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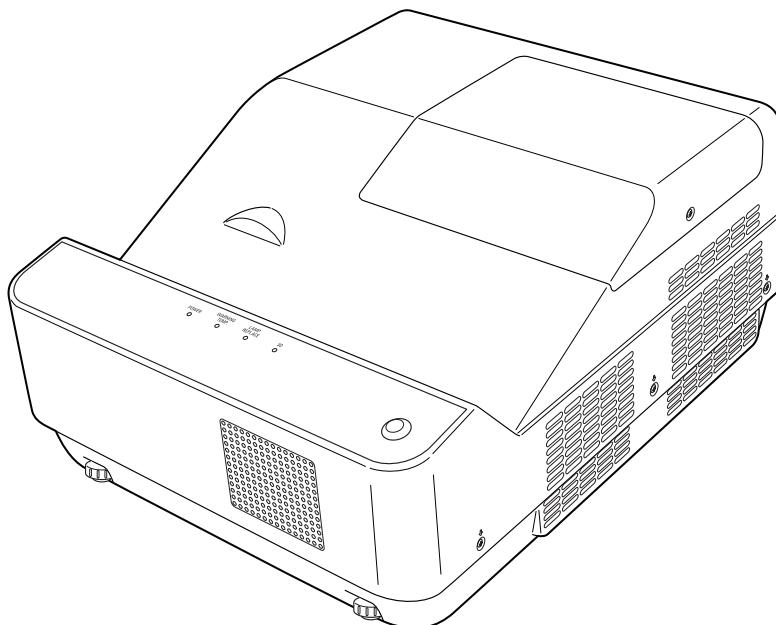
SERVICE MANUAL

Multimedia Projector

Model No. PDG-DXL2000E

U.S.A, Canada, Europe,
U.K, Asia, Brazil

Original Version



Chassis No. KV2-DXL2000E00

Match the Chassis No. on the rating label on the projector with the Chassis No. in the Service Manual. If the Original Version Service Manual Chassis No. does not match the projector's, additional Service Literature is required. You must refer to "Notices" to the Original Service Manual prior to servicing.

PRODUCT CODE

- 1 122 567 00 (KV2AC) USA, Canada
- 1 122 567 04 (KV2EC) Brazil
- 1 122 566 00 (LV2AC) Asia
- 1 122 566 02 www.pureglare.com.au HK
- 1 122 566 03 (LV2DC) Europe, UK

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Safety Instructions

Safety Precautions

WARNING:

The chassis of this projector is isolated (COLD) from AC line by using the converter transformer. Primary side of the converter and lamp power supply unit circuit is connected to the AC line and it is hot, which hot circuit is identified with the line () in the schematic diagram. For continued product safety and protection of personnel injury, servicing should be made with qualified personnel.

The following precautions must be observed.

1: An isolation transformer should be connected in the power line between the projector and the AC line before any service is performed on the projector.

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

3: 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.

4: Before replacing the cabinet cover, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside.

Before returning any projector to the customer, the service personnel must be sure it is completely safe to operate without danger of electric shock.

Product Safety Notice

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 these parts must be made by exactly the same parts.

Service Personnel Warning

Eye damage may result from directly viewing the light produced by the Lamp used in this equipment. Always turn off Lamp before opening cover. The Ultraviolet radiation eye protection required during this servicing. Never turn the power on without the lamp to avoid electric-shock or damage of the devices since the stabilizer generates high voltages (15kV - 25kV) at its starts.

Since the lamp is very high temperature during units operation replacement of the lamp should be done at least 45 minutes after the power has been turned off, to allow the lamp cool-off.

Specifications

Mechanical Information

Projector Type	Multi-media Projector
Dimensions (W x H x D)	12.6" x 6.7" x 15.2" (321.0 mm x 170.0 mm x 385.0 mm) (Not including protrusions)
Net Weight	13.7 lbs (6.2 kg)
Feet Adjustment	±1.0°

DLP Chip

Projection System	0.55" Single DLP chip, 6 segment Color Wheel
Number of Pixels	786,432 pixels (1,024 x 768 dots)

Signal Compatibility

Color System	PAL, SECAM, NTSC, NTSC4.43, PAL-M, and PAL-N
SD/HDTV Signal	Component: 480i, 480p, 575i, 575p, 720p and 1080i HDMI: 480p, 575p, 720p and 1080i
Input Scanning Frequency	H-sync. 15 kHz-93 kHz, V-sync. 50-120 Hz

Optical Information

Projection Image Size (Diagonal)	Adjustable from 55" to 90"
Throw Distance	0.82' - 1.43' (25.1 cm - 43.7 cm)
Projection Lens	F 2.5 lens with f 4.83 mm with manual focus
Projection Lamp	275 W

Interface

Video Input Jack	RCA Type x 1
S-Video Input Jack	Mini DIN 4 pin x 1
Audio Input Jacks	RCA Type x 2
Computer Input 1 / Component Input Terminal	Analog RGB (Mini D-sub 15 pin) Terminal x 1
Computer Input 2 / Monitor Output Terminal	Analog RGB (Mini D-sub 15 pin) Terminal x 1 (In/Out switchable)
Computer 1/ Component Audio Input Jack	Mini Jack (stereo) x 1
Computer 2 Audio Input Jack	Mini Jack (stereo) x 1
Audio Output Jack	Mini Jack (stereo) x 1 (Variable)
HDMI	HDMI (V.1.3 with Deep Color) x 1
Control port	D-sub 9 pin x 1
LAN Connection Terminal	RJ-45 x 1
3D Sync Output	Mini DIN 3 pin x 1

Audio

Internal Audio Amp	10 W RMS
Built-in Speaker	1 speaker, ø1.46" (37 mm)

Power

Voltage and Power Consumption	AC 100–120 V (4.4 A Max. Ampere), 50/60 Hz (The U.S.A and Canada) AC 100–240 V (4.4 - 2.3 A Max. Ampere), 50/60 Hz (For other countries)
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Operating Environment

Operating Temperature	41°F–104°F (5 °C–40 °C)
Storage Temperature	14°F–140°F (-10°C–60 °C)

Remote Control

Battery	AAA or LR03 1.5V ALKALINE TYPE x 2
Operating Range	16.4' (5 m)/±30°
Dimensions	2.0" (W) x 0.7" (H) x 4.3" (D) (52 mm x 18 mm x 110 mm)
Net Weight	2.37 oz (67 g) (including batteries)

Accessories

- Owner's Manual(CD-ROM)
- Quick Reference Guide
- AC Power Cord
- Remote Control and Batteries
- VGA Cable
- PIN Code Label

- The specifications are subject to change without notice.
- DLP chips are manufactured to the highest possible standards. A tiny fraction of pixels may be ineffective or always lit, but this is not a malfunction.



This symbol on the nameplate means the product is Listed by Underwriters Laboratories Inc. It is designed and manufactured to meet rigid U.L. safety standards against risk of fire, casualty and electrical hazards.

Circuit Protections

This projector provides the following circuit protections to operate in safety. If the abnormality occurs inside the projector, it will automatically turn off by operating one of the following protection circuits.

Thermal switch

There is the thermal switch (SW902) inside of the projector to detect the internal temperature rising abnormally. When the internal temperature reaches near 120°C, the thermal switch opens to cut off the power to the power circuit.

The thermal switch can be reset itself automatically when the internal temperature becomes normal.

When the internal temperature reaches near 80°C, the thermal switch returns automatically.

Fuse

A fuse is located inside of the projector. When the POWER indicator is not lighting, the fuse may be opened. Check the fuse as following steps.

The fuse should be used with the type listed right;

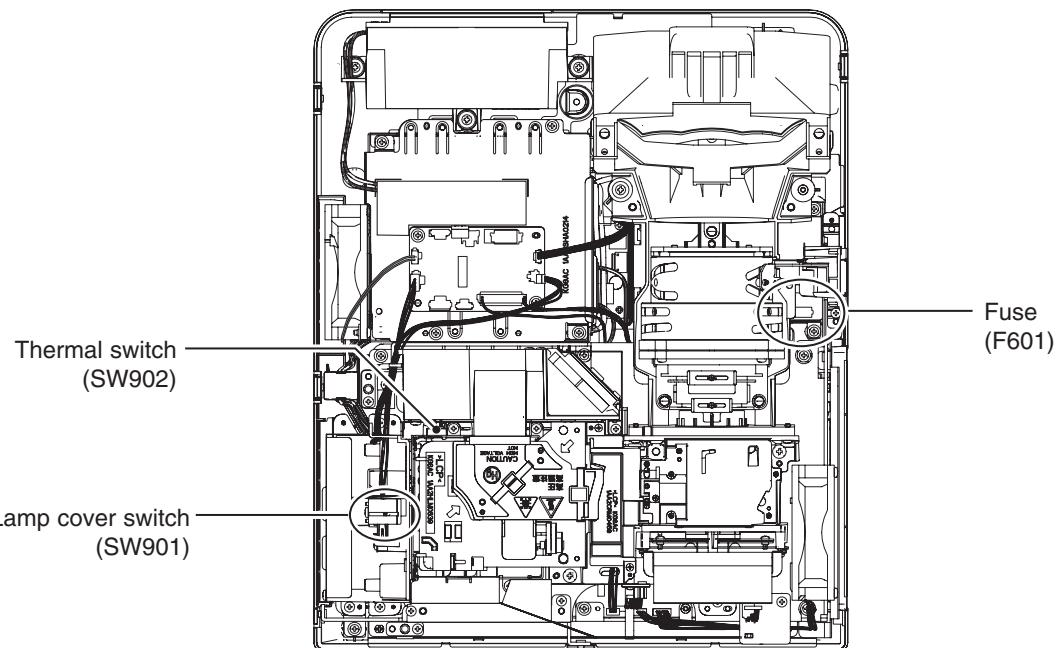
Lamp cover switch

The lamp cover switch (SW901) cuts off the drive signal to the lamp circuit when the lamp cover is removed or not closed completely. After opening the lamp cover for replacing the lamp ass'y, place the lamp cover correctly otherwise the projector can not turn on.

**Fuse Part No.: 323 025 1204
TYPE 8A 250V FUSE
LITTLE FUSE INC. TYPE 215008**

How to replace the fuse

1. The fuse is placed on the filter board behind the optical unit. Remove the cabinet top.
2. Take the fuse off from the filter board, and replace the new one with the specified type.

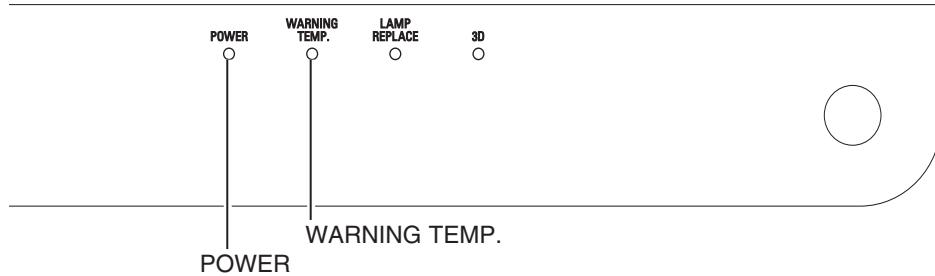


Circuit Protections

Warning temperature and power failure protection

The projector will be automatically turned off when the internal temperature of the projector is abnormally high, or the cooling fans stop spinning, or the power supplies in the projector are failed.

Indicators



The projector is shut down and the WARNING indicator is blinking red.

When the temperature inside the projector reaches a certain level, the projector will be automatically shut down to protect the inside of the projector and the WARNING and POWER indicators start blinking. When the projector has cooled down enough (to its normal operating temperature), the POWER indicator stops blinking and lights red. The projector can be turned on again by pressing the ON/STAND-BY button.

✓Note:

The WARNING indicator continues to blink even after the temperature inside the projector returns to normal. When the projector is turned on again, the WARNING indicator stops blinking.

Check items

- Remove dust around the air filter.
- Ventilation slots of the projector are blocked. In such an event, reposition the projector so that ventilation slots are not obstructed.
- Check if projector is used at higher temperature place (Normal operating temperature is 5 to 35 °C or 41 to 95°F)

The projector is shut down and the WARNING indicator lights red.

When the projector detects an abnormal condition, it is automatically shut down to protect the inside of the projector and the WARNING indicator lights red. In this case, unplug the AC power cord and reconnect it, and then turn the projector on once again to verify operation.

✓Note:

- If the WARNING indicator lights red, it may defect the cooling fans or power supply circuits. Check fans operation and power supply lines referring to the chapter "Power supply & protection circuit" and "Fan control circuit" in the Chassis Block Diagram section.



WARNING

DO NOT LEAVE THE PROJECTOR WITH THE AC POWER CORD CONNECTED UNDER AN ABNORMAL CONDITION. IT MAY RESULT IN FIRE OR ELECTRIC SHOCK.

Maintenance

Replacing the filter

Filter prevents dust from accumulating on the optical elements inside the projector. Should the filter become clogged with dust particles, it will reduce cooling fans' effectiveness and may result in internal heat buildup and adversely affect the life of the projector. If a "Filter warning" icon appears on the screen, replace the filter immediately by following the steps below.

- 1** Turn off the projector, and unplug the AC power cord from the AC outlet.
- 2** First, clean up the dust on the projector and around the air vents.
- 3** Loosen the screw and open the lamp cover and lift the filter out of the projector.
- 4** Reinstall the filter completely and close the lamp cover and secure the screw.
- 5** Connect the AC power cord to the projector and turn on the projector.
- 6** Reset the filter counter.



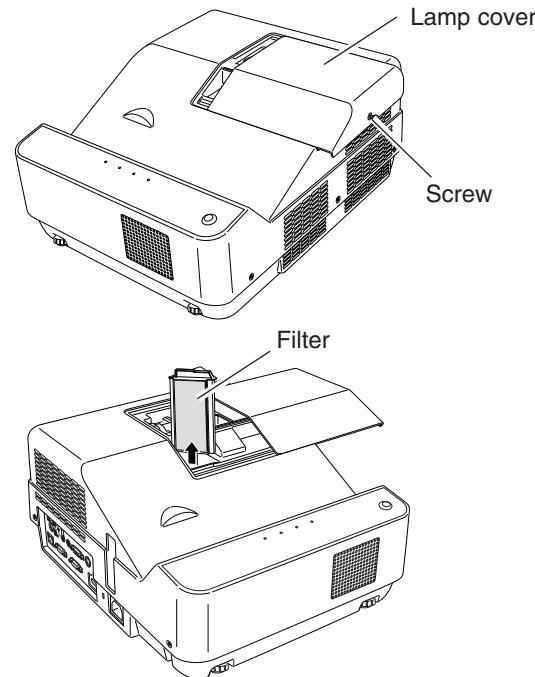
CAUTION

- Do not operate the projector with the filter removed. Dust may accumulate on the optical elements degrading picture quality.
- Do not put anything into the air vents. Doing so may result in malfunction of the projector.
- Do not wash the filter with water or any other liquid matter. Otherwise the filter may be damaged.

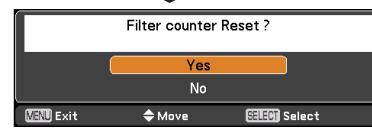
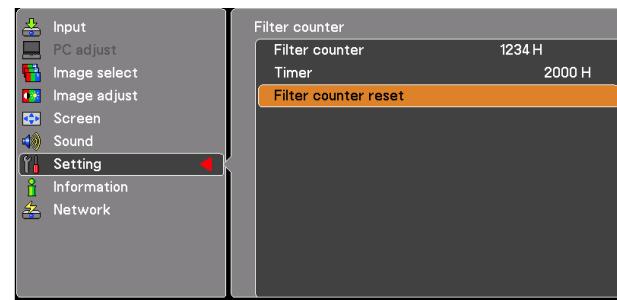
RECOMMENDATION

We recommend avoiding dusty/smoky environments when you operate the projector. Usage in these environments may cause poor image quality.

When using the projector under dusty or smoky conditions, dust may accumulate on a lens, or optical elements inside the projector degrading the quality of a projected image. When the symptoms above are noticed, clean up the lens or other optical parts by referring to the chapter "Cleaning the projector".



Filter counter



Filter counter Reset? appears.

Select **Yes**, then another confirmation box appears.



Select **Yes** again to reset the Filter counter.

Resetting the filter counter

Be sure to reset the Filter counter after replacing the filter.

- 1** Press the **MENU** button to display the On-Screen Menu. Use the Point **▲▼** buttons to select **Setting** and then press the Point **▶** or **SELECT** button.
- 2** Use the Point **▲▼** buttons to select **Filter counter** and then press the Point **▶** or the **SELECT** button. Use the Point **▲▼** buttons to select **Filter counter reset** and then press the **SELECT** button. **Filter counter Reset?** appears. Select **Yes** to continue.
- 3** Another confirmation dialog box appears, select **Yes** to reset the Filter counter.

Maintenance

Lamp replacement

When the projection lamp of the projector reaches its end of life, the Lamp replacement icon appears on the screen and LAMP REPLACE indicator lights yellow. Replace the lamp with a new one promptly. The timing when the LAMP REPLACE indicator should light is depending on the lamp mode.



WARNING:
TURN OFF THE UV LAMP BEFORE
OPENING THE LAMP COVER

Top Panel



This indicator turns yellow when the projection lamp reaches the end of its life.



Lamp replacement icon

Note:

The Lamp replacement icon will not appear when the Display function is set to Off, during Freeze, or No show.

! CAUTION

When replacing the lamp because it has stopped illuminating, there is a possibility that the lamp may be broken. If replacing the lamp of a projector which has been installed on the ceiling, you should always assume that the lamp is broken, and you should stand to the side of the lamp cover, not underneath it. Remove the lamp cover gently. Small pieces of glass may fall out when the lamp cover is opened. If pieces of glass get into your eyes or mouth, seek medical advice immediately.



CAUTION

Allow a projector to cool for at least 45 minutes before you open the Lamp Cover. The inside of the projector can become very hot.

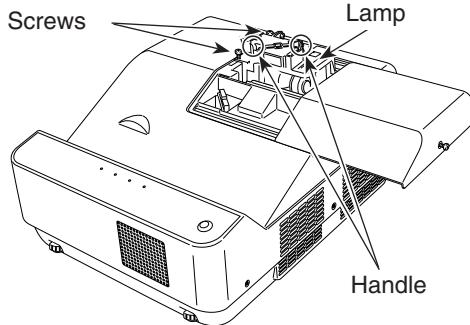
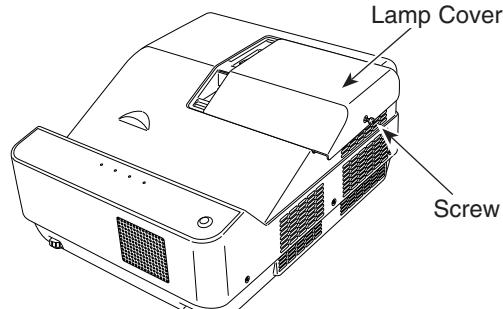


CAUTION

For continued safety, replace with a lamp of the same type. Do not drop a lamp or touch a glass bulb! The glass can shatter and may cause injury.

Follow these steps to replace the lamp.

- 1** Turn off the projector and unplug the AC power cord. Let the projector cool for at least 45 minutes.
- 2** Loosen the screw and open the lamp cover.
- 3** Loosen the two (2) screws that secure the lamp. Lift the lamp out of the projector by using the handle.
- 4** Replace the lamp with a new one and secure the two (2) screws. Make sure that the lamp is set properly. Close the lamp cover and secure the screw.
- 5** Connect the AC power cord to the projector and turn on the projector.
- 6** **Reset the lamp counter.**
See "Resetting the Lamp Counter" on the next page.



ORDER REPLACEMENT LAMP

Replacement lamp can be ordered through your dealer. When ordering a projection lamp, give the following information to the dealer.

Replacement Lamp Type No. : POA-LMP143
Service Parts No. : 610 351 3744

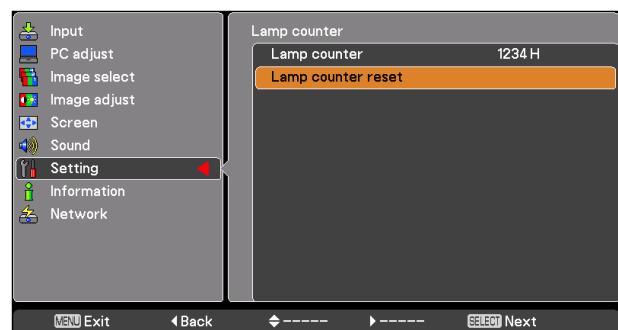
Maintenance

Resetting the lamp counter

Be sure to reset the lamp counter after the lamp is replaced. When the lamp counter is reset, the LAMP REPLACE indicator stops lighting and the lamp replacement icon disappears.

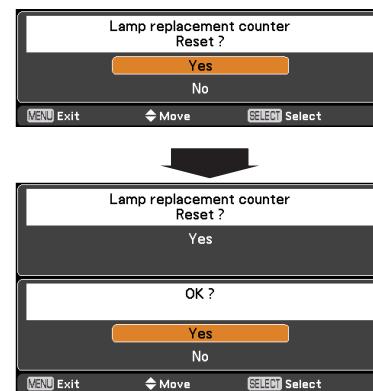
- 1** Press the MENU button to display the On-Screen Menu. Use the Point **▲▼** buttons to select **Setting** and then press the Point **▶** or the **SELECT** button.
- 2** Use the Point **▲▼** buttons to select **Lamp counter** and then press the **SELECT** button. Use the Point **▲▼** buttons to select **Lamp counter reset** and then press **SELECT** button. **Lamp replacement counter Reset?** appears. Select **Yes** to continue.
- 3** Another confirmation dialog box appears, select **Yes** to reset the Lamp counter.

Lamp counter reset



Note:

Do not reset the Lamp counter without implementing lamp replacement. Be sure to reset the Lamp counter only after replacing the lamp.



Lamp replacement counter Reset? appears.

Select **Yes**, then another confirmation box appears.

Select **Yes** again to reset the Lamp counter.

How to check lamp used time

The LAMP REPLACE indicator will light yellow when the total lamp used time (Corresponding value) reaches 3,000 hours. This is to indicate that lamp replacement is required.

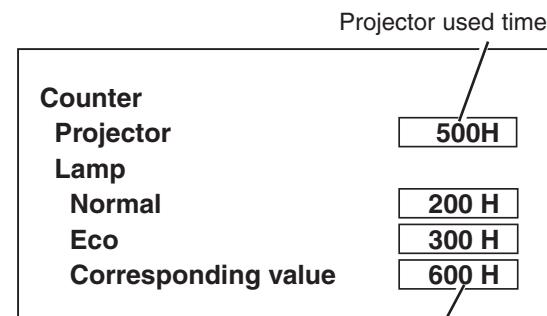
The total lamp used time is calculated by using the below expression,

Total lamp used time (Corresponding value)
= $T_{eco} + T_{normal} \times 1.5$

T_{normal} : used time in the normal mode
 T_{eco} : used time in the eco mode

You can check the lamp used time following to the below procedure.

- 1** Press and hold the **ON/STAND-BY** button on the remote control for more than 20 seconds.
- 2** The projector used time and lamp used time will be displayed on the screen briefly as follows.



Total lamp used time

Maintenance

Cleaning

After long periods of use, dust and other particles will accumulate on the optical parts, mirror, color wheel, lens etc., causing the picture to darken or color to blur. If this occurs, remove dust and other particles using air spray. Before taking the cleaning, turn off the projector and allow the projector to cool for more than 45 minutes. Never disassemble the optical unit, mirror or projection lens because those parts are aligned precisely in the factory . If do so, the projector may have the miss-alignment in optical and reduce the optical performance.

Cleaning the Color Wheel

- The color wheel is made of thin glass. Be very careful when handing the color wheel.
- In case of fingerprints, etc. on the surface, gently wipe with a Cleaning Cloth for optical parts that contains a small amount of non-abrasive camera lens cleaner to clean the surface.
- Do not use detergents as this could cause peeling of the color filter.

Cleaning the Reflecting Mirror

- Be careful not to touch the reflecting mirror. Touching it directly with the hands may cause reducing the burning.
- Do not clean other than with air.

Caution:

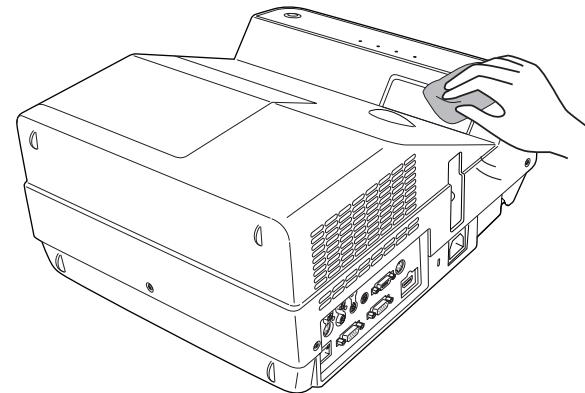
The optical components may have a crack or spot when you use the air spray directly to the optical components while they are in the state of hot. Use a commercial (inert gas) air spray designed for cleaning camera and computer equipment. Use a resin-based nozzle only. Be very careful not to damage optical parts with the nozzle tip.

Cleaning the projection window

Unplug the AC power cord before cleaning.

First, remove the dust with a commercially available air blower. Then gently wipe the projection window surface. Use a cleaning paper moistened with methyl alcohol (methanol). Avoid using an excessive amount of cleaner.

Do not use abrasive cleaners, solvents, or other harsh chemical cleaners to avoid damaging the projection window.

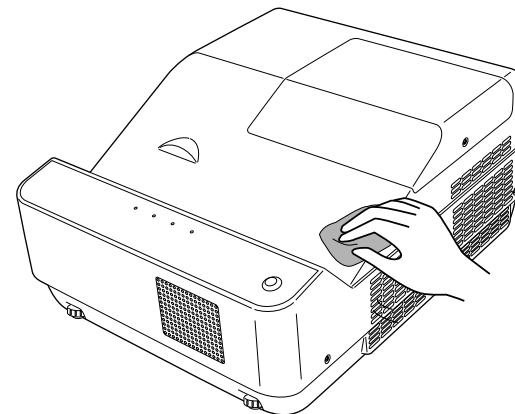


Cleaning the projector cabinet

Unplug the AC power cord before cleaning.

Gently wipe the projector body with a soft dry cleaning cloth. When the cabinet is heavily soiled, use a small amount of mild detergent and finish with a soft dry cleaning cloth. Avoid using an excessive amount of cleaner. Abrasive cleaners, solvents, or other harsh chemicals might scratch the surface of the cabinet.

When the projector is not in use, put the projector in an appropriate carrying case to protect it from dust and scratches.



CAUTION

!
Do not use any flammable solvents or air sprays on the projector and in its vicinity. The explosion or fire hazard may occur even after the AC power cord is unplugged because the temperature inside the projector is extremely high due to the lamps. In addition, there is a risk that the internal parts may be damaged not only by the flammable air spray but also by the cold air.

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Security Function Notice

This projector provides security functions such as "PIN code lock" and "Logo PIN code lock". When the projector has set these security function on, you are required to enter correct PIN code to use the projector. If you do not know the correct PIN code to the projector, the projector can no longer be operated or started. In this case, you must reset those function first according to the resetting procedure described below and then check up on the projector.

Function	Description
PIN code lock	Prevents the projector from being operated by an unauthorized person. <i>Initial code: "1234"</i>
Logo PIN code lock	Prevents an unauthorized person for changing the start-up logo on the screen. <i>Initial code: "4321"</i>

Resetting procedure

- 1 Disconnect the AC power cord from the AC outlet.
 - 2 As pressing the **SELECT** button, connect the AC power cord into an AC outlet again.
 - 3 Keep pressing the **SELECT** button and then press the **ON/STAND-BY** button.
 - 4 Release the **ON/STAND-BY** button first and then release the **SELECT** button.
- The PIN code lock and Logo PIN code lock will be reset as the initial PIN code at the factory.

Please refer to the owner's manual for further information of the security functions.

Standby Mode Notice

This projector provides 2 types of standby mode, Eco standby and Network standby. According to the standby mode "Eco" or "Network", several functions are restricted as shown in the table below. To change the standby mode, use the projector's menu "Setting".

Network Supply the power to the network function even after turning off the projector. You can turn on /off the projector via network, modify network environment, and receive an e-mail about projector status while the projector is powered off.

Eco Select "Eco" when you do not use the projector via network. The projector's network function will stop when turning off the projector.

When "Eco" is selected, several functions will be restricted.

Function in the standby mode

Function	Eco	Network
Serial command control	-- *1	✓
Network Function	--	✓
Monitor Out	--	✓
Audio Out	--	--
Direct On	✓	✓

*1 Effective only Power-On command.

Mechanical Disassembly

Mechanical disassembly should be made following procedures in numerical order.

Following steps show the basic procedures, therefore unnecessary step may be ignored.

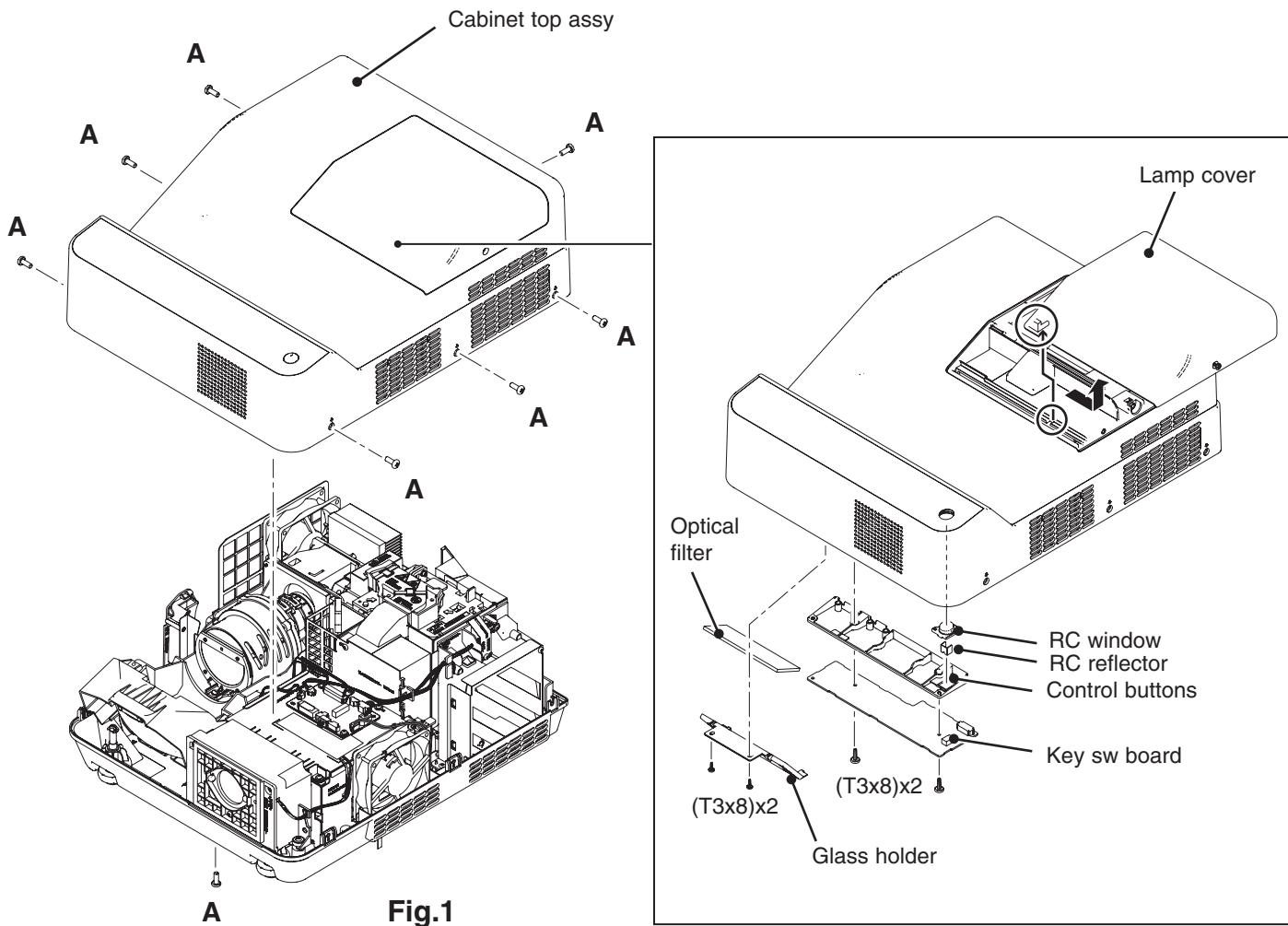
Caution:

The parts and screws should be placed exactly the same position as the original otherwise it may cause loss of performance and product safety.

Screws Expression (Type Diameter x Length) mm	
T type	M Type

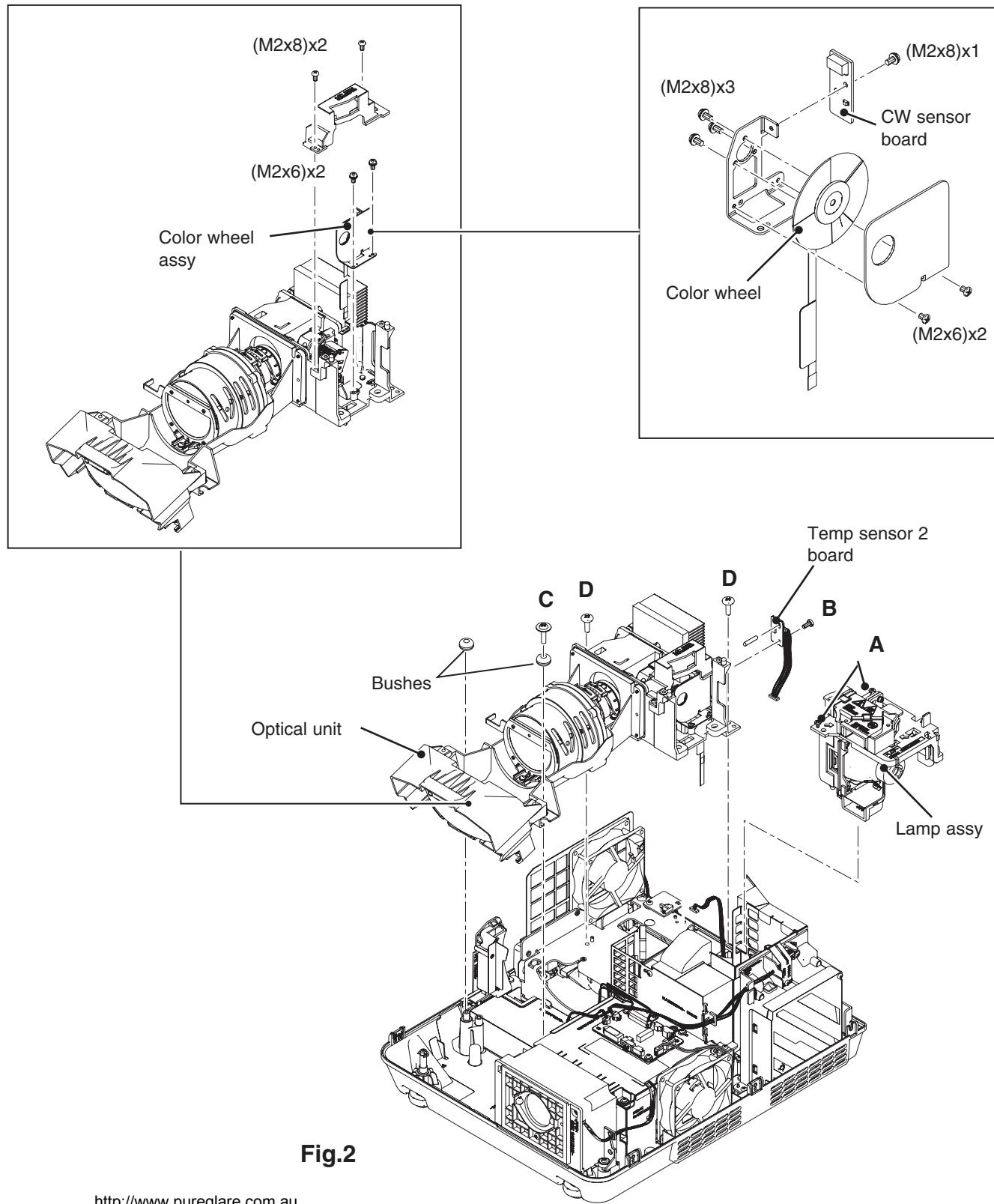
1 Cabinet Top removal

1. Remove 8 screws A(M3x8) to remove the cabinet top assy upward off.



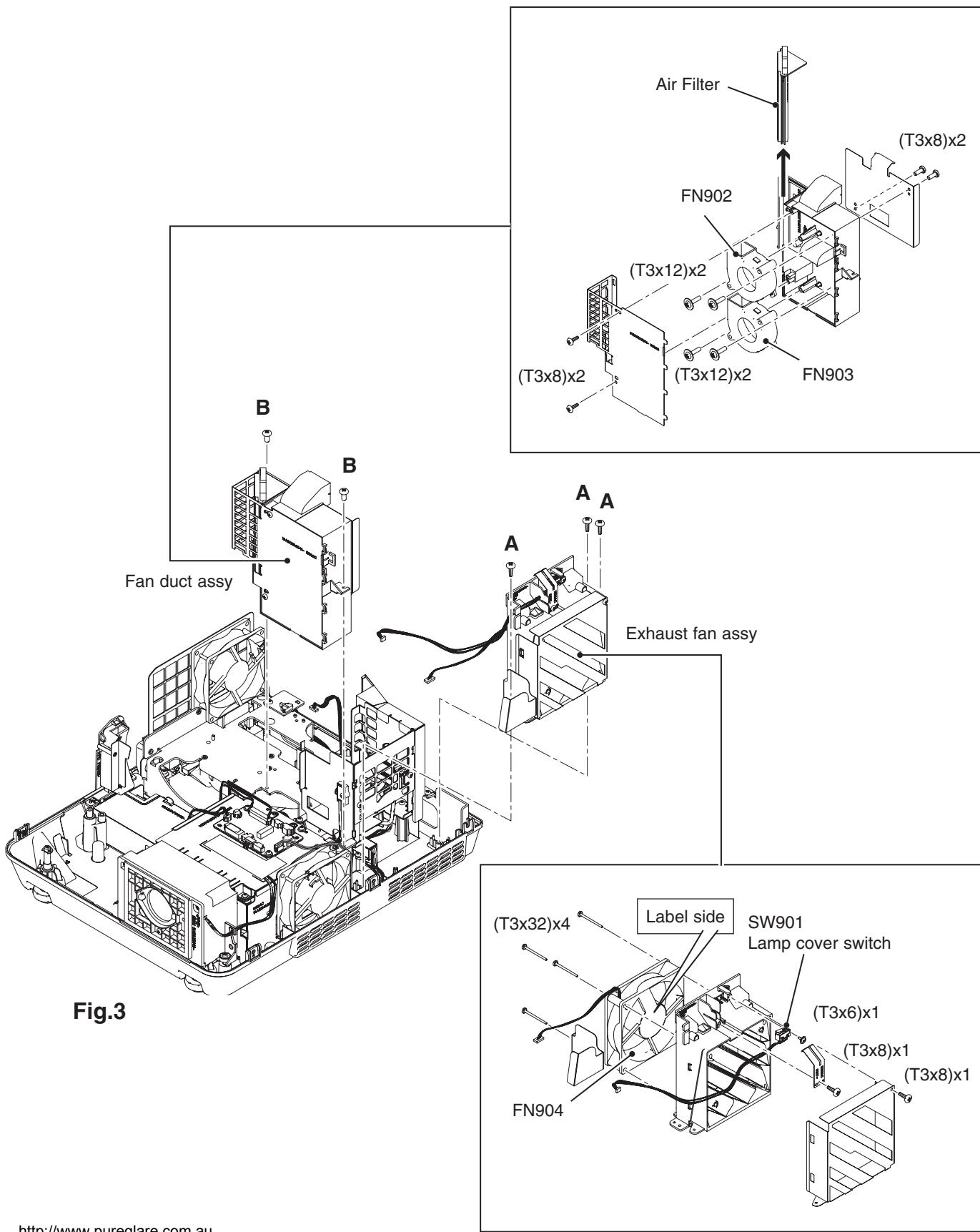
Mechanical Disassembly**2 Optical unit Lamp and CW removal**

1. Loosen 2 screws A and pull the Lamp assy upward off.
2. Remove 1 screw B(M2.5x6) to remove Temp. Sensor 2 board.
3. Remove 1 screw C(T3x12)x2 and 2 screws D (M4x8) to remove the Optical unit upward off.

**Fig.2**

Mechanical Disassembly**3 Fans (FN902, FN903, FN904) and SW901 removal**

1. Remove 3 screws A(T3x8) to remove the exhaust fan assy.
2. Remove 2 screws B(M3x6) to remove the fan duct assy.



Mechanical Disassembly

4 Power and FanNet board and fan(FN905) removal

1. Remove 2 screws A(M3x8) to remove the FanNet board.
2. Remove 4 screws B(M3x8) to remove the Power box cover.
3. Remove 2 screws C(M3x8) and 1 screw D(M3x8) to remove the Power board and insulation sheet.
4. Remove 4 screws E(M3x8) to remove the Power box frame assy.

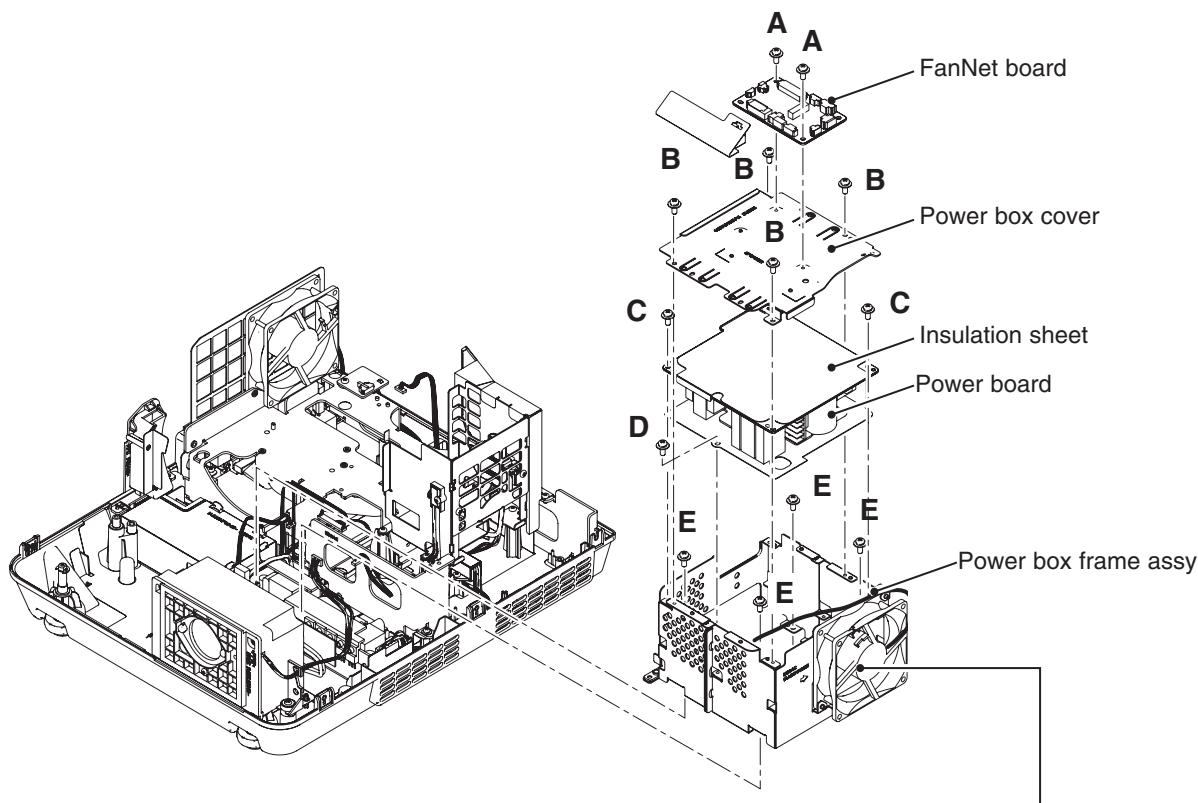
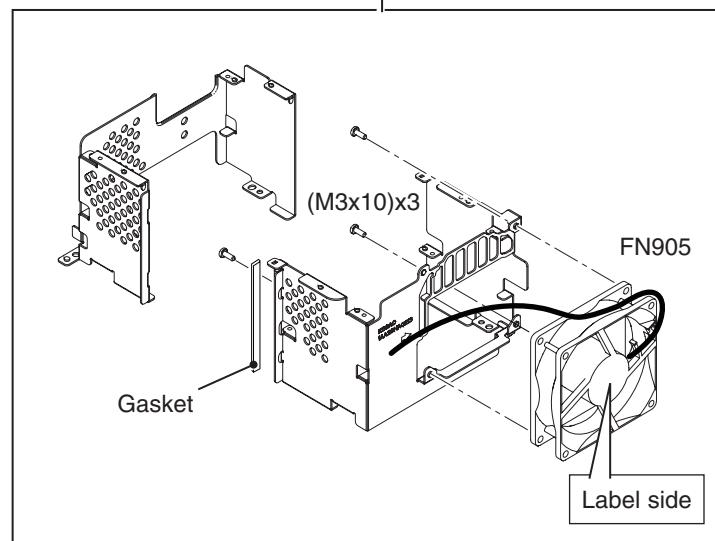
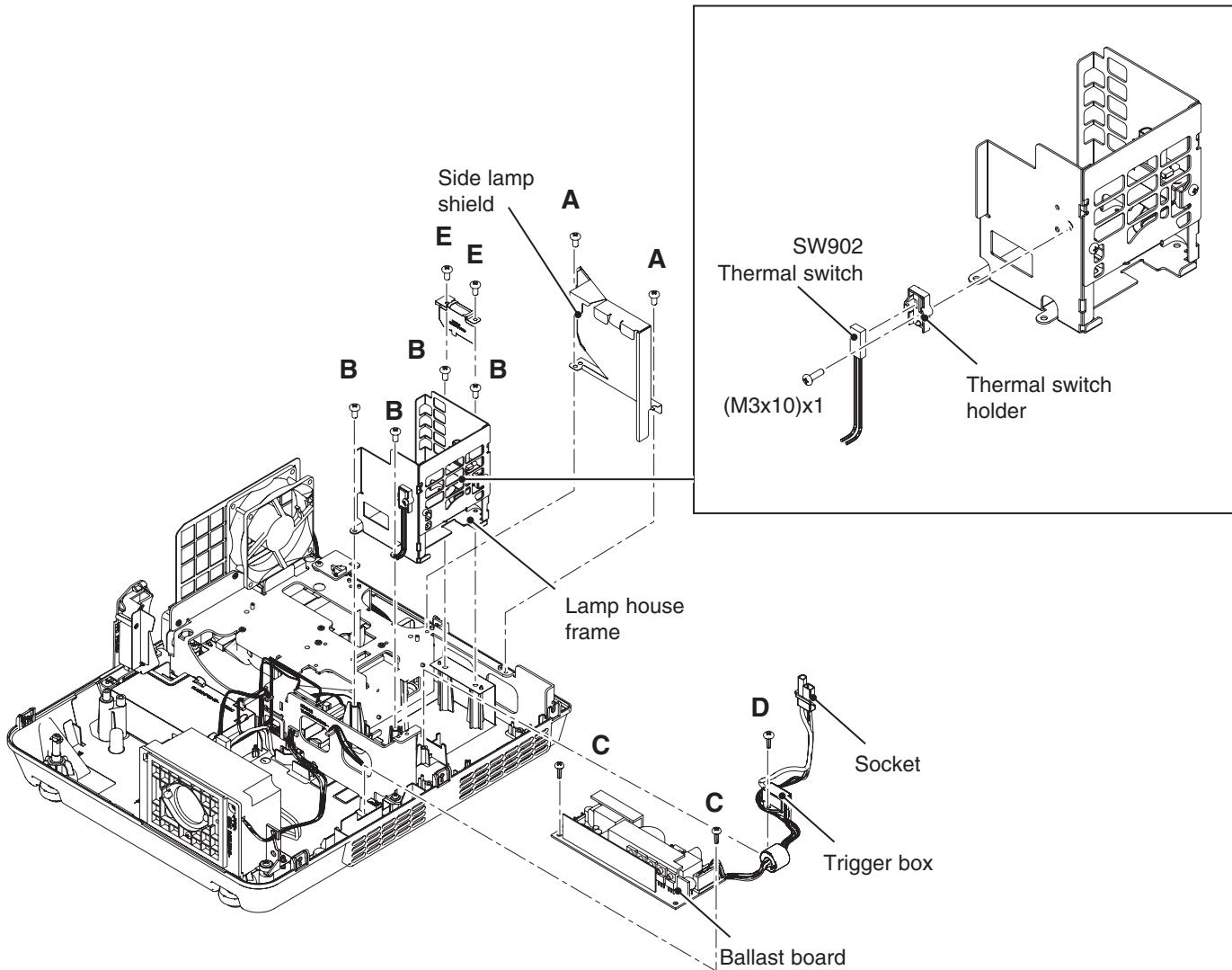
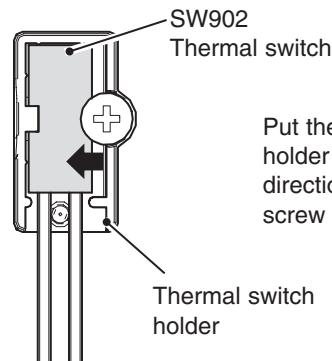


Fig.4



Mechanical Disassembly**5 Ballast board and thermal switch(SW902) removal**

1. Remove 2 screws A(M3x6) to remove the side lamp shield.
2. Remove 4 screws B(M3x8) to remove the lamp house frame.
3. Remove 2 screws C(T3x8) to remove the ballast board, remove 1 screw D(T3x8) to remove the trigger box , remove 2 screws E(M3x6) to remove the ballast socket.

**Fig.5****Note on mounting the thermal switch (SW902)**

Put the thermal switch on the holder and slide it in the arrow direction and then tighten the screw to fix the thermal switch.

Mechanical Disassembly

6 Line filter board removal

1. Remove 2 screw A(M3x6) to remove the focus lever cover.
2. Remove 3 screws B(M3x8) to remove the line filter shield.
3. Remove 4 screws C(T3x8) to remove the line filter board and insulation sheet.

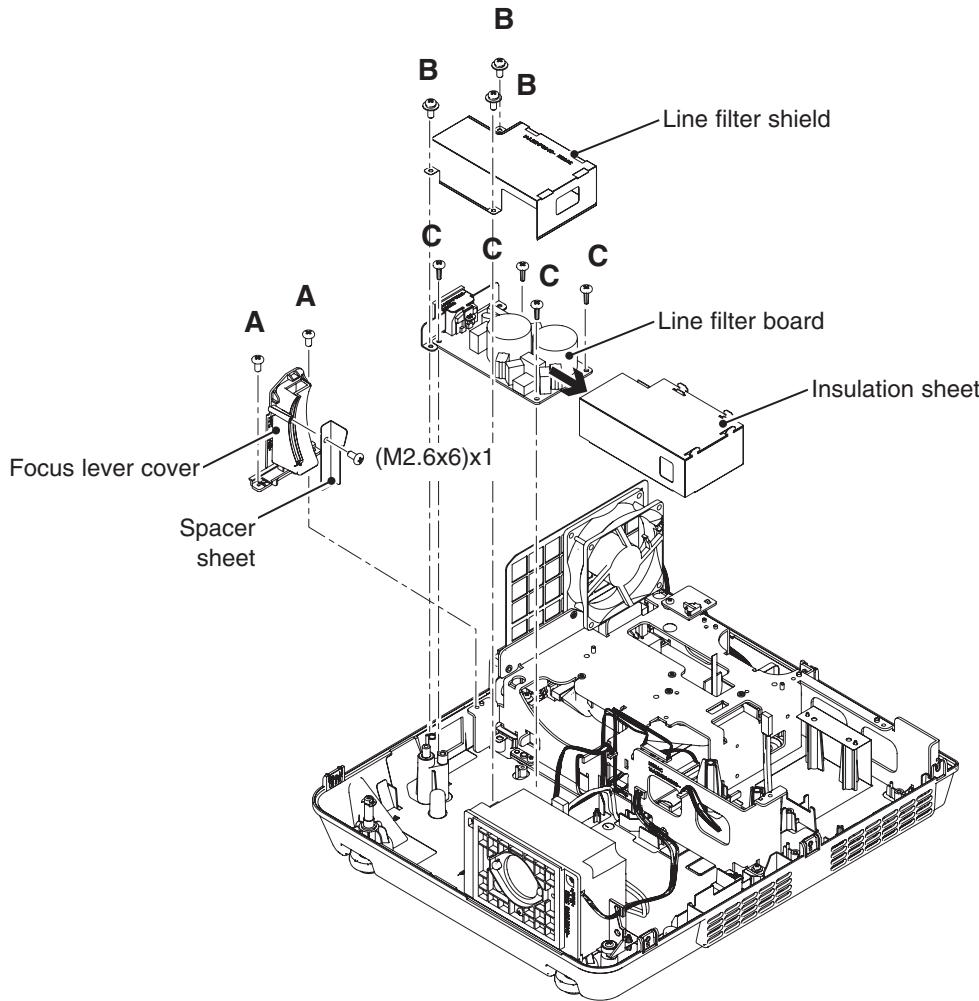
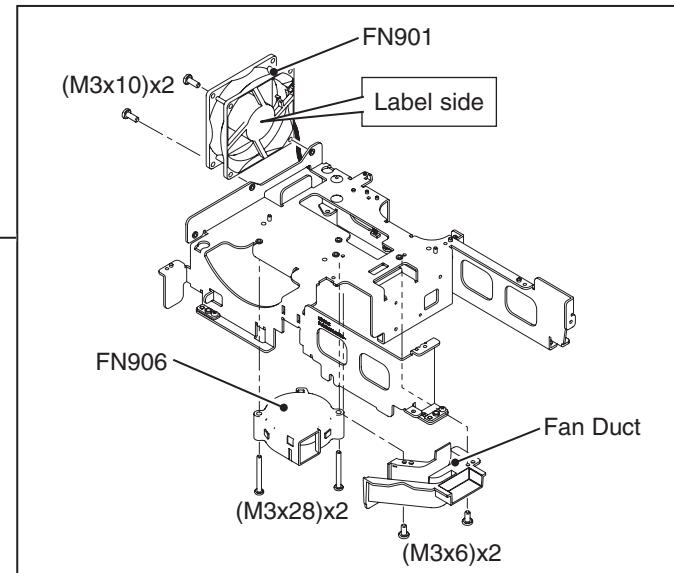
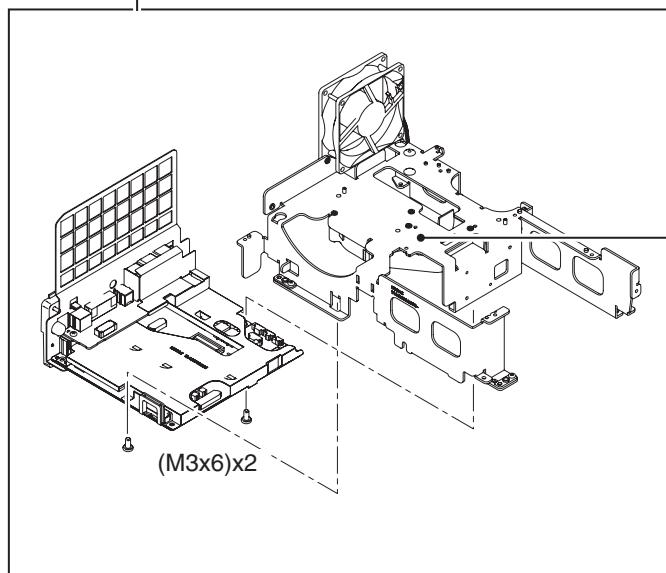
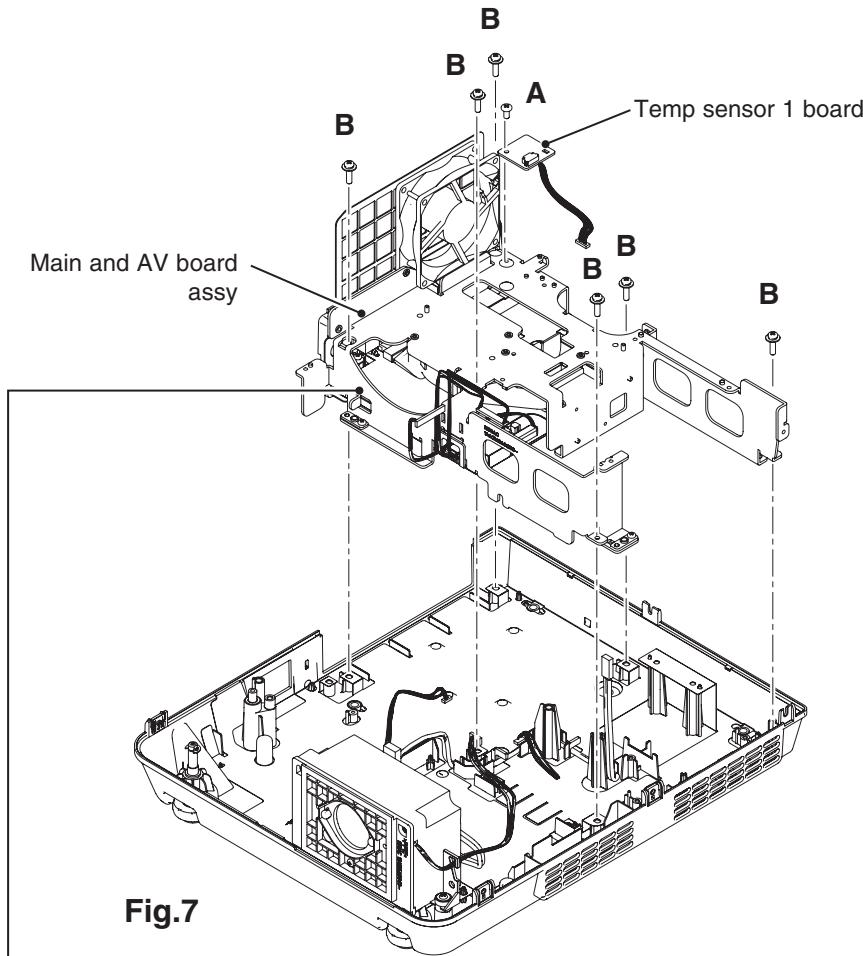
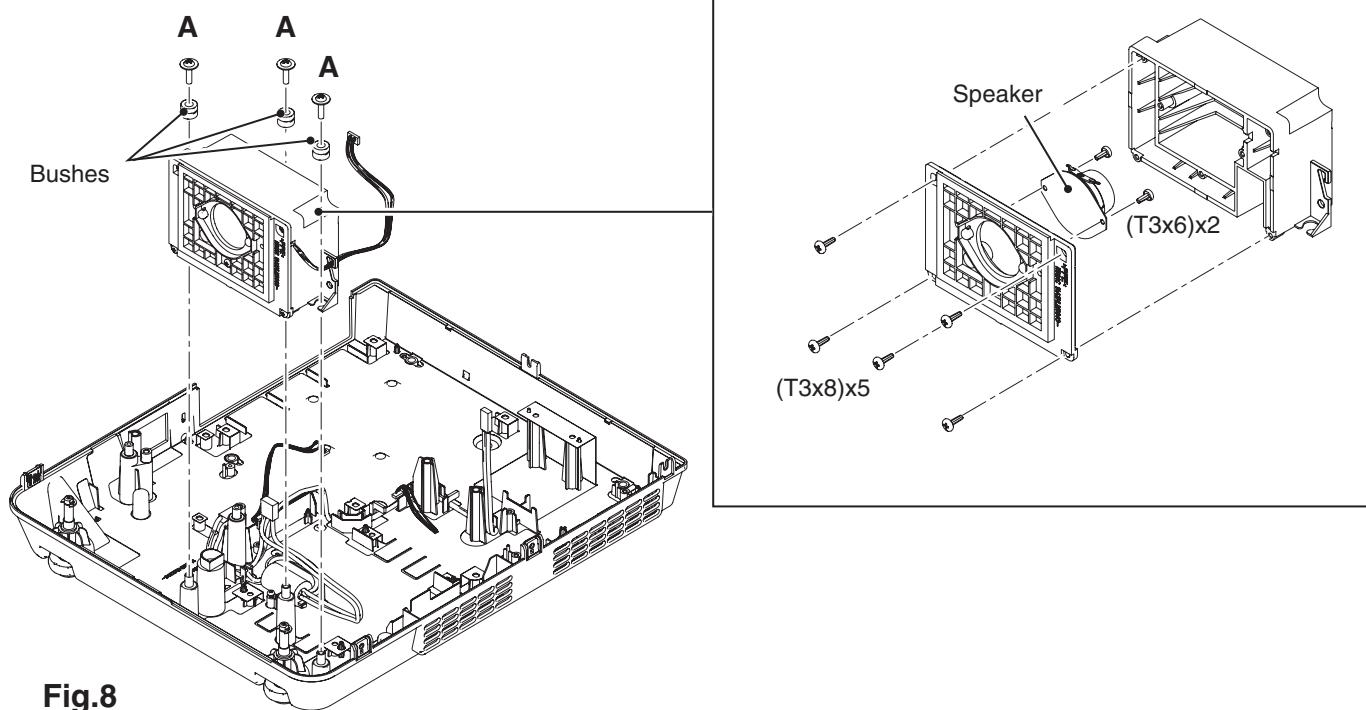
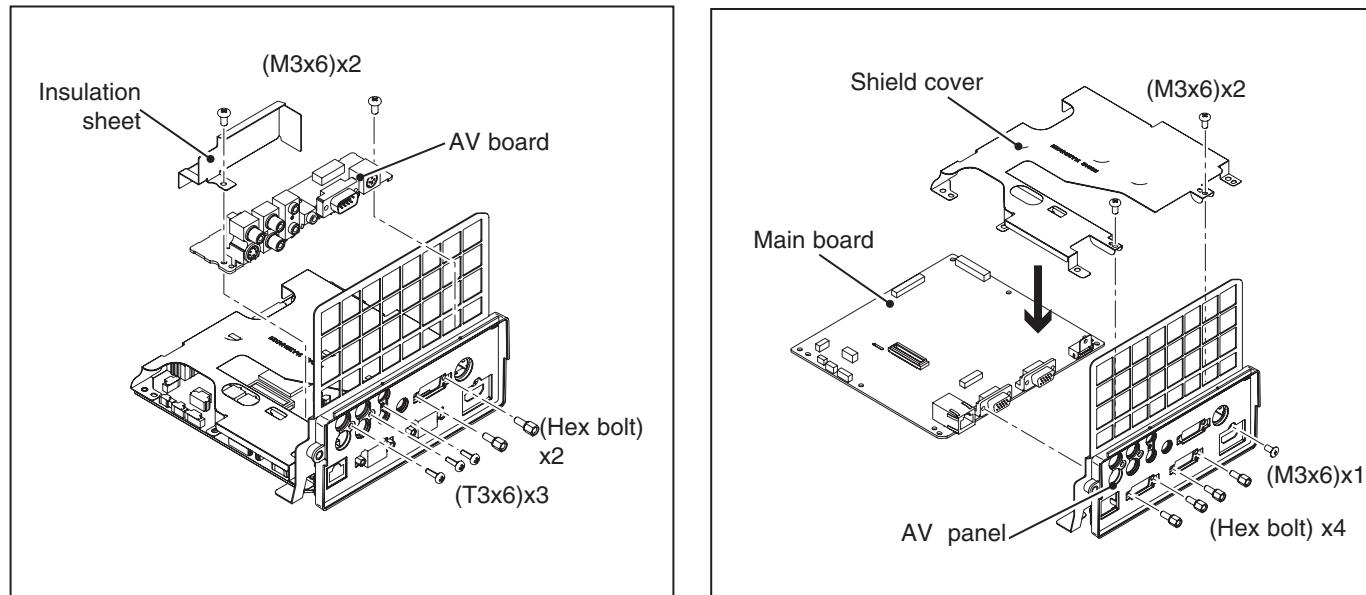


Fig.6

Mechanical Disassembly**7 Main, AV board and fans (FN901, FN906) removal-1**

1. Remove 1 screw A(M3x6) to remove the temp. sensor 1 board.
2. Remove 6 screws B(M3x12) to remove the main and AV board assy.



Mechanical Disassembly**8 Main, AV Board and fans (FN901, FN906) removal-2****Fig.8**

Mechanical Disassembly

10 Note on wiring

After disassembling the mechanical parts or electrical parts, the wiring cables must be placed in the original position.

Especially the cable dressing indicated in the figure below, use a fixer not to touch the cable to the parts on the primary power circuit.

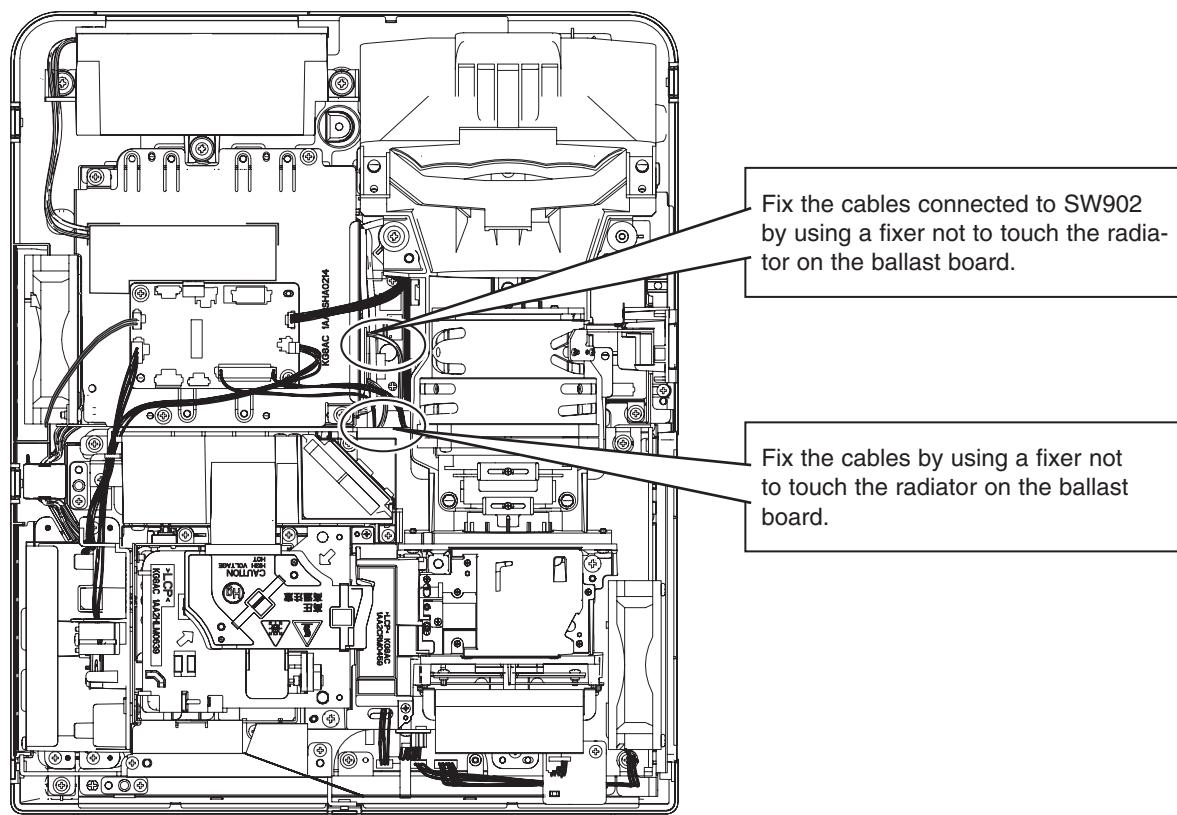


Fig.9

Adjustments

Adjustments after parts replacement

● : Adjustment necessary ○ : Check necessary

		Disassembly / Replaced parts			
		Optical unit	Color wheel	Power board	Main board
Adjustments	Fan voltage adjustment			●	●
	Auto calibration adjustment [PC]				○
	Auto calibration adjustment [Component]				○
	Color Index Adjustment-1	●			●
	Color Index Adjustment-2		●		
	Serial no. setting			●	

Note on main board replacement

● Memory IC replacement (IC1431)

Memory IC on the main board stores the user control value including lamp used time and product serial no. When the main board is replaced with new one, the lamp used time and serial no. have a null value. To keep the lamp use time and serial no., the memory IC should be replaced with the one on the previous main board.

● Serial No. Setting

The serial no. displayed on the on-screen menu "Information" is stored in the memory IC on the main board. After replacing the memory IC on the main board, if the serial no. on the "Information" menu is not displayed correctly, use the serial no. setting tool to write the correct serial no. referring to the serial no. printed on the rating label. For further details, refer to the operation manual of the serial no. setting tool [SST LITE v1.00]. The serial no. setting tool is included in the service CD-ROM below;

PROJECTOR SERVICE TOOL CD-ROM v4.20

SERVICE CODE: 610 343 5596

Service adjustment menu operation

To enter the service mode

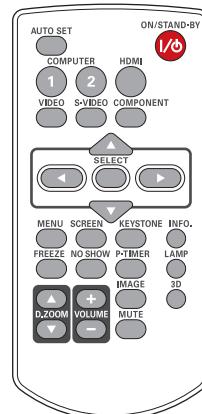
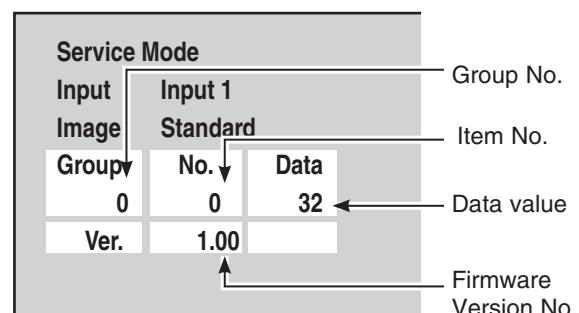
To enter the "Service Mode", press and hold the **MENU button** on the remote control for more than 20 seconds. The service menu appears on the screen as follows.

To adjust service data

Select the adjustment group no. by pressing the **MENU button** (increase) or **SELECT button** (decrease), and select the adjustment item no. by pressing the pointer **▲** or **▼ button**, and change the data value by pressing the **◀** or **▶ button**. Refer to the "Service Adjustment Data Table" for further description of adjustment group no., item no. and data value.

To exit the service mode

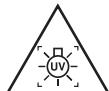
To exit the service mode, press the **ON/STAND-BY button**.



Adjustments

Circuit adjustments

CAUTION: The each circuit has been made by the fine adjustment at factory. Do not attempt to adjust the following adjustments except requiring the readjustments in servicing otherwise it may cause loss of performance and product safety. Before adjustment, please turn on the projector more than ten minutes.



WARNING : USE UV RADIATION EYE AND SKIN PROTECTION DURING SERVICING.



CAUTION:
To prevent suffer of UV radiation, those adjustments must be completed within 25 minutes.

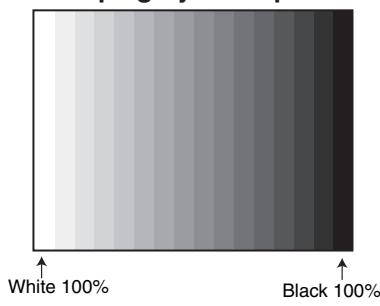
[Adjustment Condition]

● Input signal

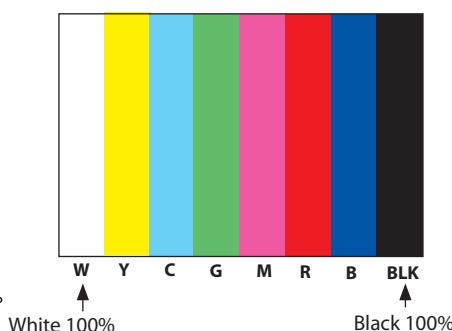
Analog Computer signal 0.7Vp-p/75Ω terminated (XGA)
Composite Video signal 1.0Vp-p/75Ω terminated (NTSC / PAL)
Component Video signal 1.0Vp-p/75Ω terminated (480i)

● Input signal patterns

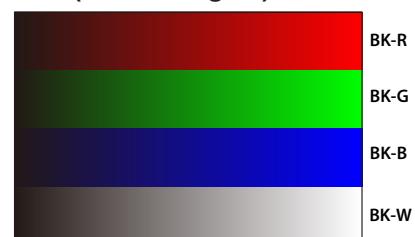
16 steps gray scale pattern



8 color 100% color bar



RGBW Ramp pattern
(Internal signal)



- Image mode Standard
- Lamp control Normal
- 3D mode Off

Note:

* Please refer to "Service adjustment menu operation" for entering the service mode and adjusting the service data.

Adjustments

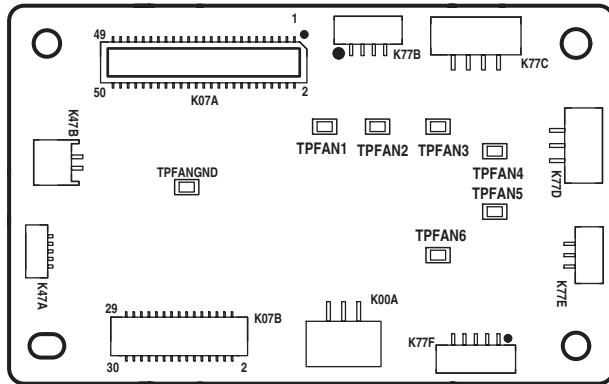
1 Fan voltages adjustment

Equipment Digital voltmeter

1. Enter the service mode.
2. Connect the Digital voltmeter to the test point listed below.
3. Adjust the voltage on each test point by changing the data values of the Group - No.

<u>Group No.</u>	<u>Test Point</u>	<u>Adjustment value</u>
250 - 0	TPFAN1	4.5 -0 +0.1Vdc
250 - 1	TPFAN1	13.8 -0 +0.1Vdc
250 - 2	TPFAN1	4.5 -0 +0.1Vdc
250 - 3	TPFAN2	13.8 -0 +0.1Vdc
250 - 4	TPFAN3	4.5 -0 +0.1Vdc
250 - 5	TPFAN3	13.8 -0 +0.1Vdc
250 - 6	TPFAN4	4.5 -0 +0.1Vdc
250 - 7	TPFAN4	13.8 -0 +0.1Vdc
250 - 8	TPFAN5	4.5 -0 +0.1Vdc
250 - 9	TPFAN5	13.8 -0 +0.1Vdc
250 - 10	TPFAN6	4.5 -0 +0.1Vdc
250 - 11	TPFAN6	13.8 -0 +0.1Vdc

FANNET Board



2 PC auto calibration

Input mode Computer 1 (RGB) mode
Input signal 16-step gray scale computer signal

1. Enter the service mode.
2. Select Group "260", No. "0" and set data value "0" to "1".
The projector begins auto-calibration and then "OK" will appear on the screen.

3 Component auto calibration

Input mode Computer 1 (Component) mode
Input signal 100% color bar signal (480i)

1. Enter the service mode.
2. Select Group "260", No. "0" and set data value "0" to "1".
The projector begins auto-calibration and then "OK" will appear on the screen.

Adjustments item no. [2] to [3] are carried out at the spare parts shipment in the factory, therefore they are not required when the main board is replaced with new one.

Adjustments

4 Color index adjustment-1

Condition	Dark room
Input mode	Computer 1 (RGB) mode
Image mode	Dynamic
Input signal	RGBW-Ramp pattern (Internal signal)

1. Enter the service mode.
2. Select Group "151", No. "21" and set data value to "1". The RGBW-Ramp internal pattern is displayed on the screen.
3. Select Group "151", No. "0" and set data value to the specified index value which is printed on the label of the optical unit.
4. Check that the proper gradation color image is reproduced on the screen.

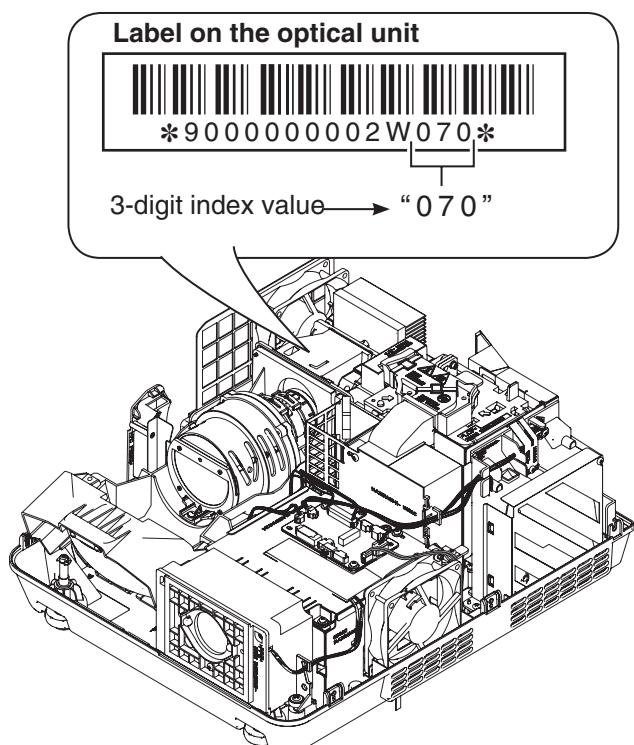
* Only this adjustment is needed when the optical unit or main board is replaced.

5 Color index adjustment-2

Condition	Dark room
Input mode	Computer 1 (RGB) mode
Image mode	Dynamic
Input signal	RGBW-Ramp pattern (Internal signal)

1. Enter the service mode.
2. Select Group "151", No. "21" and set data value to "1". The RGBW-Ramp internal pattern is displayed on the screen.
3. Select Group "151", No. "0" and change data value to obtain the proper gradation color image is reproduced on the screen

* Only this adjustment is needed when the color wheel is replaced.



Adjustments

Service adjustment data table

These initial values are the reference data written from the CPU ROM to memory IC when replaced new memory IC. The adjustment items indicated with “*” are required to readjust following to the “Electrical adjustments”. Other items should be used with the initial data value.

Group/ Item	Item Name	Function	Initial	Range	Note
Group 0	AD Converter (AF1000)				
0	Green Offset	PC / Component	512/512	0 - 4095	
1	Red Offset	PC / Component	512/512	0 - 4095	
2	Blue Offset	PC / Component	512/512	0 - 4095	
3	Green Coarse Gain	PC / Component	7/7	0 - 15	
4	Red Coarse Gain	PC / Component	7/7	0 - 15	
5	Blue Coarse Gain	PC / Component	7/7	0 - 15	
6	Green Fine Gain	PC / Component	0/0	0 - 255	
7	Red Fine Gain	PC / Component	0/0	0 - 255	
8	Blue Fine Gain	PC / Component	0/0	0 - 255	
9	SCART SOG Thresh	SCART only	12	0 - 31	
Group 60	Image				
0	Center Contrast		98/98/106/98/98/106 106/98/98/106/100	0 - 1023	
1	Center Brightness		0/0/0/0/0 0/0/0/0	0 - 1023	
2	Center Color		100/100/100/100100/100 100/100/100/100	0 - 1023	
3	Center Tint		0/0/0/0/0 0/0/0/0	0 - 180	
4	Fixed Sharpness (Up scaling)		8/8/8/12/8/12 8/12/8/8	0 - 37	
5	Fixed Sharpness (Down scaling)		8/8/8/8/8 8/8/8/8	0 - 37	
6	Center Sharpness (not FPGA)		16/16/16/16/16/16 16/16/16/16	0 - 37	
7	Center WB Red		512/512/512/512/512 512/512/512/512	0 - 1023	
8	Center WB Green		512/512/512/512/512 512/512/512/512	0 - 1023	
9	Center WB Blue		512/512/512/512/512 512/512/512/512	0 - 1023	
10	Center BB Red		512/512/512/512/512 512/512/512/512	0 - 1023	
11	Center BB Green	Group: Composite/S-Video/Component/Digital/D-RGB- Video/Alanou RGB	512/512/512/512/512 512/512/512/512	0 - 1023	
12	Center BB Blue	RGB-Video/HDCP-PC/HDCP-AV/SCART	512/512/512/512/512 512/512/512/512	0 - 1023	
13	Alpha Contrast		60/60/60/60/60/60 60/60/60/60	0 - 1000	
14	Alpha Brightness		90/90/90/90/90/90 90/90/90/90	0 - 1000	
15	Alpha Color		40/140/140/140/140/140 140/140/140/140	0 - 1000	
16	Alpha Tint		10/10/10/10/10/10 10/10/10/10	0 - 1000	
17	Alpha Sharpness		10/10/10/10/10/10 10/10/10/10	0 - 1000	
18	Alpha WB Red		40/40/40/40/40/40 40/40/40/40	0 - 1000	
19	ALpha WB Green		40/40/40/40/40/40 40/40/40/40	0 - 1000	
20	Alpha WB Blue		40/40/40/40/40/40 40/40/40/40	0 - 1000	
21	Alpha BB Red		20/20/20/20/20/20 20/20/20/20	0 - 1000	
22	Alpha BB Green		20/20/20/20/20/20 20/20/20/20	0 - 1000	
23	Alpha BB Blue		20/20/20/20/20/20 20/20/20/20	0 - 1000	
Group 151	Color Wheel				
0	Index Delay	Index Value of Color Wheel	70	0 - 360	
		0: Off 1: Blue Back 3: Red Back 5: White Back 7: 10% Gray Back 9: 50% Gray Back 11: Magenta Back	2: Green Back 4: Black Back 6: 60% Blue Back 8: 30% Gray Back 10: Cyan Back 12: Yellow Back		
20	Raster Pattern		0	0 - 12	

Adjustments

Group/ Item	Item Name	Function	Initial	Range	Note
21	Test Pattern	0: Off 2: Color Bar 4: Grid 6: 1-line Pattern 8: BC Calibration 10: Off 12: Color Ramp 14: 16 step 16: Green Grid 18: 1-dot Pattern 20: Half Cross	0	0 - 9	
Group 155 CCA					
0	CCA Disable	0: CCA Enable, 1: Disable	0	0 - 1	
Group 156 Color Matching - Measured Data					
0	Measured Red -X			0 - 1000	
1	Measured Red -Y			0 - 1000	
2	Measured Red -Luma			0 - 32767	
10	Measured Green -X	Adjust Color matching Data 0: Image = Dynamic mode 1: Image = Standard mode		0 - 1000	
11	Measured Green -Y			0 - 1000	
12	Measured Green -Luma	2: Image = Cinema mode 3: 120Hz Output mode 4: 3D mode		0 - 32767	
20	Measured Blue -X			0 - 1000	
21	Measured Blue -Y	* This data will be effective after executing the item 100.		0 - 1000	
22	Measured Blue -Luma			0 - 32767	
70	Measured Full White -X			0 - 1000	
71	Measured Full White -Y			0 - 1000	
72	Measured Full White -Luma			0 - 32767	
100	measured Data Update	Update the Measured Data when the value is set to 10.		0 - 10	
120	Measured Test Pattern	OFF / Red / Green / Blue / Full White		0 - 4	
Group 160 Waveform Index					
0	Bright Image Mode	Image = Dynamic	0	0 - 10	
1	Normal Image Mode	Image = Standard	0	0 - 10	
2	Color Image Mode	Image = Cinema	0	0 - 10	
3	Normal 120Hz	120Hz Mode	0	0 - 10	
4	3D Image Mode	3D Mode	0	0 - 10	
Group 161 Lamp Sync Delay					
0	Bright Image Mode	Image = Dynamic	190	0 - 32767	
1	Normal Image Mode	Image = Standard	190	0 - 32767	
2	Color Image Mode	Image = Cinema	190	0 - 32767	
3	Normal 120Hz	120Hz Mode	190	0 - 32767	
4	3D Image Mode	3D Mode	190	0 - 32767	
Group 200 Option					
0	Logo Prohibition (Forced No Brand)	Logo Prohibition (0: Menu, 1: Forced, 2: China, 3-9: not used) Effective after AC On	0	0 - 2	
1	RS232C Baudrate	Baud Rate 0: 19200bps, 1: 9600bps	0	0 - 1	
4	CABLE SW	Long Cable 0: Disable, 1: Enable	0	0 - 1	
5	PW Debug Command Enable	0:Disable (Serial Command Enable) 1: Enable (PW Debug Mode)	0	0 - 1	
8	Network Hung up Check	0: Enable, 1: Disable	0	0 - 1	
51	Filter Warning Display	Filter Waring Display On/Off 0: Off, 1: On	1	0 - 1	
53	Filter Counter Reset Times	Reset Times	0	0 - 255	
54	Factory Default Execute Times	Reset Times	0	0 - 255	
63	Source Search Enable	Siurce Search Enable 0: Disable, 1: Enable	1	0 - 1	
80	Destination Setting	Shipping Destination 0: English, 1: Japanese	0	0 - 1	
111	Sound Mute	0: work alone, 1: Work with Video Mute	1	0 - 1	
120	HDMI CONT	0: EDID/HPD Manual Control in the Standby 1: EDID/HPD Auto Control in the Standby	1	0 - 1	
Group 201 Option (signal)					
0	VSBEKG		8	0 - 255	
Group 220 Error Log					
0	Waring Log 1	Latest Error Log	0	0 - 32767	
~	Warning Log x th	x th old Error Log	0	0 - 32767	
49	Waring Log 50	50th old Error Log	0	0 - 32767	
50	Warinig Log Reset	Resets All Warning Logs when the value is set to 10.	0	0 - 10	
Group 250 FAN Voltage Adjustment					
0	Fan1 Min. Adjust (DAC)		25	0 - 255	
1	Fan1 Max. Adjustt(DAC)		235	0 - 255	
2	Fan2 Min. Adjust (DAC)		27	0 - 255	
3	Fan2 Max. Adjust (DAC)		237	0 - 255	

Adjustments

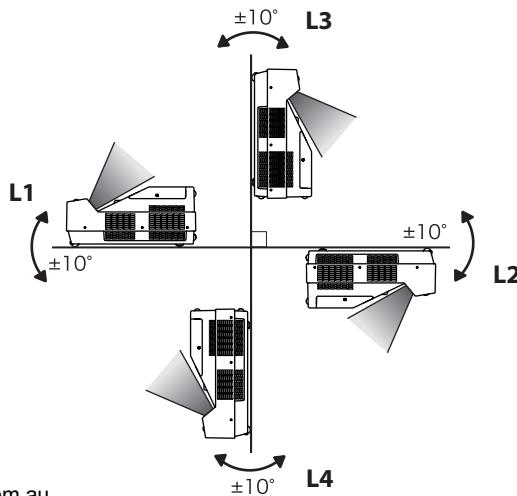
Group/ Item	Item Name	Function	Initial	Range	Note
4	Fan3 Min. Adjust (DAC)		31	0 - 255	
5	Fan3 Max. Adjust (DAC)		234	0 - 255	
6	Fan4 Min. Adjust (DAC)		27	0 - 255	
7	Fan4 Max. Adjust (DAC)		237	0 - 255	
8	Fan5 Min. Adjust (DAC)		28	0 - 255	
9	Fan5 Max. Adjust (DAC)		239	0 - 255	
10	Fan6 Min. Adjust (DAC)		28	0 - 255	
11	Fan6 Max. Adjust (DAC)		238	0 - 255	

Group 252 Fan Option

1	Safety Switch	For Safety Application purpose	0	0 - 4	
2	Fan Manual Switch	0: Auto, 1: Manual	0	0 - 1	
3	Fan1 Manual Voltage	Fan1 Voltage (x0.1V)	100	0 - 145	
4	Fan2 Manual Voltage	Fan2 Voltage (x0.1V)	100	0 - 145	
5	Fan3 Manual Voltage	Fan3 Voltage (x0.1V)	100	0 - 145	
6	Fan4 Manual Voltage	Fan4 Voltage (x0.1V)	100	0 - 145	
7	Fan5 Manual Voltage	Fan5 Voltage (x0.1V)	100	0 - 145	
8	Fan6 Manual Voltage	Fan6 Voltage (x0.1V)	100	0 - 145	
9	All Fan MaxMin Control	Forced Fan Mode 0: Normal, 1: Normal-Min, 2: Normal-Max, 3: Eco-Min, 4: Eco Max	0	0 - 4	

Group 253 FAN Error Setting

			L1 Normal	L2 Ceiling	L3 Bottom	L4 Up	
0	Temp A Warning (Normal)	Temperature A to judge the Temp. Failure Outside at Normal	48	48	48	48	30 - 100
1	Temp B Warning (Normal)	Temperature B to judge the Temp. Failure DMD at Normal	68	67	67	68	30-100
2	Temp C Warning (Normal)	Temperature C to judge the Temp. Failure Lamp at Normal	68	67	68	68	30-100
3	Temp B-A Waninig (Normal)	Temperature B-A to judge the Temp. Failure Filter Clogged at Normal	100	100	100	100	0-100
4	Temp C-A Warning (Normal)	Temperature C-A to judge the Temp. Failure Filter Clogged at Normal	100	100	100	100	0-100
5	Temp A Warning (Eco)	Temperature A to judge the Temp. Failure Outside at Eco	50	49	49	49	30 - 100
6	Temp B Warning (Eco)	Temperature B to judge the Temp. Failure DMD at Eco	71	71	70	70	0 - 100
7	Temp C Warning (Eco)	Temperature C to judge the Temp. Failure Lamp at Eco	73	72	73	73	0 - 100
8	Temp B-A Warninig (Eco)	Temperature B-A to judge the Temp. Failure Filter Clogged at Eco	100	100	100	100	0 - 100
9	Temp C-A Warning (Eco)	Temperature C-A to judge the Temp. Failure Filter Clogged at Eco	100	100	100	100	0 - 100
10	Temp A Warning Offset (Temp)				12		0 - 100
11	Temp B Warning Offset (Temp)				11		0 - 100
12	Temp C Warning Offset (Temp)				13		0 - 100
13	Temp B-A Warning Offset (Temp)				11		0 - 100
14	Temp C-A Warning Offset (Temp)				13		0 - 100
15	Temp A Warning Offset (Time)				30		0 - 40
16	Temp B Warning Offset (Time)				15		0 - 40
17	Temp C Warning Offset (Time)				15		0 - 40
18	Temp B-A Warning Offset (Time)				15		0 - 40
19	Temp C-A Warning Offset (Time)				15		0 - 40



Adjustments

Group/ Item	Item Name	Function	Initial			Range	Note
			L1 Normal	L2 Ceiling	L3 Bottom	L4 Up	
Group 254 FAN Control Range Setting (Temp./Voltage)							
0	Normal Fan Control Min. Temp	Temp Sensor Control Start/End at Normal	27	27	27	27	20 - 100
1	Normal Fan Control Max. Temp		36	36	36	36	20 - 100
2	Normal Fan1 Min.	Fan Voltage at Normal (x0.1V)	62	62	62	62	0 - 255
3	Normal Fan1 Max.		138	138	138	138	0 - 255
4	Normal Fan2 Min.		90	70	105	55	0 - 255
5	Normal Fan2 Max.		95	70	110	70	0 - 255
6	Normal Fan3 Min.		75	95	55	115	0 - 255
7	Normal Fan3 Max.		75	105	75	120	0 - 255
8	Normal Fan4 Min.		80	80	80	80	0 - 255
9	Normal Fan4 Max.		138	138	138	138	0 - 255
10	Normal Fan5 Min.		75	78	78	75	0 - 255
11	Normal Fan5 Max.		138	138	138	138	0 - 255
12	Normal Fan6 Min.		55	55	55	55	0 - 255
13	Normal Fan6 Max.		135	135	135	135	0 - 255
16	Eco Fan Control Min. Temp	Temp Sensor Control Start/End at Eco	27	27	27	27	20 - 100
17	Eco Fan Control Max. Temp		37	37	37	37	20 - 100
18	Eco Fan1 Min.	Fan Voltage at Eco (x0.1V)	60	60	60	60	0 - 255
19	Eco Fan1 Max.		70	70	70	70	0 - 255
20	Eco Fan2 Min.		60	50	60	45	0 - 255
21	Eco Fan2 Max.		70	55	70	50	0 - 255
22	Eco Fan3 Min.		50	65	50	65	0 - 255
23	Eco Fan3 Max.		55	75	55	75	0 - 255
24	Eco Fan4 Min.		60	60	60	60	0 - 255
25	Eco Fan4 Max.		120	120	120	120	0 - 255
26	Eco Fan5 Min.		52	55	55	52	0 - 255
27	Eco Fan5 Max.		110	110	110	110	0 - 255
28	Eco Fan6 Min.		50	50	50	50	0 - 255
29	Eco Fan6 Max.		115	115	115	115	0 - 255
Group 255 FAN Start/Cooling Setting							
0	Fan1 Initial Volt	Fan Voltage at Startup (x0.1V)		70		0 - 255	
1	Fan2 Initial Volt			60		0 - 255	
2	Fan3 Initial Volt			60		0 - 255	
3	Fan4 Initial Volt			65		0 - 255	
4	Fan5 Initial Volt			70		0 - 255	
5	Fan6 Initial Volt			60		0 - 255	
7	Cooling Time L1	Cooling Time at L1 (x 30 sec.)		2		1 - 15	
8	Cooling Time L2	Cooling Time at L2 (x 30 sec.)		3		1 - 15	
9	Temp Error Cooling Time	Cooling Time at Temp Error (x 30sec.)		3		1 - 15	
10	onStart Cooling Start Threshold	Cooling Start Threshold Temp at On Start		46		0 - 100	
11	After Shutdown Cooling	Cooling On/Off After Shutdown		1		0 - 1	
12	L1 Cooling Volt Fan2	Cooling Fan Voltage at L1 (x0.1V)		40		0 - 255	
13	L1 Cooling Volt Fan3			40		0 - 255	
14	L1 Cooling Volt Fan4			60		0 - 255	
Group 259 FAN Atmosphere Setting							
10	Temp A Warning (Normal, High-Land ON1)	Temperature A to judge the Temp. Failure Outside at Normal and HighLand ON1		42		0 - 100	
11	Temp B Warning (Normal, High-Land ON1)	Temperature B to judge the Temp. Failure DMD at Normal and HighLand ON1		62		0 - 100	
12	Temp C Warning (Normal, High-Land ON1)	Temperature C to judge the Temp. Failure Lamp at Normal and HighLand ON1		62		0 - 100	
13	Temp A Warning (Eco, HighLand ON1)	Temperature A to judge the Temp. Failure Outside at Eco and HighLand ON1		42		0 - 100	
14	Temp B Warning (Eco, HighLand ON1)	Temperature B to judge the Temp. Failure DMD at Eco and HighLand ON1		61		0 - 100	
15	Temp C Warning (Eco, HighLand ON1)	Temperature C to judge the Temp. Failure Lamp at Eco and HighLand ON1		64		0 - 100	
16	Temp A Warning (Normal, High-Land ON2)	Temperature A to judge the Temp. Failure Outside at Normal and HighLand ON2		37		0 - 100	
17	Temp B Warning (Normal, High-Land ON2)	Temperature B to judge the Temp. Failure DMD at Normal and HighLand ON2		58		0 - 100	
18	Temp C Warning (Normal, High-Land ON2)	Temperature C to judge the Temp. Failure Lamp at Normal and HighLand ON2		53		0 - 100	
19	Temp A Warning (Eco, HighLand ON1)	Temperature A to judge the Temp. Failure Outside at Eco and HighLand ON2		59		0 - 100	
20	Temp B Warning (Eco, HighLand ON1)	Temperature B to judge the Temp. Failure DMD at Eco and HighLand ON2		38		0 - 100	
21	Temp C Warning (Eco, HighLand ON1)	Temperature C to judge the Temp. Failure Lamp at Eco and HighLand ON2		58		0 - 100	
Group 260 Auto Calibration (Commn) * Auto Calibration							
0	Execute Calibration	Executes Auto-Calibration when the value is set to1		0		0 - 1	

Adjustments

Group/ Item	Item Name	Function	Initial	Range	Note
1	Loop Count	Maximum Execution Times (OFFSET->GAIN)	20	1 - 30	
2	Auto Status	Result of Auto-Calibration (Last Memory) 0: OK, 1: Adjusting, 2: Error	0	0 / 1 / 9	
3	AutoWait	Wait Value for each setting	-	1 - 20	
4	CHECK -Tolerance	Tolerance of OFFSET	16	1 - 255	
5	Time out Wait	Wait Time until Time out	20	1 - 255	
Group 261 Auto Calibration (RGB)					
0	OFFSET AREA H START	Black Level Acquiring Area H-Start Position	975	0 - 1000	
1	OFFSET AREA V START	Black Level Acquiring Area V-Start Position	500	0 - 1000	
2	GAIN AREA H START	White Level Acquiring Area H-Start Position	25	0 - 1000	
3	GAIN AREA V START	White Level Acquiring Area V-Start Position	500	0 - 1000	
4	Image AREA H WIDTH	Black/White Level Acquiring Area	13	0 - 4095	
5	Image AREA V HEIGHT	Black/White Level Acquiring Area Height	9	0 - 4095	
6	OFFSET target	Target Value of Black Level Adj.	0	0 - 1023	
7	OFFSET tolerance	Tolerance of Black Level Adj.	8	1 - 1023	
8	GAIN target	Target Value of White Level Adj.	940	0 - 1023	
9	GAIN tolerance	Tolerance of White Level Adj.	2	1 - 1023	
10	Image Level Tolerance	Tolerance of Image Level Adj.	4	1 - 255	
Group 262 Auto Calibration (CVBS/SVIDEO/YCbCr 480i)					
0	Y Image Area Start X	Y Acquiring Area H-Start Position		0 - 1000	
1	Y Image Area Start Y	Y Acquiring Area V-Start Position		0 - 1000	
6	Image Area H Width	Image Level Acquiring Area		0 - 4095	
7	Image Area V Height	Image Level Acquiring Area Height		0 - 4095	
8	Y Target Level	Target Value of Y Level Adj.		0 - 1023	
11	Gain Tolerance	Tolerance of Level Adj.		1 - 255	
12	Image Level Tolerance	Tolerance of Image Level Adj.		1 - 255	
Group 264 Auto Calibration (YCbCr)					
0	Y-OFFSET AREA H START	Y - Offset Acquiring Area H-Start Position	925	0 - 1000	
1	Y-OFFSET AREA V START	Y - Offset Acquiring Area V-Start Position	500	0 - 1000	
2	CB - OFFSET AREA H START	CB - Offset Acquiring Area H-Start Position	925	0 - 1000	If not used: use Y's value
3	CB - OFFSET AREA V START	CB - Offset Acquiring Area V-Start Position	500	0 - 1000	If not used: use Y's value
4	CR - OFFSET AREA H START	CR - Offset Acquiring Area H-Start Position	925	0 - 1000	If not used: use Y's value
5	CR - OFFSET AREA V START	CR - Offset Acquiring Area V-Start Position	500	0 - 1000	If not used: use Y's value
6	Y - GAIN AREA H START	Y-Gain	50	0 - 1000	
7	Y - GAIN AREA V START	Y-Gain	500	0 - 1000	
8	CB - GAIN AREA H START	CB-Gain	800	0 - 1000	
9	CB - GAIN AREA V START	CB-Gain	500	0 - 1000	
10	CR - GAIN AREA H START	CR-Gain	700	0 - 1000	
11	CR - GAIN AREA V START	CR-Gain	500	0 - 1000	
12	Image AREA H WIDTH	YCBQR Level Acquiring Area	13	0 - 4095	
13	Image AREA V HEIGHT	YCBQR Level Acquiring Area Height	9	0 - 4095	
14	Y - OFFSET TARGET		1	0 - 1023	
15	CB OFFSET TARGET		512	0 - 1023	
16	CR OFFSET TARGET		512	0 - 1023	
17	Y - GAIN TARGET		808	0 - 1023	
18	CB - GAIN TARGET		892	0 - 1023	
19	CR - GAIN TARGET		892	0 - 1023	
20	OFFSET tolerance	Tolerance of OFFSET Adj.	4	1 - 255	
21	GAIN tolerance	Tolerance of GAIN Adj.	4	1 - 255	
22	Image Level Tolerance	Tolerance of Image Level Adj.	4	1 - 255	
Group 500 SCART (480i)					
2	H Back Porch		119	0 ~ 4095	
3	V Back Porch		19	0 ~ 4095	
7	Overscan		52	0 - 255	
8	VSBEQ		14	0 - 255	
16	Field Diff	Even/Odd Phase Compensation	1	0 - 2	
Group 501 SCART (525i)					
2	H Back Porch		128	0 ~ 4095	
3	V Back Porch		24	0 ~ 4095	
7	Overscan		66	0 - 255	
8	VSBEQ		14	0 - 255	
16	Field Diff	Even/Odd Phase Compensation	1	0 - 2	
Group 510 RGB Video (480i)					
2	H Back Porch		116	0 ~ 4095	
3	V Back Porch		19	0 ~ 4095	
7	Overscan		52	0 - 255	
		http://www.pureglare.com.au			

Adjustments

Group/ Item	Item Name	Function	Initial	Range	Note
8	VSBEGB		66	0 - 255	
15	Field Diff (SEP)	Even/Odd Phase Compensation on HV Sync	0	0 - 2	
16	Field (SOG)	Even/Odd Phase Compensation on SOG Sync	1	0 - 2	
Group 511	RGB Video (575i)				
2	H Back Porch		134	0 ~ 4095	
3	V Back Porch		22	0 ~ 4095	
7	Overscan		68	0 - 255	
8	VSBEGB		50	0 - 255	
15	Field Diff (SEP)	Even/Odd Phase Compensation on HV Sync	1	0 - 2	
16	Field (SOG)	Even/Odd Phase Compensation on SOG Sync	1	0 - 2	
Group 512	RGB Video (480p)				
2	H Back Porch		123	0 ~ 4095	
3	V Back Porch		36	0 ~ 4095	
7	Overscan		48	0 - 255	
8	VSBEGB		9	0 - 255	
Group 513	RGB Video (575p)				
2	H Back Porch		133	0 ~ 4095	
3	V Back Porch		44	0 ~ 4095	
7	Overscan		38	0 - 255	
8	VSBEGB		9	0 - 255	
Group 514	RGB Video (720p - 60)				
2	H Back Porch		300	0 ~ 4095	
3	V Back Porch		25	0 ~ 4095	
7	Overscan		24	0 - 255	
8	VSBEGB		10	0 - 255	
Group 515	RGB Video (720p - 50)				
2	H Back Porch		298	0 ~ 4095	
3	V Back Porch		25	0 ~ 4095	
7	Overscan		24	0 - 255	
8	VSBEGB		10	0 - 255	
Group 516	RGB Video (1080i - 60)				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		20	0 ~ 4095	
7	Overscan		26	0 - 255	
8	VSBEGB		11	0 - 255	
15	Field Diff (SEP)	Even/Odd Phase Compensation on HV Sync	1	0 - 2	
16	Field (SOG)	Even/Odd Phase Compensation on SOG Sync	1	0 - 2	
Group 517	RGB Video (1080i - 50)				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		22	0 ~ 4095	
7	Overscan		24	0 - 255	
8	VSBEGB		9	0 - 255	
15	Field Diff (SEP)	Even/Odd Phase Compensation on HV Sync	0	0 - 2	
16	Field (SOG)	Even/Odd Phase Compensation on SOG Sync	1	0 - 2	
Group 519	RGB Video (1080p - 60)				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		41	0 ~ 4095	
7	Overscan		25	0 - 255	
8	VSBEGB		5	0 - 255	
Group 520	RGB Video (1080p - 50)				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		41	0 ~ 4095	
7	Overscan		25	0 - 255	
8	VSBEGB		5	0 - 255	
Group 521	RGB Video (1080p - 30)				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		41	0 ~ 4095	
7	Overscan		25	0 - 255	
8	VSBEGB		9	0 - 255	
Group 522	RGB Video (1080p - 25)				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		41	0 ~ 4095	
7	Overscan		25	0 - 255	
8	VSBEGB		9	0 - 255	
Group 523	RGB Video (1080p - 24)				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		41	0 ~ 4095	
7	Overscan		25	0 - 255	
8	VSBEGB		8	0 - 255	

Adjustments

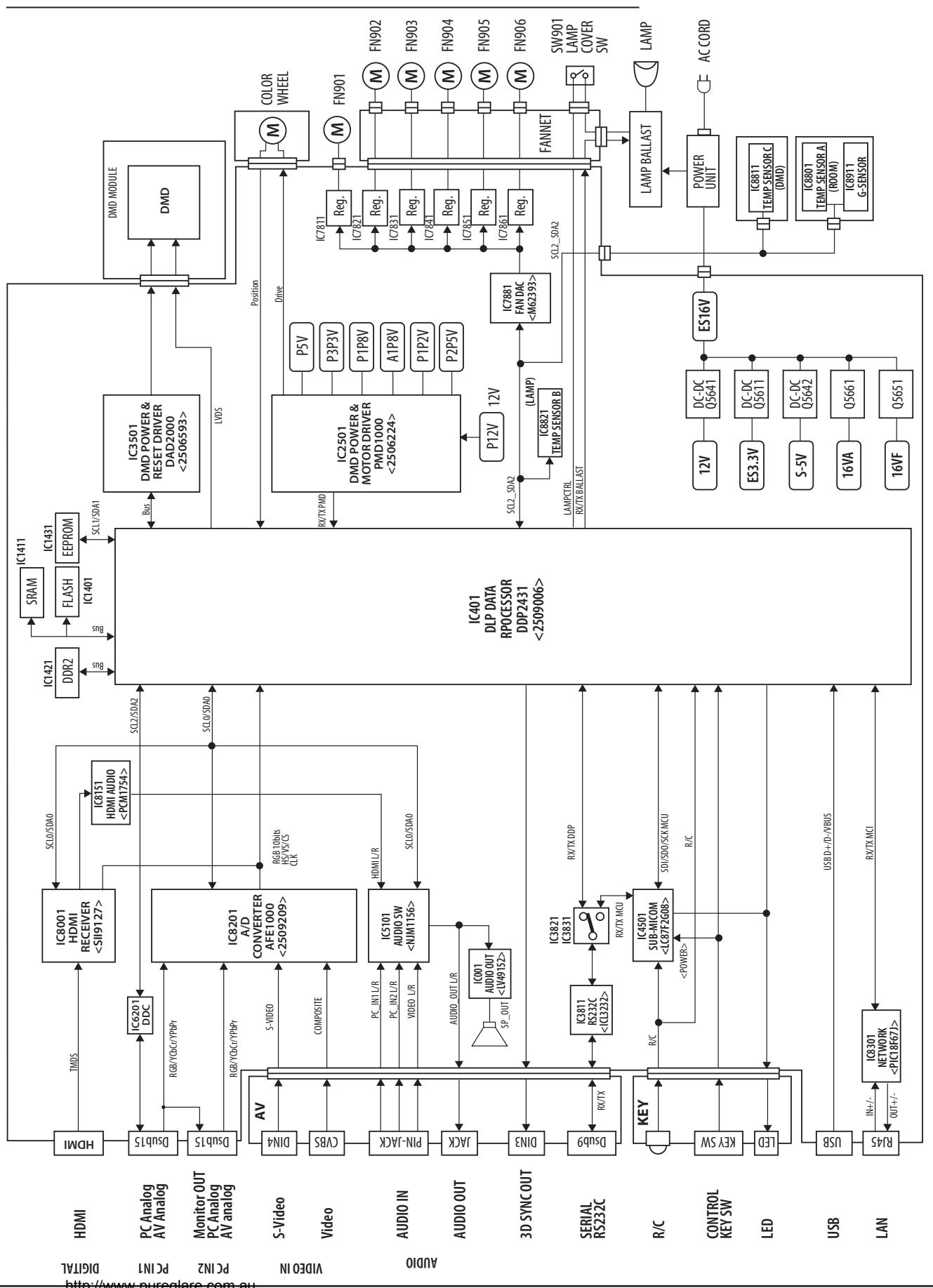
Group/ Item	Item Name	Function	Initial	Range	Note
Group 526	RGB Video (1080PSF - 24)				
2	H Back Porch		242	0 ~ 4095	
3	V Back Porch		20	0 ~ 4095	
7	Overscan		22	0 - 255	
8	VSBEGB		8	0 - 255	
15	Field Diff (SEP)	Even/Odd Phase Compensation on HV Sync	1	0 - 2	
16	Field (SOG)	Even/Odd Phase Compensation on SOG Sync	1	0 - 2	
Group 530	Composite (NTSC) For Composite / S-Video				
2	H Back Porch		78	0 ~ 4095	
3	V Back Porch		18	0 ~ 4095	
7	Overscan		54	0 - 255	
Group 531	Composite (PAL) For Composite / S-Video				
2	H Back Porch		2	0 ~ 4095	
3	V Back Porch		20	0 ~ 4095	
7	Overscan		70	0 - 255	
Group 540	YCbCr (480i)				
2	H Back Porch		124	0 ~ 4095	
3	V Back Porch		18	0 ~ 4095	
7	Overscan		36	0 - 255	
8	VSBEGB		8	0 - 255	
16	Field (SOG)	Even/Odd Phase Compensation	1	0 - 2	
Group 541	YCbCr (575i)				
2	H Back Porch		134	0 ~ 4095	
3	V Back Porch		23	0 ~ 4095	
7	Overscan		52	0 - 255	
8	VSBEGB		8	0 - 255	
16	Field (SOG)	Even/Odd Phase Compensation	1	0 - 2	
Group 542	YCbCr (480p)				
2	H Back Porch		125	0 ~ 4095	
3	V Back Porch		38	0 ~ 4095	
7	Overscan		30	0 - 255	
8	VSBEGB		8	0 - 255	
Group 543	YCrCb (575p)				
2	H Back Porch		133	0 ~ 4095	
3	V Back Porch		44	0 ~ 4095	
7	Overscan		22	0 - 255	
8	VSBEGB		8	0 - 255	
Group 544	YCrCb (720p - 60)				
2	H Back Porch		300	0 ~ 4095	
3	V Back Porch		26	0 ~ 4095	
7	Overscan		26	0 - 255	
8	VSBEGB		9	0 - 255	
Group 545	YCrCb (720p - 50)				
2	H Back Porch		298	0 ~ 4095	
3	V Back Porch		26	0 ~ 4095	
7	Overscan		26	0 - 255	
8	VSBEGB		9	0 - 255	
Group 546	YCrCb (1080i - 60)				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		20	0 ~ 4095	
7	Overscan		26	0 - 255	
8	VSBEGB		9	0 - 255	
Group 547	YCbCr (1080i - 50)				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		20	0 ~ 4095	
7	Overscan		26	0 - 255	
8	VSBEGB		9	0 - 255	
16	Field (SOG)	Even/Odd Phase Compensation	1	0 - 2	
Group 549	YCrCb (1080p - 60)				
2	H Back Porch		234	0 ~ 4095	
3	V Back Porch		42	0 ~ 4095	
7	Overscan		28	0 - 255	
8	VSBEGB		8	0 - 255	
Group 550	YCrCb (1080p - 50)				
2	H Back Porch		234	0 ~ 4095	
3	V Back Porch		42	0 ~ 4095	
7	Overscan		28	0 - 255	
8	VSBEGB		8	0 - 255	
Group 551	YCrCb (1080p - 30)				

Adjustments

Group/ Item	Item Name	Function	Initial	Range	Note
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		42	0 ~ 4095	
7	Overscan		26	0 - 255	
8	VSBEGB		9	0 - 255	
Group 552	YCrCb (1080p - 25)				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		42	0 ~ 4095	
7	Overscan		26	0 - 255	
8	VSBEGB		9	0 - 255	
Group 553	YCrCb (1080p - 24)				
2	H Back Porch		236	0 ~ 4095	
3	V Back Porch		42	0 ~ 4095	
7	Overscan		26	0 - 255	
8	VSBEGB		9	0 - 255	
Group 900	Lamp Option				
0	Lamp Replace Display	Lamp Warning Display On/Off 0: Off, 1: On	1	0 - 1	
Group 901	Lamp Warning Time				
0	Lamp Warning Time (Normal)	Lamp Life at Normal (x 500)	4	1 - 16	
1	Lamp Warning Time (Eco)	Lamp Life at Eco (x 500)	6	1 - 16	
Group 902	Lamp Reset Counter				
0	Lamp Counter Reset Times	Reset Times	-	0 - 255	

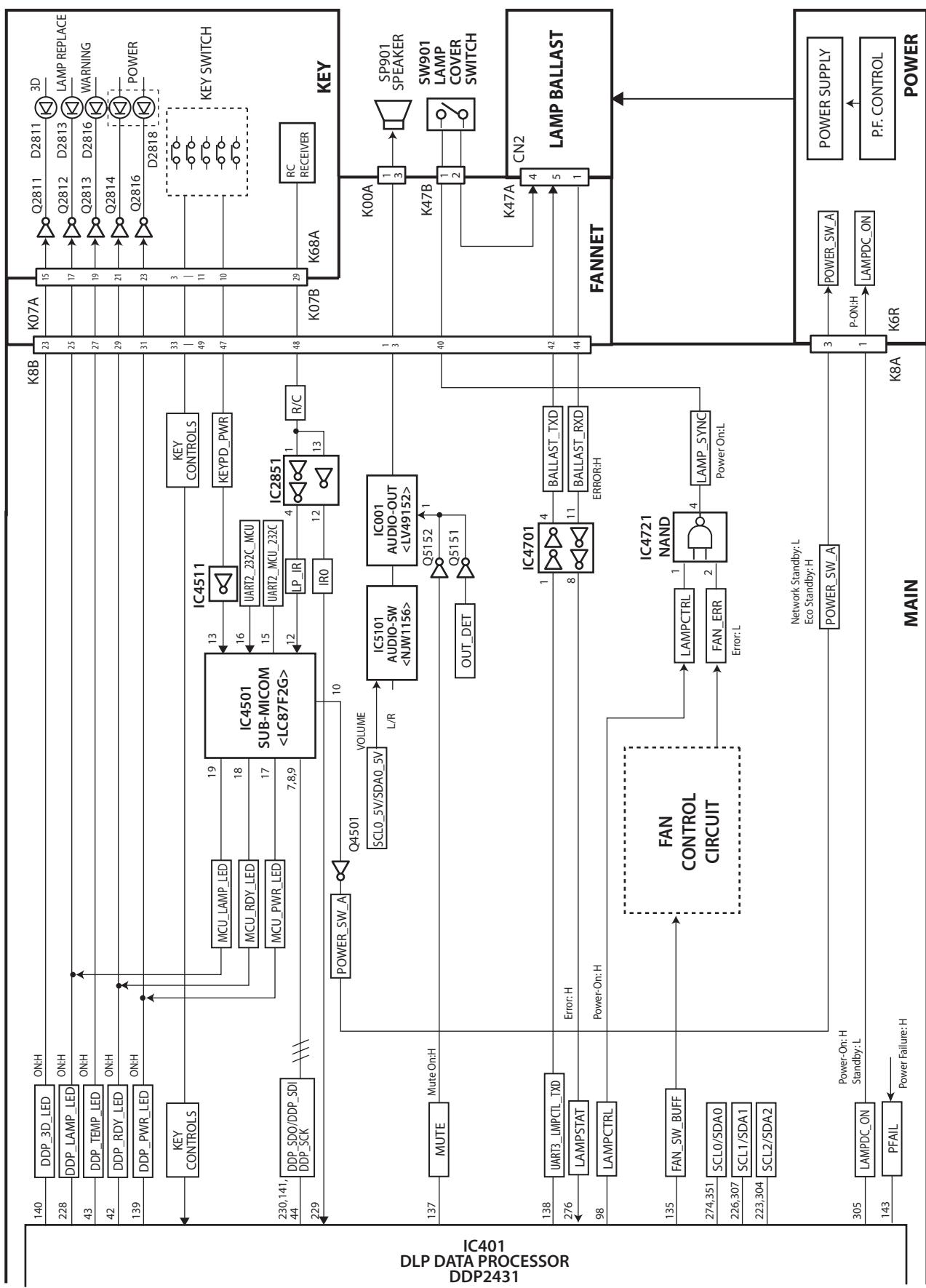
Chassis Block Diagrams

Chassis over view



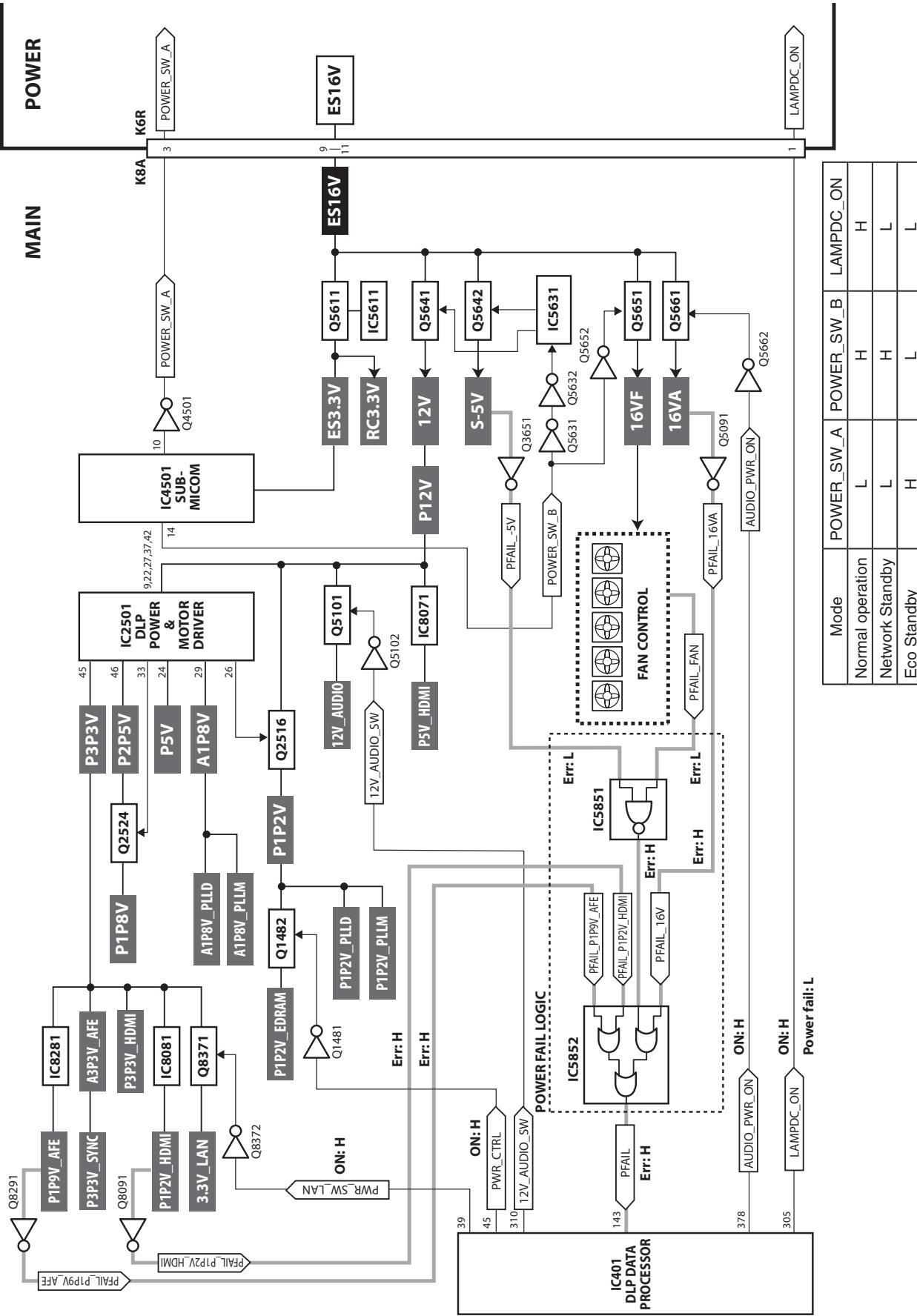
Chassis Block Diagrams

System control



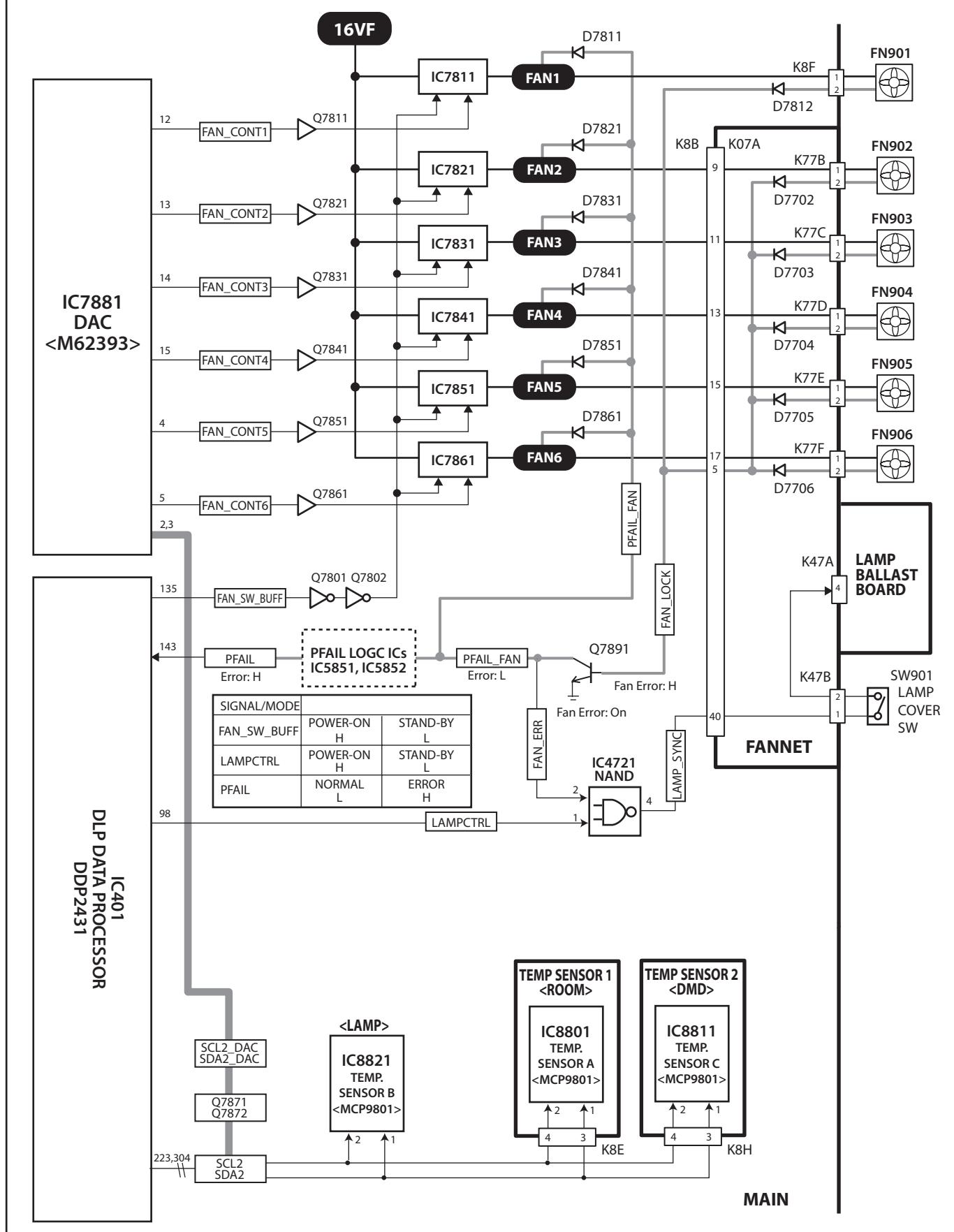
Chassis Block Diagrams

Power supply & protection circuit



Chassis Block Diagrams

Fan control circuit



Troubleshooting

Indicators and projector condition

Check the indicators for projector condition.

Indicators				Projector condition	
	POWER red/green	WARNING TEMP red	LAMP RE- PLACE yellow	3D blue	
Normal condition	●	●	●	●	The projector is off. (The AC power cord is unplugged.)
	○ red	●	*	❖	The projector is in stand-by mode. Press the ON/STAND-BY button to turn on the projector.
	○ green	●	*	❖	The projector is operating normally.
	○ red	●	*	❖	The projector is preparing for stand-by or the projection lamp is being cooled down. The projector cannot be turned on until cooling is completed and the POWER indicator stops blinking.
	○ green	●	*	❖	The projector is in the Power management mode.
	○ green	●	*	○	The projector is in 3D display mode.
Abnormal condition	○ red	○ red	*	❖	The temperature inside the projector is abnormally high. The projector cannot be turned on. When the projector is cooled down enough and the temperature returns to normal, the POWER indicator stops blinking and the projector can be turned on. (The WARNING TEMP indicator keeps blinking.)
	○ red	○ red	*	❖	The projector has been cooled down enough and the temperature returns to normal. When turning on the projector, the WARNING TEMP indicator stops blinking.
	●	○	*	❖	The projector detects an abnormal condition and cannot be turned on. Unplug the AC power cord and plug it again to turn on the projector. If the projector is turned off again, unplug the AC power cord and contact the dealer or the service center for service and checkup. Do not leave the projector on. It may cause an electric shock or a fire hazard.
	○ green	●	○	❖	The lamp has been used overtime. Replace the lamp immediately and then reset the lamp counter. The indicator will be turned off after resetting the counter.

○ ... on

○ ... blinking

● ... off

* /❖ ... Differs according to conditions

Troubleshooting

No power

This projector provides a function which can be specified a defective area simply by indicating the LEDs. Connect the AC cord and press the Power button once and then check the LED indication.

- **When all of LED indicators are not lighting,** the symptom indicates that the primary power supply circuit does not operate properly. Check the power primary circuit and parts as follow;

AC cord, F601 (Fuse), Line Filter board,

SW902 (Thermal sw.) short in normal

SW902 opens when the surrounding temperature of the switch exceeds 120°C.

- **When the WARNING TEMP (red) and POWER (red) indicators are blinking,** the symptom indicates that the projector detected an abnormal temperature risen inside the projector. Check the air filter and remove the object near the intake and exhaust fan openings, and wait until the POWER indicator stops blinking, and then try to turn on the projector.

The internal temperature is monitored by sensor ICs, IC8801 on the Temp Sensor 1 board, IC8811 on the Temp Sensor 2 board, IC8821 on the Main board.

- **When the WARNINGTEMP indicator lights red,** the symptom indicates that the projector detected an abnormality in the cooling fan operation or in the power supply secondary circuits. Check fan operation and power supply lines, and the driving signal status.

The PFAIL signal (Error: H) is sent to pin 143 of IC401< DLP DATA PROCESSOR > when the abnormality occurred inside the projector, and then the IC401 sends the shutdown signal, LAMPDC_ON, to the power supply circuit to stop its operation, and signal LAMPSYNC is supplied to the lamp ballast board via SW901< lamp cover switch > to stop operation of the lamp circuit. The LAMPSYNC signal is output from pin 98 of IC401 as the name of LAMPCTRL signal.

An abnormality occurs on the secondary power supply;

Check power supplies 12V, S-5V, 16VF, 16VA. The PFAIL signal becomes "High" when the abnormality occurs on any of the power supply lines.

An abnormality occurs on the fan control circuit;

Check FN901, FN902, FN903, FN904, FN905, FN906 and 16VF and peripheral circuit.

If any of the fans has an error, the fan lock signal drives Q7891 becomes "High". As the result, signal PFAIL_FAN becomes Low. This error signal is supplied to the P-Fail logic ICs and it is finally supplied to the pin 143 of IC401 as the PFAIL signal.

An abnormality occurs on the drive signals;

PWR_SW_LAN signal (Power-on: H) is output from pin 39 of IC401 to switch Q8372, 3.3V_LAN supply circuit. PWR_CTRL signal (Power-on: H) is output from pin 45 to switch Q1482, P1P2V_EDRAM supply circuit.

AUDIO_12V_SW signal (Poweron:H) is output from pin 310 to switch Q5101, 12V_AUDIO supply circuit. AUDIO_PWR_ON signal (Power-on:H) is output from pin 378 to switch Q5661, 16VA supply circuit.

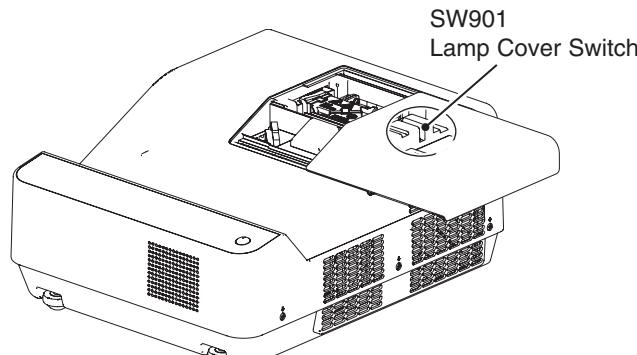
POWER_SW_B signal (Power-on:H) is output from pin 14 of IC4501 to drive IC5631 (12V, S-5V) and Q5651(16VF).

LAMPDC_ON signal (Power-on: H) is output from pin 305 of IC401 to drive the PFC circuit , IC621, on the power supply board through PC661.

LAMPSTAT signal at the pin 276 of IC401 is applied from the lamp ballast unit. If the abnormality occurred on the lamp ballast unit, LAMPSTAT signal becomes "High" and then IC401 shuts down the power supply circuit.

Lamp Cover switch

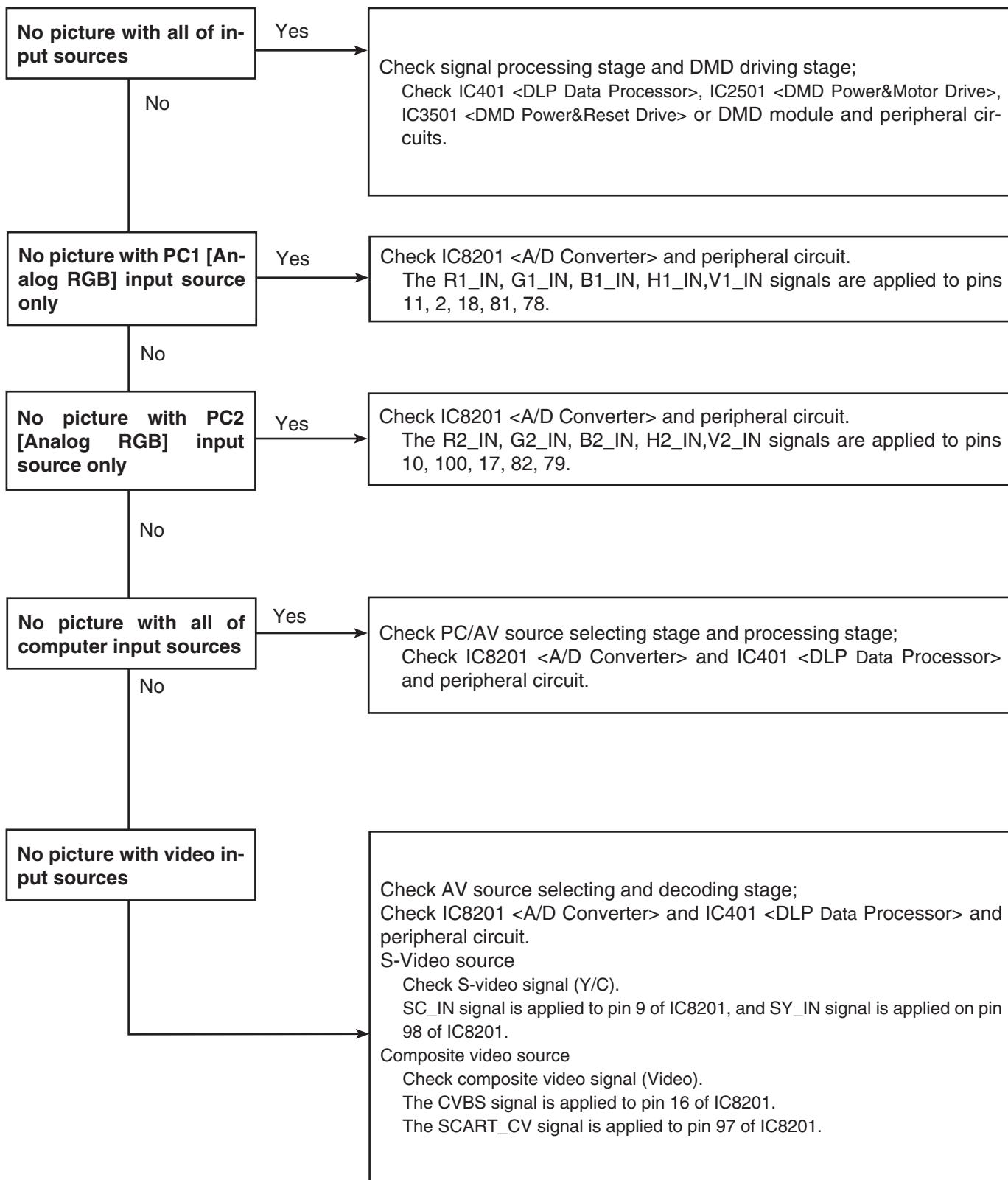
Make sure that the lamp cover is mounted correctly. If not or the lamp cover removed, the lamp does not light on for the safety. Check the lamp cover and lamp cover switch (SW901).



Troubleshooting

No picture

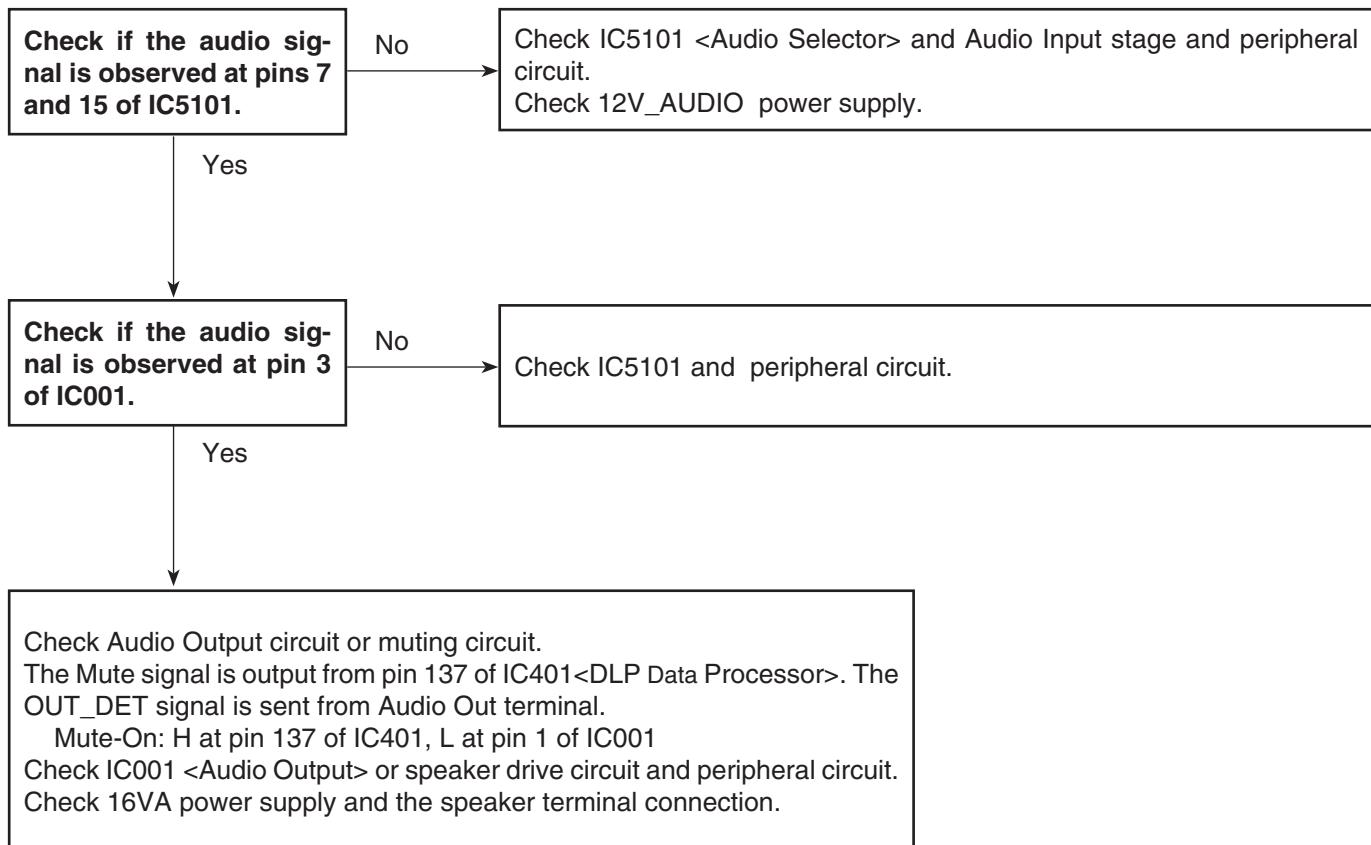
Check following steps.



Troubleshooting

No sound

Check following steps.



Troubleshooting

Error log

This projector provides the error history log function. To check the logs, you need to enter the service mode and select Group No. "220" and Item No. "0" to "49". The error code is displayed on the Data column. The description of the error code is listed on the table below.

* How to enter the service mode and select the group, item and data value, see "Service Adjustment Menu Operation".

Group No.	Item No.	Data (Error Code)
220	0	* <- Latest Error
	1	*
	2	*
	3	*
	:	:
	:	:
	49	*

Error	Error Code	Error Information	
Normal	0	-	
Power Failure	1000	MAIN, P_FAIL	Errors on the power supply lines or Fan control
	1001	WHEEL, ERROR	Error on the color wheel
Temperature Error	2000	Sensor A detects abnormal temperature. (IC8801-ROOM)	
	2001	Sensor A fails measurement. (IC8801)	
	2100	Sensor B detects abnormal temperature. (IC8821-LAMP)	
	2101	Sensor B fails measurement. (IC8821)	
	2102	Sensors B-A temperature error.	
	2200	Sensor C detects abnormal temperature. (IC8811-DMD)	
	2201	Sensor C fails measurement. (IC8811)	
	2202	Sensors C-A temperature error.	
Lamp Error	3000	Lamp1 fails on	
	3001	Lamp1 goes out	
	3002	Communication Error on Lamp1	

How to reset the error log

1. Enter the Service Mode, and select Group No. "220" and Item No. "50".

2 The history log will be reset when the Data Value is set to "10". The value automatically returns to "0".

* How to enter the service mode and select the group, item and data value, see "Service Adjustment Menu Operation".

Control Port Functions

System control (DDP, IC401)

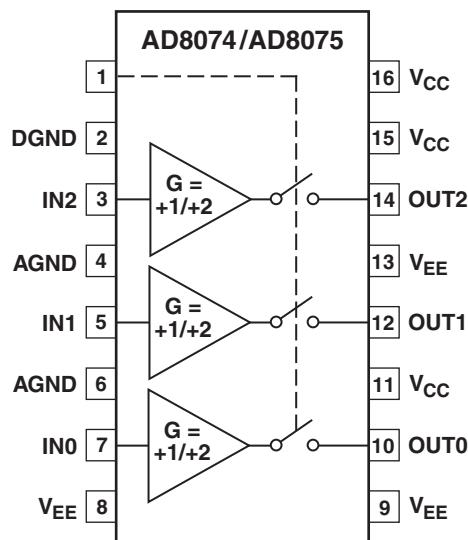
PIN NO.	PORT NO.	SIGNAL NAME	DESCRIPTION	I/O
98	D1	LAMPCTRL	Lamp On: H	O
276	D3	LAMPSTAT	Lamp Error: H	I
190	E2	USB_DAT_PS	USB	I
275	E3	USB_DAT_NS	USB	I
274	F3	SCL0	IIC Bus Control Clock	O
351	F4	SDA0	IIC Bus Control Data	I/O
304	M23	SDA2	IIC Bus Control Data	I/O
223	M24	SCL2	IIC Bus Control Clock	O
134	M25	UART1_MCI_DDP	Serial Control Rx	I
37	M26	UART1_DDP_MCI	Serial Control Tx	O
192	N2	CWINDEX	Color Wheel Index	O
267	N3	CW_PWM	Color Wheel PWM	O
378	N22	AUDIO_PWR_ON	Audio Power Drive Power-On: H	O
305	N23	LAMPDC_ON	Lamp Power Drive Power-On: H	O
224	N24	UART_SELECT	Serial Select	O
135	N25	FAN_SW_BUFF	Fan Power Drive Power-On: H	O
181	P2	A_DDCCSW1	DDC Switch	O
39	P26	PWR_SW_LAN	LAN Power Drive Power-On: H	O
307	R23	SDA1	IIC Bus Control Data	I/O
226	R24	SCL1	IIC Bus Control Clock	O
137	R25	MUTE	Sound Mute Output	O
40	R26	S_SW	S-Video Detect Input	I
138	T25	UART3_LMPCTL_TXD	Serial Control Tx	O
309	U23	3D_TOGGLE	3D Switch	O
228	U24	DDP_LAMP_LED	Lamp LED Drive	O
139	U25	DDP_PWR_LED	Power LED Drive	O
42	U26	DDP_RDY_LED	Ready LED Drive	O
310	V23	12V_AUDIO_SW	12V Audio Power Drive Power-On: H	O
229	V24	IR0	Remote Control Input	I
140	V25	DDP_3D_LED	3D LED Drive	O
43	V26	DDP_TEMP_LED	Warning LED Drive	O
311	W23	SCART_SW	SCART Input Switch	O
230	W24	DDP_SDC	3 Serial Data Output	O
141	W25	DDP_SD1	3 Serial Data Input	I
44	W26	DDP_SCK	3 Serial Clock	O
142	Y25	UART2_DDP_232C	Serial Control Tx	O
45	Y26	PWR_CTRL	RAM Power Drive	O
143	AA25	PFAIL	Power Fail Detection Input H: Error	I
45	AA26	UART2_232C_DDP	Serial Control Rx	I
329	AC9	P1_FIELD	Field Input	I
328	AC10	P1_VSYNC	VSYNC Input	I
320	AC18	ALF_HSYNC	HSYNC Input	I
320	AC20	KEYPD_KEYSTONE	Key Control Input KeyStone	I
317	AC21	KEYPD_SETUP	Key Control Input Setup	I
230	AD9	P1_HSYNC	HSYNC Input	I
240	AD19	ALF_VSYNC	VSYNC Input	I
239	AD20	KEYPD_SEL	Key Control Input Select	I
238	AD21	KEYPD_DOWN	Key Control Input Down	I
237	AD22	CABLE_SW	Cable Switch Drive	O
152	AE20	KEYPAD_PWR_DDP	Key Control Input Pwer	I
151	AE21	KEYPAD_UP	Key Control Input Up	I
150	AE22	KEYPAD_RIGHT	Key Control Input +	I
57	AF19	ALF_CSYNC	CSYNC Input	I
56	AF21	KEYPD_MENU	Key Control Input Menu	I
55	AF22	KEYPD_LEFT	Key Control Input -	I
54	AF23	MONITOR_OUT	Monitor Out Switch Output	O

Control Port Functions**IIC bus D/A converter (Fan control, IC7881)**

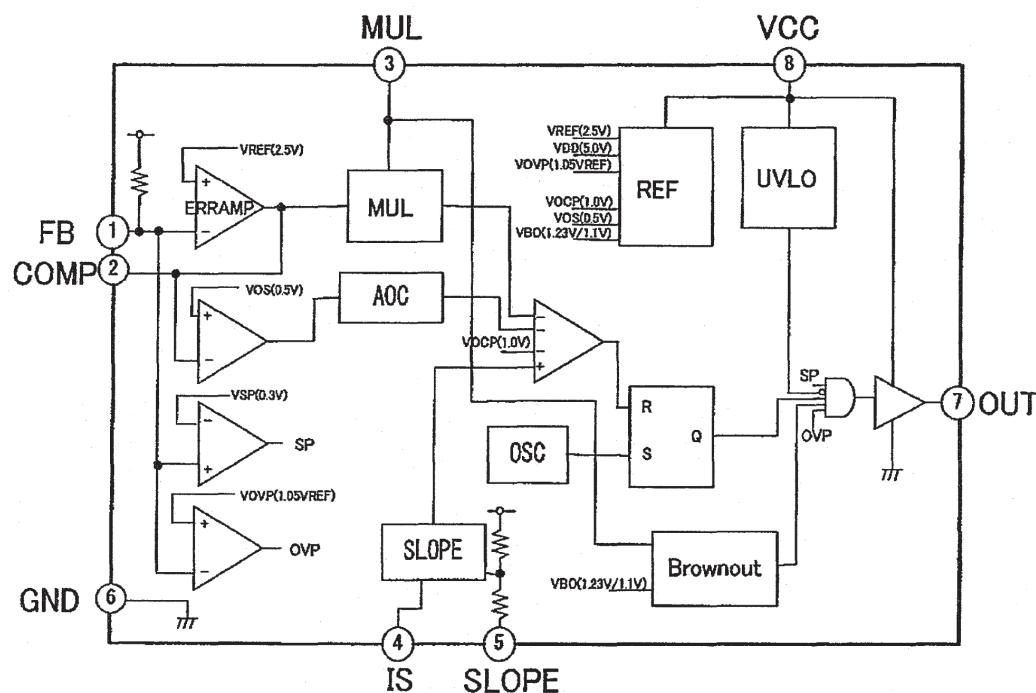
PIN NO.	FUNCTION NAME	FUNCTION	POL.	ACTION	
				Stand-by	Power On
1	Reset Input		I	->	
2	IIC BUS SCL		I	->	
3	IIC BUS SDA		I/O	->	
4	FAN_CONT5	FN905 Control Voltage (Power Box Exhaust Fan)	AO	->	0:FAN Max ~ 255:FAN Min
5	FAN_CONT6	FN906 Control Voltage (Color Wheel Intake Fan)	AO	->	0:FAN Max ~ 255:FAN Min
6				->	
7		FAN_FN902 Control Voltage (PBS Cooling)	AO	->	0:FAN Max ~ 255:FAN Min
8	GND		-	->	
9	DAC Upper Ref. Voltage(CH5~CH8)		-	->	
10	GND		-	->	
11	DAC Upper Ref. Voltage (CH1~CH4)		-	->	
12	FAN_CONT1	FN901 Control Voltage (Intake Fan)	AO	->	0:FAN Max ~ 255:FAN Min
13	FAN_CONT2	FN902 Control Voltage (Lamp Intake Fan Top)	AO	->	0:FAN Max ~ 255:FAN Min
14	FAN_CONT3	FN903 Control Voltage (Lamp Intake Fan Bottom)	AO	->	0:FAN Max ~ 255:FAN Min
15	FAN_CONT4	FN904 Control Voltage (Lamp Exhaust Fan)	AO	->	0:FAN Max ~ 255:FAN Min
16	Power for Output Buffer (4.5V ~ 5.5V)		-	->	
17	Power Supply +5V±10%		-	->	
18	Slave Address Setting Pin2 (Vdd)		I	->	H
19	Slave Address Setting Pin1 (Vdd)		I	->	H
20	Slave Address Setting Pin0 (Vdd)		I	->	H

IC Block Diagrams

● AD8075ARU <RGB switch, IC4001>

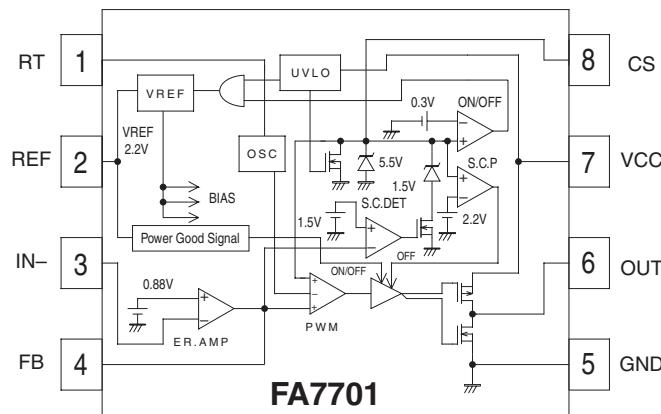


● FA5550NG <P.F. control, IC621>

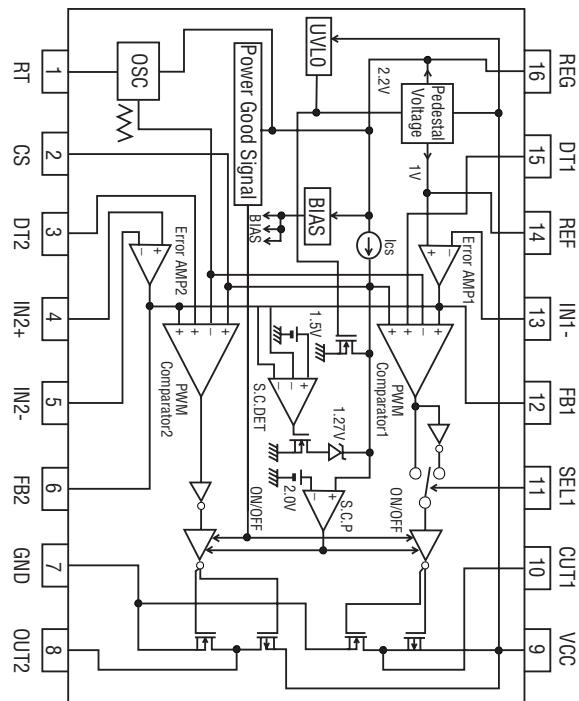


IC Block Diagrams

● FA7701 <DC-DC control, IC5611>

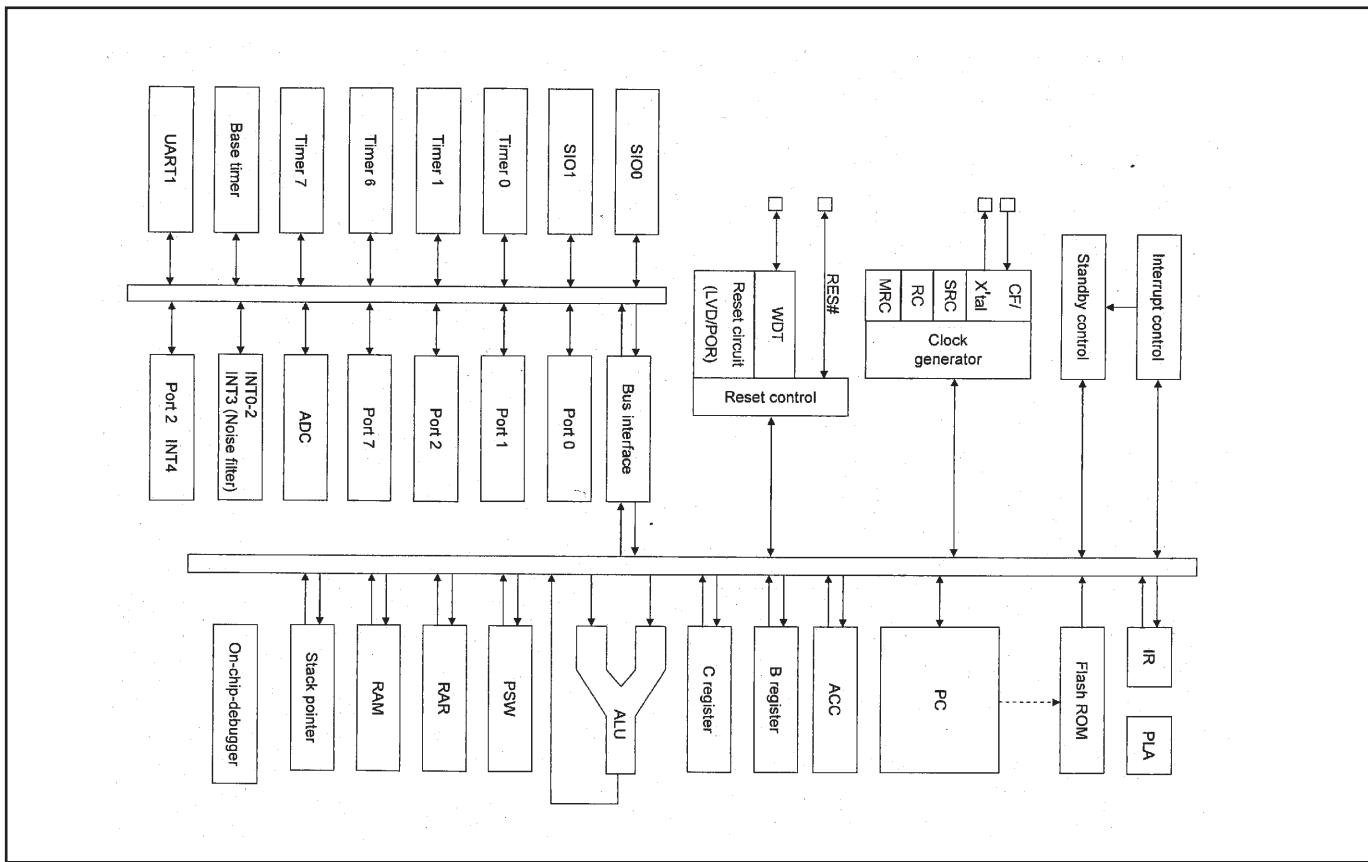


● FA7703 <DC-DC control, IC5631>

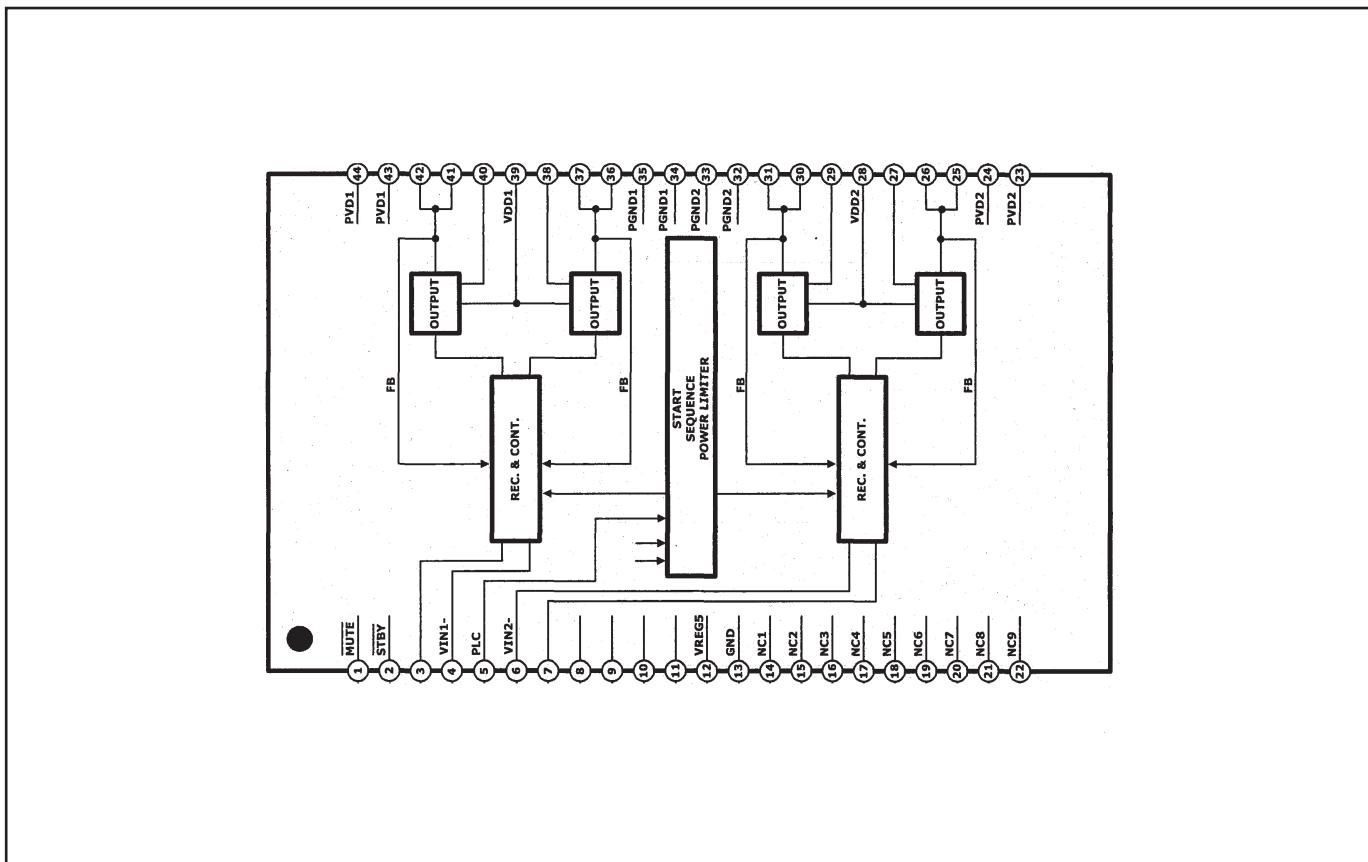


IC Block Diagrams

● LC87F2G08A <Sub micom, IC4501>

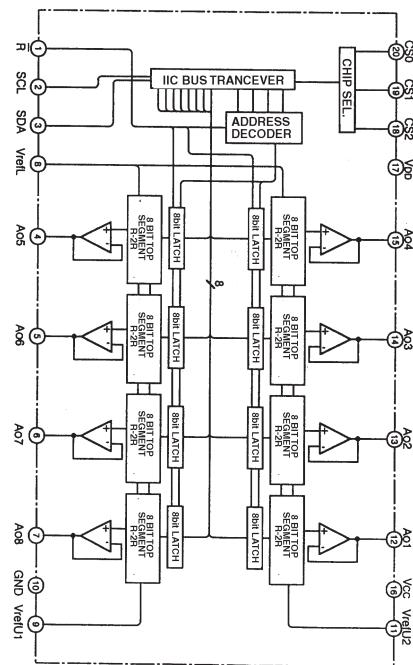


● LV49152V <Audio output, IC001>

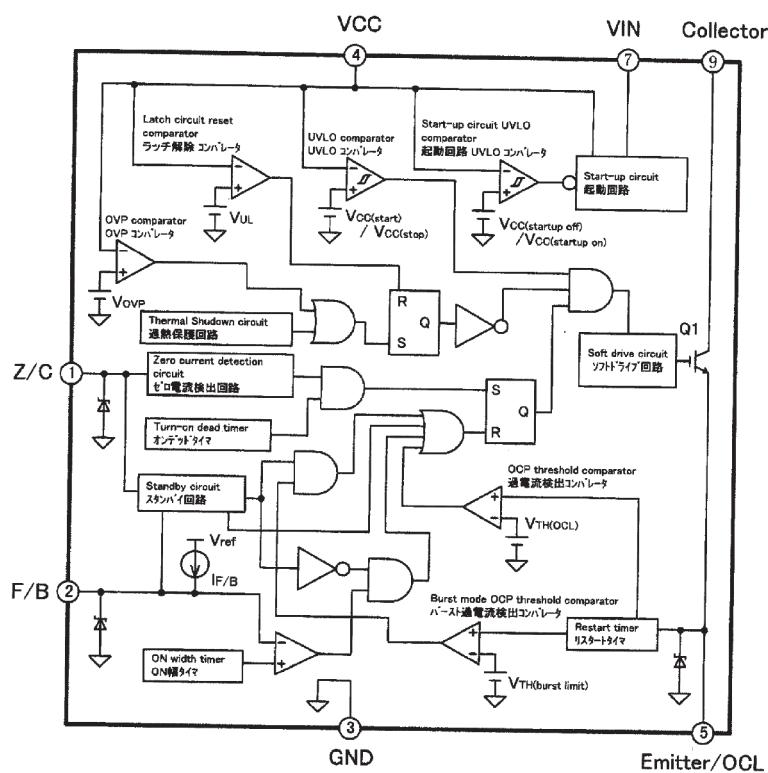


IC Block Diagrams

● M62393 <DAC, IC7881>

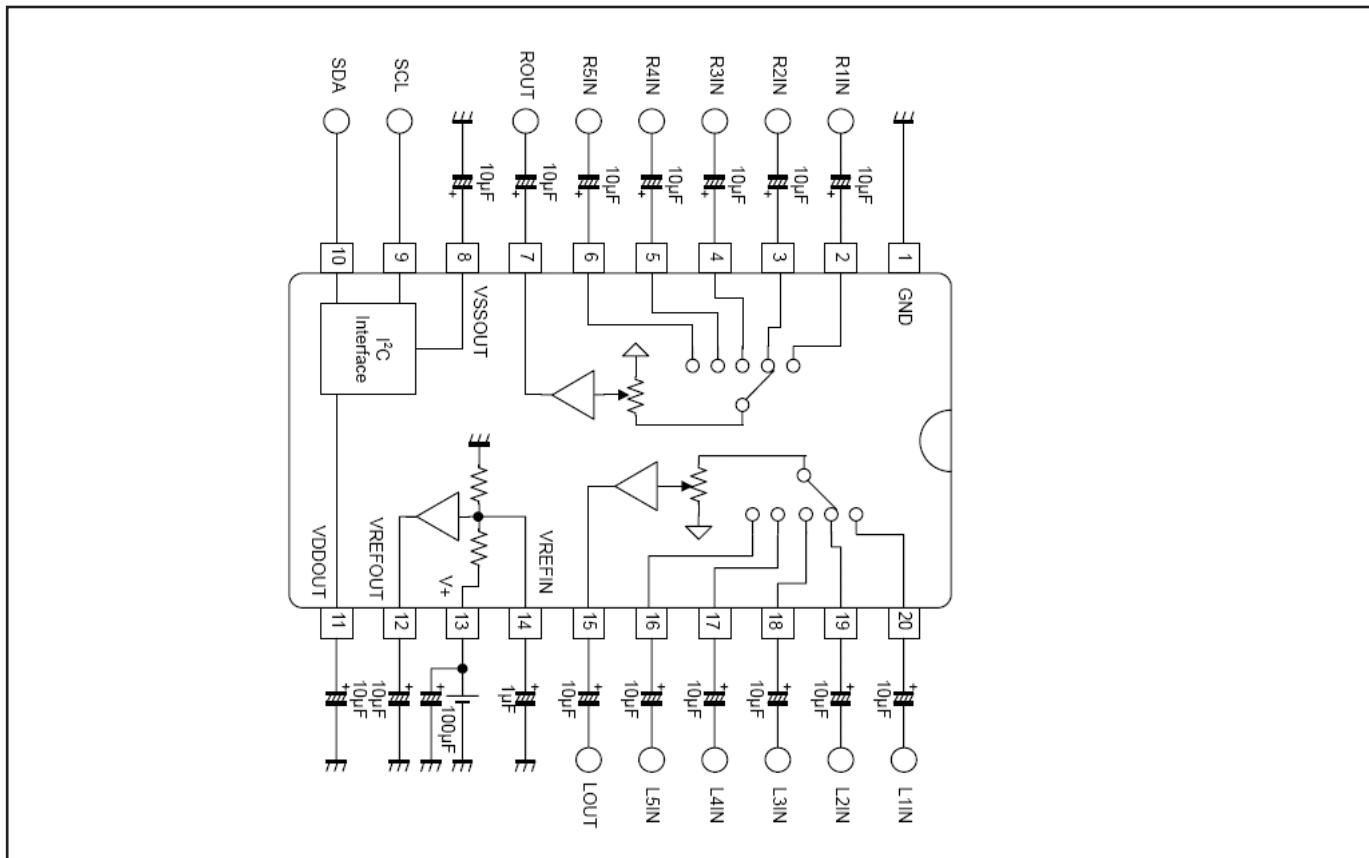


● MR4010 <Power switching, IC631>

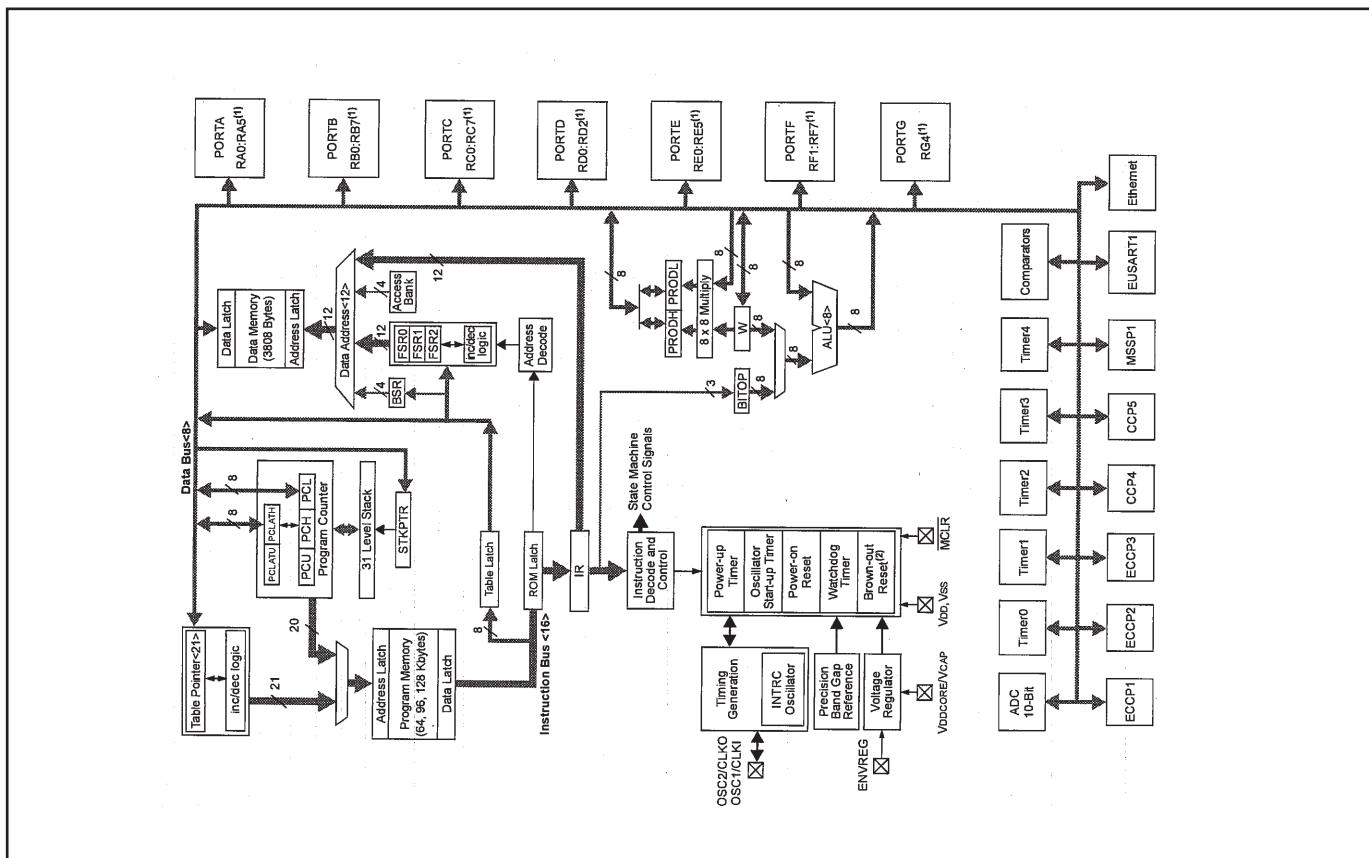


IC Block Diagrams

● NJW1156 <Audio selector, IC5101>

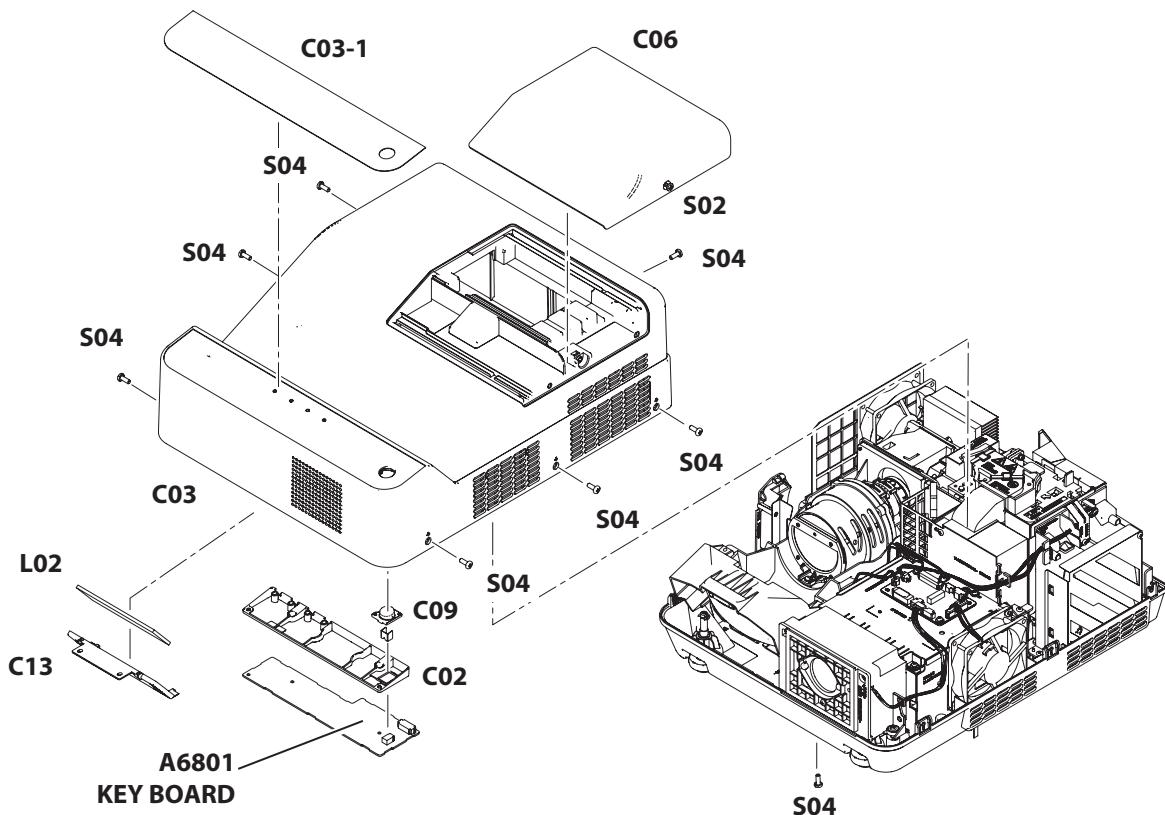


● PIC18F67J60 <Network, IC8301>

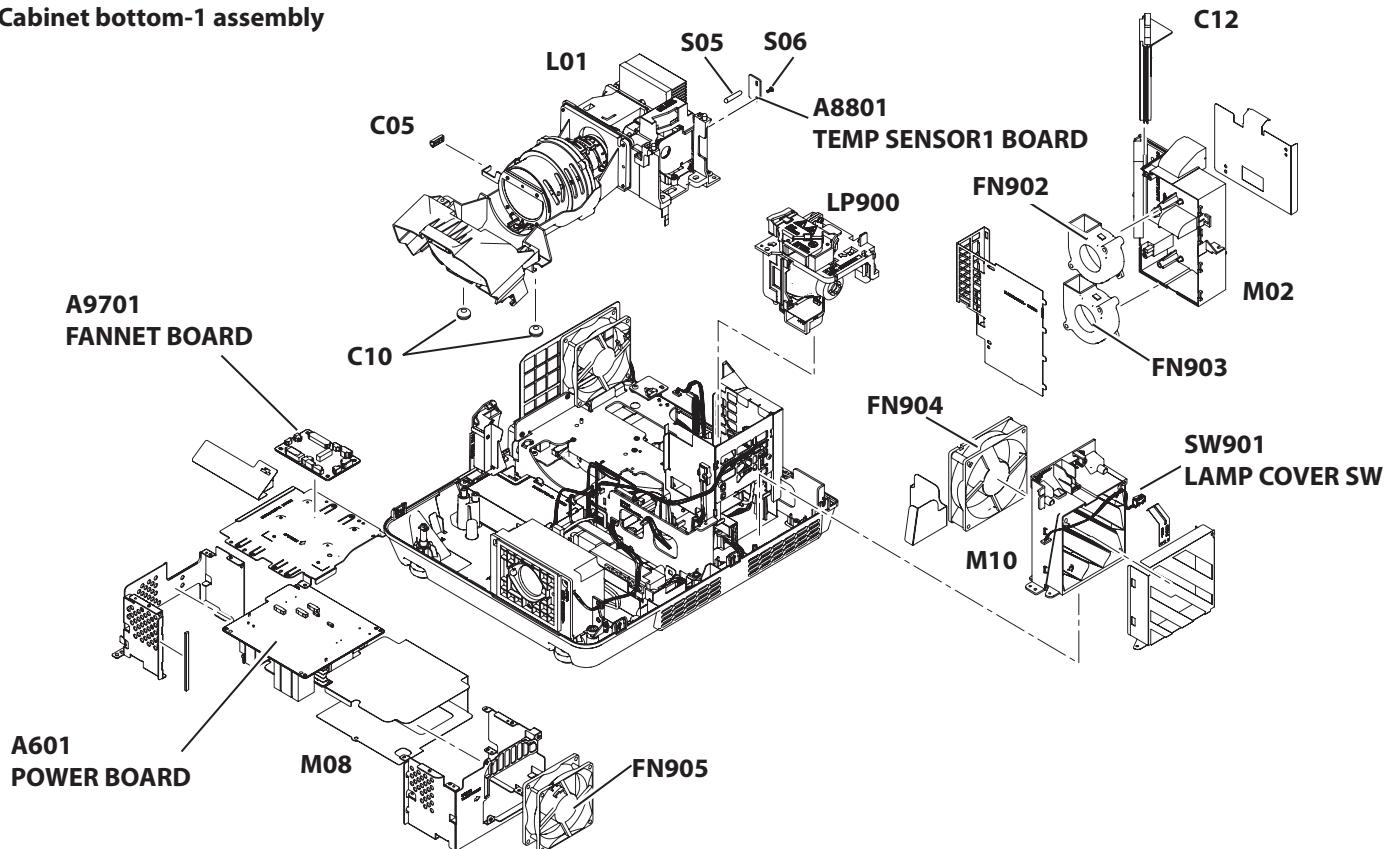


Parts Location Diagrams

Cabinet top assembly

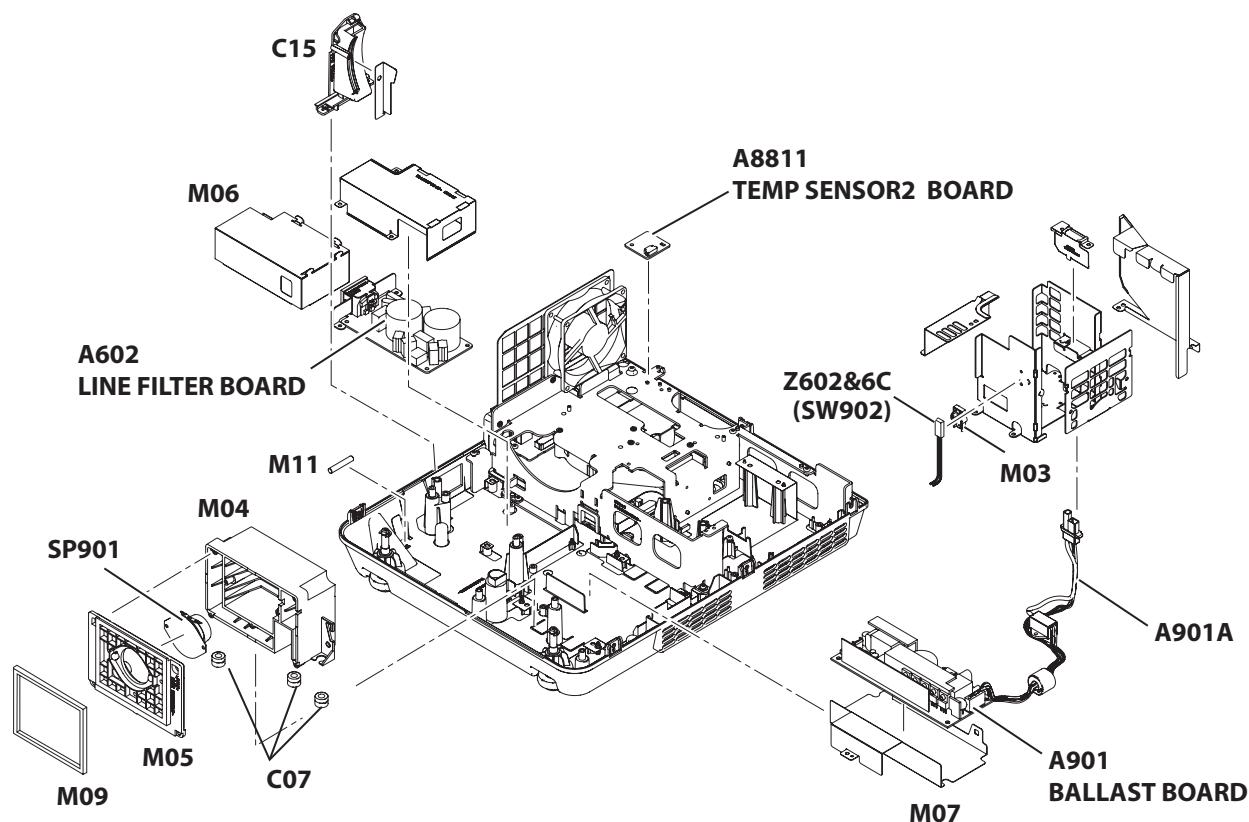


Cabinet bottom-1 assembly

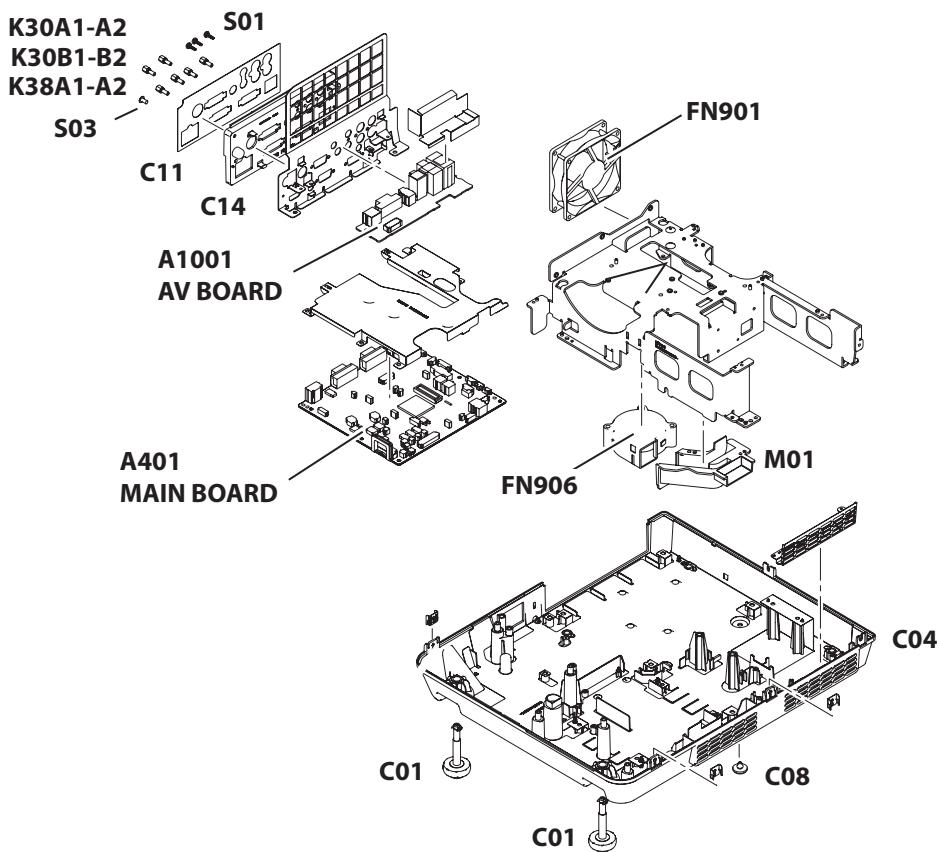


Parts Location Diagrams

Cabinet bottom-2 assembly

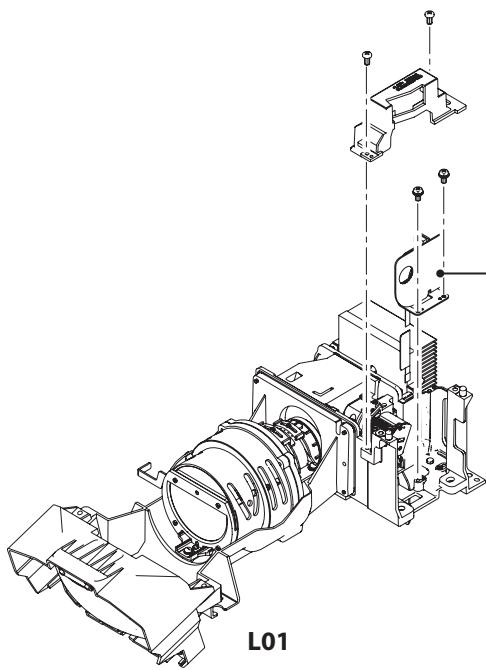


Cabinet bottom-3 assembly

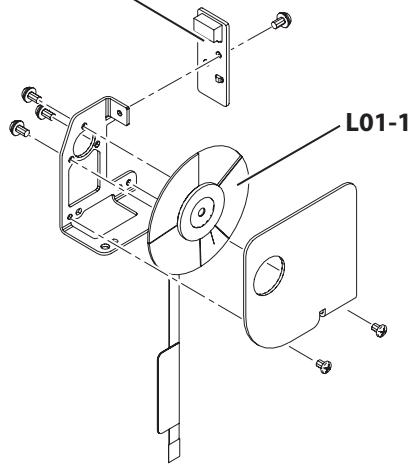


Parts Location Diagrams

Color Wheel



**A6701
CW SENSOR BOARD**

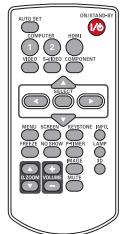


* L01 provides with A6701 and L01-1.

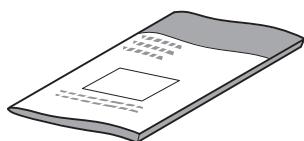
Parts Location Diagrams

● Accessories (see accessories parts list)

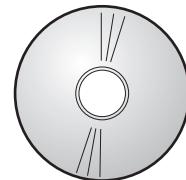
REMOTE CONTROL



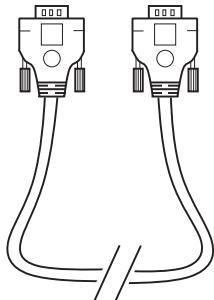
MANUALs



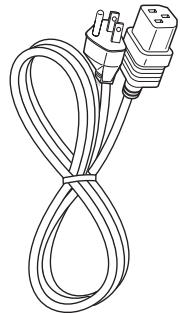
CD-ROMs



VGA CABLE



AC CORD



Mechanical Parts List

Note: Parts order must contain Chassis No., Part No., and Descriptions.

Key No. Part No.	Description	Key No. Part No.	Description
PACKING MATERIALS			SCREWS
610 355 5362 CARTON CASE-KV2AC 610 346 9249 POLY BAG 610 351 3782 CASE ACCESSORY-KG8AC 610 351 3652 CUSHION BOTTOM-KG8AC 610 351 3690 CUSHION TOP-KG8AC			S01 411 185 8802 SCR S-TPG PAN 3X8 S02 412 079 6409 SPECIAL SCREW S03 412 077 6401 SPECIAL SCREW S04 411 031 9304 SCR BIN 3X8 S05 411 221 3303 SCR SET HEX-SCT 2.5X12 S06 411 192 7607 SCR BIN 2.5X6
ACCESSORIES			OPTICAL PARTS
OWNER'S MANUAL			L01* 610 352 5839 COMPL,OPT MIR ENG-KV8AC A6701 610 348 4785 ASSY,PWB,CW SENSER KG8AC L01-1 645 103 3789 OPTICAL FILTER(CW) L02 645 103 3819 OPTICAL FILTER (B270)
610 355 6024 CD-ROM,OWNERS MANUAL-KV2AC 610 355 6017 SETUP INST MANUAL-KV2AC			* L01 provides Key No. A6701 and L01-1.
REMOTE CONTROL			
645 103 3048 ASSY,REMOCON MXBT 610 344 9944 RC-BATTERY LID-MXAC			
△ AC CORD			
US 945 064 6363 CORD,POWER-3.0MK,US EU 945 054 1156 CORD,POWER-3.0MK UK 945 054 1149 CORD,POWER-3.138MK BRA 645 102 6996 CORD,POWER-2.5MK,BRA			
MISCELLANEOUS			
945 073 4855 CABLE,INTERFACE VGA 645 093 1642 CABLE,INTERFACE VGA 652 002 9552 CABLE,INTERFACE VGA			
MECHANICAL PARTS			
CABINET PARTS			
C01 610 350 5954 ASSY,STAND LEG-KG8AC C02 610 356 1615 BUTTON CONTROL A-KV2AC C03 610 355 5393 CABINET TOP SERVICE KV2AC C03-1 610 355 5355 DEC CONTROL SHEET-KV2AC C04 610 353 2967 CABINET BOTTOM A-KG8AC C05 610 350 6005 CAP FOCUS LEVER-KG8AC C06 610 350 6050 COVER LMP-KG8AC C07 610 351 9845 DAMPER,BUSH-KG8AC C08 610 346 8495 DEC LEG-KA8AL C09 610 350 6098 DEC RC-KG8AC C10 610 353 0741 BUSH OPTICAL LNS-KG8AC C11 610 350 6081 DEC AV SHEET-KG8AC C12 610 354 2119 FLT BASE LMP IN-KG8AC C13 610 350 6265 MOUNTING COVER GL-KG8AC C14 610 350 6296 PANEL AV-KG8AC C15 610 353 3131 PANEL LEVER -KG8AC			
CHAASSIS PARTS			
M01 610 351 6547 COVER DUCT CW-KG8AC M02 610 350 6173 HOLDER FN LMP IN-KG8AC M03 610 350 6180 HOLDER TMP SW-KG8AC M04 610 350 6258 HOLDER SP BACK-KG8AC M05 610 350 6241 HOLDER SP FRONT-KG8AC M06 610 350 6326 SPACER SHEET AC-KG8AC M07 610 350 6371 SPACER SHEET BST B-KG8AC M08 610 351 3638 SPACER SHEET POW T-KG8AC M09 610 351 3539 SPACER SP-KG8AC M10 610 353 7306 SHIELD LMP EXH C-KG8AC M11 610 353 2509 STOPPER BOSS A-KG8AC			

Electrical Parts List

Product safety should be considered when a component replacement is made in any area of a projector. Components indicated by a Δ mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

● Read Description in the parts list

Read description in the Capacitor and Resistor as follows:

CAPACITOR CERAMIC 100P K 50V

Rated Voltage

Tolerance Symbols:

Less than 10pF

A : Not specified	B : $\pm 0.1\text{pF}$	C : $\pm 0.25\text{pF}$
D : $\pm 0.5\text{pF}$	E : $+0 - 1\text{pF}$	F : $\pm 1\text{PF}$
G : $\pm 2\text{pF}$	H : $+0.1 - 0\text{pF}$	L : $+0 - 0.1\text{pF}$
R : $\pm 0.25 - 0\text{pF}$	S : $+0 - 0.25\text{pF}$	

More than 10pF

A : Not specified	B : $\pm 0.1\%$	C : $\pm 0.25\%$
D : $\pm 0.5\%$	F : $\pm 1\%$	G : $\pm 2\%$
H : $\pm 3\%$	J : $\pm 5\%$	K : $\pm 10\%$
L : $\pm 15\%$	M : $\pm 20\%$	N : $\pm 30\%$
P : $+100 - 0\%$	Q : $+30 - 10\%$	T : $+50 - 10\%$
U : $+75 - 10\%$	V : $+20 - 10\%$	W : $+100 - 10\%$
X : $+40 - 20\%$	Y : $+150 - 10\%$	Z : $+80 - 20\%$

Rated value: P=pico farad, U=micro farad

Material:

CERAMIC.....Ceramic
 MT-PAPER.....Metallized Paper
 POLYESTER.....Polyester
 MT-POLYEST.....Metallized Polyester
 POLYPRO.....Polypropylene
 MT-POLYPRO....Metallized Polypropylene
 COMPO FILM.....Composite film
 MT-COMPO.....Metallized Composite
 STYRENE.....Styrene
 TA-SOLID.....Tantalum Oxide Solid Electrolytic
 AL-SOLID.....Aluminium Solid Electrolytic
 ELECT.....Aluminum Foil Electrolytic
 NP-ELECT.....Non-polarised Electrolytic
 OS-SOLID.....Aluminium Solid with Organic Semiconductive Electrolytic
 POS-SOLID.....Polymerized Organic Semiconductive
 DL-ELECT.....Double Layered Electrolytic
 PPS-FILM.....Polyphenylene Sulfide Film
 MT-PPS-FILM....Metalized Polyphenylene Sulfide Film
 MT-PEN-FILM....Metalized Polyethylenenaphthalate Film
 CAPACITOR.....Other

RESISTOR CARBON 4.7K J A 1/4W

Rated Wattage

Performance Symbols:

A: General B: Non flammable Z: Low noise

Other: Temperature coefficient

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: $\pm 8000\text{ppm}/^\circ\text{C} \pm 10\%$

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: $+5 - 15\%$ Z: 0 ohm

Rated value, ohms:

K: 1,000, M: 1,000,000

Material:

CARBON.....Carbon
 MT-FILM.....Metal Film
 OXIDE-MT.....Oxide Metal Film
 SOLID.....Composition
 MT-GLAZE.....Metal Glaze
 WIRE WOUND...Wire Wound
 CERAMIC RES.. Ceramic
 FUSIBLE RES....Fusible
 RESISTOROther

Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description			
ASSEMBLED BOARDS								
△ A1001	610 350 0072	ASSY,PWB,AV KG8AC	C9701	303 438 0219	CERAMIC 0.1U K 16V			
△ A8801	610 350 0102	ASSY,PWB,TEMP SENSOR1 KG8AC		303 409 3426	CERAMIC 0.1U K 16V			
△ A8811	610 350 0126	ASSY,PWB,TEMP SENSOR2 KG8AC		303 453 8610	CERAMIC 0.1U K 16V			
△ A9701	610 350 1161	ASSY,PWB,FANNET KG8AC		303 453 8917	CERAMIC 0.1U K 16V			
△ A401	610 352 6034	ASSY,PWB,MAIN KV8AC	C9702	303 438 0219	CERAMIC 0.1U K 16V			
△ A6801	610 355 6000	ASSY,PWB,KEY KV2AC		303 409 3426	CERAMIC 0.1U K 16V			
△ A601	610 350 1406	ASSY,PWB,POWER.KG8AC		303 453 8610	CERAMIC 0.1U K 16V			
△ A602	610 350 1420	ASSY,PWB,LINE FILTER KG8AC		303 453 8917	CERAMIC 0.1U K 16V			
OUT OF CIRCUIT BOARD								
△ LP900	610 351 3744	COMPL,OPT LMP-KG8AC	RESISTOR					
L901	945 023 4959	CORE,CLAMP	R2001	301 294 2712	MT-GLAZE 150 FA 1/16W			
L902	645 085 6051	CORE,FERRITE	R2002	301 294 2712	MT-GLAZE 150 FA 1/16W			
	945 033 2228	CORE,FERRITE	R2003	301 225 8110	MT-GLAZE 10 JA 1/16W			
	952 001 9431	CORE,CLAMP	R2004	301 294 2712	MT-GLAZE 150 FA 1/16W			
L903	945 003 3835	CORE,FERRITE	R2006	301 294 2712	MT-GLAZE 150 FA 1/16W			
	652 003 1098	CORE,CLAMP	R2007	301 225 8110	MT-GLAZE 10 JA 1/16W			
L904	945 003 3835	CORE,FERRITE	R2008	301 294 2712	MT-GLAZE 150 FA 1/16W			
	652 003 1098	CORE,CLAMP	R2009	301 294 2712	MT-GLAZE 150 FA 1/16W			
L905	945 003 3835	CORE,FERRITE	R2011	301 225 8110	MT-GLAZE 10 JA 1/16W			
	652 003 1098	CORE,CLAMP	R2012	301 224 8814	MT-GLAZE 100 JA 1/16W			
△ A901	645 103 0627	UNIT,BALLAST	R3801	301 225 8110	MT-GLAZE 10 JA 1/16W			
A901A	610 351 3768	CABLE,BALLAST KG8AC	R3802	301 225 8110	MT-GLAZE 10 JA 1/16W			
△ FN901	645 103 5080	MOTOR,FAN DC 2.28W	R5001	301 225 1418	MT-GLAZE 47K JA 1/16W			
△ FN902	645 103 5097	MOTOR,BLW DC 3.96W	R5002	301 225 1418	MT-GLAZE 47K JA 1/16W			
△ FN903	645 103 5103	MOTOR,BLW DC 3.96W	R5011	301 225 1418	MT-GLAZE 47K JA 1/16W			
△ FN904	645 103 5073	MOTOR,FAN DC 3.0W	R5012	301 225 1418	MT-GLAZE 47K JA 1/16W			
△ FN905	645 103 5080	MOTOR,FAN DC 2.28W	R5013	301 225 1418	MT-GLAZE 47K JA 1/16W			
△ FN906	645 103 5110	MOTOR,BLW DC 3.96W	R5014	301 225 1418	MT-GLAZE 47K JA 1/16W			
K30A1	312 073 0406	SPECIAL SCREW	R5021	301 224 8913	MT-GLAZE 100K JA 1/16W			
K30A2	312 073 0406	SPECIAL SCREW	R5022	301 224 8913	MT-GLAZE 100K JA 1/16W			
K30B1	312 073 0406	SPECIAL SCREW	R5023	301 224 8814	MT-GLAZE 100 JA 1/16W			
K30B2	312 073 0406	SPECIAL SCREW	R5024	301 224 8814	MT-GLAZE 100 JA 1/16W			
K38A1	312 073 0406	SPECIAL SCREW	R5026	301 226 1516	MT-GLAZE 0.000 ZA 1/16W			
K38A2	312 073 0406	SPECIAL SCREW	R9701	301 226 1516	MT-GLAZE 0.000 ZA 1/16W			
SP901	652 003 2699	SPEAKER,8	R9703	301 150 6014	MT-GLAZE 0.000 ZA 1/10W			
SW901	645 097 3925	SWITCH,MICRO 1P-2T	COIL					
△ Z602&6C	652 003 3092	ASSY,WIRE+SW902	L2001	945 086 7461	FILTER,EMI 100MHZ			
A1001 610 350 0072 ASSY,PWB,AV KG8AC			L2002	945 086 7461	FILTER,EMI 100MHZ			
CAPACITOR			L2003	945 086 7461	FILTER,EMI 100MHZ			
C2001	303 305 4715	CERAMIC 330P J 50V	L2006	945 001 5923	INDUCTOR,2.2U M			
	303 453 6913	CERAMIC 330P J 50V	L2007	945 001 5923	INDUCTOR,2.2U M			
C2002	303 157 6813	CERAMIC 680P K 50V	L3801	945 068 8325	FILTER,EMI 20MHZ			
	304 091 4900	CERAMIC 680P K 50V	L3802	945 068 8325	FILTER,EMI 20MHZ			
C2003	303 305 4715	CERAMIC 330P J 50V	L5001	945 068 8325	FILTER,EMI 20MHZ			
	303 453 6913	CERAMIC 330P J 50V	L5002	945 068 8325	FILTER,EMI 20MHZ			
C2004	303 438 0219	CERAMIC 0.1U K 16V	L5011	945 068 8325	FILTER,EMI 20MHZ			
	303 409 3426	CERAMIC 0.1U K 16V	L5012	945 068 8325	FILTER,EMI 20MHZ			
	303 453 8610	CERAMIC 0.1U K 16V	L5013	945 068 8325	FILTER,EMI 20MHZ			
	303 453 8917	CERAMIC 0.1U K 16V	L5014	945 068 8325	FILTER,EMI 20MHZ			
C5021	303 294 6110	CERAMIC 100P J 50V	L5021	945 068 8325	FILTER,EMI 20MHZ			
	303 454 0910	CERAMIC 100P J 50V	L5022	945 068 8325	FILTER,EMI 20MHZ			
	303 453 6319	CERAMIC 100P J 50V	MISCELLANEOUS					
C5022	303 294 6110	CERAMIC 100P J 50V	K20A	945 067 6124	TERMINAL,BOARD			
	303 454 0910	CERAMIC 100P J 50V		952 001 7932	TERMINAL, BOARD			
	303 453 6319	CERAMIC 100P J 50V	K38A	652 002 8135	PLUG,D-SUB 9P			
	303 453 6319	CERAMIC 100P J 50V	K50A	952 001 9585	JACK,RCA-2			
	303 453 6319	CERAMIC 100P J 50V	K50B	945 076 2742	JACK,PHON D3.6			
	303 454 0910	CERAMIC 100P J 50V		652 002 4847	JACK,PHONE D3.6			
	303 454 0910	CERAMIC 100P J 50V		652 002 1808	JACK,PHONE D3.6			
	303 453 6319	CERAMIC 100P J 50V	K50C	945 006 4792	JACK,PHONE D3.6			
	303 453 6319	CERAMIC 100P J 50V		952 001 0070	JACK,PHONE D3.6			
	303 453 6319	CERAMIC 100P J 50V		952 001 0971	JACK,PHONE D3.5			

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
K97A	652 003 2774	SOCKET,DIN 3P			C701	303 453 8917	CERAMIC	0.1U K	16V
SC2001	945 076 3503	SURGE-ABSORBER				303 438 0219	CERAMIC	0.1U K	16V
SC2002	945 076 3503	SURGE-ABSORBER				303 409 3426	CERAMIC	0.1U K	16V
SC2003	945 076 3503	SURGE-ABSORBER				303 453 8610	CERAMIC	0.1U K	16V
SC3801	945 076 3503	SURGE-ABSORBER				303 453 8917	CERAMIC	0.1U K	16V
SC3802	945 076 3503	SURGE-ABSORBER			C7702	303 438 0219	CERAMIC	0.1U K	16V
SC5001	945 076 3503	SURGE-ABSORBER				303 409 3426	CERAMIC	0.1U K	16V
SC5002	945 076 3503	SURGE-ABSORBER				303 453 8610	CERAMIC	0.1U K	16V
SC5011	945 076 3503	SURGE-ABSORBER				303 453 8917	CERAMIC	0.1U K	16V
SC5012	945 076 3503	SURGE-ABSORBER			C7703	303 438 0219	CERAMIC	0.1U K	16V
SC5013	945 076 3503	SURGE-ABSORBER				303 409 3426	CERAMIC	0.1U K	16V
SC5014	945 076 3503	SURGE-ABSORBER				303 453 8610	CERAMIC	0.1U K	16V
SC5021	945 076 3503	SURGE-ABSORBER				303 453 8917	CERAMIC	0.1U K	16V
SC5022	945 076 3503	SURGE-ABSORBER			C7704	303 438 0219	CERAMIC	0.1U K	16V
SC9701	945 076 3503	SURGE-ABSORBER				303 409 3426	CERAMIC	0.1U K	16V
						303 453 8610	CERAMIC	0.1U K	16V
						303 453 8917	CERAMIC	0.1U K	16V
A8801	610 350 0102	ASSY,PWB,TEMP SENSOR1 KG8AC			C7705	303 438 0219	CERAMIC	0.1U K	16V
CAPACITOR									
C8801	303 438 0219	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V	C7706	303 438 0219	CERAMIC	0.1U K	16V
C8911	303 438 0219	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V					
C8912	303 370 0018	CERAMIC	10U K	6.3V	RESISTOR				
	303 368 7319	CERAMIC	10U K	6.3V	R7702	301 224 9019	MT-GLAZE	10K JA	1/16W
	303 358 3215	CERAMIC	10U K	6.3V	R7703	301 224 9019	MT-GLAZE	10K JA	1/16W
					R7704	301 224 9019	MT-GLAZE	10K JA	1/16W
					R7705	301 224 9019	MT-GLAZE	10K JA	1/16W
					R7706	301 224 9019	MT-GLAZE	10K JA	1/16W
RESISTOR					COIL				
R8801	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	L4751	645 092 3616	IMPEDANCE,22 OHM P		
R8802	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	L4752	945 041 1978	INDUCTOR,330 OHM		
R8803	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	L4753	645 092 3616	IMPEDANCE,22 OHM P		
R8804	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	L4754	645 092 3616	IMPEDANCE,22 OHM P		
R8809	301 224 9019	MT-GLAZE	10K JA	1/16W	L4756	645 092 3616	IMPEDANCE,22 OHM P		
R8911	301 225 1210	MT-GLAZE	4.7K JA	1/16W	L701	945 041 1978	INDUCTOR,330 OHM		
R8914	301 225 1210	MT-GLAZE	4.7K JA	1/16W	L702	645 092 3616	IMPEDANCE,22 OHM P		
R8916	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	L703	645 092 3616	IMPEDANCE,22 OHM P		
R8917	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	L704	645 092 3616	IMPEDANCE,22 OHM P		
					L706	645 092 3616	IMPEDANCE,22 OHM P		
					L707	645 092 3616	IMPEDANCE,22 OHM P		
					L7702	945 041 1978	INDUCTOR,330 OHM		
					L7703	945 041 1978	INDUCTOR,330 OHM		
					L7704	945 041 1978	INDUCTOR,330 OHM		
					L7705	945 041 1978	INDUCTOR,330 OHM		
					L7706	945 041 1978	INDUCTOR,330 OHM		
A8811	610 350 0126	ASSY,PWB,TEMP SENSOR2 KG8AC			DIODE				
CAPACITOR									
C8811	303 438 0219	CERAMIC	0.1U K	16V	D7702	307 149 0810	DIODE 1SS355-TE-17		
	303 409 3426	CERAMIC	0.1U K	16V		408 062 7201	DIODE 1SS355		
	303 453 8610	CERAMIC	0.1U K	16V		307 163 0414	DIODE 1SS352-(TPH3)		
	303 453 8917	CERAMIC	0.1U K	16V	D7703	307 149 0810	DIODE 1SS355-TE-17		
RESISTOR						408 062 7201	DIODE 1SS355		
R8811	301 226 1516	MT-GLAZE	0.000 ZA	1/16W		307 163 0414	DIODE 1SS352-(TPH3)		
R8812	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	D7704	307 149 0810	DIODE 1SS355-TE-17		
R8813	301 226 1516	MT-GLAZE	0.000 ZA	1/16W		408 062 7201	DIODE 1SS355		
R8818	301 224 9019	MT-GLAZE	10K JA	1/16W		307 163 0414	DIODE 1SS352-(TPH3)		
R8819	301 224 9019	MT-GLAZE	10K JA	1/16W	D7705	307 149 0810	DIODE 1SS355-TE-17		
						408 062 7201	DIODE 1SS355		
						307 163 0414	DIODE 1SS352-(TPH3)		
A9701	610 350 1161	ASSY,PWB,FANNET KG8AC			D7706	307 149 0810	DIODE 1SS355-TE-17		
CAPACITOR						408 062 7201	DIODE 1SS355		
C4751	303 438 0219	CERAMIC	0.1U K	16V		307 163 0414	DIODE 1SS352-(TPH3)		
	303 409 3426	CERAMIC	0.1U K	16V					
	303 453 8610	CERAMIC	0.1U K	16V					

Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description
		MISCELLANEOUS			
SC001	945 076 3503	SURGE-ABSORBER	Q3051	305 015 8727	TR 2SC2812-L6-TB
SC002	945 076 3503	SURGE-ABSORBER		305 015 8925	TR 2SC2812-L7-TB
				305 163 1615	TR 2SC2812N-L6-TB0
				305 173 9816	TR 2SC3928A1R
				305 173 9915	TR 2SC3928A1S
A401	610 352 6034	ASSY,PWB,MAIN KV8AC	Q3052	305 147 2218	TR 2SA1037AK-S-T146
				405 220 3016	TR ISA1235AC1F
				305 134 5928	TR 2SA1037AK-T146-R
				405 220 3115	TR ISA1235AC1E
				305 173 9717	TR 2SA1235A1F
			Q3061	305 173 9618	TR 2SA1235A1E
Q1481	305 015 8727	TR 2SC2812-L6-TB		305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB		305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0		305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R		305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S		305 173 9915	TR 2SC3928A1S
Q1482	305 200 9314	TR 2SK3492-TL-E	Q3062	305 147 2218	TR 2SA1037AK-S-T146
Q2021	305 015 8727	TR 2SC2812-L6-TB		405 220 3016	TR ISA1235AC1F
	305 015 8925	TR 2SC2812-L7-TB		305 134 5928	TR 2SA1037AK-T146-R
	305 163 1615	TR 2SC2812N-L6-TB0		405 220 3115	TR ISA1235AC1E
	305 173 9816	TR 2SC3928A1R		305 173 9717	TR 2SA1235A1F
	305 173 9915	TR 2SC3928A1S		305 173 9618	TR 2SA1235A1E
Q2031	305 015 8727	TR 2SC2812-L6-TB	Q3071	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB		305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0		305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R		305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S		305 173 9915	TR 2SC3928A1S
Q2041	305 015 8727	TR 2SC2812-L6-TB	Q3072	305 147 2218	TR 2SA1037AK-S-T146
	305 015 8925	TR 2SC2812-L7-TB		405 220 3016	TR ISA1235AC1F
	305 163 1615	TR 2SC2812N-L6-TB0		305 134 5928	TR 2SA1037AK-T146-R
	305 173 9816	TR 2SC3928A1R		405 220 3115	TR ISA1235AC1E
	305 173 9915	TR 2SC3928A1S		305 173 9717	TR 2SA1235A1F
Q2516	305 200 9314	TR 2SK3492-TL-E		305 173 9618	TR 2SA1235A1E
Q2524	305 200 9314	TR 2SK3492-TL-E	Q3081	305 015 8727	TR 2SC2812-L6-TB
Q2851	305 015 8727	TR 2SC2812-L6-TB		305 015 8925	TR 2SC2812-L7-TB
	305 015 8925	TR 2SC2812-L7-TB		305 163 1615	TR 2SC2812N-L6-TB0
	305 163 1615	TR 2SC2812N-L6-TB0		305 173 9816	TR 2SC3928A1R
	305 173 9816	TR 2SC3928A1R		305 173 9915	TR 2SC3928A1S
	305 173 9915	TR 2SC3928A1S	Q3082	305 015 8727	TR 2SC2812-L6-TB
Q3001	305 015 8727	TR 2SC2812-L6-TB		305 015 8925	TR 2SC2812-L7-TB
	305 015 8925	TR 2SC2812-L7-TB		305 163 1615	TR 2SC2812N-L6-TB0
	305 163 1615	TR 2SC2812N-L6-TB0		305 173 9816	TR 2SC3928A1R
	305 173 9816	TR 2SC3928A1R		305 173 9915	TR 2SC3928A1S
	305 173 9915	TR 2SC3928A1S	Q3083	305 015 8727	TR 2SC2812-L6-TB
Q3011	305 015 8727	TR 2SC2812-L6-TB		305 015 8925	TR 2SC2812-L7-TB
	305 015 8925	TR 2SC2812-L7-TB		305 163 1615	TR 2SC2812N-L6-TB0
	305 163 1615	TR 2SC2812N-L6-TB0		305 173 9816	TR 2SC3928A1R
	305 173 9816	TR 2SC3928A1R		305 173 9915	TR 2SC3928A1S
	305 173 9915	TR 2SC3928A1S	Q3084	305 015 8727	TR 2SC2812-L6-TB
Q3021	305 015 8727	TR 2SC2812-L6-TB		305 015 8925	TR 2SC2812-L7-TB
	305 015 8925	TR 2SC2812-L7-TB		305 163 1615	TR 2SC2812N-L6-TB0
	305 163 1615	TR 2SC2812N-L6-TB0		305 173 9816	TR 2SC3928A1R
	305 173 9816	TR 2SC3928A1R		305 173 9915	TR 2SC3928A1S
	305 173 9915	TR 2SC3928A1S	Q3085	305 015 8727	TR 2SC2812-L6-TB
Q3031	305 015 8727	TR 2SC2812-L6-TB		305 015 8925	TR 2SC2812-L7-TB
	305 015 8925	TR 2SC2812-L7-TB		305 163 1615	TR 2SC2812N-L6-TB0
	305 163 1615	TR 2SC2812N-L6-TB0		305 173 9816	TR 2SC3928A1R
	305 173 9816	TR 2SC3928A1R		305 173 9915	TR 2SC3928A1S
	305 173 9915	TR 2SC3928A1S	Q3651	305 015 8727	TR 2SC2812-L6-TB
Q3032	305 015 8727	TR 2SC2812-L6-TB		305 015 8925	TR 2SC2812-L7-TB
	305 015 8925	TR 2SC2812-L7-TB		305 163 1615	TR 2SC2812N-L6-TB0
	305 163 1615	TR 2SC2812N-L6-TB0		305 173 9816	TR 2SC3928A1R
	305 173 9816	TR 2SC3928A1R		305 173 9915	TR 2SC3928A1S
	305 173 9915	TR 2SC3928A1S	Q3831	305 015 8727	TR 2SC2812-L6-TB
Q3033	305 015 8727	TR 2SC2812-L6-TB		305 015 8925	TR 2SC2812-L7-TB
	305 015 8925	TR 2SC2812-L7-TB		305 163 1615	TR 2SC2812N-L6-TB0
	305 163 1615	TR 2SC2812N-L6-TB0		305 173 9816	TR 2SC3928A1R
	305 173 9816	TR 2SC3928A1R		305 173 9915	TR 2SC3928A1S
	305 173 9915	TR 2SC3928A1S	Q4011	305 147 2218	TR 2SA1037AK-S-T146
				405 220 3016	TR ISA1235AC1F
				305 134 5928	TR 2SA1037AK-T146-R
				405 220 3115	TR ISA1235AC1E

Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description
Q4012	305 173 9717	TR 2SA1235A1F	Q5124	305 015 8727	TR 2SC2812-L6-TB
	305 173 9618	TR 2SA1235A1E		305 015 8925	TR 2SC2812-L7-TB
	305 015 8727	TR 2SC2812-L6-TB		305 163 1615	TR 2SC2812N-L6-TB0
	305 015 8925	TR 2SC2812-L7-TB		305 173 9816	TR 2SC3928A1R
	305 163 1615	TR 2SC2812N-L6-TB0		305 173 9915	TR 2SC3928A1S
	305 173 9816	TR 2SC3928A1R		305 015 8727	TR 2SC2812-L6-TB
Q4021	305 173 9915	TR 2SC3928A1S		305 015 8925	TR 2SC2812-L7-TB
	305 015 8727	TR 2SC2812-L6-TB		305 163 1615	TR 2SC2812N-L6-TB0
	305 015 8925	TR 2SC2812-L7-TB		305 173 9816	TR 2SC3928A1R
	305 163 1615	TR 2SC2812N-L6-TB0		305 173 9915	TR 2SC3928A1S
	305 173 9816	TR 2SC3928A1R		305 147 2218	TR 2SA1037AK-S-T146
	305 173 9915	TR 2SC3928A1S		405 220 3016	TR ISA1235AC1F
Q4051	305 015 8727	TR 2SC2812-L6-TB		305 134 5928	TR 2SA1037AK-T146-R
	305 015 8925	TR 2SC2812-L7-TB		405 220 3115	TR ISA1235AC1E
	305 163 1615	TR 2SC2812N-L6-TB0		305 173 9717	TR 2SA1235A1F
	305 173 9816	TR 2SC3928A1R		305 173 9618	TR 2SA1235A1E
	305 173 9915	TR 2SC3928A1S		305 015 8727	TR 2SC2812-L6-TB
	305 147 2218	TR 2SA1037AK-S-T146		305 015 8925	TR 2SC2812-L7-TB
Q4052	405 220 3016	TR ISA1235AC1F		305 163 1615	TR 2SC2812N-L6-TB0
	305 134 5928	TR 2SA1037AK-T146-R		305 173 9816	TR 2SC3928A1R
	405 220 3115	TR ISA1235AC1E		305 173 9915	TR 2SC3928A1S
	305 173 9717	TR 2SA1235A1F		305 015 8727	TR 2SC2812-L6-TB
	305 173 9618	TR 2SA1235A1E		305 015 8925	TR 2SC2812-L7-TB
	305 015 8727	TR 2SC2812-L6-TB		305 163 1615	TR 2SC2812N-L6-TB0
Q4053	305 015 8925	TR 2SC2812-L7-TB		305 173 9816	TR 2SC3928A1R
	305 163 1615	TR 2SC2812N-L6-TB0		305 173 9915	TR 2SC3928A1S
	305 173 9816	TR 2SC3928A1R		305 015 8727	TR 2SC2812-L6-TB
	305 173 9915	TR 2SC3928A1S		305 015 8925	TR 2SC2812-L7-TB
	305 015 8727	TR 2SC2812-L6-TB		305 163 1615	TR 2SC2812N-L6-TB0
	305 015 8925	TR 2SC2812-L7-TB		305 173 9816	TR 2SC3928A1R
Q4501	305 163 1615	TR 2SC2812N-L6-TB0		305 173 9915	TR 2SC3928A1S
	305 173 9816	TR 2SC3928A1R		305 015 8727	TR 2SC2812-L6-TB
	305 173 9915	TR 2SC3928A1S		305 015 8925	TR 2SC2812-L7-TB
	305 015 8727	TR 2SC2812-L6-TB		305 163 1615	TR 2SC2812N-L6-TB0
	305 015 8925	TR 2SC2812-L7-TB		305 173 9816	TR 2SC3928A1R
	305 163 1615	TR 2SC2812N-L6-TB0		305 173 9915	TR 2SC3928A1S
Q4701	305 173 9816	TR 2SC3928A1R		305 015 8727	TR 2SC2812-L6-TB
	305 173 9915	TR 2SC3928A1S		305 015 8925	TR 2SC2812-L7-TB
	305 147 2218	TR 2SA1037AK-S-T146		305 163 1615	TR 2SC2812N-L6-TB0
	405 220 3016	TR ISA1235AC1F		305 173 9816	TR 2SC3928A1R
	305 134 5928	TR 2SA1037AK-T146-R		305 173 9915	TR 2SC3928A1S
	405 220 3115	TR ISA1235AC1E		305 015 8727	TR 2SC2812-L6-TB
Q4702	305 173 9717	TR 2SA1235A1F		305 015 8925	TR 2SC2812-L7-TB
	305 173 9618	TR 2SA1235A1E		305 163 1615	TR 2SC2812N-L6-TB0
	305 191 5814	TR 3LN01C-TB-E		305 173 9816	TR 2SC3928A1R
	305 191 5814	TR 3LN01C-TB-E		305 173 9915	TR 2SC3928A1S
	305 015 8727	TR 2SC2812-L6-TB		305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB		305 015 8925	TR 2SC2812-L7-TB
Q5061	305 163 1615	TR 2SC2812N-L6-TB0		305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R		305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S		305 173 9915	TR 2SC3928A1S
	305 015 8727	TR 2SC2812-L6-TB		305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB		305 015 8925	TR 2SC2812-L7-TB
	305 191 5814	TR 3LN01C-TB-E		305 163 1615	TR 2SC2812N-L6-TB0
Q5091	305 191 5814	TR 3LN01C-TB-E		305 173 9816	TR 2SC3928A1R
	305 015 8727	TR 2SC2812-L6-TB		305 173 9915	TR 2SC3928A1S
	305 015 8925	TR 2SC2812-L7-TB		305 015 8727	TR 2SC2812-L6-TB
	305 163 1615	TR 2SC2812N-L6-TB0		305 015 8925	TR 2SC2812-L7-TB
	305 173 9816	TR 2SC3928A1R		305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9915	TR 2SC3928A1S		305 173 9816	TR 2SC3928A1R
Q5101	305 015 8727	TR 2SC2812-L6-TB		305 173 9915	TR 2SC3928A1S
	305 217 6917	TR TPC6107 TE85L		305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB		305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0		305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R		305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S		305 173 9915	TR 2SC3928A1S
Q5102	305 015 8727	TR 2SC2812-L6-TB		305 173 9915	TR 2SC3928A1S
	305 217 6917	TR TPC6107 TE85L		305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB		305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0		305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R		305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S		305 173 9915	TR 2SC3928A1S
Q5121	305 015 8727	TR 2SC2812-L6-TB		305 217 8515	TR RSQ025P03-TR
	305 015 8925	TR 2SC2812-L7-TB		305 217 8515	TR RSQ025P03-TR
	305 163 1615	TR 2SC2812N-L6-TB0		305 015 8727	TR 2SC2812-L6-TB
	305 173 9816	TR 2SC3928A1R		305 015 8925	TR 2SC2812-L7-TB
	305 173 9915	TR 2SC3928A1S		305 163 1615	TR 2SC2812N-L6-TB0
	305 015 8727	TR 2SC2812-L6-TB		305 173 9816	TR 2SC3928A1R
Q5122	305 015 8925	TR 2SC2812-L7-TB		305 173 9915	TR 2SC3928A1S
	305 163 1615	TR 2SC2812N-L6-TB0		305 015 8727	TR 2SC2812-L6-TB
	305 173 9816	TR 2SC3928A1R		305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9915	TR 2SC3928A1S		305 173 9816	TR 2SC3928A1R
	305 015 8727	TR 2SC2812-L6-TB		305 173 9915	TR 2SC3928A1S
	305 015 8925	TR 2SC2812-L7-TB		305 217 6917	TR TPC6107 TE85L
Q5661	305 163 1615	TR 2SC2812N-L6-TB0		305 015 8727	TR 2SC2812-L6-TB
	305 173 9816	TR 2SC3928A1R		305 173 9915	TR 2SC3928A1S
Q5662	305 173 9915	TR 2SC3928A1S		305 217 6917	TR TPC6107 TE85L
	305 015 8727	TR 2SC2812-L6-TB		305 015 8727	TR 2SC2812-L6-TB

Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description
	305 015 8925	TR 2SC2812-L7-TB			INTEGRATED CIRCUIT
	305 163 1615	TR 2SC2812N-L6-TB0	IC1401	410 719 5300	IC M29DW128G70NF6E-1317
	305 173 9816	TR 2SC3928A1R	IC1411	410 711 7104	IC CY62157EV30LL-45ZSXT
	305 173 9915	TR 2SC3928A1S		410 714 1604	IC IS62WV51216BLL-55TLI
Q6201	305 015 8727	TR 2SC2812-L6-TB	IC1421	410 645 8505	IC EDE5116AJBG-6E-E
	305 015 8925	TR 2SC2812-L7-TB	IC1451	410 659 6504	IC PQ1DX095MZPQ
	305 163 1615	TR 2SC2812N-L6-TB0	IC1491	309 487 5727	IC TC7SZ125FU
	305 173 9816	TR 2SC3928A1R	IC1492	410 677 2205	IC TC7PA05FU(TE85L,F)
	305 173 9915	TR 2SC3928A1S	IC2501	410 678 9708	IC 2506224-0004
Q6221	305 191 5814	TR 3LN01C-TB-E	IC2571	409 695 6817	IC UPC393GR-9LG-E1-A
Q6222	305 191 5814	TR 3LN01C-TB-E	IC3501	410 707 2502	IC 2506593-0005B
Q7801	305 217 5019	TR RN1117 TE85L	IC3811	410 630 1603	IC ICL3232ECV-16Z-T
Q7802	305 217 5019	TR RN1117 TE85L	IC3821	309 439 8919	IC TC7WH125FU
Q7811	305 015 8727	TR 2SC2812-L6-TB	IC3831	309 439 8919	IC TC7WH125FU
	305 015 8925	TR 2SC2812-L7-TB	IC4011	310 358 1506	IC TC74HC4053AFT(EL)
	305 163 1615	TR 2SC2812N-L6-TB0	IC4021	309 439 8919	IC TC7WH125FU
	305 173 9816	TR 2SC3928A1R	IC4051	309 400 7118	IC TC7W53FU-(TE12L)
	305 173 9915	TR 2SC3928A1S	IC4501	410 719 1005	IC LC87F2G08AUSSOP-1314
Q7821	305 015 8727	TR 2SC2812-L6-TB	IC4511	309 155 8019	IC TC7S04F-TE85L
	305 015 8925	TR 2SC2812-L7-TB	IC4721	309 404 7213	IC TC7SET00FU-(TE85L)
	305 163 1615	TR 2SC2812N-L6-TB0	IC491	310 616 3402	IC PST413A300NR
	305 173 9816	TR 2SC3928A1R	IC5081	310 479 4004	IC TC7WBD125AFK
	305 173 9915	TR 2SC3928A1S	IC5101	409 683 5716	IC NJW1156AV
Q7831	305 015 8727	TR 2SC2812-L6-TB	IC5151	309 487 5727	IC TC7SZ125FU
	305 015 8925	TR 2SC2812-L7-TB	IC5611	309 531 6229	IC FA7701V-A2-TE1
	305 163 1615	TR 2SC2812N-L6-TB0	IC5631	309 675 1316	IC FA7703V-H1
	305 173 9816	TR 2SC3928A1R	IC5851	309 395 5915	IC TC7SH00FU-(TE85L)
	305 173 9915	TR 2SC3928A1S	IC5852	309 585 9419	IC TC74VCX32FT
Q7841	305 015 8727	TR 2SC2812-L6-TB	IC6201	309 462 0327	IC 24LC21AT/SN
	305 015 8925	TR 2SC2812-L7-TB	IC6202	310 517 6809	IC TC74LVX4053FT
	305 163 1615	TR 2SC2812N-L6-TB0	IC7811	309 461 7822	IC PQ20WZ11
	305 173 9816	TR 2SC3928A1R	IC7821	309 461 7822	IC PQ20WZ11
	305 173 9915	TR 2SC3928A1S	IC7831	309 461 7822	IC PQ20WZ11
Q7851	305 015 8727	TR 2SC2812-L6-TB	IC7841	309 461 7822	IC PQ20WZ11
	305 015 8925	TR 2SC2812-L7-TB	IC7851	309 461 7822	IC PQ20WZ11
	305 163 1615	TR 2SC2812N-L6-TB0	IC7861	309 461 7822	IC PQ20WZ11
	305 173 9816	TR 2SC3928A1R	IC7881	309 458 3414	IC M62393FP
	305 173 9915	TR 2SC3928A1S	IC8001	409 698 5510	IC SII9127ACTU
Q7861	305 015 8727	TR 2SC2812-L6-TB	IC8071	309 545 5710	IC XC6202P502M
	305 015 8925	TR 2SC2812-L7-TB	IC8081	409 699 6615	IC BD7820FP
	305 163 1615	TR 2SC2812N-L6-TB0	IC8281	409 699 6615	IC BD7820FP
	305 173 9816	TR 2SC3928A1R	IC8301	410 711 8507	IC PIC18F67J60-I/PT-KG8AC
	305 173 9915	TR 2SC3928A1S	IC9711	309 487 5727	IC TC7SZ125FU
Q7871	305 191 5814	TR 3LN01C-TB-E	IC9801	309 487 5727	IC TC7SZ125FU
Q7872	305 191 5814	TR 3LN01C-TB-E			
Q7891	305 015 8727	TR 2SC2812-L6-TB			CAPACITOR
	305 015 8925	TR 2SC2812-L7-TB	C001	303 400 9110	ELECT 470U M 25V
	305 163 1615	TR 2SC2812N-L6-TB0	C002	303 396 9613	CERAMIC 1U K 25V
	305 173 9816	TR 2SC3928A1R		303 397 7618	CERAMIC 1U K 25V
	305 173 9915	TR 2SC3928A1S		403 478 5912	CERAMIC 1U K 25V
Q8091	305 015 8727	TR 2SC2812-L6-TB	C004	303 396 9613	CERAMIC 1U K 25V
	305 015 8925	TR 2SC2812-L7-TB		303 397 7618	CERAMIC 1U K 25V
	305 163 1615	TR 2SC2812N-L6-TB0		403 478 5912	CERAMIC 1U K 25V
	305 173 9816	TR 2SC3928A1R	C006	303 396 9613	CERAMIC 1U K 25V
	305 173 9915	TR 2SC3928A1S		303 397 7618	CERAMIC 1U K 25V
Q8291	305 015 8727	TR 2SC2812-L6-TB		403 478 5912	CERAMIC 1U K 25V
	305 015 8925	TR 2SC2812-L7-TB	C007	303 396 9613	CERAMIC 1U K 25V
	305 163 1615	TR 2SC2812N-L6-TB0		303 397 7618	CERAMIC 1U K 25V
	305 173 9816	TR 2SC3928A1R		403 478 5912	CERAMIC 1U K 25V
	305 173 9915	TR 2SC3928A1S	C008	303 396 9613	CERAMIC 1U K 25V
Q8371	305 015 8727	TR 2SC2812-L6-TB		303 397 7618	CERAMIC 1U K 25V
	305 163 1615	TR 2SC2812N-L6-TB0		403 478 5912	CERAMIC 1U K 25V
	305 173 9816	TR 2SC3928A1R	C009	303 396 9613	CERAMIC 1U K 25V
	305 173 9915	TR 2SC3928A1S		303 397 7618	CERAMIC 1U K 25V
Q8372	305 217 6917	TR TPC6107 TE85L		403 478 5912	CERAMIC 1U K 25V
	305 015 8727	TR 2SC2812-L6-TB	C011	303 396 9613	CERAMIC 1U K 25V
	305 015 8925	TR 2SC2812-L7-TB		303 397 7618	CERAMIC 1U K 25V
	305 163 1615	TR 2SC2812N-L6-TB0		403 478 5912	CERAMIC 1U K 25V
	305 173 9816	TR 2SC3928A1R		303 396 9613	CERAMIC 1U K 25V
	305 173 9915	TR 2SC3928A1S		303 397 7618	CERAMIC 1U K 25V

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
C012	403 478 5912	CERAMIC	1U K	25V	C1426	303 453 8917	CERAMIC	0.1U K	16V
	303 396 9613	CERAMIC	1U K	25V		303 438 0219	CERAMIC	0.1U K	16V
	303 397 7618	CERAMIC	1U K	25V		303 409 3426	CERAMIC	0.1U K	16V
	403 478 5912	CERAMIC	1U K	25V		303 453 8610	CERAMIC	0.1U K	16V
C013	303 403 1319	ELECT	22U M	25V	C1427	303 453 8917	CERAMIC	0.1U K	16V
C014	303 396 9613	CERAMIC	1U K	25V		303 438 0219	CERAMIC	0.1U K	16V
	303 397 7618	CERAMIC	1U K	25V		303 409 3426	CERAMIC	0.1U K	16V
	403 478 5912	CERAMIC	1U K	25V		303 453 8610	CERAMIC	0.1U K	16V
C016	303 396 9613	CERAMIC	1U K	25V	C1428	303 453 8917	CERAMIC	0.1U K	16V
	303 397 7618	CERAMIC	1U K	25V		303 438 0219	CERAMIC	0.1U K	16V
	403 478 5912	CERAMIC	1U K	25V		303 409 3426	CERAMIC	0.1U K	16V
C017	403 455 1012	CERAMIC	1U K	10V		303 453 8610	CERAMIC	0.1U K	16V
	303 433 1112	CERAMIC	1U K	10V		303 453 8917	CERAMIC	0.1U K	16V
C018	303 370 1510	CERAMIC	0.1U K	50V	C1429	303 438 0219	CERAMIC	0.1U K	16V
	304 091 2609	CERAMIC	0.1U K	50V		303 409 3426	CERAMIC	0.1U K	16V
	303 367 0410	CERAMIC	0.1U K	50V		303 453 8610	CERAMIC	0.1U K	16V
C019	303 281 2415	CERAMIC	0.22U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 364 5913	CERAMIC	0.22U K	16V	C1431	303 438 0219	CERAMIC	0.1U K	16V
C021	303 370 1510	CERAMIC	0.1U K	50V		303 409 3426	CERAMIC	0.1U K	16V
	304 091 2609	CERAMIC	0.1U K	50V		303 453 8610	CERAMIC	0.1U K	16V
	303 367 0410	CERAMIC	0.1U K	50V		303 453 8917	CERAMIC	0.1U K	16V
C022	303 370 1510	CERAMIC	0.1U K	50V	C1432	303 438 0219	CERAMIC	0.1U K	16V
	304 091 2609	CERAMIC	0.1U K	50V		303 409 3426	CERAMIC	0.1U K	16V
	303 367 0410	CERAMIC	0.1U K	50V		303 453 8610	CERAMIC	0.1U K	16V
C023	303 281 2415	CERAMIC	0.22U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 364 5913	CERAMIC	0.22U K	16V	C1433	303 438 0219	CERAMIC	0.1U K	16V
C024	303 370 1510	CERAMIC	0.1U K	50V		303 409 3426	CERAMIC	0.1U K	16V
	304 091 2609	CERAMIC	0.1U K	50V		303 453 8610	CERAMIC	0.1U K	16V
	303 367 0410	CERAMIC	0.1U K	50V		303 453 8917	CERAMIC	0.1U K	16V
C026	303 370 1510	CERAMIC	0.1U K	50V	C1434	303 438 0219	CERAMIC	0.1U K	16V
	304 091 2609	CERAMIC	0.1U K	50V		303 409 3426	CERAMIC	0.1U K	16V
	303 367 0410	CERAMIC	0.1U K	50V		303 453 8610	CERAMIC	0.1U K	16V
C027	303 370 1510	CERAMIC	0.1U K	50V		303 453 8917	CERAMIC	0.1U K	16V
	304 091 2609	CERAMIC	0.1U K	50V	C1436	303 438 0219	CERAMIC	0.1U K	16V
	303 367 0410	CERAMIC	0.1U K	50V		303 409 3426	CERAMIC	0.1U K	16V
C028	403 469 6317	CERAMIC	0.47U K	50V		303 453 8610	CERAMIC	0.1U K	16V
C1401	303 438 0219	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V	C1437	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
C1411	303 438 0219	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V	C1438	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
C1412	303 438 0219	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V	C1439	303 370 0018	CERAMIC	10U K	6.3V
	303 453 8610	CERAMIC	0.1U K	16V		303 368 7319	CERAMIC	10U K	6.3V
	303 453 8917	CERAMIC	0.1U K	16V		303 358 3215	CERAMIC	10U K	6.3V
C1416	303 438 0219	CERAMIC	0.1U K	16V	C1441	303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C1421	303 438 0219	CERAMIC	0.1U K	16V	C1442	303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C1422	303 438 0219	CERAMIC	0.1U K	16V	C1451	403 455 1012	CERAMIC	1U K	10V
	303 409 3426	CERAMIC	0.1U K	16V		303 433 1112	CERAMIC	1U K	10V
	303 453 8610	CERAMIC	0.1U K	16V	C1452	403 455 1012	CERAMIC	1U K	10V
	303 453 8917	CERAMIC	0.1U K	16V		303 433 1112	CERAMIC	1U K	10V
C1423	303 438 0219	CERAMIC	0.1U K	16V	C1453	303 370 0018	CERAMIC	10U K	6.3V
	303 409 3426	CERAMIC	0.1U K	16V		303 368 7319	CERAMIC	10U K	6.3V
	303 453 8610	CERAMIC	0.1U K	16V		303 358 3215	CERAMIC	10U K	6.3V
	303 453 8917	CERAMIC	0.1U K	16V	C1454	303 370 0018	CERAMIC	10U K	6.3V
C1424	303 438 0219	CERAMIC	0.1U K	16V		303 368 7319	CERAMIC	10U K	6.3V
	303 409 3426	CERAMIC	0.1U K	16V		303 358 3215	CERAMIC	10U K	6.3V
	303 453 8610	CERAMIC	0.1U K	16V	C1456	403 455 1012	CERAMIC	1U K	10V

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
C1461	303 433 1112	CERAMIC	1U K	10V	C1489	303 453 8917	CERAMIC	0.1U K	16V
	303 438 0219	CERAMIC	0.1U K	16V		303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C1462	303 438 0219	CERAMIC	0.1U K	16V	C1491	303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C1463	303 438 0219	CERAMIC	0.1U K	16V	C1492	303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C1464	303 438 0219	CERAMIC	0.1U K	16V	C2021	303 370 0018	CERAMIC	10U K	6.3V
	303 409 3426	CERAMIC	0.1U K	16V		303 368 7319	CERAMIC	10U K	6.3V
	303 453 8610	CERAMIC	0.1U K	16V		303 358 3215	CERAMIC	10U K	6.3V
	303 453 8917	CERAMIC	0.1U K	16V	C2022	303 438 0219	CERAMIC	0.1U K	16V
C1466	303 438 0219	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C1467	303 438 0219	CERAMIC	0.1U K	16V	C2031	303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V	C2032	303 438 0219	CERAMIC	0.1U K	16V
C1468	303 438 0219	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C1469	303 438 0219	CERAMIC	0.1U K	16V	C2041	303 370 0018	CERAMIC	10U K	6.3V
	303 409 3426	CERAMIC	0.1U K	16V		303 368 7319	CERAMIC	10U K	6.3V
	303 453 8610	CERAMIC	0.1U K	16V		303 358 3215	CERAMIC	10U K	6.3V
	303 453 8917	CERAMIC	0.1U K	16V	C2042	303 438 0219	CERAMIC	0.1U K	16V
C1471	303 438 0219	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V	C2501	403 455 1616	CERAMIC	10U K	16V
C1472	303 438 0219	CERAMIC	0.1U K	16V		403 478 5813	CERAMIC	10U K	16V
	303 409 3426	CERAMIC	0.1U K	16V	C2504	304 103 6304	CERAMIC	0.33U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 401 5715	CERAMIC	0.33U K	16V
	303 453 8917	CERAMIC	0.1U K	16V	C2506	304 103 6304	CERAMIC	0.33U K	16V
C1481	303 438 0219	CERAMIC	0.1U K	16V		303 401 5715	CERAMIC	0.33U K	16V
	303 409 3426	CERAMIC	0.1U K	16V	C2507	304 103 6304	CERAMIC	0.33U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 401 5715	CERAMIC	0.33U K	16V
	303 453 8917	CERAMIC	0.1U K	16V	C2508	304 103 6304	CERAMIC	0.33U K	16V
C1482	303 370 0018	CERAMIC	10U K	6.3V		303 401 5715	CERAMIC	0.33U K	16V
	303 368 7319	CERAMIC	10U K	6.3V	C2504	303 387 5310	ELECT	47U M	6.3V
	303 358 3215	CERAMIC	10U K	6.3V		303 392 1215	ELECT	47U M	6.3V
C1483	303 276 1317	CERAMIC	1000P K	50V	C2512	303 370 0018	CERAMIC	10U K	6.3V
	303 454 1214	CERAMIC	1000P K	50V		303 368 7319	CERAMIC	10U K	6.3V
	303 453 8511	CERAMIC	1000P K	50V	C2513	303 370 0018	CERAMIC	10U K	6.3V
C1484	303 370 0018	CERAMIC	10U K	6.3V		303 368 7319	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V		303 358 3215	CERAMIC	10U K	6.3V
	303 358 3215	CERAMIC	10U K	6.3V	C2516	303 387 5310	ELECT	47U M	6.3V
C1485	303 276 1317	CERAMIC	1000P K	50V		303 392 1215	ELECT	47U M	6.3V
	303 454 1214	CERAMIC	1000P K	50V	C2522	303 383 5215	CERAMIC	4.7U K	6.3V
	303 453 8511	CERAMIC	1000P K	50V		303 393 2112	CERAMIC	4.7U K	6.3V
C1486	303 370 0018	CERAMIC	10U K	6.3V	C2526	303 387 5310	ELECT	47U M	6.3V
	303 368 7319	CERAMIC	10U K	6.3V		303 392 1215	ELECT	47U M	6.3V
	303 358 3215	CERAMIC	10U K	6.3V	C2527	303 387 5310	ELECT	47U M	6.3V
C1487	303 438 0219	CERAMIC	0.1U K	16V		303 392 1215	ELECT	47U M	6.3V
	303 409 3426	CERAMIC	0.1U K	16V	C2531	303 443 9214	CERAMIC	22U M	6.3V
	303 453 8610	CERAMIC	0.1U K	16V		303 392 5015	CERAMIC	22U M	6.3V
	303 453 8917	CERAMIC	0.1U K	16V	C2532	403 455 9216	CERAMIC	22U M	6.3V
C1488	303 438 0219	CERAMIC	0.1U K	16V		303 276 1317	CERAMIC	1000P K	50V
	303 409 3426	CERAMIC	0.1U K	16V		303 454 1214	CERAMIC	1000P K	50V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8511	CERAMIC	1000P K	50V

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
C2533	303 276 1317	CERAMIC	1000P K	50V	C3052	303 453 8917	CERAMIC	0.1U K	16V
	303 454 1214	CERAMIC	1000P K	50V		303 438 0219	CERAMIC	0.1U K	16V
	303 453 8511	CERAMIC	1000P K	50V		303 409 3426	CERAMIC	0.1U K	16V
C2534	303 276 1317	CERAMIC	1000P K	50V	C3061	303 453 8610	CERAMIC	0.1U K	16V
	303 454 1214	CERAMIC	1000P K	50V		303 453 8917	CERAMIC	0.1U K	16V
	303 453 8511	CERAMIC	1000P K	50V		303 438 0219	CERAMIC	0.1U K	16V
C2536	303 281 2415	CERAMIC	0.22U K	16V	C3061	303 409 3426	CERAMIC	0.1U K	16V
	303 364 5913	CERAMIC	0.22U K	16V		303 453 8610	CERAMIC	0.1U K	16V
C2537	303 281 2415	CERAMIC	0.22U K	16V	C3062	303 453 8917	CERAMIC	0.1U K	16V
	303 364 5913	CERAMIC	0.22U K	16V		303 438 0219	CERAMIC	0.1U K	16V
C2539	303 438 0219	CERAMIC	0.1U K	16V	C3062	303 409 3426	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C2543	303 453 8917	CERAMIC	0.1U K	16V	C3071	303 438 0219	CERAMIC	0.1U K	16V
	303 438 0219	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
C2571	303 453 8610	CERAMIC	0.1U K	16V	C3072	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
C2572	303 453 8610	CERAMIC	0.1U K	16V	C3081	303 453 8917	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 438 0219	CERAMIC	0.1U K	16V
	303 438 0219	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
C2851	303 409 3426	CERAMIC	0.1U K	16V	C3501	303 453 8610	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 391 5511	ELECT	10U M	16V
C2852	303 453 8917	CERAMIC	0.1U K	16V	C3502	303 438 0219	CERAMIC	0.1U K	16V
	303 305 8812	CERAMIC	47P J	50V		303 409 3426	CERAMIC	0.1U K	16V
	303 454 1610	CERAMIC	47P J	50V		303 453 8610	CERAMIC	0.1U K	16V
C3001	303 453 7217	CERAMIC	47P J	50V	C3503	303 453 8917	CERAMIC	0.1U K	16V
	303 438 0219	CERAMIC	0.1U K	16V		303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
C3002	303 453 8610	CERAMIC	0.1U K	16V	C3504	303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 438 0219	CERAMIC	0.1U K	16V		403 455 1012	CERAMIC	1U K	10V
C3011	303 409 3426	CERAMIC	0.1U K	16V	C3505	303 433 1112	CERAMIC	1U K	10V
	303 453 8610	CERAMIC	0.1U K	16V		303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
C3012	303 438 0219	CERAMIC	0.1U K	16V	C3506	303 294 6110	CERAMIC	100P J	50V
	303 409 3426	CERAMIC	0.1U K	16V		303 454 0910	CERAMIC	100P J	50V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 6319	CERAMIC	100P J	50V
C3021	303 453 8917	CERAMIC	0.1U K	16V	C3507	303 294 6110	CERAMIC	100P J	50V
	303 438 0219	CERAMIC	0.1U K	16V		303 454 0910	CERAMIC	100P J	50V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 6319	CERAMIC	100P J	50V
C3022	303 453 8610	CERAMIC	0.1U K	16V	C3508	303 175 7212	ELECT	10U M	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 391 5511	ELECT	10U M	16V
	303 438 0219	CERAMIC	0.1U K	16V		303 438 0219	CERAMIC	0.1U K	16V
C3031	303 409 3426	CERAMIC	0.1U K	16V	C3511	303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C3041	303 438 0219	CERAMIC	0.1U K	16V	C3512	303 370 1510	CERAMIC	0.1U K	50V
	303 409 3426	CERAMIC	0.1U K	16V		304 091 2609	CERAMIC	0.1U K	50V
	303 453 8610	CERAMIC	0.1U K	16V		303 367 0410	CERAMIC	0.1U K	50V
C3051	303 453 8917	CERAMIC	0.1U K	16V	C3513	303 370 1510	CERAMIC	0.1U K	50V
	303 438 0219	CERAMIC	0.1U K	16V		304 091 2609	CERAMIC	0.1U K	50V
	303 409 3426	CERAMIC	0.1U K	16V		303 367 0410	CERAMIC	0.1U K	50V
C3051	303 453 8610	CERAMIC	0.1U K	16V	C3514	303 370 1510	CERAMIC	0.1U K	50V
	303 368 7319	CERAMIC	100 U	6.3V		304 091 2609	CERAMIC	0.1U K	50V
	303 358 3215	CERAMIC	100 U	6.3V		303 367 0410	CERAMIC	0.1U K	50V
C3051	303 438 0219	CERAMIC	0.1U K	16V	C3515	303 401 5616	ELECT	4.7U M	35V
	303 409 3426	CERAMIC	0.1U K	16V		303 438 0219	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V

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Key No.	Part No.	Description			Key No.	Part No.	Description		
C3517	303 370 1510	CERAMIC	0.1U K	50V		303 453 8610	CERAMIC	0.1U K	16V
	304 091 2609	CERAMIC	0.1U K	50V		303 453 8917	CERAMIC	0.1U K	16V
	303 367 0410	CERAMIC	0.1U K	50V	C4003	403 455 1012	CERAMIC	1U K	10V
C3518	303 437 4614	CERAMIC	10U K	25V		303 433 1112	CERAMIC	1U K	10V
	403 478 5714	CERAMIC	10U K	25V	C4004	303 438 0219	CERAMIC	0.1U K	16V
C3521	303 401 5616	ELECT	4.7U M	35V		303 409 3426	CERAMIC	0.1U K	16V
C3522	303 370 1510	CERAMIC	0.1U K	50V		303 453 8610	CERAMIC	0.1U K	16V
	304 091 2609	CERAMIC	0.1U K	50V		303 453 8917	CERAMIC	0.1U K	16V
	303 367 0410	CERAMIC	0.1U K	50V	C4006	303 438 0219	CERAMIC	0.1U K	16V
C3523	303 370 1510	CERAMIC	0.1U K	50V		303 409 3426	CERAMIC	0.1U K	16V
	304 091 2609	CERAMIC	0.1U K	50V		303 453 8610	CERAMIC	0.1U K	16V
	303 367 0410	CERAMIC	0.1U K	50V		303 453 8917	CERAMIC	0.1U K	16V
C3524	303 438 0219	CERAMIC	0.1U K	16V	C401	303 370 0018	CERAMIC	10U K	6.3V
	303 409 3426	CERAMIC	0.1U K	16V		303 368 7319	CERAMIC	10U K	6.3V
	303 453 8610	CERAMIC	0.1U K	16V		303 358 3215	CERAMIC	10U K	6.3V
	303 453 8917	CERAMIC	0.1U K	16V	C4011	303 438 0219	CERAMIC	0.1U K	16V
C3525	303 370 1510	CERAMIC	0.1U K	50V		303 409 3426	CERAMIC	0.1U K	16V
	304 091 2609	CERAMIC	0.1U K	50V		303 453 8610	CERAMIC	0.1U K	16V
	303 367 0410	CERAMIC	0.1U K	50V		303 453 8917	CERAMIC	0.1U K	16V
C3531	303 438 0219	CERAMIC	0.1U K	16V	C4012	303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C3532	303 438 0219	CERAMIC	0.1U K	16V	C4013	303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C3533	303 438 0219	CERAMIC	0.1U K	16V	C402	303 370 0018	CERAMIC	10U K	6.3V
	303 409 3426	CERAMIC	0.1U K	16V		303 368 7319	CERAMIC	10U K	6.3V
	303 453 8610	CERAMIC	0.1U K	16V		303 358 3215	CERAMIC	10U K	6.3V
	303 453 8917	CERAMIC	0.1U K	16V	C403	303 370 0018	CERAMIC	10U K	6.3V
C3534	303 438 0219	CERAMIC	0.1U K	16V		303 368 7319	CERAMIC	10U K	6.3V
	303 409 3426	CERAMIC	0.1U K	16V		303 358 3215	CERAMIC	10U K	6.3V
	303 453 8610	CERAMIC	0.1U K	16V	C4031	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
C3651	303 438 0219	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V	C404	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
C3811	303 438 0219	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V	C405	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
C3812	303 438 0219	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V	C4051	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
C3813	303 438 0219	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V	C4052	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
C3814	303 438 0219	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V	C4053	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
C3816	403 455 1012	CERAMIC	1U K	10V		303 453 8610	CERAMIC	0.1U K	16V
	303 433 1112	CERAMIC	1U K	10V		303 453 8917	CERAMIC	0.1U K	16V
C3821	403 455 1012	CERAMIC	1U K	10V	C406	303 438 0219	CERAMIC	0.1U K	16V
	303 433 1112	CERAMIC	1U K	10V		303 409 3426	CERAMIC	0.1U K	16V
C3831	403 455 1012	CERAMIC	1U K	10V		303 453 8610	CERAMIC	0.1U K	16V
	303 433 1112	CERAMIC	1U K	10V		303 453 8917	CERAMIC	0.1U K	16V
C3832	403 455 1012	CERAMIC	1U K	10V	C407	303 438 0219	CERAMIC	0.1U K	16V
	303 433 1112	CERAMIC	1U K	10V		303 409 3426	CERAMIC	0.1U K	16V
C4001	403 455 1012	CERAMIC	1U K	10V		303 453 8610	CERAMIC	0.1U K	16V
	303 433 1112	CERAMIC	1U K	10V		303 453 8917	CERAMIC	0.1U K	16V
C4002	303 438 0219	CERAMIC	0.1U K	16V	C408	303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V

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Key No.	Part No.	Description			Key No.	Part No.	Description		
C4503	303 438 0219	CERAMIC	0.1U K	16V	C4721	303 409 3426	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 438 0219	CERAMIC	0.1U K	16V
C4504	303 276 3113	CERAMIC	33P J	50V	C473	303 409 3426	CERAMIC	0.1U K	16V
	303 453 7019	CERAMIC	33P J	50V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 9617	CERAMIC	33P J	50V		303 453 8917	CERAMIC	0.1U K	16V
C4506	303 438 0219	CERAMIC	0.1U K	16V	C474	303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C4508	303 442 0410	CERAMIC	0.022U K	25V	C475	303 438 0219	CERAMIC	0.1U K	16V
	303 453 9716	CERAMIC	0.022U K	25V		303 409 3426	CERAMIC	0.1U K	16V
C451	303 370 0018	CERAMIC	10U K	6.3V	C476	303 453 8610	CERAMIC	0.1U K	16V
	303 368 7319	CERAMIC	10U K	6.3V		303 453 8917	CERAMIC	0.1U K	16V
C452	303 358 3215	CERAMIC	10U K	6.3V	C477	303 438 0219	CERAMIC	0.1U K	16V
	303 370 0018	CERAMIC	10U K	6.3V		303 409 3426	CERAMIC	0.1U K	16V
	303 368 7319	CERAMIC	10U K	6.3V		303 453 8610	CERAMIC	0.1U K	16V
	303 358 3215	CERAMIC	10U K	6.3V		303 453 8917	CERAMIC	0.1U K	16V
C453	303 438 0219	CERAMIC	0.1U K	16V	C478	303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C454	303 438 0219	CERAMIC	0.1U K	16V	C479	303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C456	303 438 0219	CERAMIC	0.1U K	16V	C481	303 305 8515	CERAMIC	15P J	50V
	303 409 3426	CERAMIC	0.1U K	16V		403 455 5218	CERAMIC	15P J	50V
	303 453 8610	CERAMIC	0.1U K	16V		403 455 5713	CERAMIC	15P J	50V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C457	303 438 0219	CERAMIC	0.1U K	16V	C482	303 279 6210	CERAMIC	10P J	50V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8214	CERAMIC	10P J	50V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 9013	CERAMIC	10P J	50V
	303 453 8917	CERAMIC	0.1U K	16V		303 369 0527	CERAMIC	0.01U K	25V
C458	303 438 0219	CERAMIC	0.1U K	16V	C483	303 453 9815	CERAMIC	0.01U K	25V
	303 409 3426	CERAMIC	0.1U K	16V		303 369 0527	CERAMIC	0.01U K	25V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 9815	CERAMIC	0.01U K	25V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 9815	CERAMIC	0.01U K	25V
C459	303 438 0219	CERAMIC	0.1U K	16V	C491	303 369 0527	CERAMIC	0.01U K	25V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 9815	CERAMIC	0.01U K	25V
	303 453 8610	CERAMIC	0.1U K	16V		303 276 1317	CERAMIC	1000P K	50V
	303 453 8917	CERAMIC	0.1U K	16V		303 454 1214	CERAMIC	1000P K	50V
C461	303 438 0219	CERAMIC	0.1U K	16V	C492	303 453 8511	CERAMIC	1000P K	50V
	303 409 3426	CERAMIC	0.1U K	16V		303 438 0219	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
C462	303 438 0219	CERAMIC	0.1U K	16V	C5061	303 453 8917	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C463	303 438 0219	CERAMIC	0.1U K	16V	C5081	303 453 8917	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C464	303 438 0219	CERAMIC	0.1U K	16V	C5101	303 453 8917	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 396 9613	CERAMIC	1U K	25V
C4701	303 438 0219	CERAMIC	0.1U K	16V	C5102	303 397 7618	CERAMIC	1U K	25V
	303 409 3426	CERAMIC	0.1U K	16V		403 478 5912	CERAMIC	1U K	25V
	303 453 8610	CERAMIC	0.1U K	16V		303 396 9613	CERAMIC	1U K	25V
	303 453 8917	CERAMIC	0.1U K	16V		303 397 7618	CERAMIC	1U K	25V
C471	303 370 0018	CERAMIC	10U K	6.3V	C5103	403 478 5912	CERAMIC	1U K	25V
	303 368 7319	CERAMIC	10U K	6.3V		303 396 9613	CERAMIC	1U K	25V
C472	303 358 3215	CERAMIC	10U K	6.3V	C5103	303 397 7618	CERAMIC	1U K	25V
	303 438 0219	CERAMIC	0.1U K	16V		403 478 5912	CERAMIC	1U K	25V

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
C5104	303 396 9613	CERAMIC	1U K	25V		303 367 0410	CERAMIC	0.1U K	50V
	303 397 7618	CERAMIC	1U K	25V	C5614	303 370 1510	CERAMIC	0.1U K	50V
	403 478 5912	CERAMIC	1U K	25V		304 091 2609	CERAMIC	0.1U K	50V
C5106	303 396 9613	CERAMIC	1U K	25V		303 367 0410	CERAMIC	0.1U K	50V
	303 397 7618	CERAMIC	1U K	25V	C5615	303 396 9613	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V		303 397 7618	CERAMIC	1U K	25V
C5107	303 396 9613	CERAMIC	1U K	25V		403 478 5912	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V	C5616	303 421 8710	ELECT	47U M	16V
	403 478 5912	CERAMIC	1U K	25V		303 387 6515	ELECT	47U M	16V
C5108	303 396 9613	CERAMIC	1U K	25V		303 398 4111	ELECT	47U M	16V
	303 397 7618	CERAMIC	1U K	25V	C5617	303 438 0219	CERAMIC	0.1U K	16V
	403 478 5912	CERAMIC	1U K	25V		303 409 3426	CERAMIC	0.1U K	16V
C5109	303 396 9613	CERAMIC	1U K	25V		303 453 8610	CERAMIC	0.1U K	16V
	303 397 7618	CERAMIC	1U K	25V		303 453 8917	CERAMIC	0.1U K	16V
	403 478 5912	CERAMIC	1U K	25V	C5618	303 387 7314	ELECT	47U M	25V
C5111	303 441 5515	CERAMIC	4.7U K	16V		303 398 5415	ELECT	47U M	25V
	303 394 5815	CERAMIC	4.7U K	16V	C5624	303 438 0219	CERAMIC	0.1U K	16V
C5112	303 441 5515	CERAMIC	4.7U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 394 5815	CERAMIC	4.7U K	16V		303 453 8610	CERAMIC	0.1U K	16V
C5113	303 441 5515	CERAMIC	4.7U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 394 5815	CERAMIC	4.7U K	16V	C5631	303 336 3510	CERAMIC	0.47U K	16V
C5114	303 396 9613	CERAMIC	1U K	25V	C5632	303 396 9613	CERAMIC	1U K	25V
	303 397 7618	CERAMIC	1U K	25V		303 397 7618	CERAMIC	1U K	25V
	403 478 5912	CERAMIC	1U K	25V		403 478 5912	CERAMIC	1U K	25V
C5116	403 455 1616	CERAMIC	100 U	16V	C5633	303 370 1510	CERAMIC	0.1U K	50V
	403 478 5813	CERAMIC	100 U	16V		304 091 2609	CERAMIC	0.1U K	50V
C5117	303 438 0219	CERAMIC	0.1U K	16V		303 367 0410	CERAMIC	0.1U K	50V
	303 409 3426	CERAMIC	0.1U K	16V	C5634	303 370 1510	CERAMIC	0.1U K	50V
	303 453 8610	CERAMIC	0.1U K	16V		304 091 2609	CERAMIC	0.1U K	50V
	303 453 8917	CERAMIC	0.1U K	16V		303 367 0410	CERAMIC	0.1U K	50V
C5118	403 455 1616	CERAMIC	100 U	16V	C5636	303 370 1510	CERAMIC	0.1U K	50V
	403 478 5813	CERAMIC	100 U	16V		304 091 2609	CERAMIC	0.1U K	50V
C5119	403 455 1012	CERAMIC	1U K	10V		303 367 0410	CERAMIC	0.1U K	50V
	303 433 1112	CERAMIC	1U K	10V	C5641	303 421 8710	ELECT	47U M	16V
C5121	403 455 1616	CERAMIC	100 U	16V		303 387 6515	ELECT	47U M	16V
	403 478 5813	CERAMIC	100 U	16V		303 398 4111	ELECT	47U M	16V
C5122	403 455 1616	CERAMIC	100 U	16V	C5642	303 438 0219	CERAMIC	0.1U K	16V
	403 478 5813	CERAMIC	100 U	16V		303 409 3426	CERAMIC	0.1U K	16V
C5141	303 396 9613	CERAMIC	1U K	25V		303 453 8610	CERAMIC	0.1U K	16V
	303 397 7618	CERAMIC	1U K	25V		303 453 8917	CERAMIC	0.1U K	16V
	403 478 5912	CERAMIC	1U K	25V	C5643	403 455 1616	CERAMIC	10U K	16V
C5151	303 369 0527	CERAMIC	0.01U K	25V		403 478 5813	CERAMIC	10U K	16V
	303 453 9815	CERAMIC	0.01U K	25V	C5644	303 438 0219	CERAMIC	0.1U K	16V
C5152	303 369 0527	CERAMIC	0.01U K	25V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 9815	CERAMIC	0.01U K	25V		303 453 8610	CERAMIC	0.1U K	16V
C5153	303 438 0219	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V	C5645	403 455 1616	CERAMIC	10U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		403 478 5813	CERAMIC	10U K	16V
	303 453 8917	CERAMIC	0.1U K	16V	C5651	303 387 7314	ELECT	47U M	25V
C5601	303 437 4614	CERAMIC	100 U	25V		303 398 5415	ELECT	47U M	25V
	403 478 5714	CERAMIC	100 U	25V	C5652	403 455 1012	CERAMIC	1U K	10V
C5602	303 437 4614	CERAMIC	100 U	25V		303 433 1112	CERAMIC	1U K	10V
	403 478 5714	CERAMIC	100 U	25V	C5661	303 387 7314	ELECT	47U M	25V
C5603	403 455 1012	CERAMIC	1U K	10V		303 398 5415	ELECT	47U M	25V
	303 433 1112	CERAMIC	1U K	10V	C5811	403 455 1012	CERAMIC	1U K	10V
C5604	403 455 1012	CERAMIC	1U K	10V		303 433 1112	CERAMIC	1U K	10V
	303 433 1112	CERAMIC	1U K	10V	C5812	403 455 1012	CERAMIC	1U K	10V
C5606	303 387 7314	ELECT	47U M	25V		303 433 1112	CERAMIC	1U K	10V
	303 398 5415	ELECT	47U M	25V	C5813	403 455 1012	CERAMIC	1U K	10V
C5611	303 396 9613	CERAMIC	1U K	25V		303 433 1112	CERAMIC	1U K	10V
	303 397 7618	CERAMIC	1U K	25V	C5814	403 455 1012	CERAMIC	1U K	10V
	403 478 5912	CERAMIC	1U K	25V		303 433 1112	CERAMIC	1U K	10V
C5612	303 396 9613	CERAMIC	1U K	25V	C5815	403 455 1012	CERAMIC	1U K	10V
	303 397 7618	CERAMIC	1U K	25V		303 433 1112	CERAMIC	1U K	10V
	403 478 5912	CERAMIC	1U K	25V	C5816	403 455 1012	CERAMIC	1U K	10V
C5613	303 370 1510	CERAMIC	0.1U K	50V		303 433 1112	CERAMIC	1U K	10V
	304 091 2609	CERAMIC	0.1U K	50V	C5817	403 455 1012	CERAMIC	1U K	10V

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
C5818	303 433 1112	CERAMIC	1U K	10V	C7806	403 455 1616	CERAMIC	10U K	16V
	403 455 1012	CERAMIC	1U K	10V		403 478 5813	CERAMIC	10U K	16V
C5819	303 433 1112	CERAMIC	1U K	10V	C7811	303 438 0219	CERAMIC	0.1U K	16V
	403 455 1012	CERAMIC	1U K	10V		303 409 3426	CERAMIC	0.1U K	16V
C5821	303 433 1112	CERAMIC	1U K	10V		303 453 8610	CERAMIC	0.1U K	16V
	303 438 0219	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V	C7813	303 370 1510	CERAMIC	0.1U K	50V
	303 453 8610	CERAMIC	0.1U K	16V		304 091 2609	CERAMIC	0.1U K	50V
	303 453 8917	CERAMIC	0.1U K	16V		303 367 0410	CERAMIC	0.1U K	50V
C5822	303 438 0219	CERAMIC	0.1U K	16V	C7814	303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C5823	303 438 0219	CERAMIC	0.1U K	16V	C7816	303 421 8710	ELECT	47U M	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 387 6515	ELECT	47U M	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 398 4111	ELECT	47U M	16V
	303 453 8917	CERAMIC	0.1U K	16V	C7817	303 438 0219	CERAMIC	0.1U K	16V
C5824	303 438 0219	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V	C7818	303 438 0219	CERAMIC	0.1U K	16V
C5825	303 438 0219	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V	C7821	303 438 0219	CERAMIC	0.1U K	16V
C5826	303 438 0219	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V	C7823	303 370 1510	CERAMIC	0.1U K	50V
C5827	303 438 0219	CERAMIC	0.1U K	16V		304 091 2609	CERAMIC	0.1U K	50V
	303 409 3426	CERAMIC	0.1U K	16V		303 367 0410	CERAMIC	0.1U K	50V
	303 453 8610	CERAMIC	0.1U K	16V	C7824	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
C5828	303 438 0219	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V	C7826	303 421 8710	ELECT	47U M	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 387 6515	ELECT	47U M	16V
C5829	303 438 0219	CERAMIC	0.1U K	16V		303 398 4111	ELECT	47U M	16V
	303 409 3426	CERAMIC	0.1U K	16V	C7828	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
C5851	303 438 0219	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V	C7831	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
C5852	303 438 0219	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V	C7833	303 370 1510	CERAMIC	0.1U K	50V
	303 453 8610	CERAMIC	0.1U K	16V		304 091 2609	CERAMIC	0.1U K	50V
	303 453 8917	CERAMIC	0.1U K	16V		303 367 0410	CERAMIC	0.1U K	50V
C6201	303 438 0219	CERAMIC	0.1U K	16V	C7834	303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C6202	303 438 0219	CERAMIC	0.1U K	16V	C7836	303 421 8710	ELECT	47U M	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 387 6515	ELECT	47U M	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 398 4111	ELECT	47U M	16V
	303 453 8917	CERAMIC	0.1U K	16V	C7838	303 438 0219	CERAMIC	0.1U K	16V
C7801	403 455 1616	CERAMIC	10U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	403 478 5813	CERAMIC	10U K	16V		303 453 8610	CERAMIC	0.1U K	16V
C7802	403 455 1616	CERAMIC	10U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	403 478 5813	CERAMIC	10U K	16V	C7841	303 438 0219	CERAMIC	0.1U K	16V
C7803	403 455 1616	CERAMIC	10U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	403 478 5813	CERAMIC	10U K	16V		303 453 8610	CERAMIC	0.1U K	16V
C7804	403 455 1616	CERAMIC	10U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	403 478 5813	CERAMIC	10U K	16V	C7843	303 370 1510	CERAMIC	0.1U K	50V
C7805	403 455 1616	CERAMIC	10U K	16V		304 091 2609	CERAMIC	0.1U K	50V
	403 478 5813	CERAMIC	10U K	16V		303 367 0410	CERAMIC	0.1U K	50V

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Key No.	Part No.	Description			Key No.	Part No.	Description		
C7844	303 438 0219	CERAMIC	0.1U K	16V	C7891	303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C7846	303 421 8710	ELECT	47U M	16V	C7892	303 438 0219	CERAMIC	0.1U K	16V
	303 387 6515	ELECT	47U M	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 398 4111	ELECT	47U M	16V		303 453 8610	CERAMIC	0.1U K	16V
C7848	303 438 0219	CERAMIC	0.1U K	16V	C8001	303 453 8917	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 370 0018	CERAMIC	10U K	6.3V
	303 453 8610	CERAMIC	0.1U K	16V		303 368 7319	CERAMIC	10U K	6.3V
	303 453 8917	CERAMIC	0.1U K	16V		303 358 3215	CERAMIC	10U K	6.3V
C7851	303 438 0219	CERAMIC	0.1U K	16V	C8002	303 438 0219	CERAMIC	10U K	6.3V
	303 409 3426	CERAMIC	0.1U K	16V		303 370 0018	CERAMIC	10U K	6.3V
	303 453 8610	CERAMIC	0.1U K	16V		303 368 7319	CERAMIC	10U K	6.3V
C7853	303 453 8917	CERAMIC	0.1U K	16V	C8003	303 358 3215	CERAMIC	10U K	6.3V
	303 370 1510	CERAMIC	0.1U K	50V		303 438 0219	CERAMIC	0.1U K	16V
	304 091 2609	CERAMIC	0.1U K	50V		303 409 3426	CERAMIC	0.1U K	16V
	303 367 0410	CERAMIC	0.1U K	50V		303 453 8610	CERAMIC	0.1U K	16V
C7854	303 438 0219	CERAMIC	0.1U K	16V	C8004	303 453 8917	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 438 0219	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
C7856	303 453 8917	CERAMIC	0.1U K	16V	C8006	303 453 8917	CERAMIC	0.1U K	16V
	303 421 8710	ELECT	47U M	16V		303 279 6210	CERAMIC	10P J	50V
	303 387 6515	ELECT	47U M	16V		303 453 8214	CERAMIC	10P J	50V
C7858	303 398 4111	ELECT	47U M	16V	C8007	303 453 9013	CERAMIC	10P J	50V
	303 438 0219	CERAMIC	0.1U K	16V		303 279 6210	CERAMIC	10P J	50V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8214	CERAMIC	10P J	50V
C7861	303 453 8610	CERAMIC	0.1U K	16V	C8008	303 453 9013	CERAMIC	10P J	50V
	303 453 8917	CERAMIC	0.1U K	16V		303 438 0219	CERAMIC	0.1U K	16V
	303 438 0219	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
C7863	303 409 3426	CERAMIC	0.1U K	16V	C8009	303 453 8610	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 438 0219	CERAMIC	0.1U K	16V
C7864	303 370 1510	CERAMIC	0.1U K	50V	C8011	303 409 3426	CERAMIC	0.1U K	16V
	304 091 2609	CERAMIC	0.1U K	50V		303 453 8610	CERAMIC	0.1U K	16V
	303 367 0410	CERAMIC	0.1U K	50V		303 453 8917	CERAMIC	0.1U K	16V
C7866	303 438 0219	CERAMIC	0.1U K	16V	C8013	303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
C7868	303 453 8917	CERAMIC	0.1U K	16V	C8014	303 453 8917	CERAMIC	0.1U K	16V
	303 438 0219	CERAMIC	0.1U K	16V		303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
C7881	303 453 8610	CERAMIC	0.1U K	16V	C8016	303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 438 0219	CERAMIC	0.1U K	16V		303 438 0219	CERAMIC	0.1U K	16V
C7883	303 409 3426	CERAMIC	0.1U K	16V	C8017	303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C7884	303 438 0219	CERAMIC	0.1U K	16V	C8018	303 409 3426	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C7886	303 438 0219	CERAMIC	0.1U K	16V	C8019	303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 370 0018	CERAMIC	10U K	6.3V
	303 453 8610	CERAMIC	0.1U K	16V		303 368 7319	CERAMIC	10U K	6.3V
C7887	303 453 8917	CERAMIC	0.1U K	16V	C8022	303 358 3215	CERAMIC	10U K	6.3V
	303 438 0219	CERAMIC	0.1U K	16V		303 368 7319	CERAMIC	10U K	6.3V
	303 409 3426	CERAMIC	0.1U K	16V		303 438 0219	CERAMIC	0.1U K	16V
C7887	303 453 8610	CERAMIC	0.1U K	16V	C8023	303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 438 0219	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
C8024	303 453 8610	CERAMIC	0.1U K	16V	C8084	303 433 1112	CERAMIC	1U K	10V
	303 453 8917	CERAMIC	0.1U K	16V		303 370 0018	CERAMIC	10U K	6.3V
	303 438 0219	CERAMIC	0.1U K	16V		303 368 7319	CERAMIC	10U K	6.3V
	303 409 3426	CERAMIC	0.1U K	16V		303 358 3215	CERAMIC	10U K	6.3V
	303 453 8610	CERAMIC	0.1U K	16V		303 370 0018	CERAMIC	10U K	6.3V
	303 453 8917	CERAMIC	0.1U K	16V		303 368 7319	CERAMIC	10U K	6.3V
C8026	303 438 0219	CERAMIC	0.1U K	16V	C8152	303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C8027	303 370 0018	CERAMIC	10U K	6.3V	C8153	303 370 0018	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V		303 368 7319	CERAMIC	10U K	6.3V
	303 358 3215	CERAMIC	10U K	6.3V		303 358 3215	CERAMIC	10U K	6.3V
C8028	303 438 0219	CERAMIC	0.1U K	16V	C8201	303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C8029	303 438 0219	CERAMIC	0.1U K	16V	C8202	303 369 0527	CERAMIC	0.01U K	25V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 9815	CERAMIC	0.01U K	25V
	303 453 8610	CERAMIC	0.1U K	16V		303 438 0219	CERAMIC	0.1U K	16V
C8031	303 453 8917	CERAMIC	0.1U K	16V	C8203	303 409 3426	CERAMIC	0.1U K	16V
	303 438 0219	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 369 0527	CERAMIC	0.01U K	25V
C8032	303 453 8917	CERAMIC	0.1U K	16V	C8204	303 453 9815	CERAMIC	0.01U K	25V
	303 438 0219	CERAMIC	0.1U K	16V		303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
C8033	303 453 8610	CERAMIC	0.1U K	16V	C8207	303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 438 0219	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C8034	303 409 3426	CERAMIC	0.1U K	16V	C8208	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
C8036	303 453 8917	CERAMIC	0.1U K	16V	C8209	303 369 0527	CERAMIC	0.01U K	25V
	303 438 0219	CERAMIC	0.1U K	16V		303 453 9815	CERAMIC	0.01U K	25V
	303 409 3426	CERAMIC	0.1U K	16V		303 438 0219	CERAMIC	0.1U K	16V
C8037	303 453 8610	CERAMIC	0.1U K	16V	C8211	303 409 3426	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 438 0219	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C8038	303 409 3426	CERAMIC	0.1U K	16V	C8212	303 453 8610	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 438 0219	CERAMIC	0.1U K	16V
C8039	303 438 0219	CERAMIC	0.1U K	16V	C8213	303 409 3426	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C8041	303 453 8917	CERAMIC	0.1U K	16V	C8214	303 438 0219	CERAMIC	0.1U K	16V
	303 370 0018	CERAMIC	10U K	6.3V		303 409 3426	CERAMIC	0.1U K	16V
	303 368 7319	CERAMIC	10U K	6.3V		303 453 8610	CERAMIC	0.1U K	16V
C8071	303 358 3215	CERAMIC	10U K	6.3V	C8216	303 453 8917	CERAMIC	0.1U K	16V
	303 438 0219	CERAMIC	0.1U K	16V		303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
C8072	303 453 8610	CERAMIC	0.1U K	16V	C8217	303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	403 455 1012	CERAMIC	1U K	10V		303 379 7315	CERAMIC	4700P K	50V
C8081	303 433 1112	CERAMIC	1U K	10V	C8218	303 454 1917	CERAMIC	4700P K	50V
	403 455 1012	CERAMIC	1U K	10V		303 438 0219	CERAMIC	0.1U K	16V
C8082	303 433 1112	CERAMIC	1U K	10V	C8221	303 409 3426	CERAMIC	0.1U K	16V
	303 370 0018	CERAMIC	10U K	6.3V		303 453 8610	CERAMIC	0.1U K	16V
C8083	303 368 7319	CERAMIC	10U K	6.3V	C8221	303 453 8917	CERAMIC	0.1U K	16V
	303 358 3215	CERAMIC	10U K	6.3V		303 438 0219	CERAMIC	0.1U K	16V
C8083	403 455 1012	CERAMIC	1U K	10V		303 438 0219	CERAMIC	0.1U K	16V

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
C8222	303 409 3426	CERAMIC	0.1U K	16V	C8247	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 370 0018	CERAMIC	100 U	6.3V		303 453 8917	CERAMIC	0.1U K	16V
	303 368 7319	CERAMIC	100 U	6.3V	C8248	303 370 0018	CERAMIC	100 U	6.3V
C8223	303 358 3215	CERAMIC	100 U	6.3V		303 368 7319	CERAMIC	100 U	6.3V
	303 438 0219	CERAMIC	0.1U K	16V		303 358 3215	CERAMIC	100 U	6.3V
	303 409 3426	CERAMIC	0.1U K	16V	C8249	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
C8224	303 276 1317	CERAMIC	1000P K	50V		303 453 8917	CERAMIC	0.1U K	16V
	303 454 1214	CERAMIC	1000P K	50V	C8251	303 276 1317	CERAMIC	1000P K	50V
	303 453 8511	CERAMIC	1000P K	50V		303 453 8511	CERAMIC	1000P K	50V
C8226	303 276 1317	CERAMIC	1000P K	50V	C8252	303 438 0219	CERAMIC	0.1U K	16V
	303 454 1214	CERAMIC	1000P K	50V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8511	CERAMIC	1000P K	50V		303 453 8610	CERAMIC	0.1U K	16V
C8227	303 438 0219	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V	C8253	303 276 1317	CERAMIC	1000P K	50V
	303 453 8610	CERAMIC	0.1U K	16V		303 454 1214	CERAMIC	1000P K	50V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8511	CERAMIC	1000P K	50V
C8228	303 276 1317	CERAMIC	1000P K	50V	C8254	303 370 0018	CERAMIC	100 U	6.3V
	303 454 1214	CERAMIC	1000P K	50V		303 368 7319	CERAMIC	100 U	6.3V
	303 453 8511	CERAMIC	1000P K	50V		303 358 3215	CERAMIC	100 U	6.3V
C8229	303 276 1317	CERAMIC	1000P K	50V	C8256	303 438 0219	CERAMIC	0.1U K	16V
	303 454 1214	CERAMIC	1000P K	50V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8511	CERAMIC	1000P K	50V		303 453 8610	CERAMIC	0.1U K	16V
C8231	303 438 0219	CERAMIC	0.1U K	16V	C8257	303 276 1317	CERAMIC	1000P K	50V
	303 409 3426	CERAMIC	0.1U K	16V		303 454 1214	CERAMIC	1000P K	50V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8511	CERAMIC	1000P K	50V
	303 453 8917	CERAMIC	0.1U K	16V	C8258	303 276 1317	CERAMIC	1000P K	50V
C8232	303 370 0018	CERAMIC	100 U	6.3V		303 454 1214	CERAMIC	1000P K	50V
	303 368 7319	CERAMIC	100 U	6.3V		303 453 8511	CERAMIC	1000P K	50V
	303 358 3215	CERAMIC	100 U	6.3V	C8259	303 438 0219	CERAMIC	0.1U K	16V
C8233	303 438 0219	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V	C8261	303 276 1317	CERAMIC	1000P K	50V
C8234	303 276 1317	CERAMIC	1000P K	50V		303 454 1214	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V		303 453 8511	CERAMIC	1000P K	50V
	303 453 8511	CERAMIC	1000P K	50V	C8262	303 276 1317	CERAMIC	1000P K	50V
C8236	303 276 1317	CERAMIC	1000P K	50V		303 454 1214	CERAMIC	1000P K	50V
	303 454 1214	CERAMIC	1000P K	50V		303 453 8511	CERAMIC	1000P K	50V
	303 453 8511	CERAMIC	1000P K	50V	C8263	303 438 0219	CERAMIC	0.1U K	16V
C8237	303 276 1317	CERAMIC	1000P K	50V		303 409 3426	CERAMIC	0.1U K	16V
	303 454 1214	CERAMIC	1000P K	50V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8511	CERAMIC	1000P K	50V	C8264	303 370 0018	CERAMIC	100 U	6.3V
C8238	303 438 0219	CERAMIC	0.1U K	16V		303 368 7319	CERAMIC	100 U	6.3V
	303 409 3426	CERAMIC	0.1U K	16V		303 358 3215	CERAMIC	100 U	6.3V
	303 453 8610	CERAMIC	0.1U K	16V	C8281	403 455 1012	CERAMIC	1U K	10V
	303 453 8917	CERAMIC	0.1U K	16V		303 433 1112	CERAMIC	1U K	10V
C8239	303 276 1317	CERAMIC	1000P K	50V	C8282	303 370 0018	CERAMIC	100 U	6.3V
	303 454 1214	CERAMIC	1000P K	50V		303 368 7319	CERAMIC	100 U	6.3V
	303 453 8511	CERAMIC	1000P K	50V		303 358 3215	CERAMIC	100 U	6.3V
C8241	303 387 5310	ELECT	47U M	6.3V	C8283	303 438 0219	CERAMIC	0.1U K	16V
	303 392 1215	ELECT	47U M	6.3V		303 409 3426	CERAMIC	0.1U K	16V
C8242	303 369 0527	CERAMIC	0.01U K	25V		303 453 8917	CERAMIC	0.1U K	16V
	303 453 9815	CERAMIC	0.01U K	25V	C8301	303 370 0018	CERAMIC	100 U	6.3V
C8243	303 438 0219	CERAMIC	0.1U K	16V		303 368 7319	CERAMIC	100 U	6.3V
	303 409 3426	CERAMIC	0.1U K	16V		303 358 3215	CERAMIC	100 U	6.3V
	303 453 8610	CERAMIC	0.1U K	16V	C8302	303 438 0219	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
C8244	303 276 1317	CERAMIC	1000P K	50V		303 453 8610	CERAMIC	0.1U K	16V
	303 454 1214	CERAMIC	1000P K	50V		303 453 8917	CERAMIC	0.1U K	16V
	303 453 8511	CERAMIC	1000P K	50V	C8303	303 438 0219	CERAMIC	0.1U K	16V
C8246	303 276 1317	CERAMIC	1000P K	50V		303 409 3426	CERAMIC	0.1U K	16V
	303 454 1214	CERAMIC	1000P K	50V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8511	CERAMIC	1000P K	50V		303 453 8917	CERAMIC	0.1U K	16V

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
C8304	303 453 8917	CERAMIC	0.1U K	16V	C8841	303 453 8917	CERAMIC	0.1U K	16V
	303 438 0219	CERAMIC	0.1U K	16V		303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C8306	303 438 0219	CERAMIC	0.1U K	16V	C8851	303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C8307	303 438 0219	CERAMIC	0.1U K	16V	C9711	303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C8308	303 438 0219	CERAMIC	0.1U K	16V	C9801	303 438 0219	CERAMIC	0.1U K	16V
	303 409 3426	CERAMIC	0.1U K	16V		303 409 3426	CERAMIC	0.1U K	16V
	303 453 8610	CERAMIC	0.1U K	16V		303 453 8610	CERAMIC	0.1U K	16V
	303 453 8917	CERAMIC	0.1U K	16V		303 453 8917	CERAMIC	0.1U K	16V
C8309	303 438 0219	CERAMIC	0.1U K	16V	RESISTOR				
	303 409 3426	CERAMIC	0.1U K	16V	R001	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
	303 453 8610	CERAMIC	0.1U K	16V	R002	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
	303 453 8917	CERAMIC	0.1U K	16V	R003	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
C8311	303 438 0219	CERAMIC	0.1U K	16V	R004	301 294 3016	MT-GLAZE	10K FA	1/16W
	303 409 3426	CERAMIC	0.1U K	16V	R008	301 224 9019	MT-GLAZE	10K JA	1/16W
	303 453 8610	CERAMIC	0.1U K	16V	R1001	401 333 0525	MT-GLAZE	1.2 JA	1/16W
	303 453 8917	CERAMIC	0.1U K	16V	R1002	401 333 0525	MT-GLAZE	1.2 JA	1/16W
C8312	303 276 3113	CERAMIC	33P J	50V	R1003	401 333 0525	MT-GLAZE	1.2 JA	1/16W
	303 453 7019	CERAMIC	33P J	50V	R1004	401 333 0525	MT-GLAZE	1.2 JA	1/16W
	303 453 9617	CERAMIC	33P J	50V	R1006	401 333 0525	MT-GLAZE	1.2 JA	1/16W
	303 453 7019	CERAMIC	33P J	50V	R1007	401 333 0525	MT-GLAZE	1.2 JA	1/16W
C8313	303 276 3113	CERAMIC	33P J	50V	R1008	401 333 0525	MT-GLAZE	1.2 JA	1/16W
	303 453 9617	CERAMIC	33P J	50V	R1009	401 333 0525	MT-GLAZE	1.2 JA	1/16W
	303 438 0219	CERAMIC	0.1U K	16V	R1013	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
	303 409 3426	CERAMIC	0.1U K	16V	R1016	301 225 1418	MT-GLAZE	47K JA	1/16W
C8314	303 453 8610	CERAMIC	0.1U K	16V	R1017	301 225 1418	MT-GLAZE	47K JA	1/16W
	303 453 8917	CERAMIC	0.1U K	16V	R1401	301 224 9019	MT-GLAZE	10K JA	1/16W
	303 438 0219	CERAMIC	0.1U K	16V	R1402	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
	303 409 3426	CERAMIC	0.1U K	16V	R1403	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
C8316	303 453 8610	CERAMIC	0.1U K	16V	R1404	301 224 9019	MT-GLAZE	10K JA	1/16W
	303 453 8917	CERAMIC	0.1U K	16V	R1405	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
	303 438 0219	CERAMIC	0.1U K	16V	R1407	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
	303 409 3426	CERAMIC	0.1U K	16V	R1408	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
C8317	303 453 8610	CERAMIC	0.1U K	16V	R1409	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
	303 453 8917	CERAMIC	0.1U K	16V	R1411	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
	303 438 0219	CERAMIC	0.1U K	16V	R1412	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
	303 409 3426	CERAMIC	0.1U K	16V	R1413	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
C8318	303 453 8610	CERAMIC	0.1U K	16V	R1418	301 225 8110	MT-GLAZE	10 JA	1/16W
	303 453 8917	CERAMIC	0.1U K	16V	R1419	301 225 8110	MT-GLAZE	10 JA	1/16W
	303 438 0219	CERAMIC	0.1U K	16V	R1421	301 225 1913	MT-GLAZE	68 JA	1/16W
	303 409 3426	CERAMIC	0.1U K	16V	R1422	301 225 1913	MT-GLAZE	68 JA	1/16W
C8341	303 453 8917	CERAMIC	0.1U K	16V	R1423	301 225 1913	MT-GLAZE	68 JA	1/16W
	303 438 0219	CERAMIC	0.1U K	16V	R1424	301 225 1913	MT-GLAZE	68 JA	1/16W
	303 409 3426	CERAMIC	0.1U K	16V	R1426	301 225 1913	MT-GLAZE	68 JA	1/16W
	303 453 8610	CERAMIC	0.1U K	16V	R1427	301 225 1913	MT-GLAZE	68 JA	1/16W
C8342	303 453 8917	CERAMIC	0.1U K	16V	R1428	301 225 1913	MT-GLAZE	68 JA	1/16W
	303 438 0219	CERAMIC	0.1U K	16V	R1429	301 225 1913	MT-GLAZE	68 JA	1/16W
	303 409 3426	CERAMIC	0.1U K	16V	R1431	301 225 1913	MT-GLAZE	68 JA	1/16W
	303 453 8610	CERAMIC	0.1U K	16V	R1432	301 225 1913	MT-GLAZE	68 JA	1/16W
C8361	303 453 8917	CERAMIC	0.1U K	16V	R1433	301 225 1913	MT-GLAZE	68 JA	1/16W
	303 438 0219	CERAMIC	0.1U K	16V	R1434	301 225 1913	MT-GLAZE	68 JA	1/16W
	303 409 3426	CERAMIC	0.1U K	16V	R1436	301 225 1913	MT-GLAZE	68 JA	1/16W
	303 453 8610	CERAMIC	0.1U K	16V	R1437	301 225 1913	MT-GLAZE	68 JA	1/16W
C8371	303 453 8917	CERAMIC	0.1U K	16V	R1438	301 225 1913	MT-GLAZE	68 JA	1/16W
	303 370 0018	CERAMIC	10U K	6.3V	R1439	301 225 1913	MT-GLAZE	68 JA	1/16W
	303 368 7319	CERAMIC	10U K	6.3V	R1441	301 225 1913	MT-GLAZE	68 JA	1/16W
	303 358 3215	CERAMIC	10U K	6.3V	R1442	301 225 1913	MT-GLAZE	68 JA	1/16W
C8372	403 455 1012	CERAMIC	1U K	10V	R1443	301 225 1913	MT-GLAZE	68 JA	1/16W
	303 433 1112	CERAMIC	1U K	10V	R1444	301 225 1913	MT-GLAZE	68 JA	1/16W
C8821	303 438 0219	CERAMIC	0.1U K	16V	R1445	301 225 1913	MT-GLAZE	68 JA	1/16W
	303 409 3426	CERAMIC	0.1U K	16V	R1446	301 225 1913	MT-GLAZE	68 JA	1/16W
	303 453 8610	CERAMIC	0.1U K	16V	R1447	301 225 1913	MT-GLAZE	68 JA	1/16W

Electrical Parts List

Key No.	Part No.	Description		Key No.	Part No.	Description	
R1444	301 225 1913	MT-GLAZE	68 JA 1/16W	R2834	301 225 1210	MT-GLAZE	4.7K JA 1/16W
R1446	301 225 1913	MT-GLAZE	68 JA 1/16W	R2836	301 225 1210	MT-GLAZE	4.7K JA 1/16W
R1451	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R2837	301 225 1210	MT-GLAZE	4.7K JA 1/16W
R1452	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R2838	301 225 1210	MT-GLAZE	4.7K JA 1/16W
R1476	301 224 8814	MT-GLAZE	100 JA 1/16W	R2839	301 225 1210	MT-GLAZE	4.7K JA 1/16W
R1477	301 224 8814	MT-GLAZE	100 JA 1/16W	R2851	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R1481	301 224 9019	MT-GLAZE	10K JA 1/16W	R2852	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R1482	301 224 8913	MT-GLAZE	100K JA 1/16W	R2853	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R1483	301 224 9316	MT-GLAZE	1K JA 1/16W	R2854	301 224 9316	MT-GLAZE	1K JA 1/16W
R1491	301 224 9019	MT-GLAZE	10K JA 1/16W	R2856	301 224 9019	MT-GLAZE	10K JA 1/16W
R1492	301 224 9019	MT-GLAZE	10K JA 1/16W	R2857	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R1493	301 224 9019	MT-GLAZE	10K JA 1/16W	R2858	301 224 9019	MT-GLAZE	10K JA 1/16W
R1494	301 224 9019	MT-GLAZE	10K JA 1/16W	R2859	301 225 8110	MT-GLAZE	10 JA 1/16W
R1495	301 224 9019	MT-GLAZE	10K JA 1/16W	R2861	301 224 8814	MT-GLAZE	100 JA 1/16W
R1496	301 224 9019	MT-GLAZE	10K JA 1/16W	R3001	301 265 4912	MT-GLAZE	75 FA 1/10W
R1498	301 224 9019	MT-GLAZE	10K JA 1/16W	R3004	301 225 1814	MT-GLAZE	47 JA 1/16W
R1499	301 224 9316	MT-GLAZE	1K JA 1/16W	R3006	301 225 3818	MT-GLAZE	1.5K JA 1/16W
R2021	301 225 8110	MT-GLAZE	10 JA 1/16W	R3007	301 225 8110	MT-GLAZE	10 JA 1/16W
R2022	301 225 1418	MT-GLAZE	47K JA 1/16W	R3011	301 265 4912	MT-GLAZE	75 FA 1/10W
R2023	301 225 0718	MT-GLAZE	56K JA 1/16W	R3014	301 225 1814	MT-GLAZE	47 JA 1/16W
R2024	301 225 1319	MT-GLAZE	470 JA 1/16W	R3016	301 225 3818	MT-GLAZE	1.5K JA 1/16W
R2026	301 224 9316	MT-GLAZE	1K JA 1/16W	R3017	301 225 8110	MT-GLAZE	10 JA 1/16W
R2027	301 224 8814	MT-GLAZE	100 JA 1/16W	R3021	301 265 4912	MT-GLAZE	75 FA 1/10W
R2031	301 225 8110	MT-GLAZE	10 JA 1/16W	R3024	301 225 1814	MT-GLAZE	47 JA 1/16W
R2032	301 225 1418	MT-GLAZE	47K JA 1/16W	R3026	301 225 3818	MT-GLAZE	1.5K JA 1/16W
R2033	301 225 0718	MT-GLAZE	56K JA 1/16W	R3027	301 225 8110	MT-GLAZE	10 JA 1/16W
R2034	301 225 1319	MT-GLAZE	470 JA 1/16W	R3031	301 225 1418	MT-GLAZE	47K JA 1/16W
R2036	301 224 9316	MT-GLAZE	1K JA 1/16W	R3032	301 225 1418	MT-GLAZE	47K JA 1/16W
R2037	301 224 8814	MT-GLAZE	100 JA 1/16W	R3033	301 224 9316	MT-GLAZE	1K JA 1/16W
R2041	301 225 8110	MT-GLAZE	10 JA 1/16W	R3034	301 294 2811	MT-GLAZE	2.2K FA 1/16W
R2042	301 225 1418	MT-GLAZE	47K JA 1/16W	R3036	301 224 9019	MT-GLAZE	10K JA 1/16W
R2043	301 225 0718	MT-GLAZE	56K JA 1/16W	R3037	301 224 9019	MT-GLAZE	10K JA 1/16W
R2044	301 225 1319	MT-GLAZE	470 JA 1/16W	R3038	301 224 9019	MT-GLAZE	10K JA 1/16W
R2046	301 224 9316	MT-GLAZE	1K JA 1/16W	R3041	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R2047	301 224 8814	MT-GLAZE	100 JA 1/16W	R3042	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R2049	301 224 8814	MT-GLAZE	100 JA 1/16W	R3051	301 265 4912	MT-GLAZE	75 FA 1/10W
R2517	301 304 3616	MT-GLAZE	1K DA 1/16W	R3054	301 225 1814	MT-GLAZE	47 JA 1/16W
R2518	401 345 6215	MT-GLAZE	2K DA 1/16W	R3056	301 225 3818	MT-GLAZE	1.5K JA 1/16W
R2519	301 290 1511	MT-GLAZE	0.1 JE 1/2W	R3057	301 225 8110	MT-GLAZE	10 JA 1/16W
R2522	401 345 6215	MT-GLAZE	2K DA 1/16W	R3058	301 224 9316	MT-GLAZE	1K JA 1/16W
R2523	301 338 6713	MT-GLAZE	1.6K FA 1/16W	R3059	301 302 5414	MT-GLAZE	220 FA 1/16W
R2525	401 345 6215	MT-GLAZE	2K DA 1/16W	R3061	301 265 4912	MT-GLAZE	75 FA 1/10W
R2526	301 338 6713	MT-GLAZE	1.6K FA 1/16W	R3064	301 225 1814	MT-GLAZE	47 JA 1/16W
R2528	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R3066	301 225 3818	MT-GLAZE	1.5K JA 1/16W
R2529	301 294 3016	MT-GLAZE	10K FA 1/16W	R3067	301 225 8110	MT-GLAZE	10 JA 1/16W
R2533	301 294 2712	MT-GLAZE	150 FA 1/16W	R3068	301 224 9316	MT-GLAZE	1K JA 1/16W
R2536	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R3069	301 302 5414	MT-GLAZE	220 FA 1/16W
R2537	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R3071	301 265 4912	MT-GLAZE	75 FA 1/10W
R2538	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R3074	301 225 1814	MT-GLAZE	47 JA 1/16W
R2539	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R3076	301 225 3818	MT-GLAZE	1.5K JA 1/16W
R2553	301 294 2712	MT-GLAZE	150 FA 1/16W	R3077	301 225 8110	MT-GLAZE	10 JA 1/16W
R2554	301 294 2712	MT-GLAZE	150 FA 1/16W	R3078	301 224 9316	MT-GLAZE	1K JA 1/16W
R2556	301 264 0311	MT-GLAZE	1 JA 1/10W	R3079	301 302 5414	MT-GLAZE	220 FA 1/16W
R2557	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R3081	301 225 1418	MT-GLAZE	47K JA 1/16W
R2558	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R3082	301 225 1418	MT-GLAZE	47K JA 1/16W
R2559	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R3083	301 294 2811	MT-GLAZE	2.2K FA 1/16W
R2561	301 264 0311	MT-GLAZE	1 JA 1/10W	R3084	301 224 9316	MT-GLAZE	1K JA 1/16W
R2562	301 150 6014	MT-GLAZE	0.000 ZA 1/10W	R3086	301 224 9316	MT-GLAZE	1K JA 1/16W
R2571	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R3087	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R2572	301 224 8913	MT-GLAZE	100K JA 1/16W	R3088	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R2573	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R3091	301 225 1210	MT-GLAZE	4.7K JA 1/16W
R2574	301 224 9019	MT-GLAZE	10K JA 1/16W	R3092	301 225 1210	MT-GLAZE	4.7K JA 1/16W
R2576	301 224 9019	MT-GLAZE	10K JA 1/16W	R3093	301 224 9019	MT-GLAZE	10K JA 1/16W
R2578	301 225 9018	MT-GLAZE	470K JA 1/16W	R3094	301 225 1418	MT-GLAZE	47K JA 1/16W
R2831	301 225 1210	MT-GLAZE	4.7K JA 1/16W	R3511	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R2832	301 225 1210	MT-GLAZE	4.7K JA 1/16W	R3512	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R2833	301 225 1210	MT-GLAZE	4.7K JA 1/16W	R3513	301 226 1516	MT-GLAZE	0.000 ZA 1/16W

Electrical Parts List

Key No.	Part No.	Description		Key No.	Part No.	Description	
R3514	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R423	301 225 0312	MT-GLAZE	33 JA 1/16W
R3516	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R424	301 225 0312	MT-GLAZE	33 JA 1/16W
R3517	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R426	301 224 9316	MT-GLAZE	1K JA 1/16W
R3518	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R427	301 224 9316	MT-GLAZE	1K JA 1/16W
R3519	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R431	301 225 1210	MT-GLAZE	4.7K JA 1/16W
R3521	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R432	301 225 0312	MT-GLAZE	33 JA 1/16W
R3522	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R433	301 225 1210	MT-GLAZE	4.7K JA 1/16W
R3523	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R434	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R3651	301 225 1418	MT-GLAZE	47K JA 1/16W	R436	301 224 9316	MT-GLAZE	1K JA 1/16W
R3652	301 259 7823	MT-GLAZE	20K JA 1/16W	R437	301 225 0213	MT-GLAZE	3.3K JA 1/16W
R3653	301 224 9019	MT-GLAZE	10K JA 1/16W	R438	301 225 0213	MT-GLAZE	3.3K JA 1/16W
R3654	301 224 9019	MT-GLAZE	10K JA 1/16W	R439	301 225 0213	MT-GLAZE	3.3K JA 1/16W
R3811	301 225 8110	MT-GLAZE	10 JA 1/16W	R441	301 225 0312	MT-GLAZE	33 JA 1/16W
R3812	301 225 8110	MT-GLAZE	10 JA 1/16W	R442	301 225 0312	MT-GLAZE	33 JA 1/16W
R3821	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R443	301 225 0312	MT-GLAZE	33 JA 1/16W
R3822	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R444	301 224 9316	MT-GLAZE	1K JA 1/16W
R3823	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R445	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R3824	301 224 9019	MT-GLAZE	10K JA 1/16W	R446	301 294 2811	MT-GLAZE	2.2K FA 1/16W
R3826	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R447	301 294 2811	MT-GLAZE	2.2K FA 1/16W
R3827	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R448	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R3831	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R449	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R3832	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4501	301 224 8913	MT-GLAZE	100K JA 1/16W
R3833	301 224 9019	MT-GLAZE	10K JA 1/16W	R4503	301 225 3818	MT-GLAZE	1.5K JA 1/16W
R3834	301 224 9019	MT-GLAZE	10K JA 1/16W	R4504	301 225 8011	MT-GLAZE	330 JA 1/16W
R3836	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R4505	301 225 1418	MT-GLAZE	47K JA 1/16W
R4001	301 224 8814	MT-GLAZE	100 JA 1/16W	R4506	301 224 9514	MT-GLAZE	2.2K JA 1/16W
R4002	301 224 8814	MT-GLAZE	100 JA 1/16W	R4507	301 225 8110	MT-GLAZE	10 JA 1/16W
R4003	301 224 8814	MT-GLAZE	100 JA 1/16W	R4508	301 224 9019	MT-GLAZE	10K JA 1/16W
R4004	301 263 7420	MT-GLAZE	75 JA 1/16W	R4509	301 225 8110	MT-GLAZE	10 JA 1/16W
R4006	301 263 7420	MT-GLAZE	75 JA 1/16W	R451	301 294 2811	MT-GLAZE	2.2K FA 1/16W
R4007	301 263 7420	MT-GLAZE	75 JA 1/16W	R4511	301 224 9019	MT-GLAZE	10K JA 1/16W
R401	301 224 9415	MT-GLAZE	1M JA 1/16W	R4512	301 225 8110	MT-GLAZE	10 JA 1/16W
R4011	301 224 9316	MT-GLAZE	1K JA 1/16W	R4513	301 224 9019	MT-GLAZE	10K JA 1/16W
R4012	301 224 9316	MT-GLAZE	1K JA 1/16W	R4514	301 225 8110	MT-GLAZE	10 JA 1/16W
R4013	301 294 2811	MT-GLAZE	2.2K FA 1/16W	R4516	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R4014	301 224 9019	MT-GLAZE	10K JA 1/16W	R4517	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R4016	301 294 2811	MT-GLAZE	2.2K FA 1/16W	R452	301 294 2811	MT-GLAZE	2.2K FA 1/16W
R4017	301 225 1418	MT-GLAZE	47K JA 1/16W	R4521	301 225 8110	MT-GLAZE	10 JA 1/16W
R402	301 225 3818	MT-GLAZE	1.5K JA 1/16W	R4522	301 224 8814	MT-GLAZE	100 JA 1/16W
R4021	301 224 8814	MT-GLAZE	100 JA 1/16W	R4523	301 224 8814	MT-GLAZE	100 JA 1/16W
R4022	301 224 8814	MT-GLAZE	100 JA 1/16W	R4527	301 224 9019	MT-GLAZE	10K JA 1/16W
R4023	301 224 9019	MT-GLAZE	10K JA 1/16W	R4528	301 224 9712	MT-GLAZE	22 JA 1/16W
R4024	301 225 1418	MT-GLAZE	47K JA 1/16W	R4529	301 224 9019	MT-GLAZE	10K JA 1/16W
R403	301 264 4616	MT-GLAZE	180 FA 1/10W	R453	301 225 1913	MT-GLAZE	68 JA 1/16W
R404	301 264 4616	MT-GLAZE	180 FA 1/10W	R4531	301 224 9712	MT-GLAZE	22 JA 1/16W
R4051	301 225 1814	MT-GLAZE	47 JA 1/16W	R4532	301 224 9019	MT-GLAZE	10K JA 1/16W
R4052	301 225 1210	MT-GLAZE	4.7K JA 1/16W	R4533	301 224 9712	MT-GLAZE	22 JA 1/16W
R4053	301 225 1210	MT-GLAZE	4.7K JA 1/16W	R4534	301 224 9019	MT-GLAZE	10K JA 1/16W
R4054	301 225 1210	MT-GLAZE	4.7K JA 1/16W	R454	301 225 1913	MT-GLAZE	68 JA 1/16W
R4055	301 225 1319	MT-GLAZE	470 JA 1/16W	R4541	301 255 7312	MT-GLAZE	510K JA 1/10W
R4056	301 224 9019	MT-GLAZE	10K JA 1/16W	R4542	301 224 9019	MT-GLAZE	10K JA 1/16W
R4057	301 225 8011	MT-GLAZE	330 JA 1/16W	R4543	301 224 9019	MT-GLAZE	10K JA 1/16W
R4058	301 224 9019	MT-GLAZE	10K JA 1/16W	R4544	301 224 8913	MT-GLAZE	100K JA 1/16W
R4059	301 225 1210	MT-GLAZE	4.7K JA 1/16W	R455	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R406	301 224 9316	MT-GLAZE	1K JA 1/16W	R456	301 294 2811	MT-GLAZE	2.2K FA 1/16W
R407	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R457	301 294 2811	MT-GLAZE	2.2K FA 1/16W
R408	301 225 0312	MT-GLAZE	33 JA 1/16W	R458	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R411	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R459	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R412	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R461	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R413	301 225 0312	MT-GLAZE	33 JA 1/16W	R465	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R414	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R466	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R416	301 225 0312	MT-GLAZE	33 JA 1/16W	R467	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R417	301 225 0312	MT-GLAZE	33 JA 1/16W	R468	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R418	301 225 0312	MT-GLAZE	33 JA 1/16W	R469	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R419	301 225 0312	MT-GLAZE	33 JA 1/16W	R4701	301 225 1210	MT-GLAZE	4.7K JA 1/16W
R421	301 225 0312	MT-GLAZE	33 JA 1/16W	R4702	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R422	301 225 0312	MT-GLAZE	33 JA 1/16W	R4703	301 225 0213	MT-GLAZE	3.3K JA 1/16W

Electrical Parts List

Key No.	Part No.	Description		Key No.	Part No.	Description	
R4707	301 224 8814	MT-GLAZE	100 JA 1/16W	R5154	301 224 9019	MT-GLAZE	10K JA 1/16W
R4708	301 224 8814	MT-GLAZE	100 JA 1/16W	R5157	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R4709	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5158	301 224 9316	MT-GLAZE	1K JA 1/16W
R471	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5601	301 225 8110	MT-GLAZE	10 JA 1/16W
R4713	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5602	301 224 9019	MT-GLAZE	10K JA 1/16W
R4714	301 294 2811	MT-GLAZE	2.2K FA 1/16W	R5603	301 225 8110	MT-GLAZE	10 JA 1/16W
R4716	301 224 9514	MT-GLAZE	2.2K JA 1/16W	R5604	301 224 9019	MT-GLAZE	10K JA 1/16W
R4718	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5611	301 224 9415	MT-GLAZE	1M JA 1/16W
R4719	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R5612	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R472	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5613	301 224 9019	MT-GLAZE	10K JA 1/16W
R4721	301 225 8110	MT-GLAZE	10 JA 1/16W	R5614	301 259 7823	MT-GLAZE	20K JA 1/16W
R4723	301 225 8110	MT-GLAZE	10 JA 1/16W	R5616	301 304 3616	MT-GLAZE	1K DA 1/16W
R4724	301 224 8814	MT-GLAZE	100 JA 1/16W	R5617	301 299 4810	MT-GLAZE	2.7K FA 1/16W
R475	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5621	301 224 8913	MT-GLAZE	100K JA 1/16W
R477	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5622	301 224 8913	MT-GLAZE	100K JA 1/16W
R478	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5623	301 224 8913	MT-GLAZE	100K JA 1/16W
R479	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5624	301 224 9415	MT-GLAZE	1M JA 1/16W
R493	301 225 8110	MT-GLAZE	10 JA 1/16W	R5630	301 224 9514	MT-GLAZE	2.2K JA 1/16W
R494	301 225 8110	MT-GLAZE	10 JA 1/16W	R5631	301 224 9019	MT-GLAZE	10K JA 1/16W
R496	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5632	301 224 9415	MT-GLAZE	1M JA 1/16W
R497	301 226 1516	MT-GLAZE	0.000 ZA 1/16W	R5633	301 259 7823	MT-GLAZE	20K JA 1/16W
R498	301 224 9019	MT-GLAZE	10K JA 1/16W	R5634	301 224 9019	MT-GLAZE	10K JA 1/16W
R5051	301 224 8814	MT-GLAZE	100 JA 1/16W	R5635	301 224 9019	MT-GLAZE	10K JA 1/16W
R5052	301 224 8814	MT-GLAZE	100 JA 1/16W	R5636	301 224 9019	MT-GLAZE	10K JA 1/16W
R5053	301 224 8814	MT-GLAZE	100 JA 1/16W	R5637	401 345 6215	MT-GLAZE	2K DA 1/16W
R5054	301 224 8814	MT-GLAZE	100 JA 1/16W	R5638	301 287 2227	MT-GLAZE	22K FA 1/16W
R5056	301 224 8814	MT-GLAZE	100 JA 1/16W	R5639	301 259 7823	MT-GLAZE	20K JA 1/16W
R5057	301 224 8814	MT-GLAZE	100 JA 1/16W	R5641	401 345 6215	MT-GLAZE	2K DA 1/16W
R5058	301 224 8814	MT-GLAZE	100 JA 1/16W	R5642	301 287 2227	MT-GLAZE	22K FA 1/16W
R5059	301 224 8814	MT-GLAZE	100 JA 1/16W	R5643	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R5061	301 224 8913	MT-GLAZE	100K JA 1/16W	R5644	301 226 1516	MT-GLAZE	0.000 ZA 1/16W
R5062	301 224 8913	MT-GLAZE	100K JA 1/16W	R5651	301 224 9019	MT-GLAZE	10K JA 1/16W
R5063	301 224 9415	MT-GLAZE	1M JA 1/16W	R5652	301 230 8013	MT-GLAZE	1K JA 1/3W
R5064	301 287 2227	MT-GLAZE	22K FA 1/16W	R5653	301 224 9514	MT-GLAZE	2.2K JA 1/16W
R5081	301 225 1210	MT-GLAZE	4.7K JA 1/16W	R5654	301 224 9019	MT-GLAZE	10K JA 1/16W
R5082	301 225 1210	MT-GLAZE	4.7K JA 1/16W	R5661	301 224 9019	MT-GLAZE	10K JA 1/16W
R5093	301 299 5312	MT-GLAZE	12K FA 1/16W	R5662	301 225 1715	MT-GLAZE	39K JA 1/16W
R5094	301 338 8113	MT-GLAZE	1.2K FA 1/16W	R5663	301 224 9019	MT-GLAZE	10K JA 1/16W
R5096	301 224 9019	MT-GLAZE	10K JA 1/16W	R5664	301 224 9019	MT-GLAZE	10K JA 1/16W
R5101	301 225 8110	MT-GLAZE	10 JA 1/16W	R5803	301 224 9019	MT-GLAZE	10K JA 1/16W
R5102	301 225 8110	MT-GLAZE	10 JA 1/16W	R5811	645 100 9340	IMPEDANCE,120 OHM P	
R5103	301 150 6014	MT-GLAZE	0.000 ZA 1/10W		645 093 1048	IMPEDANCE,120 OHM P	
R5104	301 224 9316	MT-GLAZE	1K JA 1/16W	R5812	645 100 9340	IMPEDANCE,120 OHM P	
R5106	301 224 8814	MT-GLAZE	100 JA 1/16W		645 093 1048	IMPEDANCE,120 OHM P	
R5107	301 224 9316	MT-GLAZE	1K JA 1/16W	R5813	645 100 9340	IMPEDANCE,120 OHM P	
R5108	301 224 8814	MT-GLAZE	100 JA 1/16W		645 093 1048	IMPEDANCE,120 OHM P	
R5111	301 224 9019	MT-GLAZE	10K JA 1/16W	R5814	645 100 9340	IMPEDANCE,120 OHM P	
R5112	301 224 9019	MT-GLAZE	10K JA 1/16W		645 093 1048	IMPEDANCE,120 OHM P	
R5113	301 225 1210	MT-GLAZE	4.7K JA 1/16W	R5815	645 100 9340	IMPEDANCE,120 OHM P	
R5114	301 224 9019	MT-GLAZE	10K JA 1/16W		645 093 1048	IMPEDANCE,120 OHM P	
R5121	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R5816	645 100 9340	IMPEDANCE,120 OHM P	
R5123	301 224 9316	MT-GLAZE	1K JA 1/16W		645 093 1048	IMPEDANCE,120 OHM P	
R5124	301 265 1614	MT-GLAZE	470 FA 1/10W	R5817	645 100 9340	IMPEDANCE,120 OHM P	
R5126	301 225 0213	MT-GLAZE	3.3K JA 1/16W		645 093 1048	IMPEDANCE,120 OHM P	
R5128	301 224 9316	MT-GLAZE	1K JA 1/16W	R5818	645 100 9340	IMPEDANCE,120 OHM P	
R5129	301 265 1614	MT-GLAZE	470 FA 1/10W		645 093 1048	IMPEDANCE,120 OHM P	
R5131	301 294 3016	MT-GLAZE	10K FA 1/16W	R5819	645 100 9340	IMPEDANCE,120 OHM P	
R5132	301 294 3016	MT-GLAZE	10K FA 1/16W		645 093 1048	IMPEDANCE,120 OHM P	
R5141	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R5821	301 224 9316	MT-GLAZE	1K JA 1/16W
R5142	301 224 9316	MT-GLAZE	1K JA 1/16W	R5822	301 224 9316	MT-GLAZE	1K JA 1/16W
R5143	301 225 0213	MT-GLAZE	3.3K JA 1/16W	R5823	301 224 9316	MT-GLAZE	1K JA 1/16W
R5144	301 224 9316	MT-GLAZE	1K JA 1/16W	R5824	301 224 9316	MT-GLAZE	1K JA 1/16W
R5146	301 224 9316	MT-GLAZE	1K JA 1/16W	R5825	301 224 9316	MT-GLAZE	1K JA 1/16W
R5147	301 224 8913	MT-GLAZE	100K JA 1/16W	R5826	301 224 9316	MT-GLAZE	1K JA 1/16W
R5151	301 224 9019	MT-GLAZE	10K JA 1/16W	R5827	301 224 9316	MT-GLAZE	1K JA 1/16W
R5152	301 299 4810	MT-GLAZE	2.7K FA 1/16W	R5829	301 224 9316	MT-GLAZE	1K JA 1/16W
R5153	301 224 9316	MT-GLAZE	1K JA 1/16W	R5831	301 224 9019	MT-GLAZE	10K JA 1/16W

Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description
R5851	301 226 1516	MT-GLAZE 0.000 ZA 1/16W	R7862	301 284 3613	MT-GLAZE 16K JA 1/16W
R5852	301 226 1516	MT-GLAZE 0.000 ZA 1/16W	R7863	301 225 0510	MT-GLAZE 33K JA 1/16W
R5853	301 226 1516	MT-GLAZE 0.000 ZA 1/16W	R7864	301 224 9316	MT-GLAZE 1K JA 1/16W
R5854	301 226 1516	MT-GLAZE 0.000 ZA 1/16W	R7866	301 224 9316	MT-GLAZE 1K JA 1/16W
R5856	301 226 1516	MT-GLAZE 0.000 ZA 1/16W	R7867	301 261 1014	MT-GLAZE 2.4K JA 1/16W
R5857	301 226 1516	MT-GLAZE 0.000 ZA 1/16W	R7868	301 336 8818	MT-GLAZE 6.8K FA 1/16W
R5858	301 224 9019	MT-GLAZE 10K JA 1/16W	R7869	301 294 2811	MT-GLAZE 2.2K FA 1/16W
R6201	301 225 1210	MT-GLAZE 4.7K JA 1/16W	R7871	301 225 1210	MT-GLAZE 4.7K JA 1/16W
R6202	301 225 1210	MT-GLAZE 4.7KJA 1/16W	R7872	301 225 1210	MT-GLAZE 4.7K JA 1/16W
R6203	301 224 9019	MT-GLAZE 10K JA 1/16W	R7873	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R6204	301 224 9019	MT-GLAZE 10K JA 1/16W	R7874	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R6206	301 224 9019	MT-GLAZE 10K JA 1/16W	R7881	301 225 8110	MT-GLAZE 10 JA 1/16W
R6221	301 225 1210	MT-GLAZE 4.7K JA 1/16W	R7882	301 225 8110	MT-GLAZE 10 JA 1/16W
R6222	301 225 1210	MT-GLAZE 4.7K JA 1/16W	R7883	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R6223	301 226 1516	MT-GLAZE 0.000 ZA 1/16W	R7884	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R6224	301 226 1516	MT-GLAZE 0.000 ZA 1/16W	R7886	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R7801	301 224 9019	MT-GLAZE 10K JA 1/16W	R7887	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R7802	301 224 9019	MT-GLAZE 10K JA 1/16W	R7888	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R7803	301 224 9019	MT-GLAZE 10K JA 1/16W	R7889	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R7804	301 224 9019	MT-GLAZE 10K JA 1/16W	R7892	301 224 9019	MT-GLAZE 10K JA 1/16W
R7805	301 224 9019	MT-GLAZE 10K JA 1/16W	R7894	301 224 9019	MT-GLAZE 10K JA 1/16W
R7806	301 224 9019	MT-GLAZE 10K JA 1/16W	R7896	301 224 9019	MT-GLAZE 10K JA 1/16W
R7807	301 224 9316	MT-GLAZE 1K JA 1/16W	R7897	301 225 0619	MT-GLAZE 5.6K JA 1/16W
R7808	301 224 9316	MT-GLAZE 1K JA 1/16W	R7898	301 225 0619	MT-GLAZE 5.6K JA 1/16W
R7809	301 224 9019	MT-GLAZE 10K JA 1/16W	R7899	301 225 3818	MT-GLAZE 1.5K JA 1/16W
R7811	301 224 9514	MT-GLAZE 2.2K JA 1/16W	R8001	301 264 5316	MT-GLAZE 2.2 JA 1/10W
R7812	301 284 3613	MT-GLAZE 16K JA 1/16W	R8002	301 264 5316	MT-GLAZE 2.2 JA 1/10W
R7813	301 225 0510	MT-GLAZE 33K JA 1/16W	R8003	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R7814	301 224 9316	MT-GLAZE 1K JA 1/16W	R8004	301 224 9415	MT-GLAZE 1M JA 1/16W
R7815	301 224 9019	MT-GLAZE 10K JA 1/16W	R8011	301 225 1210	MT-GLAZE 4.7K JA 1/16W
R7816	301 224 9316	MT-GLAZE 1K JA 1/16W	R8012	301 225 1210	MT-GLAZE 4.7K JA 1/16W
R7817	301 261 1014	MT-GLAZE 2.4K JA 1/16W	R8013	301 225 0312	MT-GLAZE 33 JA 1/16W
R7818	301 336 8818	MT-GLAZE 6.8K FA 1/16W	R8014	301 225 0312	MT-GLAZE 33 JA 1/16W
R7819	301 294 2811	MT-GLAZE 2.2K FA 1/16W	R8018	301 225 1210	MT-GLAZE 4.7K JA 1/16W
R7821	301 224 9514	MT-GLAZE 2.2K JA 1/16W	R8019	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R7822	301 284 3613	MT-GLAZE 16K JA 1/16W	R8022	301 225 8110	MT-GLAZE 10 JA 1/16W
R7823	301 225 0510	MT-GLAZE 33K JA 1/16W	R8023	301 225 8110	MT-GLAZE 10 JA 1/16W
R7824	301 224 9316	MT-GLAZE 1K JA 1/16W	R8025	301 225 1210	MT-GLAZE 4.7K JA 1/16W
R7826	301 224 9316	MT-GLAZE 1K JA 1/16W	R8026	301 225 1210	MT-GLAZE 4.7K JA 1/16W
R7827	301 261 1014	MT-GLAZE 2.4K JA 1/16W	R8027	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R7828	301 336 8818	MT-GLAZE 6.8K FA 1/16W	R8029	301 264 5316	MT-GLAZE 2.2 JA 1/10W
R7829	301 294 2811	MT-GLAZE 2.2K FA 1/16W	R8035	301 225 0312	MT-GLAZE 33 JA 1/16W
R7831	301 224 9514	MT-GLAZE 2.2K JA 1/16W	R8037	301 225 0312	MT-GLAZE 33 JA 1/16W
R7832	301 284 3613	MT-GLAZE 16K JA 1/16W	R8038	301 225 0312	MT-GLAZE 33 JA 1/16W
R7833	301 225 0510	MT-GLAZE 33K JA 1/16W	R8039	301 225 0312	MT-GLAZE 33 JA 1/16W
R7834	301 224 9316	MT-GLAZE 1K JA 1/16W	R8041	301 225 0312	MT-GLAZE 33 JA 1/16W
R7836	301 224 9316	MT-GLAZE 1K JA 1/16W	R8042	301 225 0312	MT-GLAZE 33 JA 1/16W
R7837	301 261 1014	MT-GLAZE 2.4K JA 1/16W	R8043	301 225 0312	MT-GLAZE 33 JA 1/16W
R7838	301 336 8818	MT-GLAZE 6.8K FA 1/16W	R8044	301 225 0312	MT-GLAZE 33 JA 1/16W
R7839	301 294 2811	MT-GLAZE 2.2K FA 1/16W	R8046	301 225 0312	MT-GLAZE 33 JA 1/16W
R7841	301 224 9514	MT-GLAZE 2.2K JA 1/16W	R8047	301 225 0312	MT-GLAZE 33 JA 1/16W
R7842	301 284 3613	MT-GLAZE 16K JA 1/16W	R8048	301 225 0312	MT-GLAZE 33 JA 1/16W
R7843	301 225 0510	MT-GLAZE 33K JA 1/16W	R8081	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R7844	301 224 9316	MT-GLAZE 1K JA 1/16W	R8082	301 224 9019	MT-GLAZE 10K JA 1/16W
R7846	301 224 9316	MT-GLAZE 1K JA 1/16W	R8083	301 298 5511	MT-GLAZE 8.2K FA 1/16W
R7847	301 261 1014	MT-GLAZE 2.4K JA 1/16W	R8084	301 298 5818	MT-GLAZE 9.1K FA 1/16W
R7848	301 336 8818	MT-GLAZE 6.8K FA 1/16W	R8086	301 294 3511	MT-GLAZE 27K FA 1/16W
R7849	301 294 2811	MT-GLAZE 2.2K FA 1/16W	R8087	301 150 6014	MT-GLAZE 0.000 ZA 1/10W
R7851	301 224 9514	MT-GLAZE 2.2K JA 1/16W	R8097	301 225 1210	MT-GLAZE 4.7K JA 1/16W
R7852	301 284 3613	MT-GLAZE 16K JA 1/16W	R8098	301 224 9019	MT-GLAZE 10K JA 1/16W
R7853	301 225 0510	MT-GLAZE 33K JA 1/16W	R8099	301 224 9019	MT-GLAZE 10K JA 1/16W
R7854	301 224 9316	MT-GLAZE 1K JA 1/16W	R8151	301 224 9712	MT-GLAZE 22 JA 1/16W
R7856	301 224 9316	MT-GLAZE 1K JA 1/16W	R8152	301 224 8913	MT-GLAZE 100K JA 1/16W
R7857	301 261 1014	MT-GLAZE 2.4K JA 1/16W	R8153	301 224 9712	MT-GLAZE 22 JA 1/16W
R7858	301 336 8818	MT-GLAZE 6.8K FA 1/16W	R8154	301 224 8913	MT-GLAZE 100K JA 1/16W
R7859	301 294 2811	MT-GLAZE 2.2K FA 1/16W	R8156	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
R7861	301 224 9514	MT-GLAZE 2.2K JA 1/16W	R8158	301 226 1516	MT-GLAZE 0.000 ZA 1/16W

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
R8159	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8354	301 224 9712	MT-GLAZE	22 JA	1/16W
R8201	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8361	301 224 8814	MT-GLAZE	100 JA	1/16W
R8202	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8362	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8203	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8363	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8204	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8371	301 224 9019	MT-GLAZE	10K JA	1/16W
R8205	301 264 0311	MT-GLAZE	1 JA	1/10W	R8372	301 224 9316	MT-GLAZE	1K JA	1/16W
R8206	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8373	301 224 9019	MT-GLAZE	10K JA	1/16W
R8207	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8374	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R8208	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8821	301 225 8110	MT-GLAZE	10 JA	1/16W
R8209	301 225 3818	MT-GLAZE	1.5K JA	1/16W	R8822	301 225 8110	MT-GLAZE	10 JA	1/16W
R8211	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8823	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8212	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8826	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8213	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8828	301 224 9019	MT-GLAZE	10K JA	1/16W
R8214	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8841	301 225 8110	MT-GLAZE	10 JA	1/16W
R8216	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8842	301 225 8110	MT-GLAZE	10 JA	1/16W
R8217	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8851	301 225 8110	MT-GLAZE	10 JA	1/16W
R8218	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8852	301 225 8110	MT-GLAZE	10 JA	1/16W
R8219	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R8853	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8221	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R9711	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8222	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R9712	301 265 4912	MT-GLAZE	75 FA	1/10W
R8223	301 225 0312	MT-GLAZE	33 JA	1/16W	R9801	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8224	301 225 0312	MT-GLAZE	33 JA	1/16W	R9802	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8226	301 225 0312	MT-GLAZE	33 JA	1/16W	R9803	301 294 3511	MT-GLAZE	27K FA	1/16W
R8227	301 225 0312	MT-GLAZE	33 JA	1/16W	R9804	301 225 3818	MT-GLAZE	1.5K JA	1/16W
R8228	301 225 0312	MT-GLAZE	33 JA	1/16W	R9806	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R8229	301 225 0312	MT-GLAZE	33 JA	1/16W	RB403	645 049 0675	R-NETWORK 33X4 1/32W		
R8232	301 224 9019	MT-GLAZE	10K JA	1/16W		945 049 0690	R-NETWORK 33X4 1/16W		
R8281	301 150 6014	MT-GLAZE	0.000 ZA	1/10W	RB404	645 049 0675	R-NETWORK 33X4 1/32W		
R8282	301 224 9019	MT-GLAZE	10K JA	1/16W		945 049 0690	R-NETWORK 33X4 1/16W		
R8283	301 294 3511	MT-GLAZE	27K FA	1/16W	RB406	645 049 0675	R-NETWORK 33X4 1/32W		
R8284	301 299 5312	MT-GLAZE	12K FA	1/16W		945 049 0690	R-NETWORK 33X4 1/16W		
R8285	301 299 4810	MT-GLAZE	2.7K FA	1/16W	RB4501	645 049 0675	R-NETWORK 33X4 1/32W		
R8286	301 294 3511	MT-GLAZE	27K FA	1/16W		945 049 0690	R-NETWORK 33X4 1/16W		
R8287	301 150 6014	MT-GLAZE	0.000 ZA	1/10W	RB8001	645 049 0675	R-NETWORK 33X4 1/32W		
R8291	301 299 5312	MT-GLAZE	12K FA	1/16W		945 049 0690	R-NETWORK 33X4 1/16W		
R8292	301 294 3016	MT-GLAZE	10K FA	1/16W	RB8002	645 049 0675	R-NETWORK 33X4 1/32W		
R8293	301 224 9019	MT-GLAZE	10K JA	1/16W		945 049 0690	R-NETWORK 33X4 1/16W		
R8301	301 224 9019	MT-GLAZE	10K JA	1/16W	RB8003	645 049 0675	R-NETWORK 33X4 1/32W		
R8302	301 225 1210	MT-GLAZE	4.7K JA	1/16W		945 049 0690	R-NETWORK 33X4 1/16W		
R8303	301 224 9316	MT-GLAZE	1K JA	1/16W	RB8004	645 049 0675	R-NETWORK 33X4 1/32W		
R8304	301 224 9019	MT-GLAZE	10K JA	1/16W		945 049 0690	R-NETWORK 33X4 1/16W		
R8308	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	RB8005	645 049 0675	R-NETWORK 33X4 1/32W		
R8309	301 226 1516	MT-GLAZE	0.000 ZA	1/16W		945 049 0690	R-NETWORK 33X4 1/16W		
R8311	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	RB8006	645 049 0675	R-NETWORK 33X4 1/32W		
R8312	301 224 9316	MT-GLAZE	1K JA	1/16W		945 049 0690	R-NETWORK 33X4 1/16W		
R8314	301 224 9019	MT-GLAZE	10K JA	1/16W	RB8007	645 049 0675	R-NETWORK 33X4 1/32W		
R8316	301 224 9019	MT-GLAZE	10K JA	1/16W		945 049 0690	R-NETWORK 33X4 1/16W		
R8317	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	RB8201	645 049 0675	R-NETWORK 33X4 1/32W		
R8318	301 226 1516	MT-GLAZE	0.000 ZA	1/16W		945 049 0690	R-NETWORK 33X4 1/16W		
R8319	301 224 8913	MT-GLAZE	100K JA	1/16W	RB8202	645 049 0675	R-NETWORK 33X4 1/32W		
R8321	301 224 9415	MT-GLAZE	1M JA	1/16W		945 049 0690	R-NETWORK 33X4 1/16W		
R8322	301 225 1210	MT-GLAZE	4.7K JA	1/16W	RB8203	645 049 0675	R-NETWORK 33X4 1/32W		
R8323	301 150 6014	MT-GLAZE	0.000 ZA	1/10W		945 049 0690	R-NETWORK 33X4 1/16W		
R8324	301 294 2811	MT-GLAZE	2.2K FA	1/16W	RB8204	645 049 0675	R-NETWORK 33X4 1/32W		
R8341	301 302 5414	MT-GLAZE	220 FA	1/16W		945 049 0690	R-NETWORK 33X4 1/16W		
R8342	301 302 5414	MT-GLAZE	220 FA	1/16W	RB8206	645 049 0675	R-NETWORK 33X4 1/32W		
R8343	301 341 0616	MT-GLAZE	49.9 FA	1/16W		945 049 0690	R-NETWORK 33X4 1/16W		
R8344	301 341 0616	MT-GLAZE	49.9 FA	1/16W	RB8207	645 049 0675	R-NETWORK 33X4 1/32W		
R8346	645 100 9340	IMPEDANCE,120 OHM P				945 049 0690	R-NETWORK 33X4 1/16W		
	645 093 1048	IMPEDANCE,120 OHM P			COIL				
R8347	645 100 9340	IMPEDANCE,120 OHM P			L001	945 041 1978	INDUCTOR,330 OHM		
	645 093 1048	IMPEDANCE,120 OHM P			L002	945 038 4579	INDUCTOR,33U M		
R8348	301 226 1516	MT-GLAZE	0.000 ZA	1/16W		945 075 1012	INDUCTOR,33U M		
R8349	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	L003	945 038 4579	INDUCTOR,33U M		
R8351	301 150 6014	MT-GLAZE	0.000 ZA	1/10W		945 075 1012	INDUCTOR,33U M		
R8352	301 341 0616	MT-GLAZE	49.9 FA	1/16W	L1001	945 070 3660	INDUCTOR,90 OHM		
R8353	301 341 0616	MT-GLAZE	49.9 FA	1/16W					

Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description
L1002	945 070 3660	INDUCTOR,90 OHM	D2519	307 201 2724	DIODE RB051L-40-TE25
L1003	945 070 3660	INDUCTOR,90 OHM	D2531	307 250 0716	DIODE RB060M-30-TR
L1004	945 070 3660	INDUCTOR,90 OHM	D2541	307 205 5216	DIODE RB521S-30-TE61
L1421	645 053 5482	IMPEDANCE,68 OHM P	D2542	307 205 5216	DIODE RB521S-30-TE61
L1481	645 053 5482	IMPEDANCE,68 OHM P	D2543	307 205 5216	DIODE RB521S-30-TE61
L1482	645 053 5482	IMPEDANCE,68 OHM P	D2544	307 205 5216	DIODE RB521S-30-TE61
L1483	645 053 5482	IMPEDANCE,68 OHM P	D2546	307 205 5216	DIODE RB521S-30-TE61
L1484	645 053 5482	IMPEDANCE,68 OHM P	D2547	307 205 5216	DIODE RB521S-30-TE61
L2511	645 099 4920	INDUCTOR,10U M	D2548	307 205 5216	DIODE RB521S-30-TE61
L2512	645 099 4920	INDUCTOR,10U M	D2549	307 205 5216	DIODE RB521S-30-TE61
L2516	645 099 4937	INDUCTOR,15U M	D2831	307 149 0810	DIODE 1SS355-TE-17
L2518	645 099 4951	INDUCTOR,3.8U N		408 062 7201	DIODE 1SS355
L2531	645 099 4944	INDUCTOR,33U M		307 163 0414	DIODE 1SS352-(TPH3)
L2541	945 041 1954	INDUCTOR,100 OHM	D2832	307 149 0810	DIODE 1SS355-TE-17
L2542	945 041 1954	INDUCTOR,100 OHM		408 062 7201	DIODE 1SS355
L2543	945 041 1954	INDUCTOR,100 OHM		307 163 0414	DIODE 1SS352-(TPH3)
L2544	945 041 1954	INDUCTOR,100 OHM	D2833	307 149 0810	DIODE 1SS355-TE-17
L2546	945 041 1954	INDUCTOR,100 OHM		408 062 7201	DIODE 1SS355
L2822	645 092 3616	IMPEDANCE,22 OHM P		307 163 0414	DIODE 1SS352-(TPH3)
L3001	945 086 7577	FILTER,EMI 400MHZ	D2834	307 149 0810	DIODE 1SS355-TE-17
L3011	945 086 7577	FILTER,EMI 400MHZ		408 062 7201	DIODE 1SS355
L3021	945 086 7577	FILTER,EMI 400MHZ		307 163 0414	DIODE 1SS352-(TPH3)
L3031	945 086 7560	FILTER,EMI 200MHZ	D2836	307 149 0810	DIODE 1SS355-TE-17
L3032	945 086 7560	FILTER,EMI 200MHZ		408 062 7201	DIODE 1SS355
L3041	945 086 6037	IMPEDANCE,330 OHM P		307 163 0414	DIODE 1SS352-(TPH3)
L3051	945 086 7577	FILTER,EMI 400MHZ	D2837	307 149 0810	DIODE 1SS355-TE-17
L3061	945 086 7577	FILTER,EMI 400MHZ		408 062 7201	DIODE 1SS355
L3071	945 086 7577	FILTER,EMI 400MHZ		307 163 0414	DIODE 1SS352-(TPH3)
L3081	945 086 7560	FILTER,EMI 200MHZ	D2838	307 149 0810	DIODE 1SS355-TE-17
L3082	945 086 7560	FILTER,EMI 200MHZ		408 062 7201	DIODE 1SS355
L3501	945 086 5368	IMPEDANCE,220 OHM P		307 163 0414	DIODE 1SS352-(TPH3)
L3506	945 086 5368	IMPEDANCE,220 OHM P	D2839	307 149 0810	DIODE 1SS355-TE-17
L3514	645 099 4913	INDUCTOR,22U M		408 062 7201	DIODE 1SS355
L3517	645 099 4913	INDUCTOR,22U M		307 163 0414	DIODE 1SS352-(TPH3)
L3531	945 086 5368	IMPEDANCE,220 OHM P	D2851	307 209 1214	ZD UDZS-TE-176.2B
L3532	645 053 5482	IMPEDANCE,68 OHM P		307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3)
L4711	645 092 3616	IMPEDANCE,22 OHM P		408 063 7507	ZENER DIODE MM3Z6V2B
L4714	645 092 3616	IMPEDANCE,22 OHM P	D3041	307 221 7119	ZENER DIODE UDZS-TE-1712B
L4716	645 092 3616	IMPEDANCE,22 OHM P		307 223 0514	ZENER DIODE 02DZ12Y(TPH3)
L5101	945 041 1978	INDUCTOR,330 OHM		408 063 1802	ZENER DIODE MM3Z12B
L5601	645 053 5482	IMPEDANCE,68 OHM P	D3042	307 221 7119	ZENER DIODE UDZS-TE-1712B
L5602	645 053 5482	IMPEDANCE,68 OHM P		307 223 0514	ZENER DIODE 02DZ12Y(TPH3)
L5611	945 033 7995	INDUCTOR,100U M		408 063 1802	ZENER DIODE MM3Z12B
L5613	301 150 6014	MT-GLAZE 0.000 ZA 1/10W	D3043	307 205 5216	DIODE RB521S-30-TE61
L5641	645 099 4920	INDUCTOR,10U M	D3044	307 205 5216	DIODE RB521S-30-TE61
L5642	945 033 7995	INDUCTOR,100U M	D3046	307 209 1214	ZD UDZS-TE-176.2B
L7811	945 041 1978	INDUCTOR,330 OHM		307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3)
L7882	945 086 6037	IMPEDANCE,330 OHM P		408 063 7507	ZENER DIODE MM3Z6V2B
L8001	945 086 6037	IMPEDANCE,330 OHM P	D3508	407 266 1414	ZENER DIODE TDZTR10
L8002	945 086 6037	IMPEDANCE,330 OHM P	D3514	407 251 2825	DIODE CMS14-TE12L
L8003	945 086 6037	IMPEDANCE,330 OHM P	D3517	407 251 2825	DIODE CMS14-TE12L
L8006	945 086 6037	IMPEDANCE,330 OHM P	D3651	307 149 0810	DIODE 1SS355-TE-17
L8007	945 086 6037	IMPEDANCE,330 OHM P		408 062 7201	DIODE 1SS355
L8008	945 086 6037	IMPEDANCE,330 OHM P		307 163 0414	DIODE 1SS352-(TPH3)
L8081	945 041 1954	INDUCTOR,100 OHM	D4054	307 205 5216	DIODE RB521S-30-TE61
L8201	945 086 5368	IMPEDANCE,220 OHM P	D4701	307 209 1214	ZD UDZS-TE-176.2B
L8202	945 086 5368	IMPEDANCE,220 OHM P		307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3)
L8204	945 086 5368	IMPEDANCE,220 OHM P		408 063 7507	ZENER DIODE MM3Z6V2B
L8341	945 086 7461	FILTER,EMI 100MHZ	D5061	307 149 0810	ZENER DIODE MM3Z12B
L8371	945 041 1954	INDUCTOR,100 OHM		408 062 7201	DIODE 1SS355-TE-17
L9801	945 086 6037	IMPEDANCE,330 OHM P		307 163 0414	DIODE 1SS352-(TPH3)
DIODE			D5611	307 201 2724	DIODE RB051L-40-TE25
D2511	307 250 0716	DIODE RB060M-30-TR	D5621	307 221 7119	ZENER DIODE UDZS-TE-1712B
D2512	307 250 0716	DIODE RB060M-30-TR		307 223 0514	ZENER DIODE 02DZ12Y(TPH3)
D2513	307 250 0716	DIODE RB060M-30-TR		408 063 1802	ZENER DIODE MM3Z12B
D2514	307 250 0716	DIODE RB060M-30-TR	D5641	307 201 2724	DIODE RB051L-40-TE25
			D5642	307 201 2724	DIODE RB051L-40-TE25

Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description
D5801	307 205 5216	DIODE RB521S-30-TE61	Q2813	305 015 8727	TR 2SC2812-L6-TB
D7811	307 149 0810	DIODE 1SS355-TE-17		305 015 8925	TR 2SC2812-L7-TB
	408 062 7201	DIODE 1SS355		305 163 1615	TR 2SC2812N-L6-TB0
	307 163 0414	DIODE 1SS352-(TPH3)		305 173 9816	TR 2SC3928A1R
D7812	307 149 0810	DIODE 1SS355-TE-17		305 173 9915	TR 2SC3928A1S
	408 062 7201	DIODE 1SS355	Q2814	305 015 8727	TR 2SC2812-L6-TB
	307 163 0414	DIODE 1SS352-(TPH3)		305 015 8925	TR 2SC2812-L7-TB
D7821	307 149 0810	DIODE 1SS355-TE-17		305 163 1615	TR 2SC2812N-L6-TB0
	408 062 7201	DIODE 1SS355		305 173 9816	TR 2SC3928A1R
	307 163 0414	DIODE 1SS352-(TPH3)		305 173 9915	TR 2SC3928A1S
D7831	307 149 0810	DIODE 1SS355-TE-17	Q2816	305 015 8727	TR 2SC2812-L6-TB
	408 062 7201	DIODE 1SS355		305 015 8925	TR 2SC2812-L7-TB
	307 163 0414	DIODE 1SS352-(TPH3)		305 163 1615	TR 2SC2812N-L6-TB0
D7841	307 149 0810	DIODE 1SS355-TE-17		305 173 9816	TR 2SC3928A1R
	408 062 7201	DIODE 1SS355		305 173 9915	TR 2SC3928A1S
	307 163 0414	DIODE 1SS352-(TPH3)			
D7851	307 149 0810	DIODE 1SS355-TE-17	C2801	403 455 1012	CERAMIC 1U K 10V
	408 062 7201	DIODE 1SS355		303 433 1112	CERAMIC 1U K 10V
	307 163 0414	DIODE 1SS352-(TPH3)	C2802	303 380 0114	CERAMIC 47U M 6.3V
D7861	307 149 0810	DIODE 1SS355-TE-17		403 457 3311	CERAMIC 47U M 6.3V
	408 062 7201	DIODE 1SS355	C2803	303 282 5118	CERAMIC 470P K 50V
	307 163 0414	DIODE 1SS352-(TPH3)		303 453 9211	CERAMIC 470P K 50V
D7891	307 149 0810	DIODE 1SS355-TE-17	C2811	303 438 0219	CERAMIC 0.1U K 16V
	408 062 7201	DIODE 1SS355		303 409 3426	CERAMIC 0.1U K 16V
	307 163 0414	DIODE 1SS352-(TPH3)		303 453 8610	CERAMIC 0.1U K 16V
MISCELLANEOUS				303 453 8917	CERAMIC 0.1U K 16V
FB5601	945 041 1954	INDUCTOR,100 OHM	C6801	303 438 0219	CERAMIC 0.1U K 16V
FB5602	945 041 1954	INDUCTOR,100 OHM		303 409 3426	CERAMIC 0.1U K 16V
FB5603	945 041 1954	INDUCTOR,100 OHM		303 453 8610	CERAMIC 0.1U K 16V
FB5604	945 041 1954	INDUCTOR,100 OHM		303 453 8917	CERAMIC 0.1U K 16V
K10A	652 003 2194	SOCKET,HDMI 19P			
	645 095 3637	SOCKET,IF(HDMI) 19P			
K30A	645 089 7696	SOCKET,D-SUB 15P			
	952 001 8601	SOCKET,D-SUB 15P	R2801	301 225 1814	RESISTOR MT-GLAZE 47 JA 1/16W
K30B	645 089 7702	SOCKET,D-SUB 15P	R2802	301 224 8814	MT-GLAZE 100 JA 1/16W
	952 001 8571	SOCKET,D-SUB 15P	R2811	301 224 8814	MT-GLAZE 100 JA 1/16W
K38C	645 095 2647	SOCKET,USB 4P	R2812	301 224 8814	MT-GLAZE 100 JA 1/16W
K83A	645 093 6760	TRANS,PULSE	R2814	301 229 3913	MT-GLAZE 180 JA 1/16W
	652 003 2743	TRANS,PULSE	R2816	301 229 3913	MT-GLAZE 180 JA 1/16W
SC1001	945 076 3503	SURGE-ABSORBER	R2818	301 229 3913	MT-GLAZE 180 JA 1/16W
SC1002	945 076 3503	SURGE-ABSORBER	R2819	301 229 3913	MT-GLAZE 180 JA 1/16W
SC3031	945 076 3503	SURGE-ABSORBER	R2822	301 225 8011	MT-GLAZE 330 JA 1/16W
SC3032	945 076 3503	SURGE-ABSORBER	R2823	301 225 8011	MT-GLAZE 330 JA 1/16W
SC3081	945 076 3503	SURGE-ABSORBER	R2826	301 229 3913	MT-GLAZE 180 JA 1/16W
SC3082	945 076 3503	SURGE-ABSORBER	R2827	301 229 3913	MT-GLAZE 180 JA 1/16W
SW491	952 001 8830	SWITCH,PUSH 1P-1TX1			
	945 026 2792	SWITCH,PUSH 1P-1TX1			
X401	645 102 7696	OSC,CRYSTAL 32MHZ			
X4501	945 060 9900	OSC,CERAMIC 8.00MHZ			
X8001	945 088 7179	OSC,CRYSTAL 27.0MHZ			
X8301	945 083 7556	OSC,CRYSTAL 25.0MHZ			
A6801 610 355 6000 ASSY,PWB,KEY KV2AC					
TRANSISTOR					
Q2811	305 015 8727	TR 2SC2812-L6-TB	D2811	407 259 7515	DIODE SMLE12BC7TT86
	305 015 8925	TR 2SC2812-L7-TB	D2812	307 221 7119	ZENER DIODE UDZS-TE-1712B
	305 163 1615	TR 2SC2812N-L6-TB0		307 223 0514	ZENER DIODE 02DZ12Y(TPH3)
	305 173 9816	TR 2SC3928A1R		408 063 1802	ZENER DIODE MM3Z12B
	305 173 9915	TR 2SC3928A1S	D2813	407 264 6312	LED SMLE12Y8W T86
Q2812	305 015 8727	TR 2SC2812-L6-TB	D2814	307 221 7119	ZENER DIODE UDZS-TE-1712B
	305 015 8925	TR 2SC2812-L7-TB		307 223 0514	ZENER DIODE 02DZ12Y(TPH3)
	305 163 1615	TR 2SC2812N-L6-TB0		408 063 1802	ZENER DIODE MM3Z12B
	305 173 9816	TR 2SC3928A1R	D2816	407 264 6510	LED SMLE12V8W T86
	305 173 9915	TR 2SC3928A1S	D2817	307 221 7119	ZENER DIODE UDZS-TE-1712B
				307 223 0514	ZENER DIODE 02DZ12Y(TPH3)
				408 063 1802	ZENER DIODE MM3Z12B
			D2818	307 222 4810	LED SML-521MUW T86
			D2819	307 221 7119	ZENER DIODE UDZS-TE-1712B
				307 223 0514	ZENER DIODE 02DZ12Y(TPH3)
				408 063 1802	ZENER DIODE MM3Z12B
			D2821	307 221 7119	ZENER DIODE UDZS-TE-1712B
				307 223 0514	ZENER DIODE 02DZ12Y(TPH3)
				408 063 1802	ZENER DIODE MM3Z12B
MISCELLANEOUS					

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description					
A2801	645 102 3773	UNIT,REMOCON RECEIVER			C627	303 113 4112	CERAMIC	2200P K	50V			
A601 610 350 1406 ASSY,PWB,POWER.KG8AC												
TRANSISTOR												
Q611	405 218 6002	TR 2SK3934 LBS1			C629	303 224 5817	CERAMIC	2200P K	50V			
Q612	405 218 6002	TR 2SK3934 LBS1				304 091 3309	CERAMIC	2200P K	50V			
Q621	305 015 8727	TR 2SC2812-L6-TB				303 357 8815	CERAMIC	1000P J	50V			
	305 015 8925	TR 2SC2812-L7-TB				304 094 6505	CERAMIC	1000P J	50V			
	305 163 1615	TR 2SC2812N-L6-TB0				303 265 3216	CERAMIC	1000P J	50V			
	305 173 9816	TR 2SC3928A1R			C631	303 235 1013	CERAMIC	220P J	50V			
	305 173 9915	TR 2SC3928A1S				303 157 4215	CERAMIC	220P J	50V			
Q622	305 015 8727	TR 2SC2812-L6-TB				304 094 7700	CERAMIC	220P J	50V			
	305 015 8925	TR 2SC2812-L7-TB			C632	303 245 4417	CERAMIC	470P K	2K			
	305 163 1615	TR 2SC2812N-L6-TB0			C633	303 357 8815	CERAMIC	1000P J	50V			
	305 173 9816	TR 2SC3928A1R				304 094 6505	CERAMIC	1000P J	50V			
	305 173 9915	TR 2SC3928A1S				303 265 3216	CERAMIC	1000P J	50V			
Q641	305 015 8727	TR 2SC2812-L6-TB			C634	303 113 4112	CERAMIC	2200P K	50V			
	305 015 8925	TR 2SC2812-L7-TB				303 224 5817	CERAMIC	2200P K	50V			
	305 163 1615	TR 2SC2812N-L6-TB0				304 091 3309	CERAMIC	2200P K	50V			
	305 173 9816	TR 2SC3928A1R			C641	303 370 1510	CERAMIC	0.1U K	50V			
	305 173 9915	TR 2SC3928A1S				304 091 2609	CERAMIC	0.1U K	50V			
Q642	305 015 8727	TR 2SC2812-L6-TB			C644	303 367 0410	CERAMIC	0.1U K	50V			
	305 015 8925	TR 2SC2812-L7-TB				303 417 9912	CERAMIC	4.7U K	25V			
	305 163 1615	TR 2SC2812N-L6-TB0			C651	303 452 5016	CERAMIC	4.7U K	25V			
	305 173 9816	TR 2SC3928A1R			C653	303 410 7618	ELECT	220U M	35V			
	305 173 9915	TR 2SC3928A1S				303 370 1510	CERAMIC	0.1U K	50V			
Q643	305 015 8727	TR 2SC2812-L6-TB				304 091 2609	CERAMIC	0.1U K	50V			
	305 015 8925	TR 2SC2812-L7-TB			C654	303 367 0410	CERAMIC	0.1U K	50V			
	305 163 1615	TR 2SC2812N-L6-TB0				303 367 0410	CERAMIC	0.1U K	50V			
	305 173 9816	TR 2SC3928A1R			C661	403 445 4432	ELECT	1800U M	25V			
	305 173 9915	TR 2SC3928A1S			C662	303 370 1510	CERAMIC	0.1U K	50V			
Q651	405 223 4406	TR 2S4085LS				304 091 2609	CERAMIC	0.1U K	50V			
	305 147 2218	TR 2SA1037AK-S-T146			C663	303 367 0410	CERAMIC	0.1U K	50V			
	405 220 3016	TR ISA1235AC1F			C671	403 445 4432	ELECT	1800U M	25V			
	305 134 5928	TR 2SA1037AK-T146-R				303 370 1510	CERAMIC	0.1U K	50V			
	405 220 3115	TR ISA1235AC1E				304 091 2609	CERAMIC	0.1U K	50V			
Q642	305 173 9717	TR 2SA1235A1F			C672	303 367 0410	CERAMIC	0.1U K	50V			
	305 173 9618	TR 2SA1235A1E			C673	303 410 7113	ELECT	100U M	25V			
	INTEGRATED CIRCUIT				C674	303 410 7113	ELECT	100U M	25V			
IC621	409 690 7918	IC FA5550N				403 477 6514	MT-POLYEST	0.01U J	630V			
IC631	309 653 7405	IC MR4010-7101				403 478 9019	MT-POLYEST	0.01U J	630V			
CAPACITOR												
C611	303 222 1316	CERAMIC	1000P K	1K	RESISTOR							
C612	303 222 1316	CERAMIC	1000P K	1K	R611	401 353 0212	MT-GLAZE	360K JA	1/3W			
C613	303 371 8518	MT-POLYEST	1U K	400V	R612	401 353 0311	MT-GLAZE	430K JA	1/3W			
	303 427 2019	MT-POLYEST	1U K	400V	R613	301 256 6314	MT-GLAZE	47K JA	1/10W			
	303 451 4119	MT-POLYEST	1U K	450V	R614	402 109 8206	RESISTER	0.15 JB	5W			
C614	303 371 8518	MT-POLYEST	1U K	400V	R615	402 122 0409	MT-GLAZE	680K DD	1/4W			
	303 427 2019	MT-POLYEST	1U K	400V	R616	401 361 2611	MT-GLAZE	680K DA	1/4W			
	303 451 4119	MT-POLYEST	1U K	450V		402 122 0409	MT-GLAZE	680K DD	1/4W			
C615	404 115 2704	ELECT	330U M	420V	R617	301 256 6314	MT-GLAZE	47K JA	1/10W			
	404 115 6306	ELECT	330U M	420V		301 256 6314	MT-GLAZE	47K JA	1/10W			
C621	403 459 8017	CERAMIC	0.47U K	16V	R618	301 188 3313	MT-GLAZE	680K JA	1/4W			
	304 110 9800	CERAMIC	0.47U K	16V	R619	301 256 0718	MT-GLAZE	33 JA	1/10W			
	303 336 3510	CERAMIC	0.47U K	16V	R620	301 256 6512	MT-GLAZE	68 JA	1/10W			
C622	303 323 3615	CERAMIC	0.047U K	50V	R621	301 326 1812	MT-GLAZE	8.2K DA	1/10W			
	304 091 4504	CERAMIC	0.047U K	50V	R622	401 360 4616	MT-GLAZE	620 DA	1/10W			
C623	303 356 5112	CERAMIC	0.047U K	50V	R623	301 150 6014	MT-GLAZE	0.000 ZA	1/10W			
	303 215 2214	CERAMIC	0.01U K	50V	R624	301 162 2912	MT-GLAZE	220 JA	1/10W			
C625	303 224 6111	CERAMIC	0.01U K	50V	R625	301 256 6512	MT-GLAZE	68 JA	1/10W			
	304 090 1207	CERAMIC	0.01U K	50V	R626	301 256 0718	MT-GLAZE	33 JA	1/10W			
C626	303 215 2214	CERAMIC	0.01U K	50V	R627	301 150 5918	MT-GLAZE	10K JA	1/10W			
	303 224 6111	CERAMIC	0.01U K	50V	R628	301 150 5918	MT-GLAZE	10K JA	1/10W			
C626	304 090 1207	CERAMIC	0.01U K	50V	R629	301 256 5812	MT-GLAZE	270K JA	1/10W			
	303 396 9613	CERAMIC	1U K	25V	R631	301 255 7718	MT-GLAZE	11K JA	1/10W			
C626	303 397 7618	CERAMIC	1U K	25V	R632	301 188 3313	MT-GLAZE	680K JA	1/4W			
	403 478 5912	CERAMIC	1U K	25V	R633	301 150 6014	MT-GLAZE	0.000 ZA	1/10W			

Electrical Parts List

Key No.	Part No.	Description		Key No.	Part No.	Description			
R634	301 256 1715	MT-GLAZE	33K JA 1/10W	D666	307 146 8116	DIODE EG01C			
R635	401 361 2710	MT-FILM	0.39 JA 1W	DB611	408 069 8904	DIODE RBV-1506 LF035-40			
	402 122 1802	OXIDE-MT	0.39JA 1W						
	302 099 6308	OXIDE-MT	0.39JA 1W						
R636	301 162 3018	MT-GLAZE	22K JA 1/10W						
R637	301 256 7212	MT-GLAZE	18K JA 1/10W						
R638	301 256 6314	MT-GLAZE	47K JA 1/10W						
R641	301 150 5918	MT-GLAZE	10K JA 1/10W						
R642	301 256 6611	MT-GLAZE	68K JA 1/10W						
R643	301 150 5918	MT-GLAZE	10K JA 1/10W						
R644	301 150 5918	MT-GLAZE	10K JA 1/10W						
R646	301 256 7212	MT-GLAZE	18K JA 1/10W						
R648	301 256 7212	MT-GLAZE	18K JA 1/10W						
R651	301 150 5918	MT-GLAZE	10K JA 1/10W						
R652	301 113 2114	MT-GLAZE	22 JA 1/2W						
R662	301 152 3219	MT-GLAZE	330 JA 1/10W						
R665	301 242 2313	MT-GLAZE	82K JA 1/2W						
R671	301 256 7618	MT-GLAZE	3.9K JA 1/10W						
R672	301 150 6212	MT-GLAZE	1K JA 1/10W						
R673	301 265 2611	MT-GLAZE	5.1K FA 1/10W						
R674	301 265 4417	MT-GLAZE	6.8K FA 1/10W						
R675	301 162 3711	MT-GLAZE	4.7K JA 1/10W						
R676	301 264 6511	MT-GLAZE	2.2K FA 1/10W						
R685	402 109 8206	RESISTER	0.15 JB 5W						
R686	301 258 8217	MT-GLAZE	680 JA 1/3W						
R687	302 080 8809	MT-GLAZE	680 KA 1W						
R689	301 242 2313	MT-GLAZE	82K JA 1/2W						
R690	301 242 2313	MT-GLAZE	82K JA 1/2W						
R691	301 242 2313	MT-GLAZE	82K JA 1/2W						
R692	301 162 2912	MT-GLAZE	220 JA 1/10W						
R701	301 190 1413	MT-GLAZE	0.000 ZA 1/2W						
R702	301 035 4111	MT-GLAZE	0.000 ZA 1/8W						
R703	301 035 4111	MT-GLAZE	0.000 ZA 1/8W						
R704	301 190 1413	MT-GLAZE	0.000 ZA 1/2W						
R707	301 035 4111	MT-GLAZE	0.000 ZA 1/8W						
R711	301 190 1413	MT-GLAZE	0.000 ZA 1/2W						
R712	301 190 1413	MT-GLAZE	0.000 ZA 1/2W						
R721	301 190 1413	MT-GLAZE	0.000 ZA 1/2W						
TRANSFORMER									
△T651	645 103 3536	TRANS,POWER,PULSE							
COIL									
△L611	945 081 4878	LINE FILTER							
L612	645 089 2561	INDUCTOR,700U							
L613	910 229 3532	CORE							
L614	910 229 3532	CORE							
L631	910 078 5954	PIPE CORE							
L661	910 229 3532	CORE							
DIODE									
D611	307 225 4401	DIODE FMX-G26S							
D611C	645 098 1715	CORE,FERRITE							
D611D	645 098 1715	CORE,FERRITE							
D612	307 149 0810	DIODE 1SS355-TE-17							
	408 062 7201	DIODE 1SS355							
	307 163 0414	DIODE 1SS352-(TPH3)							
D613	307 149 0810	DIODE 1SS355-TE-17							
	408 062 7201	DIODE 1SS355							
	307 163 0414	DIODE 1SS352-(TPH3)							
D631	307 149 0810	DIODE 1SS355-TE-17							
	408 062 7201	DIODE 1SS355							
	307 163 0414	DIODE 1SS352-(TPH3)							
D632	307 247 8827	DIODE RF101L2S							
D633	307 146 8116	DIODE EG01C							
D651	307 247 8827	DIODE RF101L2S							
D661	407 261 9504	DIODE YG862C10R							
D665	408 070 8702	THYRISTOR TFA87S LF675							
MISCELLANEOUS									
△F631	424 007 3305	FUSE 250V 2.0A							
△PC661	407 265 7813	PC TLP781F(D4-GB-TP7)							
△PC663	407 265 7813	PC TLP781F(D4-GB-TP7)							
△PC671	407 265 7813	PC TLP781F(D4-GB-TP7)							
PTH611	308 037 4603	THERMISTOR NTPDB8R0LD7B0							
PTH641	408 068 9803	TH PRF18BD471QB5RB							
ZD631	307 206 5413	ZD UDZS-TE-178.2B							
A602 610 350 1420 ASSY,PWB,LINE FILTER KG8AC									
CAPACITOR									
△C601	404 113 2904	MT-POLYEST 0.33U K 275V							
△C602	404 113 2904	MT-POLYEST 0.33U K 275V							
△C603	304 104 9502	CERAMIC 1500P M 250V							
△C604	304 104 9502	CERAMIC 1500P M 250V							
C605	404 113 2904	MT-POLYEST 0.33U K 275V							
C607	304 073 4508	CERAMIC 2200P M 250V							
C608	304 073 4508	CERAMIC 2200P M 250V							
RESISTOR									
△R600	401 353 0212	MT-GLAZE 360K JA 1/3W							
△R601	401 353 0311	MT-GLAZE 430K JA 1/3W							
VARIABLE RESISTOR									
△VA601	408 066 1700	VD TND14SE471KB0SLAA0							
COIL									
△L601	945 050 2232	LINE FILTER							
△L602	945 050 2232	LINE FILTER							
MISCELLANEOUS									
△F601	323 025 1204	FUSE 250V 8A							
△K601	645 093 1765	SOCKET,INLET AC 3P							

Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description

Electrical Parts List

Key No.	Part No.	Description	Key No.	Part No.	Description

SANYO

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(KV2AC) Apr. / 2011 DC 50

Printed in Japan

SANYO Electric Co., Ltd.

Diagrams & Drawings

Schematic Diagrams Printed Wiring Board Drawings

Model	Chassis No.
PDG-DXL2000E	KV2-DXL2000E00

These schematic diagrams and printed wiring board drawings are part of the service manual original for chassis No. KV2-DXL2000E00 model PDG-DXL2000E.

File with the service manual No. SM5111324-00

Note:

All the information of part numbers and values indicated on these diagrams are at the beginning of production. To improve the performance, there may be some differences to the actual set. When you order the service parts, use service parts code mentioned on the parts list in this service manual.

Parts description and reading in schematic diagram

- The parts specification of resistors, capacitors and coils are expressed in designated code. Please check the parts description by the following code table.
- Some of transistors and diodes are indicated in mark for the substitution of parts name. Please check the parts name by the following code table.
- Voltages and waveforms were taken with a video color bar signal (1Vp-p at 75 ohms terminated) and controls to normal.
- Voltages were taken with a high-impedance digital voltmeter.

Capacitor Reading

Example	2000	K	K	1000	BG
Example	160	E	M	10	

Characteristic
Capacitance value
Excepting electric capacitors, all capacitance values of less than 1 are expressed in μF and more than 1 are in pF.
Tolerance
Type
Rated voltage

● Material table

Mark	Material
E	Electrolytic
P	Electrolytic (non-polarized)
C	Ceramic (temperature compensation)
K	Ceramic
F	Polyester
N	Polypropylene
M	Metallized polypropylene
H	Metallized polyimide
B	Ceramic (semiconductor)
G	Metallized polyestel
Y	Composite film
S	Styrol
T	Tantalum oxide solid electrolytic
U	Organic semiconductive electrolyte
D	Electric double layer electrolytic

● Tolerance table

Mark	Tolerance
A	not specified
B	± 0.1
C	± 0.25
D	± 0.5
F	± 1
G	± 2
E	± 2.5
H	± 3
J	± 5
K	± 10
M	± 20
N	± 30
P	+100 -0
Q	+30 -10
T	+50 -10
U	+75 -10
V	+20 -10
W	+100 -10
X	+40 -20
Y	+150 -10
Z	+80 -20

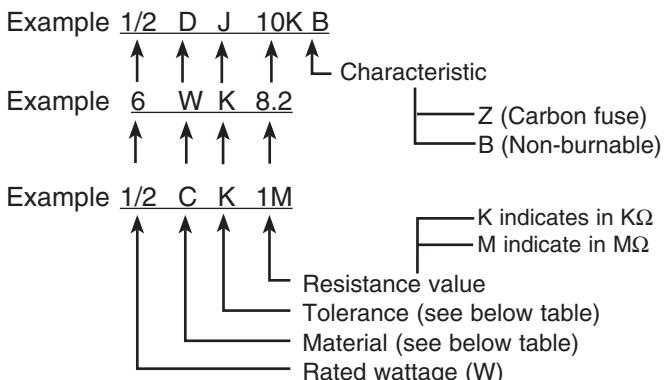
Coil Reading

Example	L2	C1	4R7	K	N

Tolerance
Inductance value
Manufacture code
Unique code

Mark	Tolerance (nH)	Mark	Tolerance (%)
C	± 0.25	G	± 2
D	± 0.5	J	± 5
S	± 0.3	K	± 10
A	± 0.2	L	± 15
		M	± 20

Resistor Reading



Note: Resistor which is indicated with resistance value only are 1/6W carbon resistor. Resistor which is indicated with material, tolerance and value are 1/4W rated wattage.

● Material table

Mark	Material
D	Carbon
N	Metal film
S	Oxide metal film
C	Solid
G	Metal glaze
W	Wire winding or cement
H	Ceramic
F	Fusible

● Tolerance table

Mark	Tolerance
A	± 0.05
B	± 0.1
C	± 0.25
D	± 0.5
F	± 1
G	± 2
J	± 5
K	± 10
M	± 20
P	+5 -15
Z	used in 0 ohm

Diode/Transistor Type Reading

● Diode

Mark	Type number
R	1S2076A.1S2473,1N4148
AA	1S2076A,1S2473,1SS133,1N4148

● Transistor

(1) NPN type

Mark	Type number
--	2SC536
AD	NF, NG
AE	PA, QA, RA

(2) PNP type

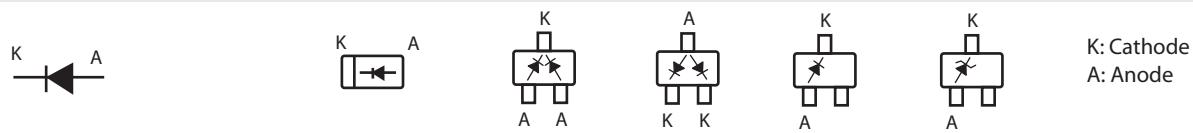
Mark	Type number
--	2SA608
AB	NF
AC	Q, R

(3) Chip type

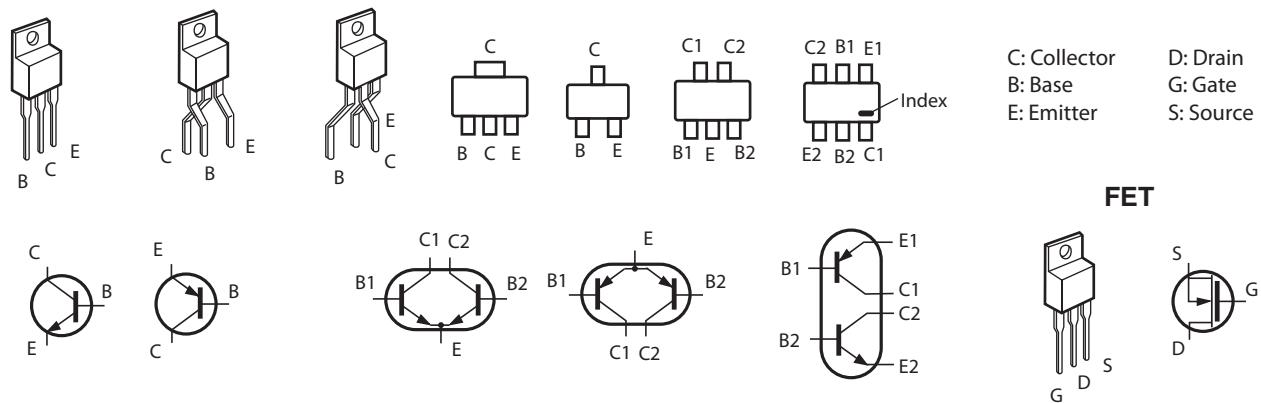
Mark	Type number
--	2SA1179N
AJ	M6, M7
AH	PA, QA, RA

Pin description of diode, transistor and IC

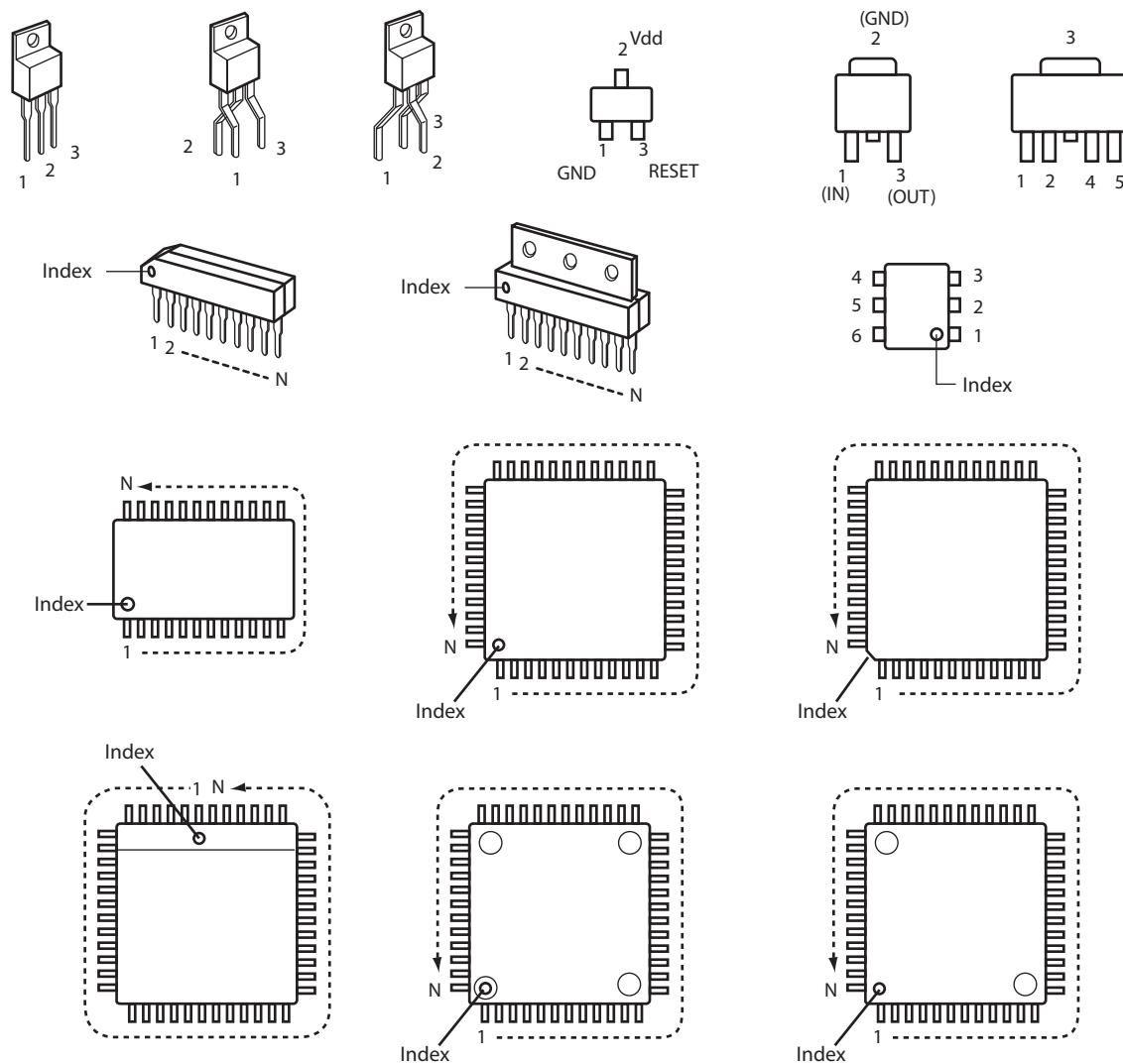
● Diode



● Transistor/FET



● IC



Note on Soldering

Do not use solder containing lead.

This product has been manufactured using lead-free solder in order to help preserve the environment.

Because of this, be sure to use lead-free solder when carrying out repair work, and never use solder containing lead.

Lead-free solder has a melting point that is 30–40 °C (86–104 °F) higher than solder containing lead, and moreover it does not contain lead which attaches easily to other metals. As a result, it does not melt as easily as solder containing lead, and soldering will be more difficult even if the temperature of the soldering iron is increased.

The extra difficulty in soldering means that soldering time will increase and damage to the components or the circuit board may easily occur.

Because of this, you should use a soldering iron and solder that satisfy the following conditions when carrying out repair work. Also, soldering work must be done in a short time.

Soldering iron

Use a soldering iron which is 70 W or equivalent, and which lets you adjust the tip temperature up to 450 °C (842 °F). It should also have as good temperature recovery characteristics as possible.

Solder

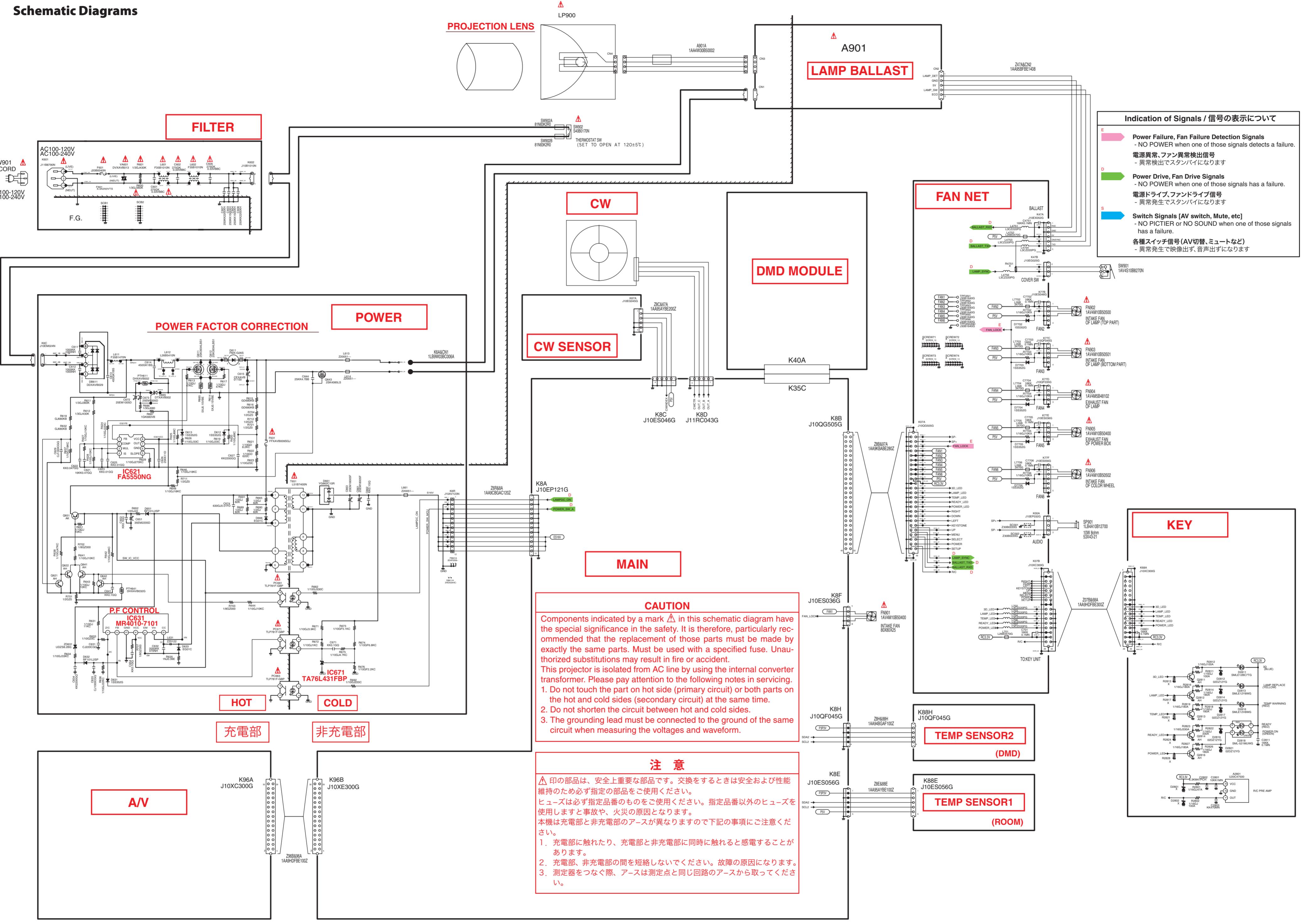
Use solder with the metal content and composition ratio by weight given in the table below. Do not use solders which do not meet these conditions.

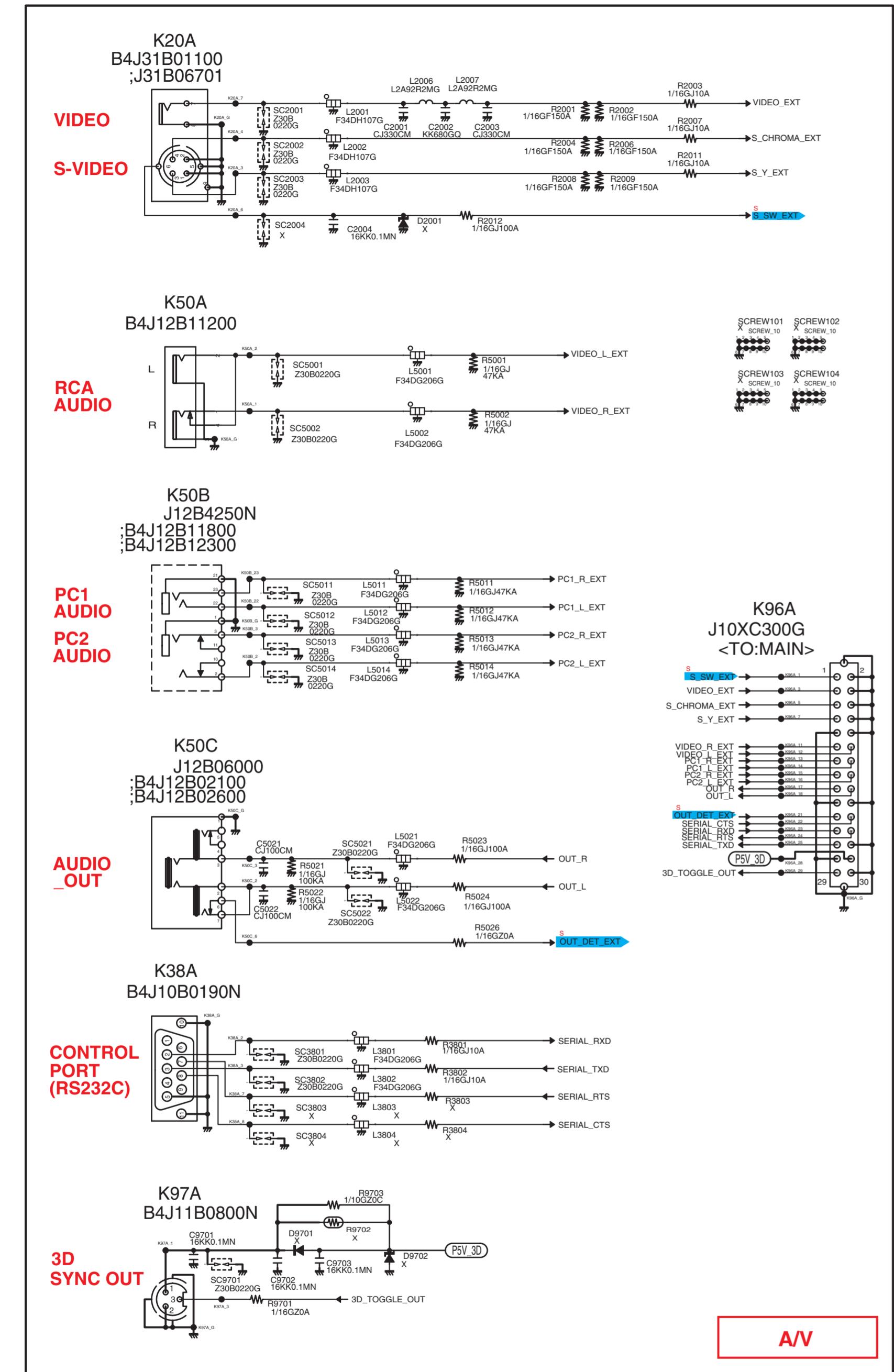
Metal content	Tin (Sn)	Silver (Ag)	Copper (Cu)
Composition ratio by weight	96.5 %	3.0 %	0.5 %

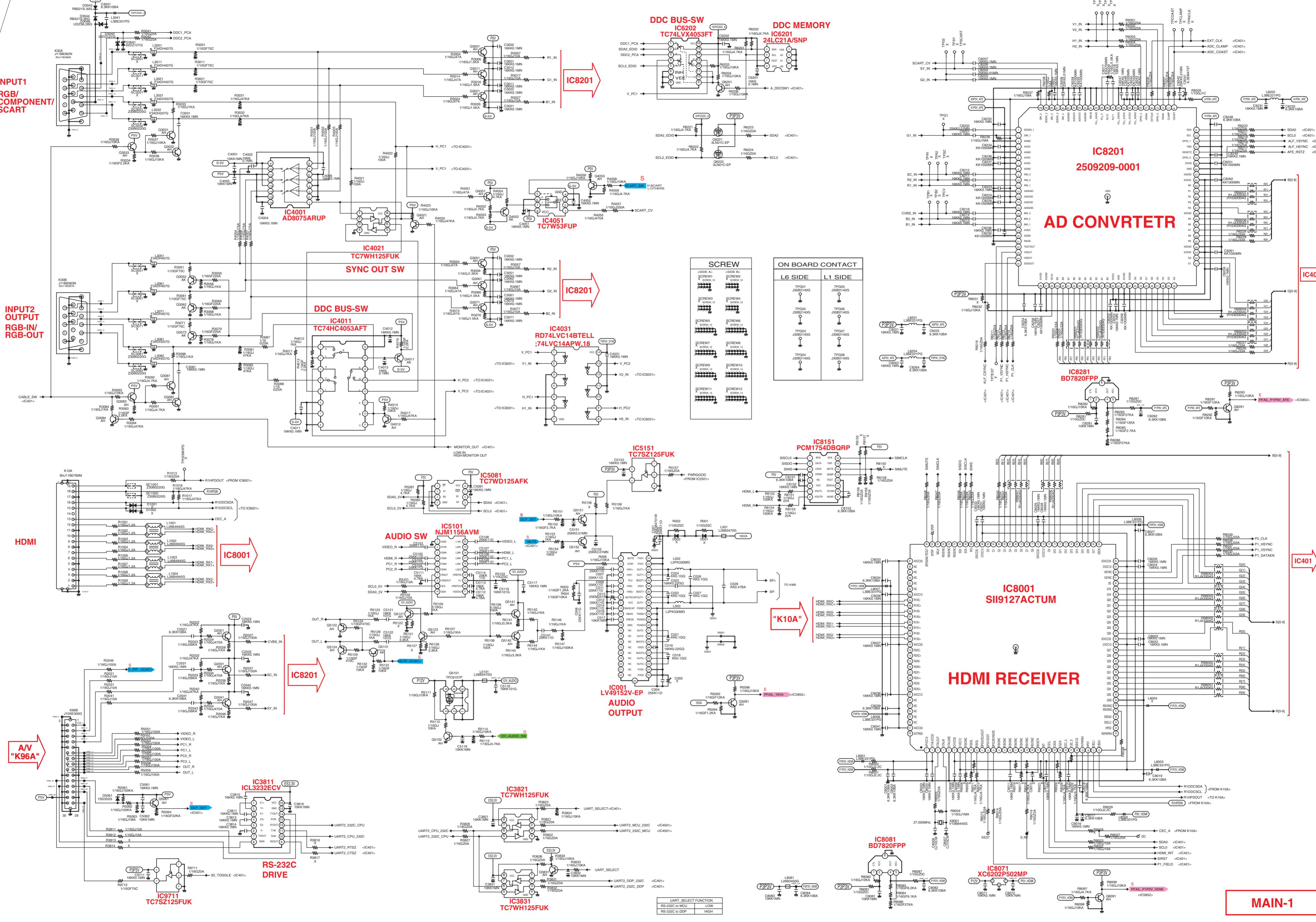
Note:

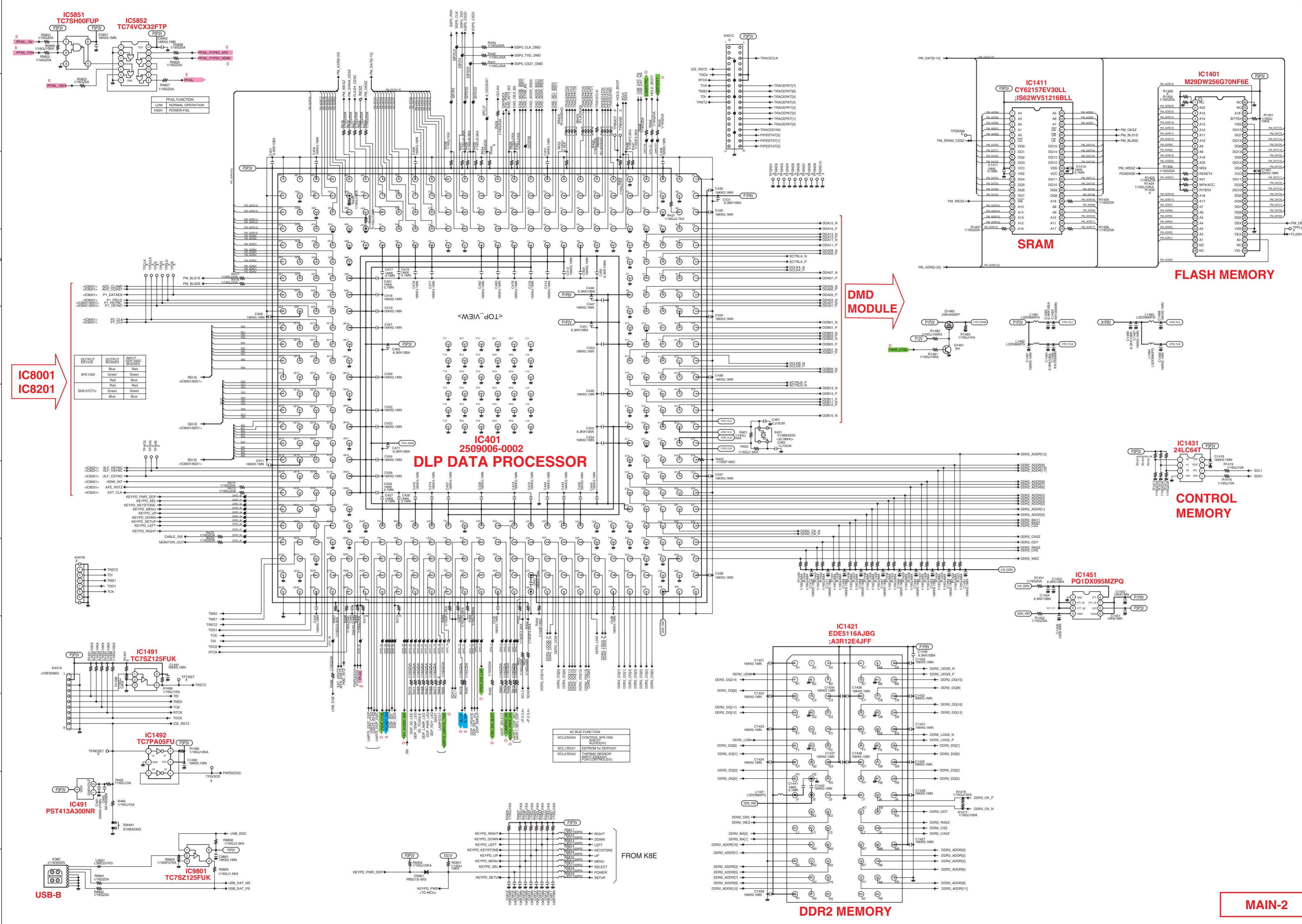
If replacing existing solder containing lead with lead-free solder in the soldered parts of products that have been manufactured up until now, remove all of the existing solder at those parts before applying the lead-free solder.

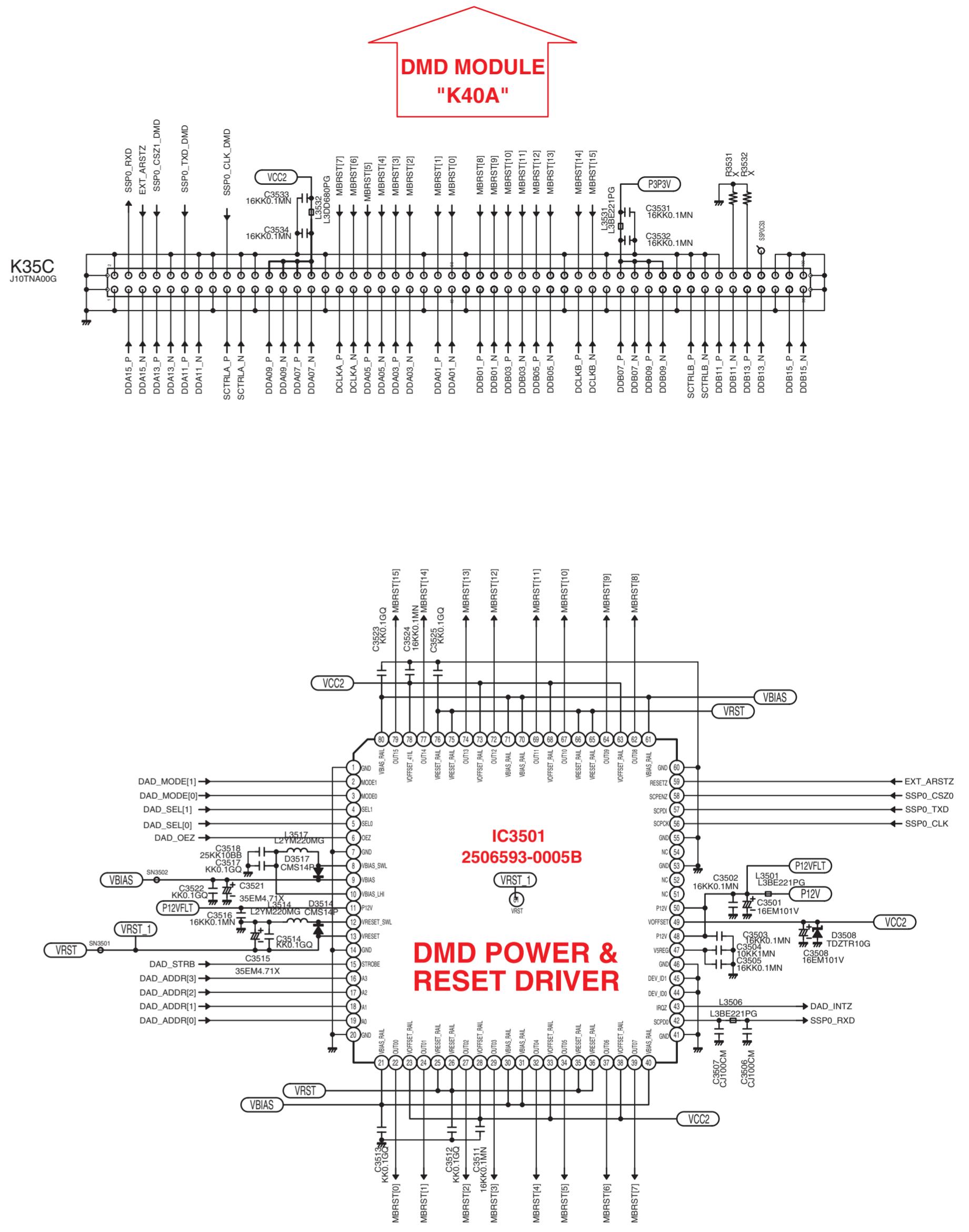
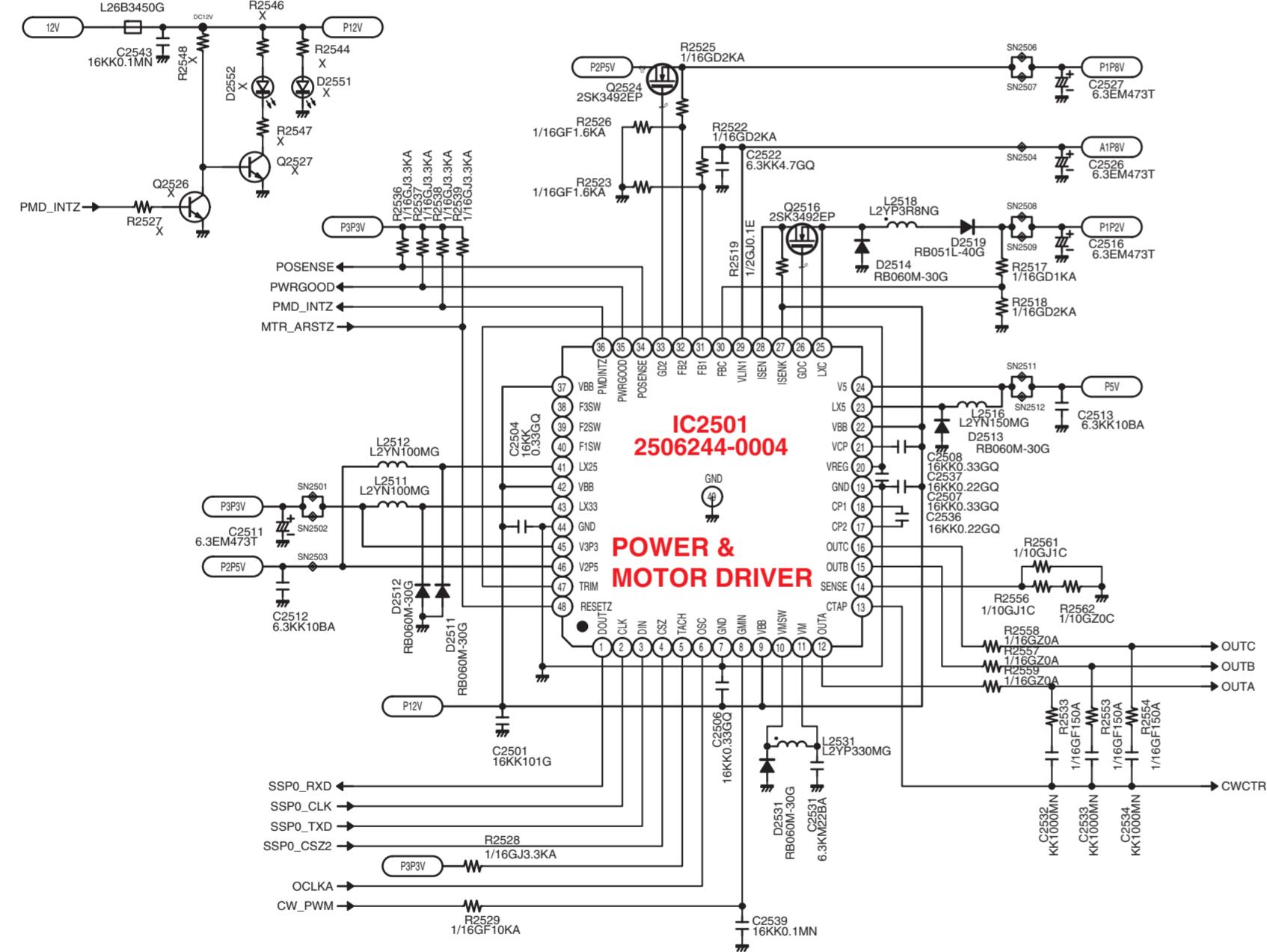
Schematic Diagrams



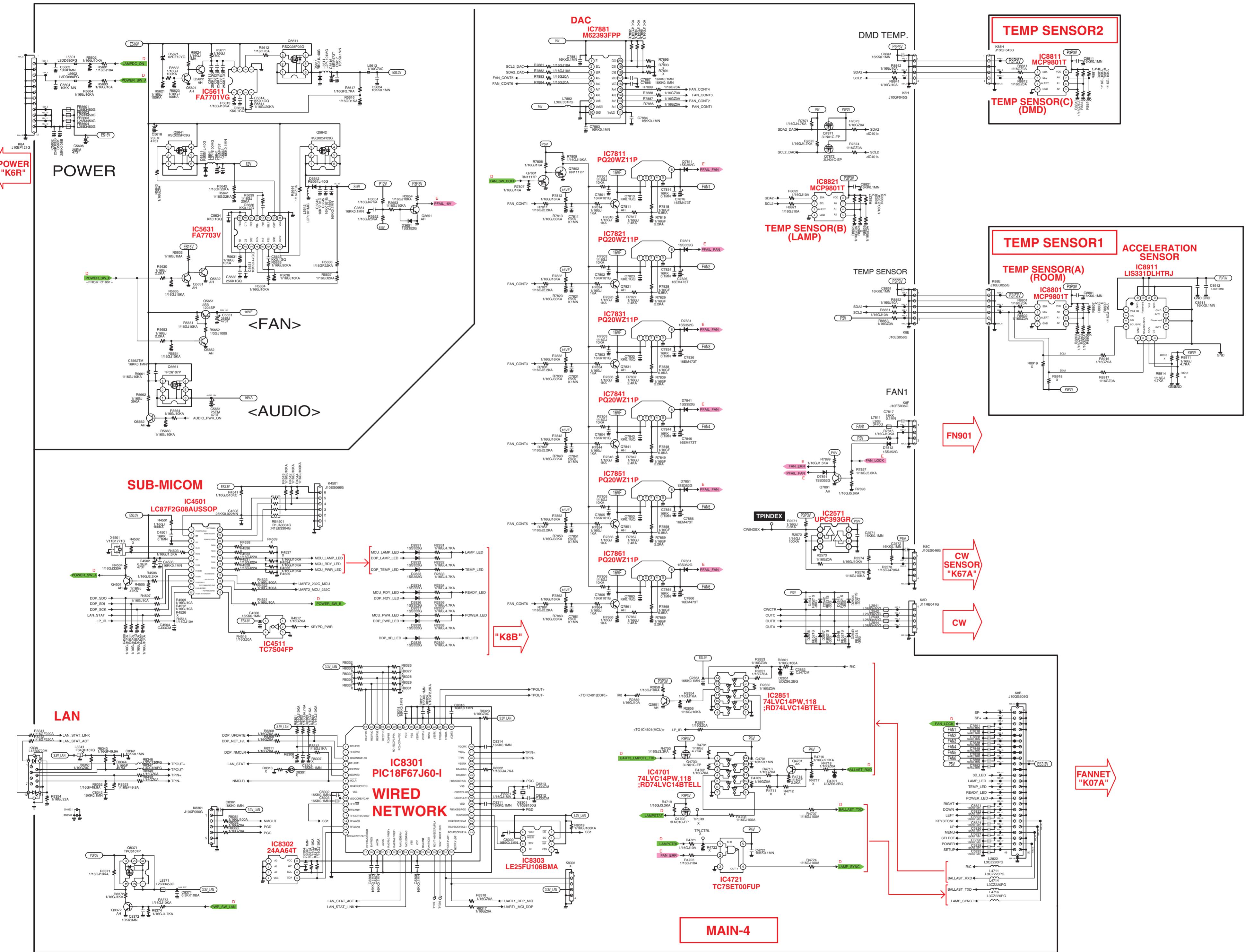






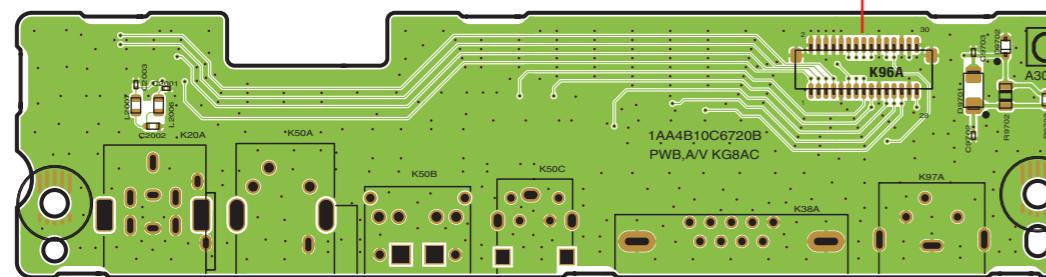


MAIN-3



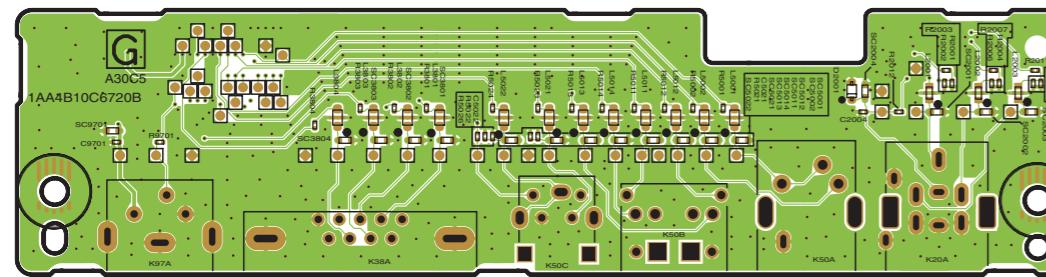
Printed Wiring Board Diagrams

A/V (SIDE:A)

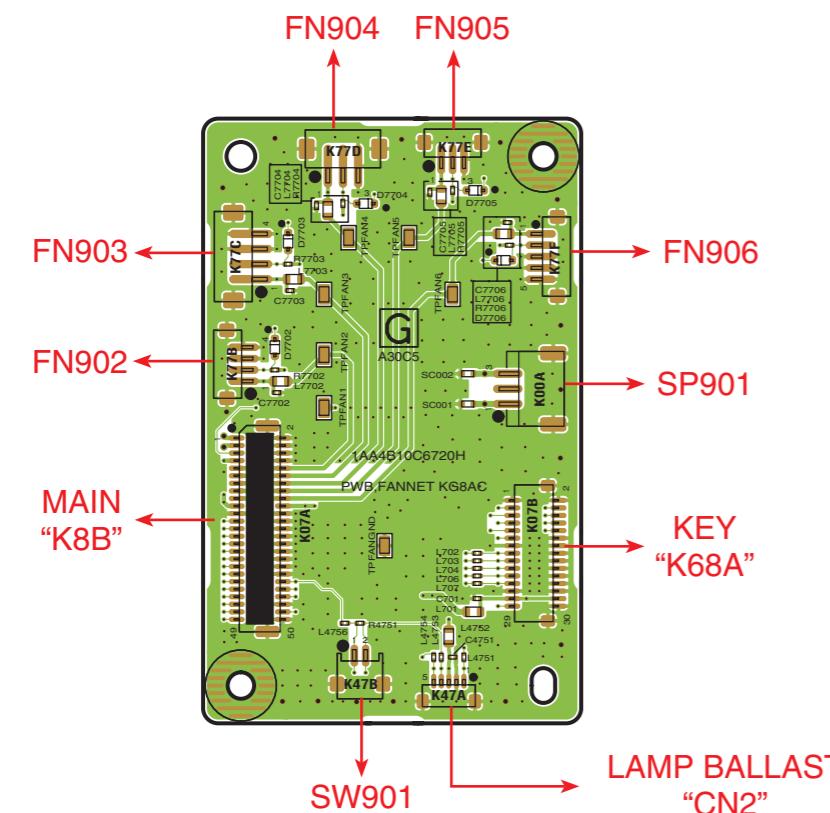


MAIN
"K96B"

A/V (SIDE:B)



FAN NET (SIDE:A)



FN904 FN905

FN903

FN902

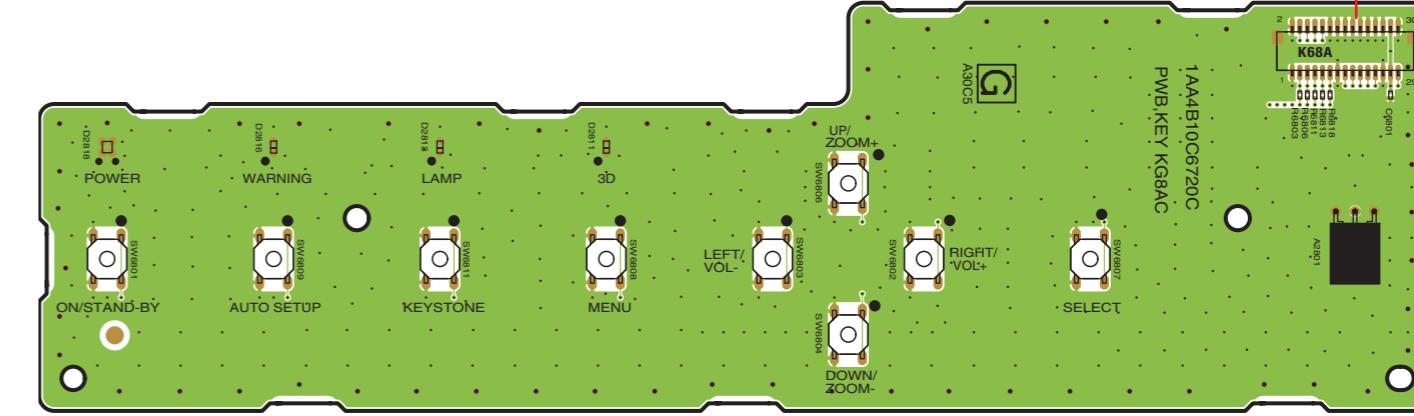
MAIN
"K8B"

FN906
SP901

KEY
"K68A"

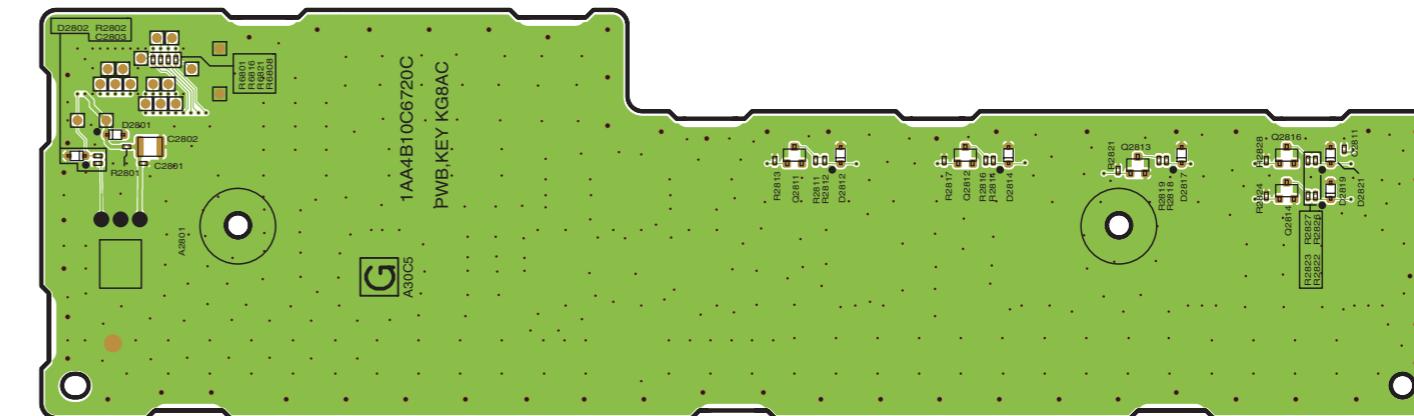
LAMP BALLAST
"CN2"

KEY (SIDE:A)

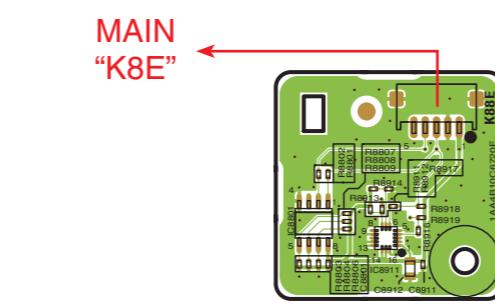


FAN NET
"K07B"

KEY (SIDE:B)

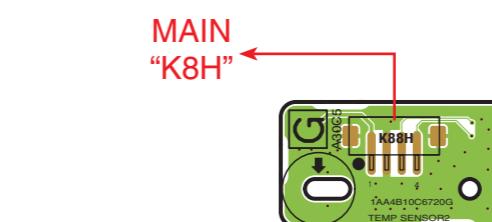


TEMP SENSOR1 (SIDE:A)



MAIN
"K8E"

TEMP SENSOR2 (SIDE:A)



MAIN
"K8H"

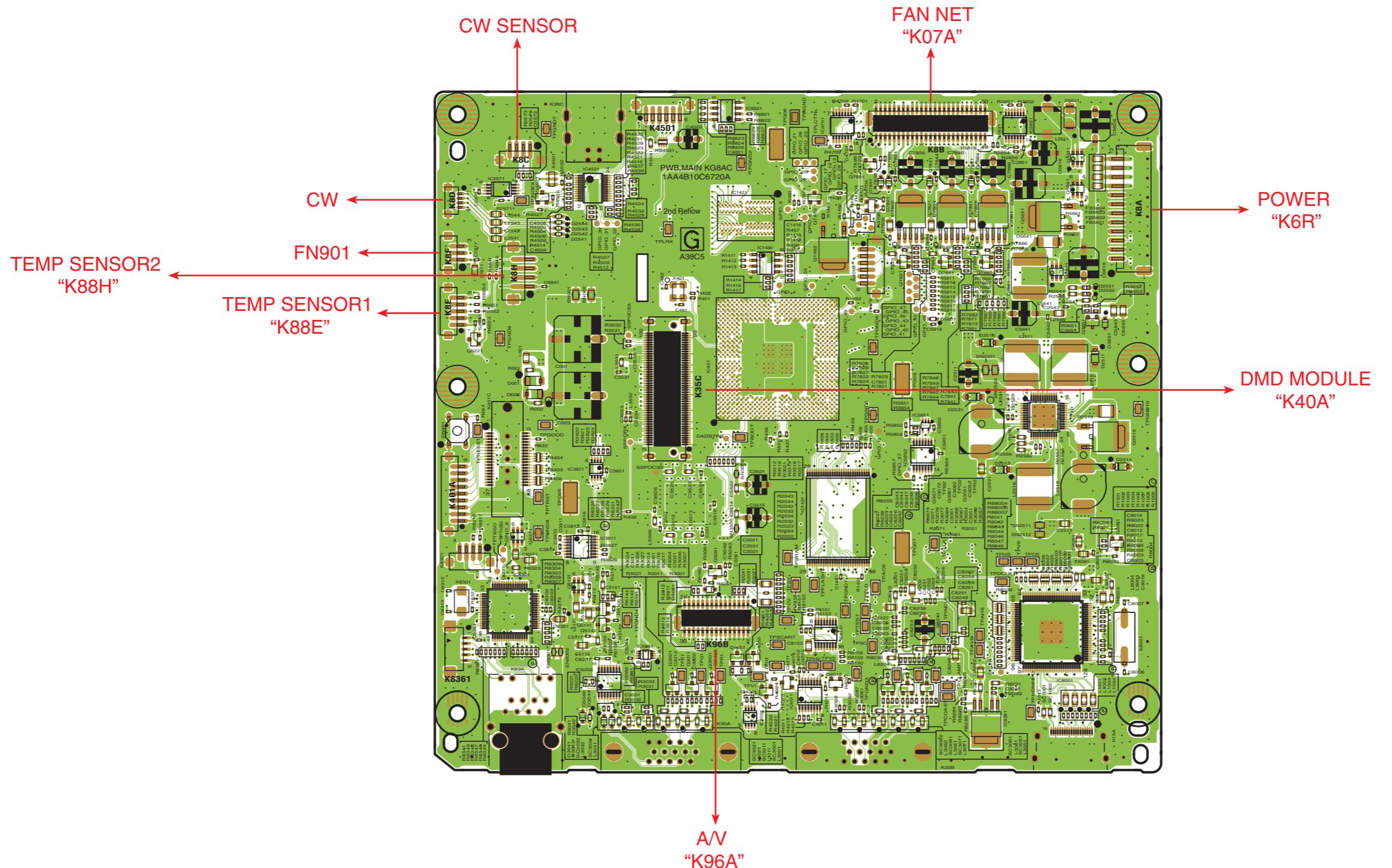
TEMP SENSOR2 (SIDE:B)



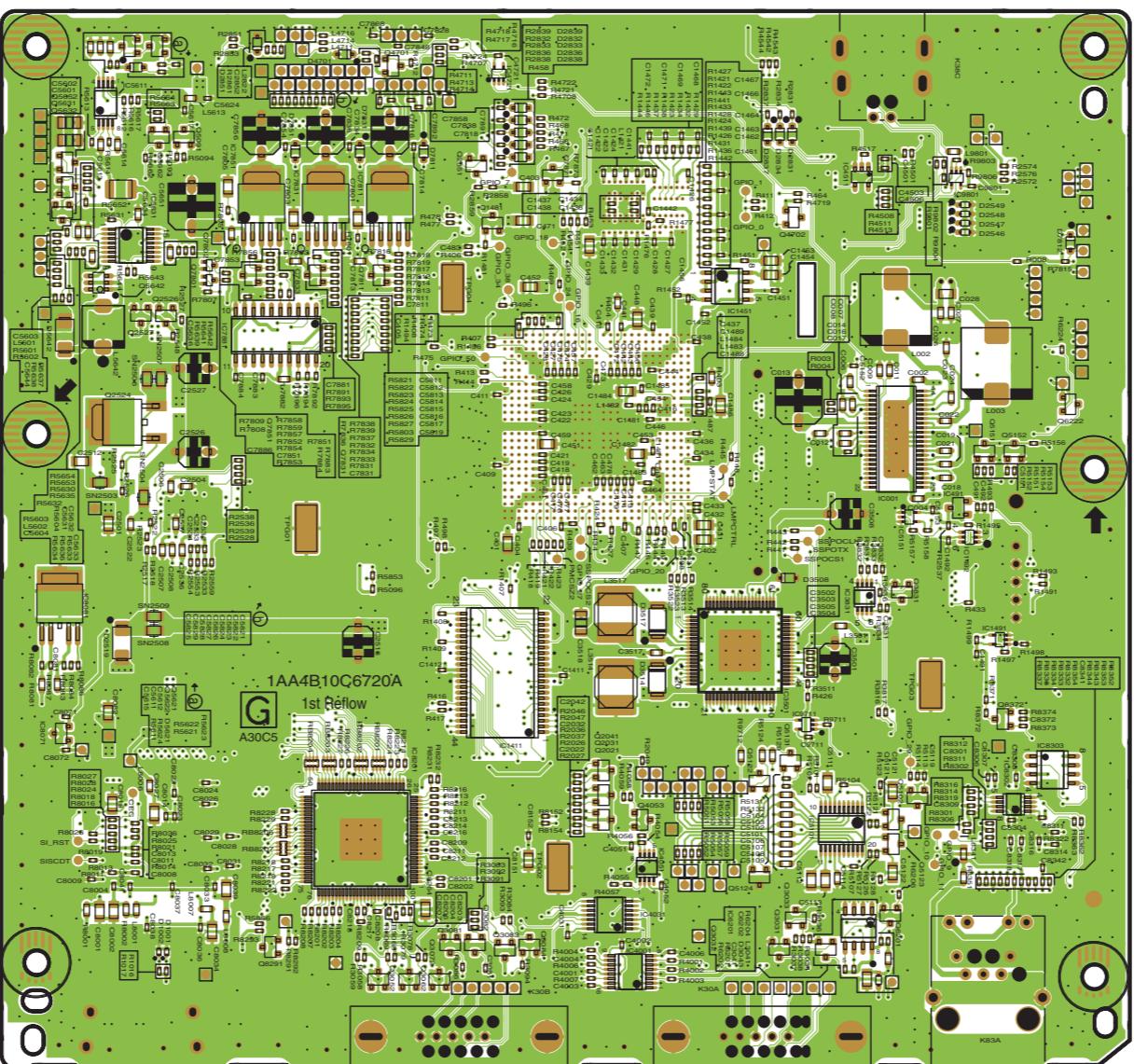
CAUTION

- This projector is isolated from AC line by using the internal converter transformer.
Please pay attention to the following notes in servicing
1. Do not touch the part on hot side (primary circuit) or both parts on hot and cold sides (secondary circuit) at the same time.
 2. Do not shorten the circuit between hot and cold sides.
 3. The grounding lead must be connected to the ground of the same circuit when measuring of voltages and waveforms.

MAIN (SIDE:A)



MAIN (SIDE:B)



POWER (SIDE:A)

