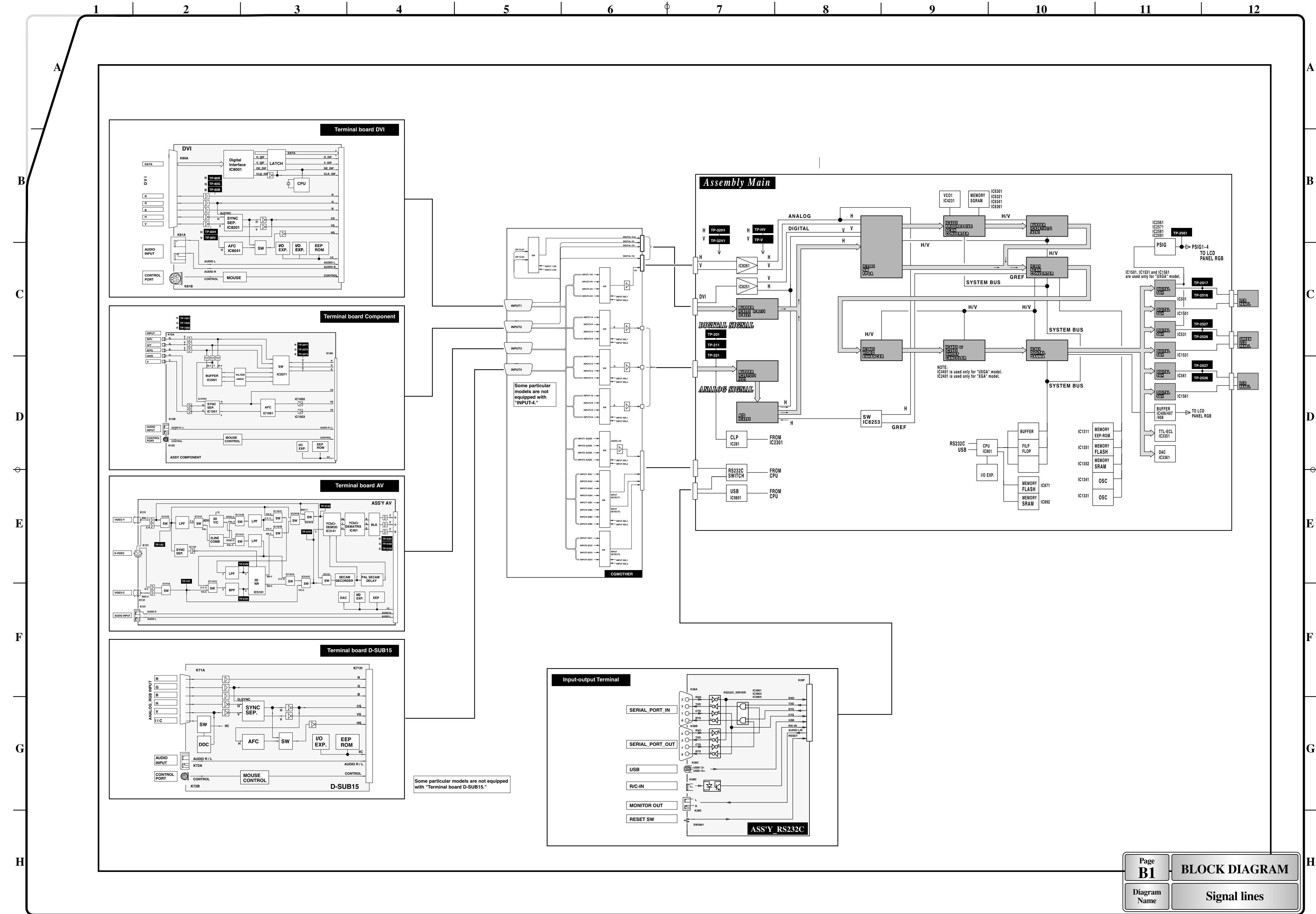


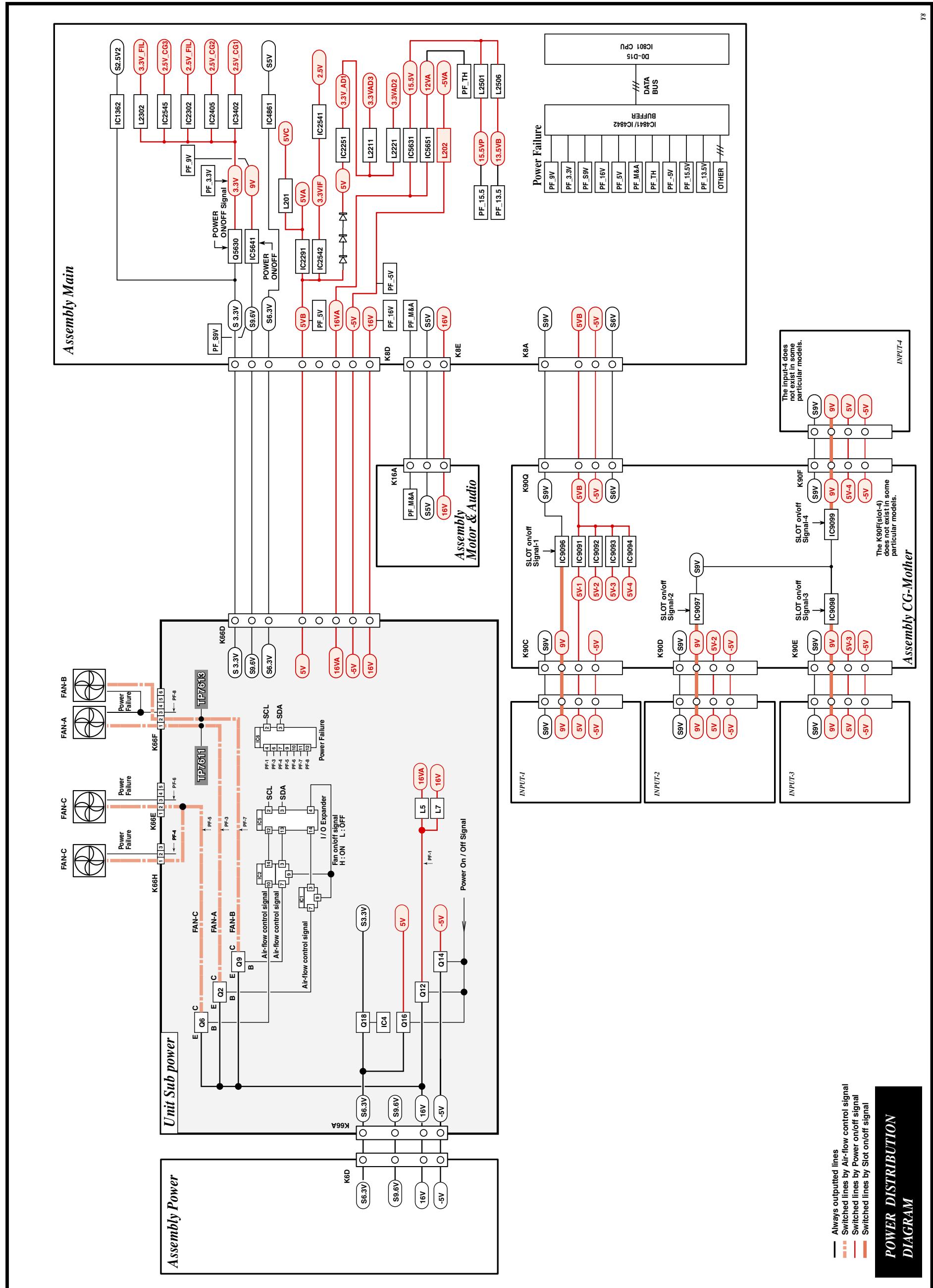
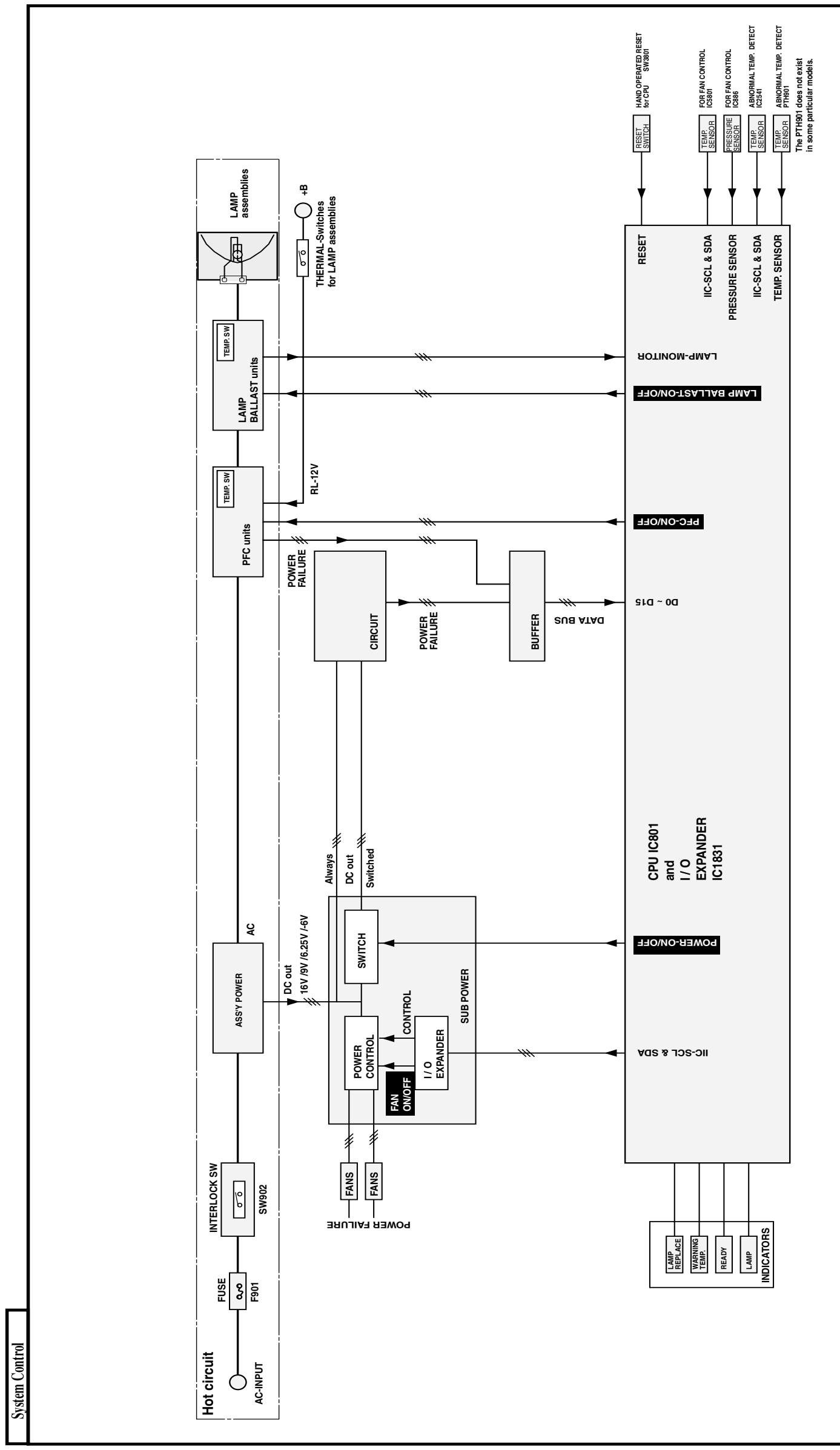


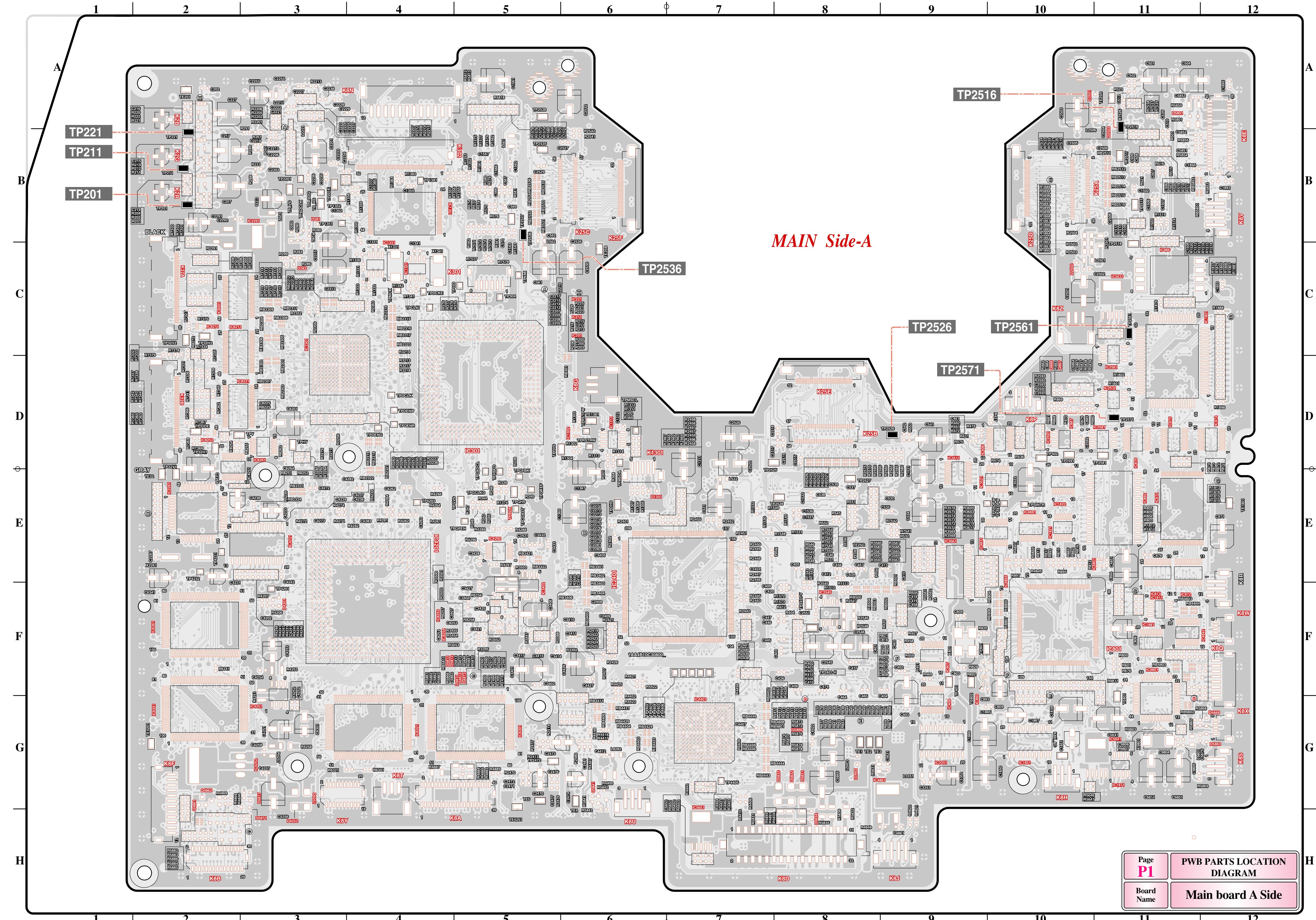




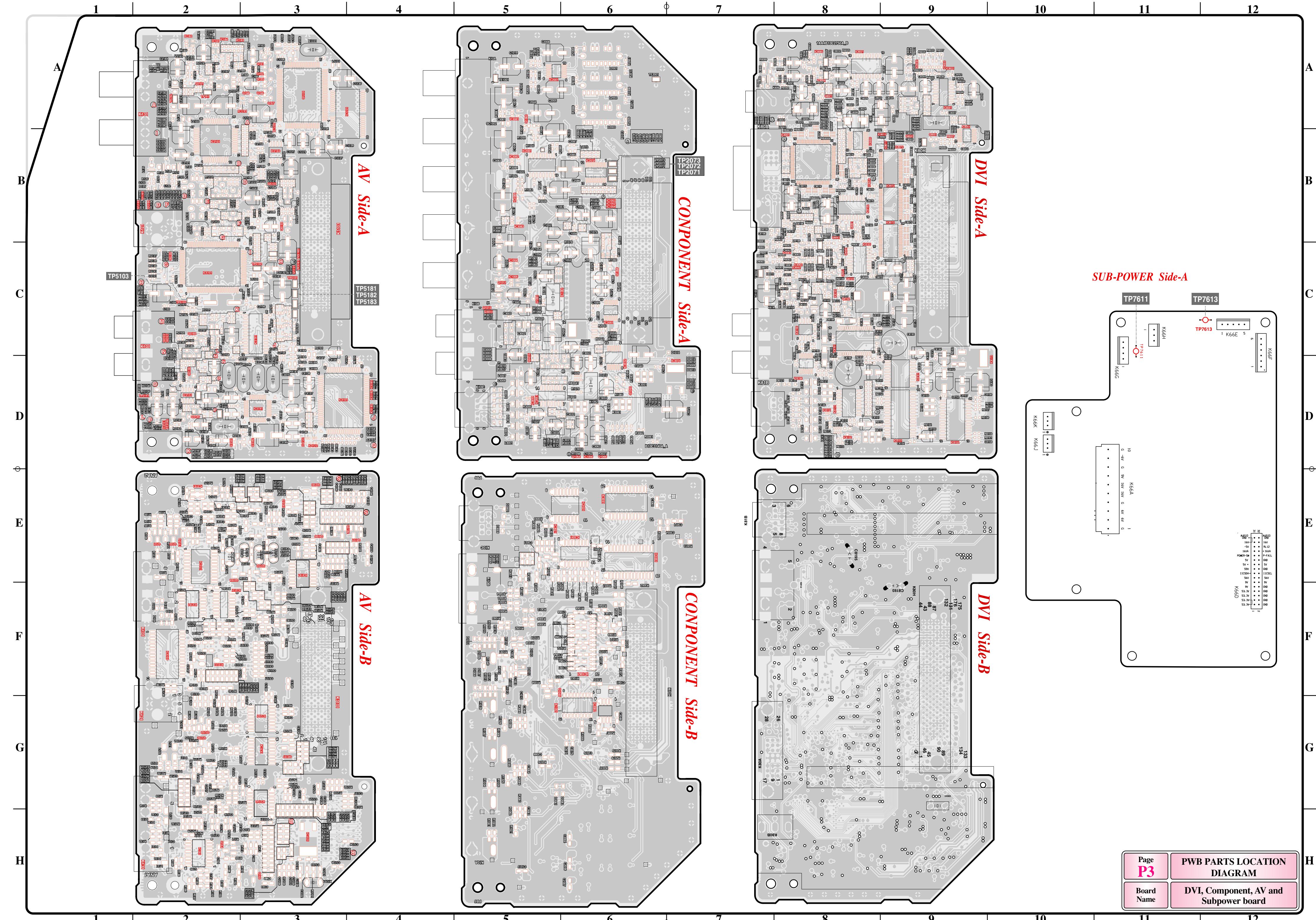












Page P3	PWB PARTS LOCATION DIAGRAM
Board Name	DVI, Component, AV and Subpower board

