SANYO

FILE NO.

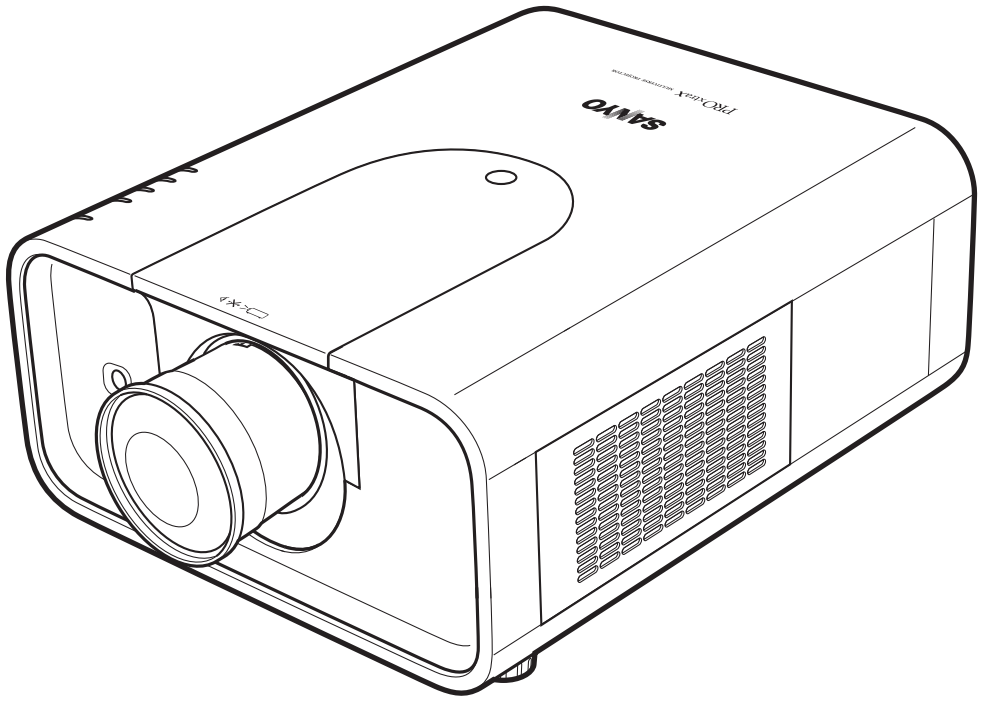
SERVICE MANUAL

Multimedia Projector

Model No. PLC-XP100L

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

Original Version



** Projection lens is optional.*

Chassis No. KC3-XP100L00

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

PRODUCT CODE
1 122 380 20 (KC3AL)
1 122 381 20 (LC3AL)
1 122 381 22 (LC3CL)

REFERENCE NO. SM5110873-00

Contents

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 there 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)	14.56" x 7.36" x 17.32" (370 mm x 187 mm x 440 mm) (Not including raised portions)
Net Weight	25.8 lbs (11.7 kg)
Feet Adjustment	0˚ to 6.5˚

Panel Resolution

LCD Panel System	1.3" TFT Active Matrix type, 3 panels
Panel Resolution	1,024 x 768 dots
Number of Pixels	2,359,296 (1,024 x 768 x 3 panels)

Signal Compatibility

Color System	PAL, SECAM, NTSC, NTSC4.43, PAL-M, and PAL-N
High Definition TV Signal	480i, 480p, 575i, 575p, 720p, 1035i, and 1080i
Scanning Frequency	H-sync. 15 kHz–100 kHz, V-sync. 50 Hz–100 Hz

Optical Information

Projection Lamp	330 W NSH lamp

Interface

Input 1	Digital (DVI-D) x 1, Analog (Mini D-sub 15 pin) x 1
Monitor Out	Analog RGB (Mini D-sub 15 pin) Terminal x 1
Input 2	BNC Type x 5 (G or Video/Y, B or Cb-Pb, R or Cr-Pr, HV and V)
Input 3	RCA Type x 1, Mini DIN 4 pin x 1
R/C Jack	Mini Type (Wired Remote) x 1
Control Port	Mini DIN 9 pin x 1
USB Connector	USB Series B x 1
Option	Network Terminal x 1

Power

Voltage and Power Consumption	AC 100–120 V (4.6A Max. Ampere), 50/60 Hz (The U.S.A and Canada)
	AC 200–240 V (2.3A Max. Ampere), 50/60 Hz (Continental Europe and The U.K.)

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 Type x 2
Operating Range	16.4' (5 m/±30˚)
Dimensions	1.8" (W) x 1.0" (H) x 5.7" (D) (45 mm x 25 mm x 145 mm)
Net Weight	3.5 oz (99 g) (including batteries)

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

c UL US LISTED

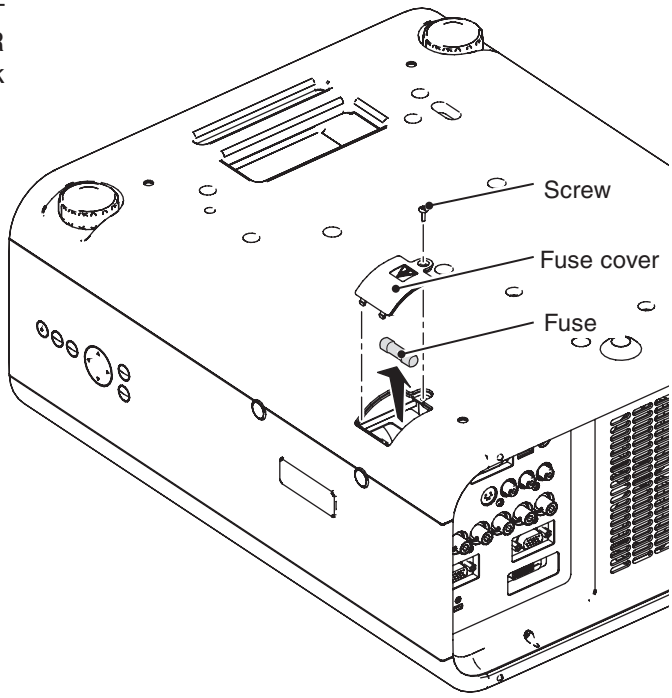
This symbol on the nameplate means the product is Listed by Underwriters Laboratories Inc. It is designed and manufactured to meet rigid U.L. safety standards against risk of fire, casualty and electrical hazards.

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.

Fuse

A fuse is located inside of the projector. When the POWER indicator is not lightning, the fuse may be opened. Check the fuse as following steps.
The fuse should be used with the following type;



Fuse Part No. : 323 027 2605
TYPE T10AH 250V
LITTEL FUSE INC. TYPE 215010

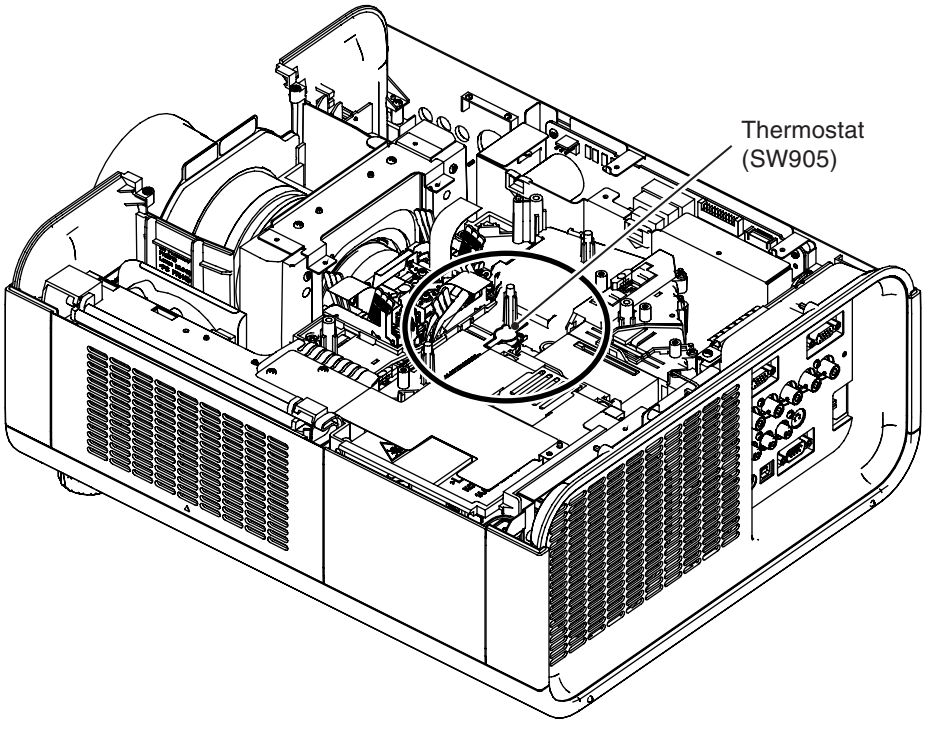
How to replace the fuse

1. Turn the projector up and down.
2. Remove 1 screw and take the fuse cover off.
3. Remove the fuse from fuse holder on the power board.

To install the fuse, take reversed step in the above.

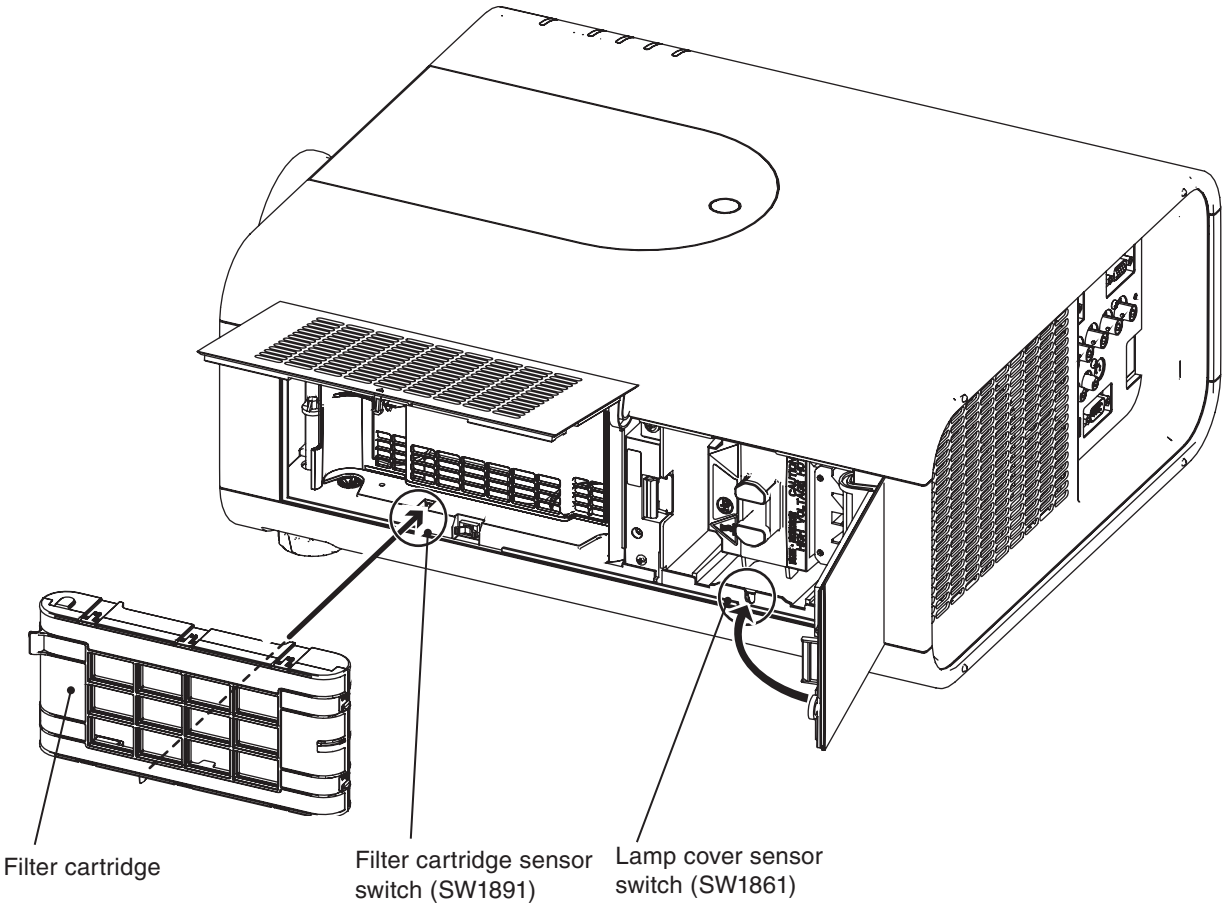
Thermostat (SW905)

There is the thermostat switch (SW905) inside of the projector to detect the internal temperature rising abnormally. When the internal temperature reaches near 90˚C, the thermostat opens to stop the operation of the power supply circuit.
The thermostat will automatically return to normal condition when the internal temperature becomes normal (about 50˚C).



Mechanical sensor switches (SW1891,SW1861)

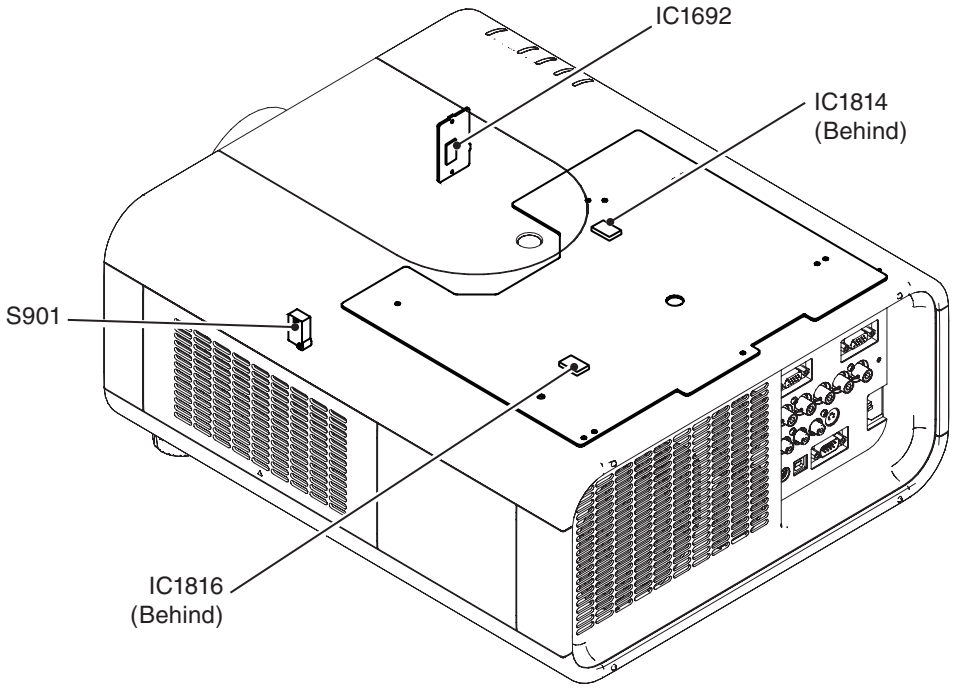
This projector provides 2 mechanical sensor switches, the one is for filter cartridge sensor switch (SW1891) and the other one is for lamp cover sensor switch (SW1861). The filter cartridge sensor switch detects whether the filter cartridge is installed correctly. If the filter cartridge is not installed correctly, the projector cannot turn on.
The lamp cover sensor switch detects whether the lamp cover is closed securely. If lamp cover is opened or not closed completely, the drive signal to the lamp circuit is cut off. After opening the lamp cover for replacing the lamp ass'y, place the lamp cover correctly otherwise the projector cannot turn on.



Temperature sensors, wind sensors

The projector provides 3 temperature sensor ICs, 2 sensors on the Main board and 1 sensor on the RC front board, and 1 wind sensor on the intake duct. The sensor ICs monitor surrounding temperature of the lamp house and panels/prism, and room temperature, and the wind sensor monitors airflow passed through the air filter in the intake duct.

- Internal temperature sensor A (IC1816) (around the lamp house)
- Internal temperature sensor B (IC1814) (around the panels/prism)
- Room temperature sensor C (IC1692) (around the front cabinet)
- Wind sensor D (S901) (intake duct)



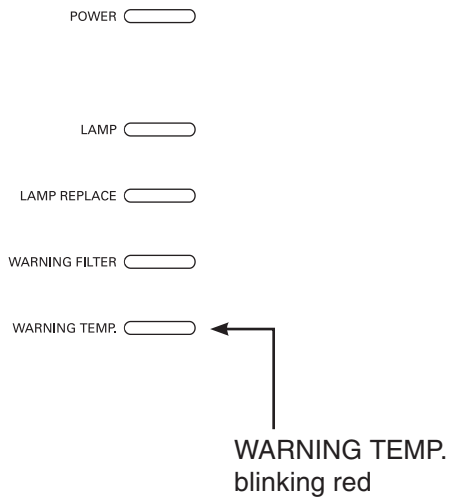
The projector is shut down and the WARNING TEMP. indicator is blinking red.

When the temperature inside the projector reaches a certain level, the projector will be automatically shut down to protect the inside of the projector. The POWER indicator is blinking while the projector is being cooled down. When the projector has cooled down enough (to its normal operating temperature), it can be turned on again by pressing the ON/STAND-BY button.

✔***Note:***

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

LED indicators



Power failure and fan lock detection

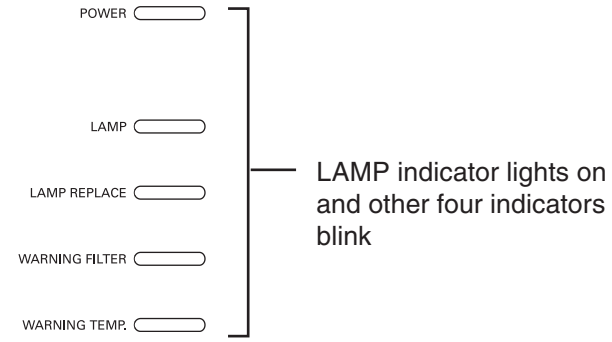
The projector provides the detection circuits of the power failure and the fan lock. When the detection circuit detects an error at the power supply line or at the fan operation circuit, the projector will turn into the standby mode to protect the other circuits defective.

The projector is shut down; and the LAMP indicator is lighting and other four indicators are blinking.

When the projector detects an abnormal condition, it will be automatically shut down to protect the inside of the projector and all five indicators on the top panel blink. In this case, unplug the AC power cord and plug it, and then turn on the projector once again to verify operation. If the projector cannot be turned on and these indicators are still blinking, unplug the AC power cord.

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

LED indicators



Maintenance

Replacing the Filter Cartridge

Filter prevents dust from accumulating on the optical elements inside the projector. Should the filter becomes 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. This projector has an electrically operated filter which helps you to replace the filter easily. The projector monitors the condition of the filter at all time and replaces a filter with a new one automatically when it detects the clogging.
If the projector detects that the filter is clogged and no scroll is left in the filter cartridge, a Filter cartridge replacement icon appears on the screen and the WARNING FILTER indicator on the top panel lights up. When you see this icon, replace the filter cartridge and reset the Filter counter and the Scroll counter.

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.

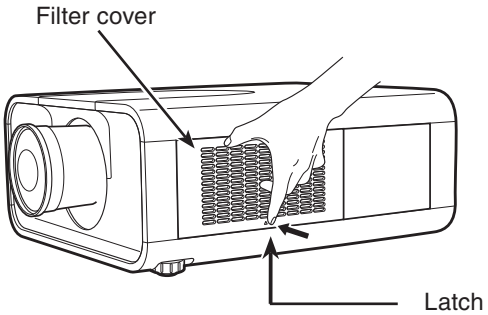
3 Press ▼ on the filter cover to release the latch and open the filter cover.

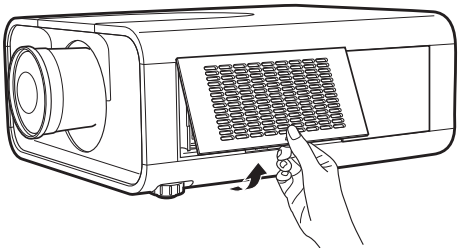
4 Pull out the filter cartridge. When taking out the filter cartridge, put your finger on the filter cartridge's tab and then pull.

5 Put the new one back into the position and close the filter cover. Make sure that the filter cartridge is properly and fully inserted.

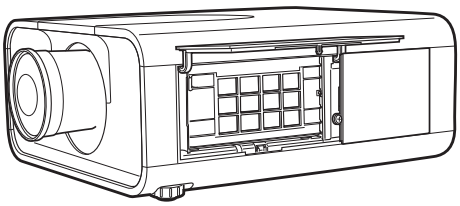
6 Connect the AC power cord to the projector and turn on the projector.

7 **Reset the filter counter and the scroll counter**.



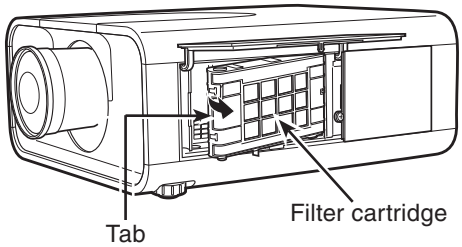


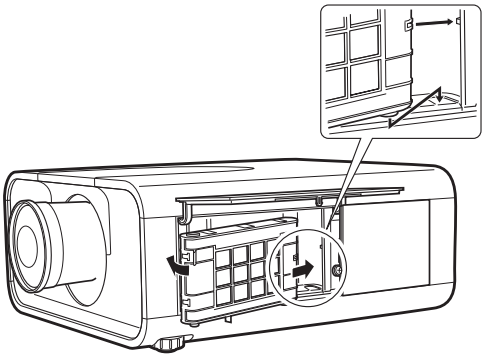
CAUTION
Do not operate the projector with the filter removed. Dust may accumulate on the optical elements degrading the picture quality.
Do not put anything into the air vents. Doing so may result in malfunction of the projector.



RECOMMENDATION
We recommend avoiding dusty/smoky environments when operating the projector. Usage in these environments may cause a poor image quality.

When using the projector under dusty or smoky conditions, dust may accumulate on a lens, liquid crystal panels, or optical elements inside the projector. Such condition may degrade the quality of the projected image.
When the symptoms above are noticed, contact your authorized dealer or service station for proper cleaning.





ORDER REPLACEMENT FILTER CARTRIDGE

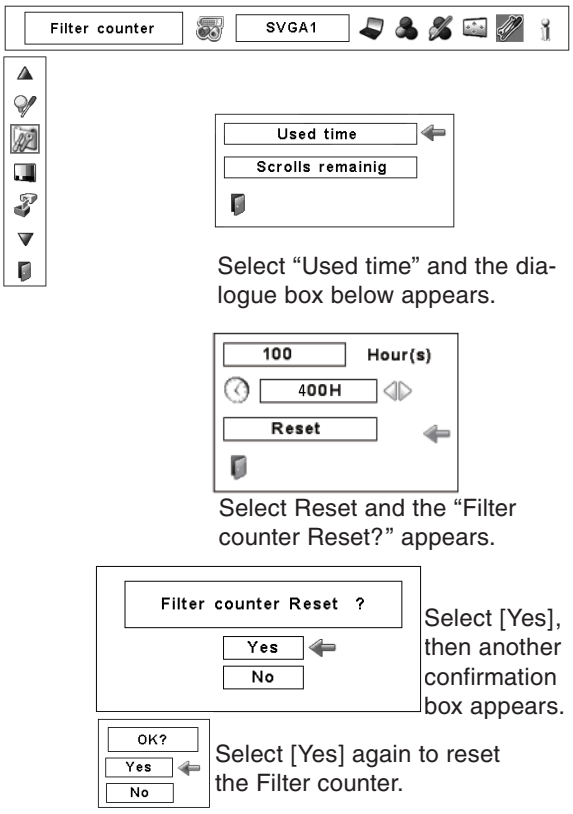
Service Parts No.: 610 334 3747

Resetting the Filter Counter

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

1. Press the MENU button to display the On-Screen Menu. Use the Point ◀▶ buttons to move the red frame pointer to the Setting Menu icon.
2. Use the Point ▲▼ buttons to move the red frame pointer to Filter counter and then press the SELECT button. A dialog box appears showing the Used time option and the Scrolls remaining option. Use the Point ▲▼ buttons to select Used time.
3. Used time shows the total accumulated time of the filter use, a timer setting option, and the Reset option. Select Reset and the “Filter counter Reset?” appears. Select [Yes] to continue.
4. Another confirmation dialog box appears, select [Yes] to reset the Filter counter.

Filter counter

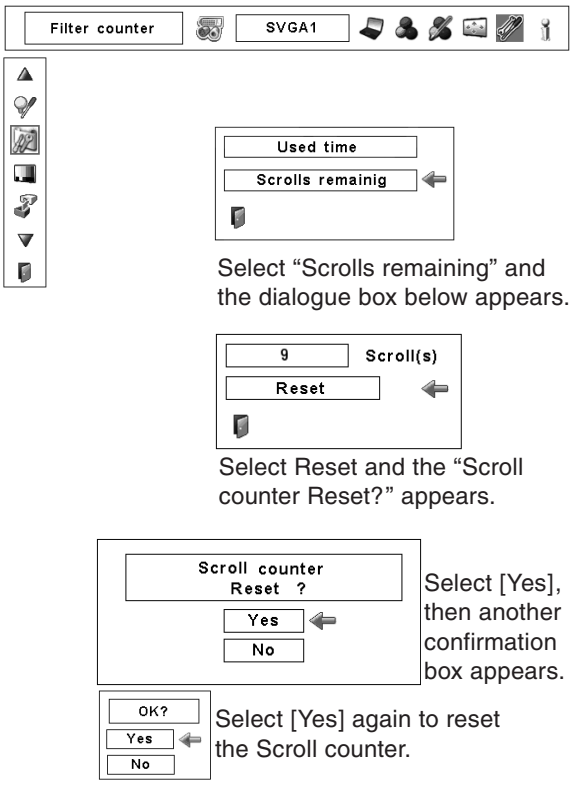


Resetting the Scroll Counter

Be sure to reset the Scroll counter after replacing the filter cartridge.

1. Press the MENU button to display the On-Screen Menu. Use the Point ◀▶ buttons to move the red frame pointer to the Setting Menu icon.
2. Use the Point ▲▼ buttons to move the red frame pointer to Filter counter and then press the SELECT button. A dialog box appears showing the Used time option and the Scrolls remaining option. Use the Point ▲▼ buttons to select Scroll(s) remaining.
3. Scroll(s) remaining shows the number of the remaining scrolls and the Reset option. Select Reset and the “Scroll counter Reset?” appears. Select [Yes] to continue.
4. Another confirmation dialog box appears, select [Yes] to reset the Scroll counter.

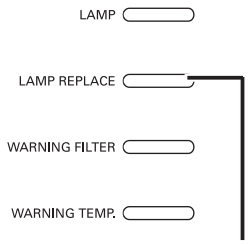
Scroll counter



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 orange. Replace the lamp with a new one promptly. The timing when the LAMP REPLACE indicator should light is depending on the lamp mode.

Top Panel



LAMP REPLACE indicator

Lamp replacement icon

Follow these steps to replace the lamp.

1 Turn off the projector and unplug the AC power cord. Let the projector to cool for at least 45 minutes.

2 Open the filter cover.

3 Loosen the screw and open the lamp cover and pull out the lamp by using the built in handle.

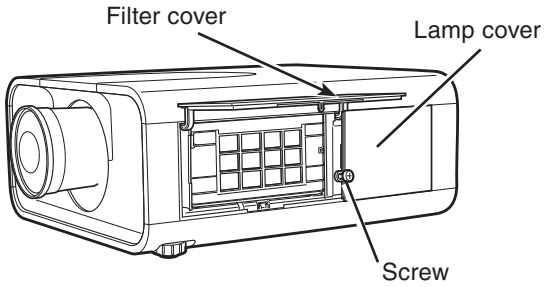
4 Replace the lamp with a new one. Make sure that the lamp is properly and fully inserted.

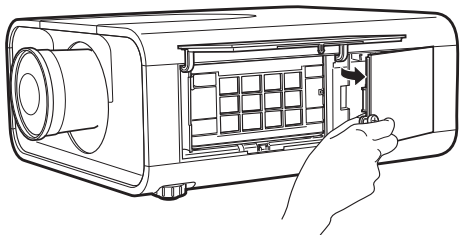
5 Close the lamp cover and secure the screw, and close the filter cover.

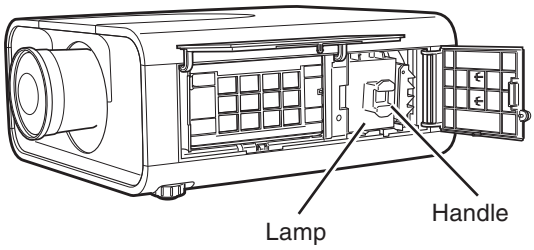
6 Connect the AC power cord to the projector and turn on the projector.

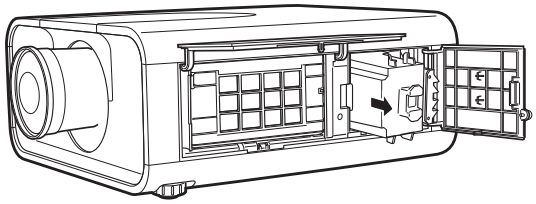
7 **Reset the Lamp replacement counter**

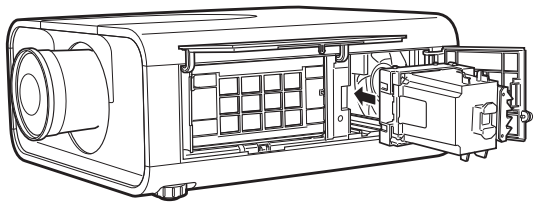
Note:
- Be sure to insert the lamp in the correct direction.
- Do not reset the Lamp replacement counter when the projection lamp is not replaced.











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 the lamp or touch the glass bulb! The glass can shatter and may cause injury.

ORDER REPLACEMENT LAMP

Type No.	**POA-LMP108**
Service Parts No.	**610 334 2788**

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 move the red frame pointer to the Setting Menu icon

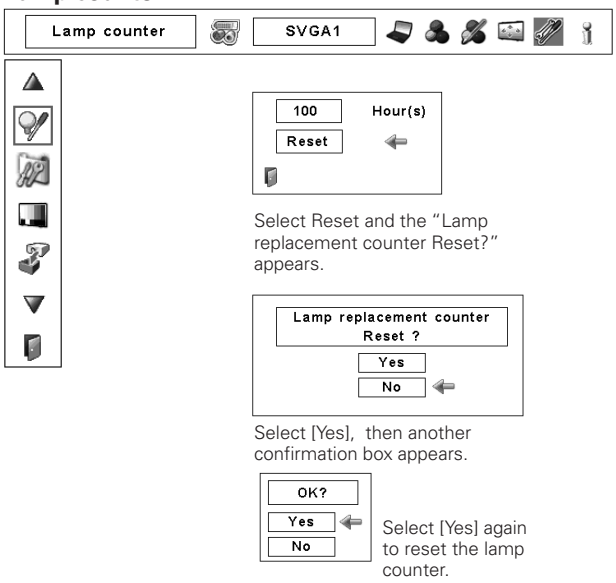
2 Use the Point ed buttons to move the red frame pointer to Lamp counter and then press the SELECT button. A dialog box appears showing the total accumulated time of the lamp usage and the reset option. Select Reset and the "Lamp replacement counter Reset?" appears. Select [Yes] to continue.

3 Another confirmation dialog box appears and select [Yes] to reset the Lamp replacement counter.

Note:

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

Lamp counter



Select Reset and the "Lamp replacement counter Reset?" appears.

Select [Yes], then another confirmation box appears.

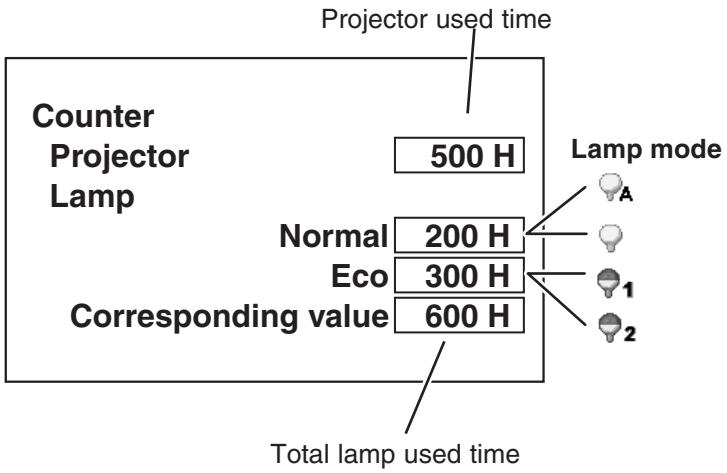
Select [Yes] again to reset the lamp counter.

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* x 1.5)

T*eco*: used time in the Eco mode
T*normal* : used time in the Normal mode

You can check the lamp used time following to the below procedure.
1 Press and hold the **ON/STAND-BY** button on the projector for more than 20 seconds.
2 The projector used time and lamp used time will be displayed on the screen briefly as follows.



Cleaning

After long periods of use, dust and other particles will accumulate on the LCD panel, prism, mirror, polarized glass, lens, etc., causing the picture to darken or color to blur. If this occurs, clean the inside of optical unit.

Remove dust and other particles using air spray. If dirt cannot be removed by air spray, disassemble and clean the optical unit.

Cleaning with air spray

1. Remove the cabinet top following to “Mechanical Disassembly”.
2. Clean up the LCD panel and polarizing plate by using the air spray from the cabinet top opening.

Caution:
Use a commercial (inert gas) air spray designed for cleaning camera and computer equipment. Use a resin-based nozzle only. Be vary careful not to damage optical parts with the nozzle tip. Never use any kind of cleanser on the unit. Also, never use abrasive materials on the unit as this may cause irreparable damage.

Disassembly Cleaning

Disassembly cleaning method should only be performed when the unit is considerable dirty and cannot be sufficiently cleaned by air spraying alone.
Be sure to readjust the optical system after performing disassembly cleaning.

1. Remove the cabinet top and main units following to “Mechanical Disassembly”.
2. Remove the optical base top following to “Optical Unit Disassembly”. If the LCD panel needs cleaning, remove the LCD panel unit following to “LCD panel replacement”.
3. Clean the optical parts with a soft cloth. Clean extremely dirty areas using a cloth moistened with alcohol.

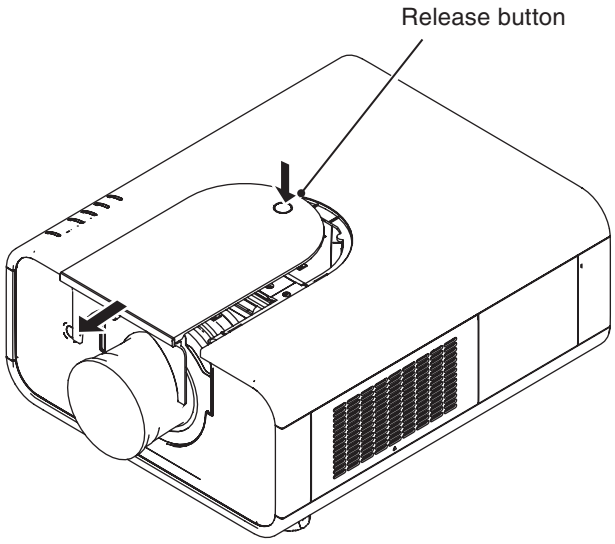
Caution:
The surface of the optical components consists of multiple dielectric layers with varying degrees of refraction. Never use organic solvents (thinner, etc.) or any kind of cleanser on these components.
Since the LCD panel is equipped with an electronic circuit, never use any liquids (water, etc.) to clean the unit. Use of liquid may cause the unit to malfunction.

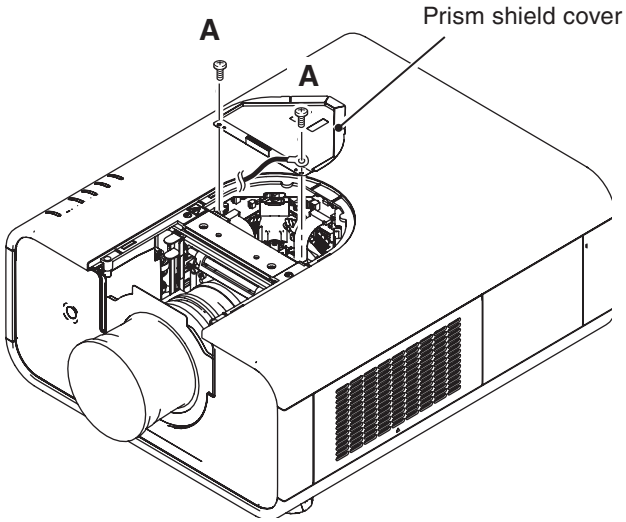
Quick maintenance

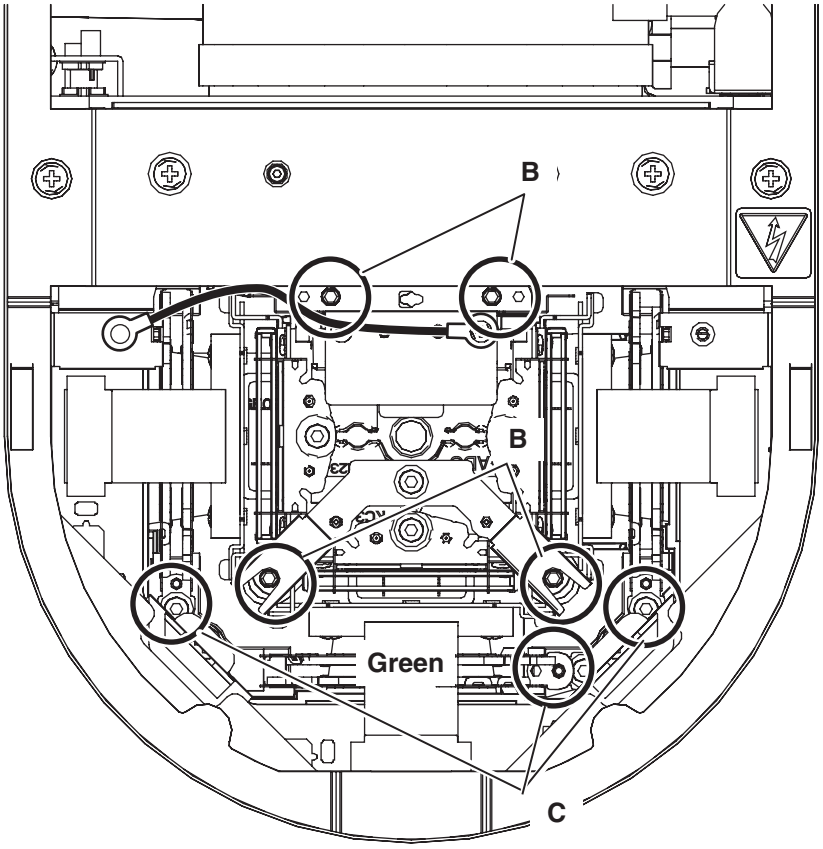
This projector provides a cabinet front cover on the cabinet top to enhance the service maintenance. This enables service personnel to align the optical adjustment or replace the optical parts without disassembly the cabinet top.

1. Press and hold the release button the cabinet front cover and slide the cover frontward to take it off.
2. Remove 2 screws A on the prism shield cover and take prism shield cover off.
3. Loosen 4 screws B and take the LCD Panel/Prism ass'y upward off.
4. Remove 1 screw C on each stopper of the optical filter ass'y and take the optical filter ass'y upward off.

See chapter "Optical Parts Disassembly" for further information of optical parts disassembly.







Security Function Notice

This projector provides security functions such as "Key lock", "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
Key lock	Locks operation of the side control or the remote control. If the Key lock is enabled with side control lock, the projector can no longer be started. *Initial setting: Key lock function is disabled*
PIN code lock	Prevents the projector from being operated by an unauthorized person. *Initial code: "1234"*
Logo PIN code lock	Prevents an unauthorized person for changing the start-up logo on the screen. *Initial code: "4321"*

Resetting procedure

1 Disconnect the AC power cord from the AC outlet.

2 As pressing the **SELECT** button on the projector, connect the AC power cord into an AC outlet again. Keep pressing the **SELECT** button until the POWER indicator lights continuously.

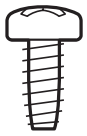
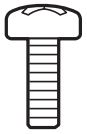
This is complete the resetting of the security function. The PIN code lock and Logo PIN code lock are reset as the initial PIN code at the factory and the Key lock function is disabled.

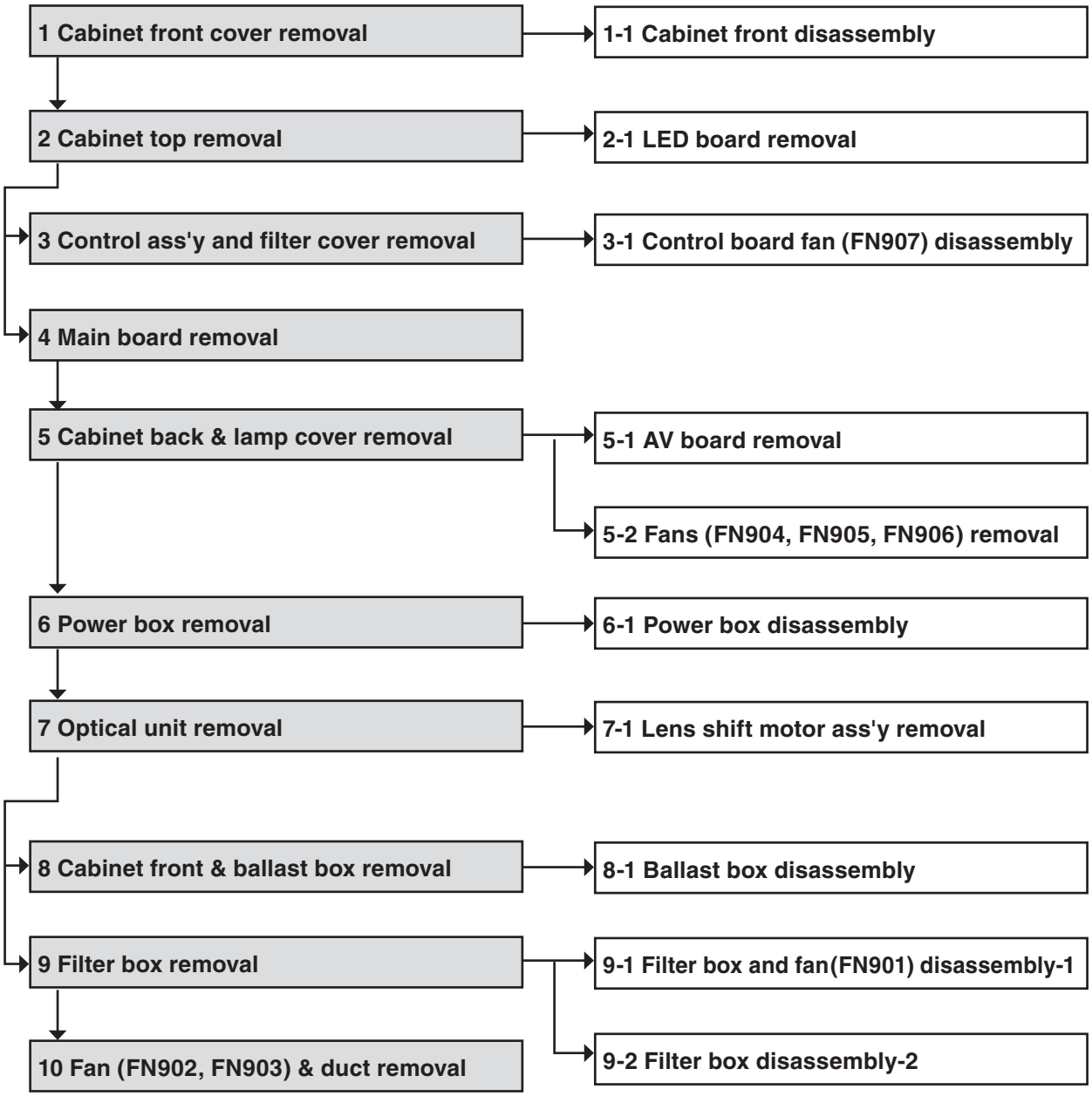
Please refer to the owner's manual for further information of the security functions.

Mechanical Disassembly

Mechanical disassembly flow chart

Mechanical disassembly should be made by following procedures chart.
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.
The wiring method of the leads and ferrite cores should be returned exactly the same state as the original, otherwise it may cause lose of performance and product safety.

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



Mechanical disassembly

1 Cabinet front cover removal

1 Press the release button and slide the lamp cover to the arrow direction and remove it.

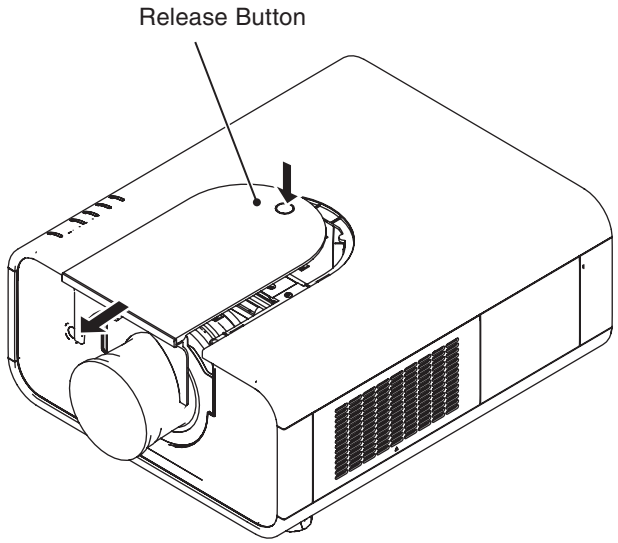
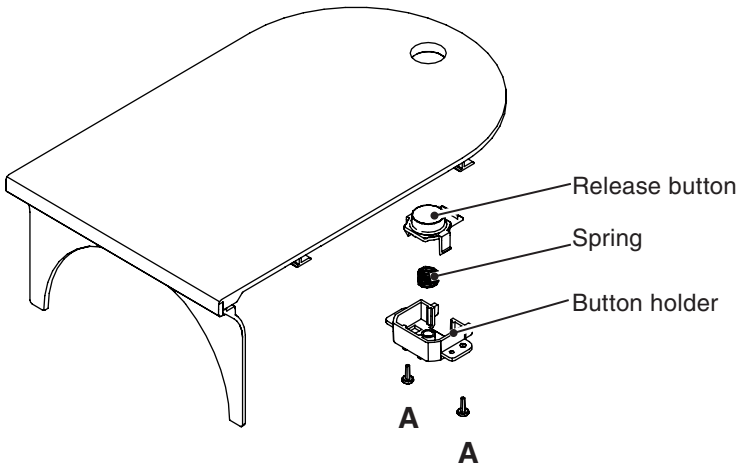


Fig. 1-1

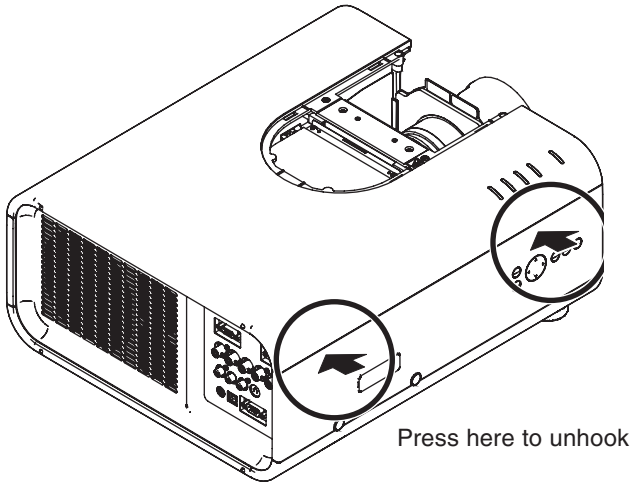
1-1 Cabinet front cover disassembly

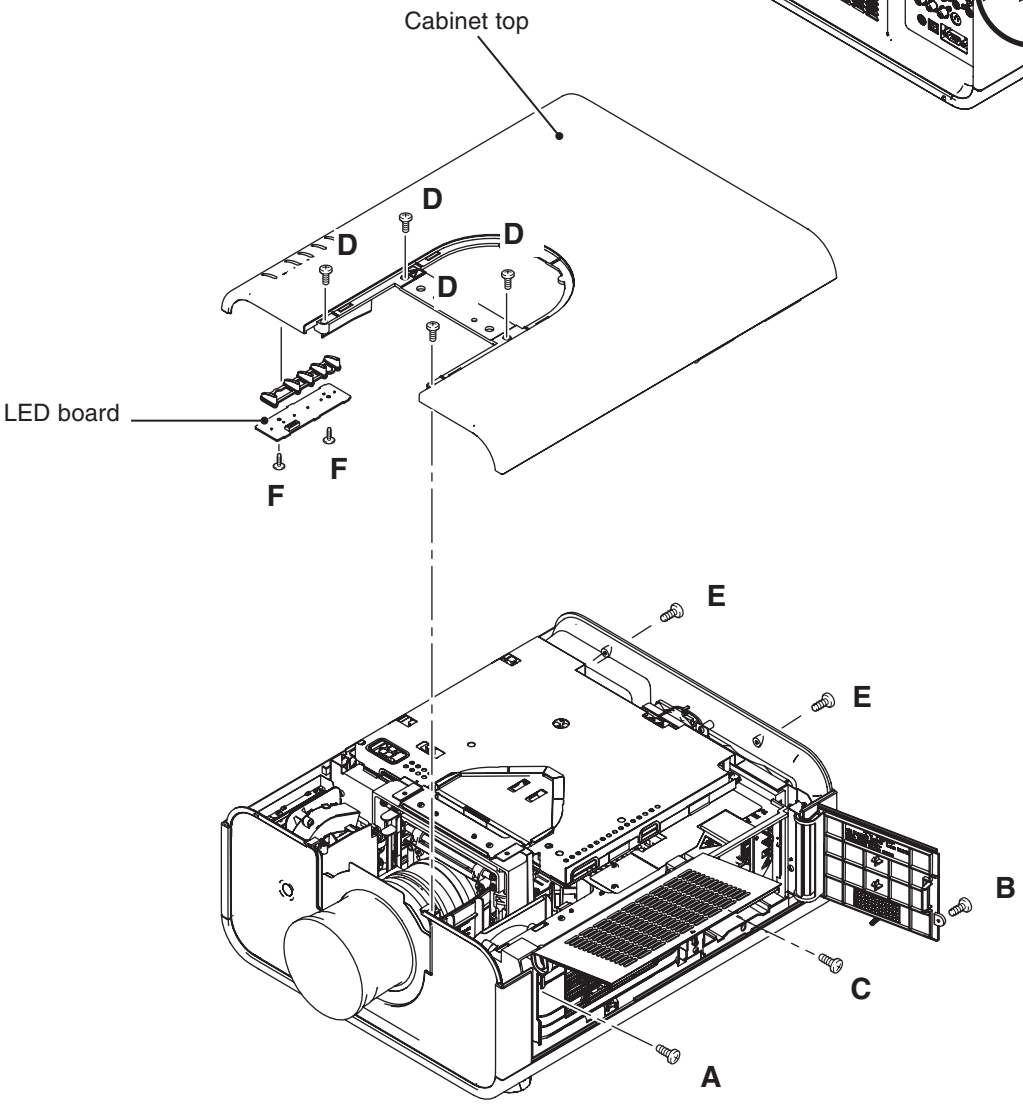
1 Remove 2 screws A(T3x8) and take the release button, button holder and spring off.



2 Cabinet top removal

1 Open the filter cover and remove 1 screw A (M3x8).
2 Remove 1 screw B (M3x8) and open the lamp cover and remove 1 screw C (M3x8).
3 Remove 4 screws D (M3x8) on the cabinet top and 2 screws E (M3x8) on the cabinet back.
4 Release the hooks by pressing the side part of cabinet bottom indicated with the arrows and take the cabinet top off.





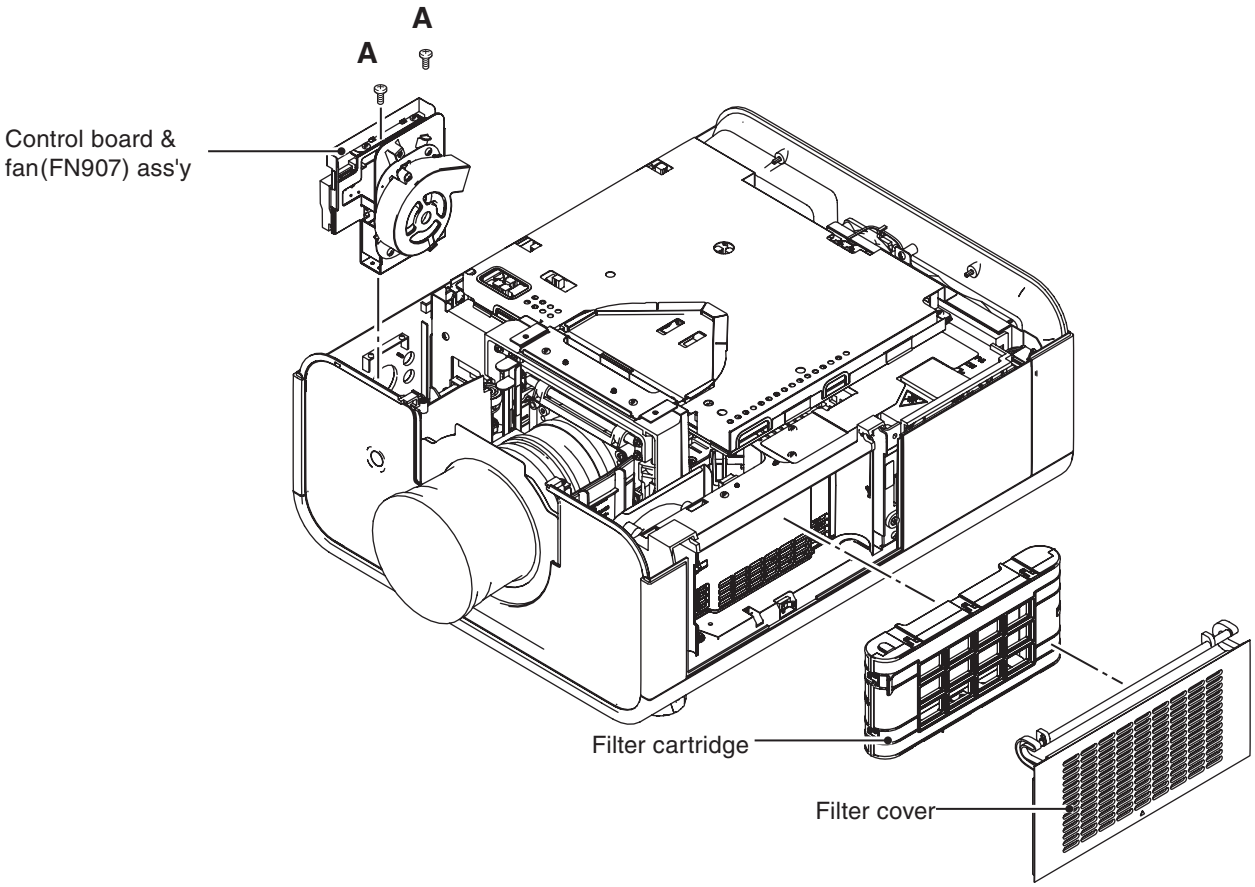
2-1 LED board removal

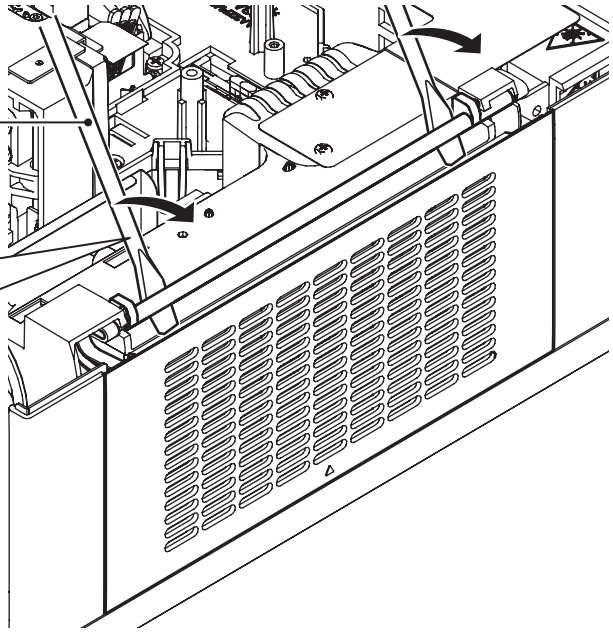
1 Remove 2 screws F (M3x8) and take the LED board and LED holder off.

Fig. 1-2

3 Control board ass'y and covers removal

1 Remove 2 screws A (T3x8) and take the control board & fan ass'y upward off.
2 Open the filter cover and take the filter cartridge off.
3 Remove the filter cover off by using a flat screw driver as shown in the figure.

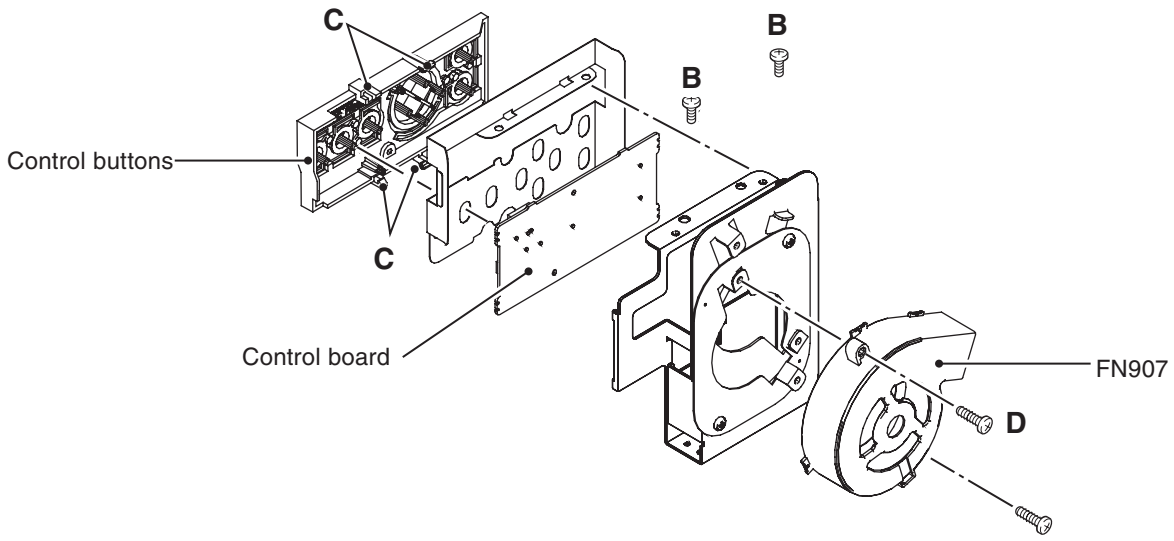




Turn the flat screwdriver in the arrow direction to unhook the filter cover's hinges.
Note: Be careful not to scratch the filter cover and holder.

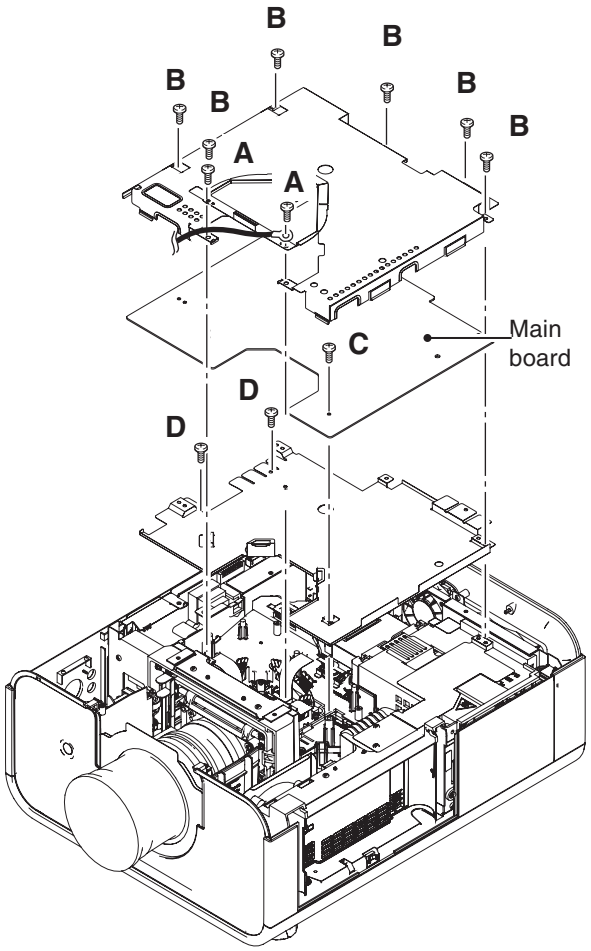
3-1 Control board and fan (FN907) disassembly

1 Remove 2 screws B (M3x6) and take the control board/ button holder off
2 Unhook 4 hooks C on the button holder and take the control board off.
3 Remove 2 screws D (M3x10) and take fan (FN907) off.



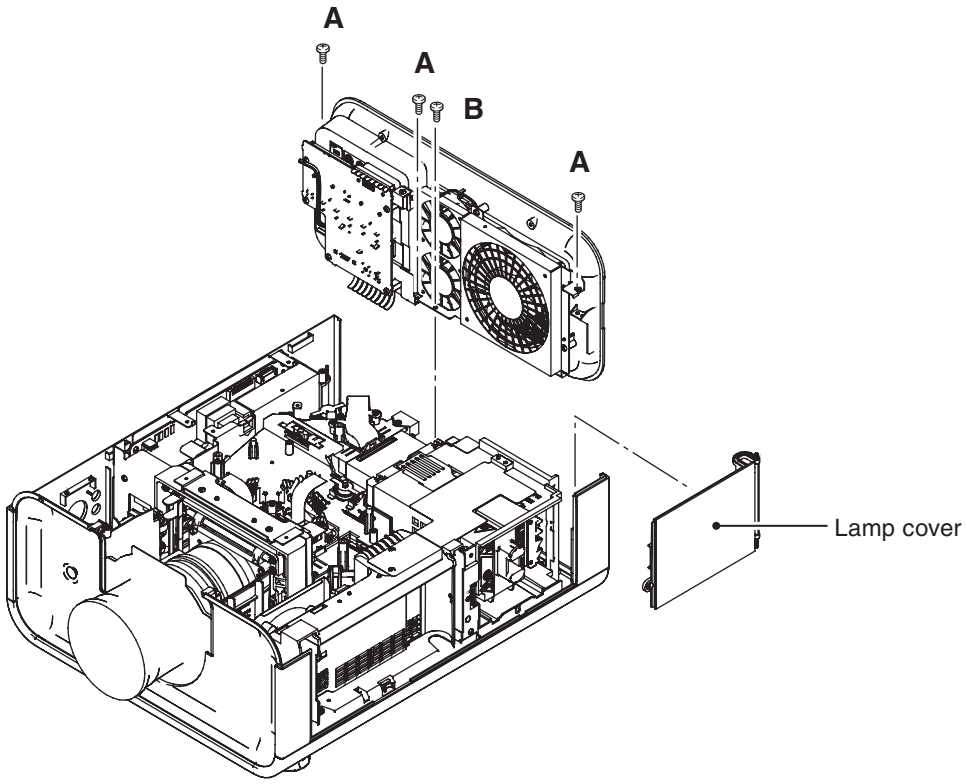
4 Main board removal

1 Remove 2 screws A (M3x6) and take the prism shield cover top off.
2 Remove 6 screws B (M3x6) and take the main shield cover top off.
3 Remove 1 screw C (M3x6) and take the main board off.
4 Remove 2 screws D (M3x6) and take the main shield cover bottom off.



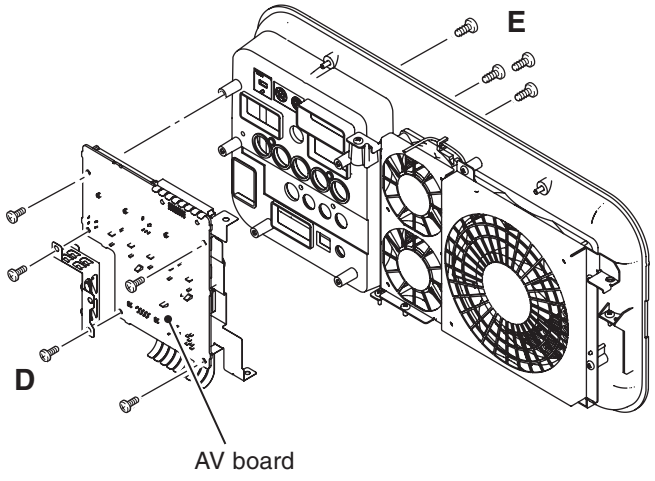
5 Cabinet back ass'y removal

1 Remove 3 screws A (T3x8) and 1 screw B (M3x6) and take the cabinet back ass'y upward off.



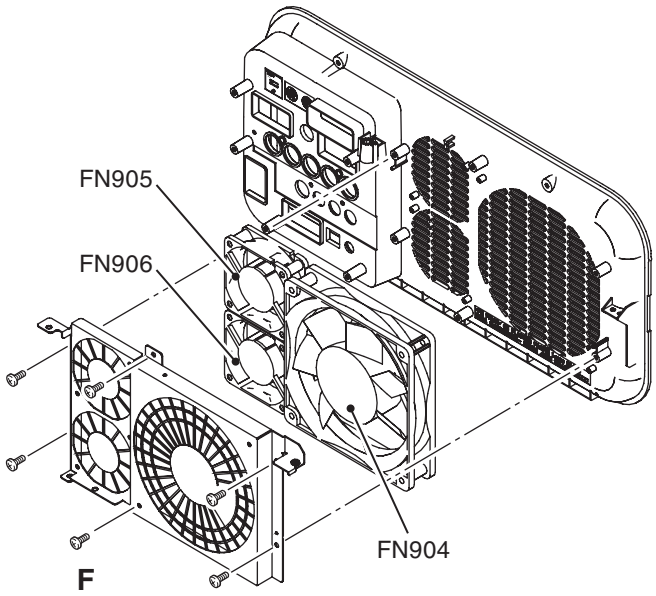
5-1 AV board removal

1 Remove 5 screws D (T3x8) and 4 screws E (T3x10-black) and take the AV board off.



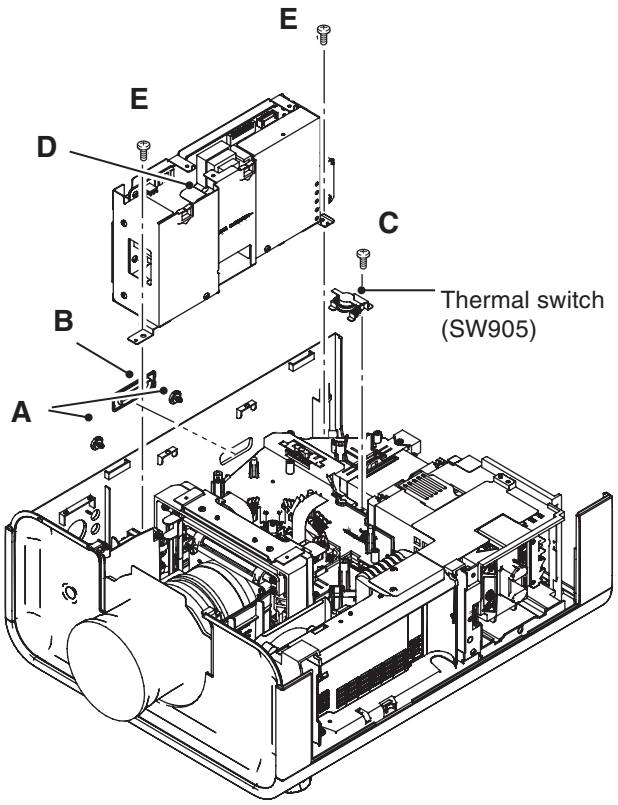
5-2 Fans (FN904, FN905, FN906) removal

1 Remove 6 screws F (T3x8) and take the fans (FN904, FN905, FN906) off.



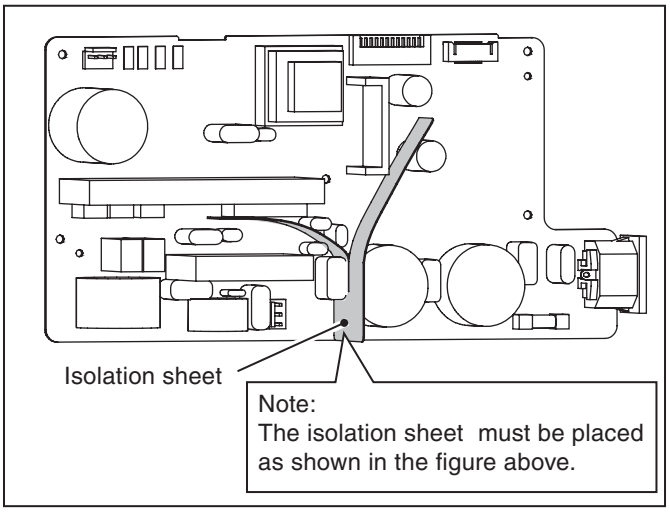
6 Power Box removal

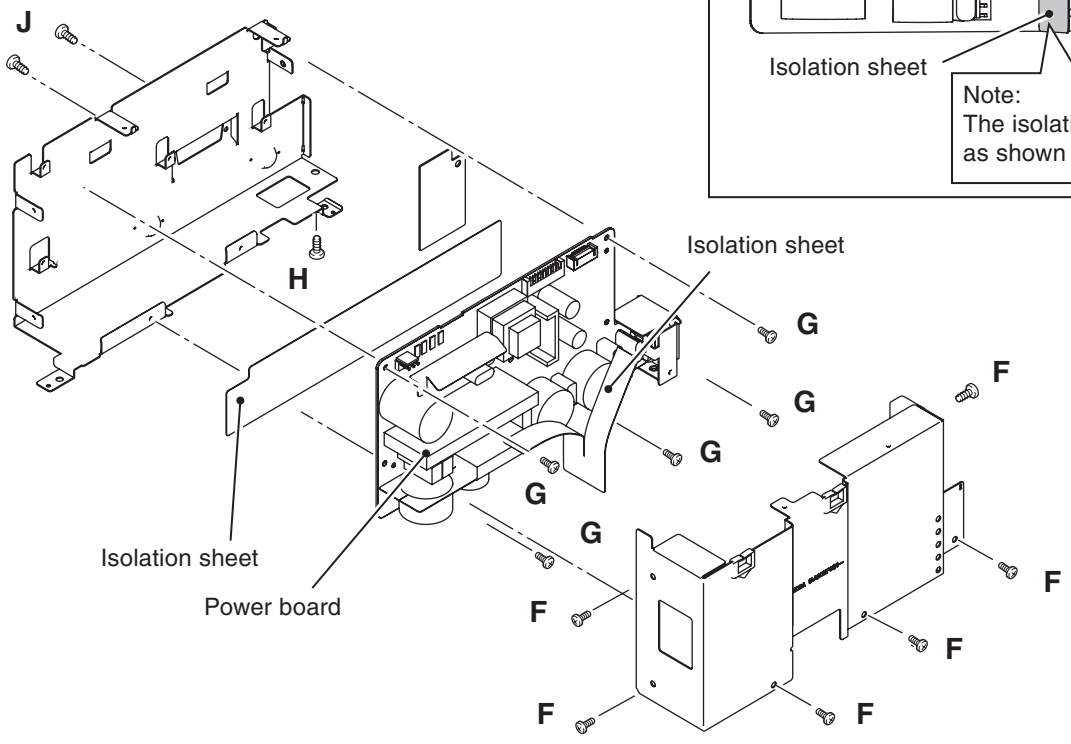
1 Remove the 3 covers A and B on the cabinet.
2 Remove 1 screw C (T3x12) and take thermal switch (SW905) off
3 Disconnect the socket D (K6B) on the power board.
4 Remove 2 screws E (M4x8) and take the power box upward off.



6-1 Power box disassembly

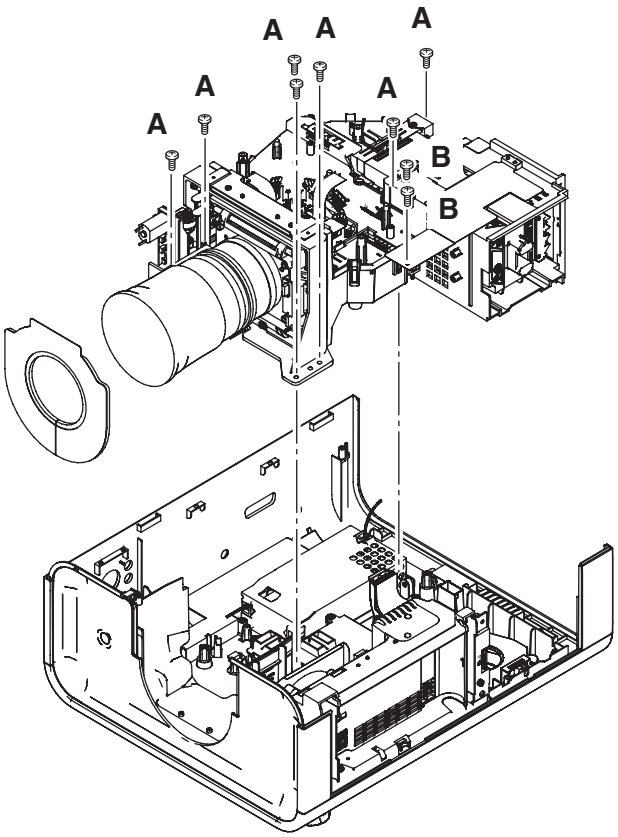
1 Remove 6 screws F (M3x6) and take the power box cover off.
2 Remove 5 screws G (M3x6), 1 screw H (M4x8), 2 screws J (T3x5) and take the power board off.





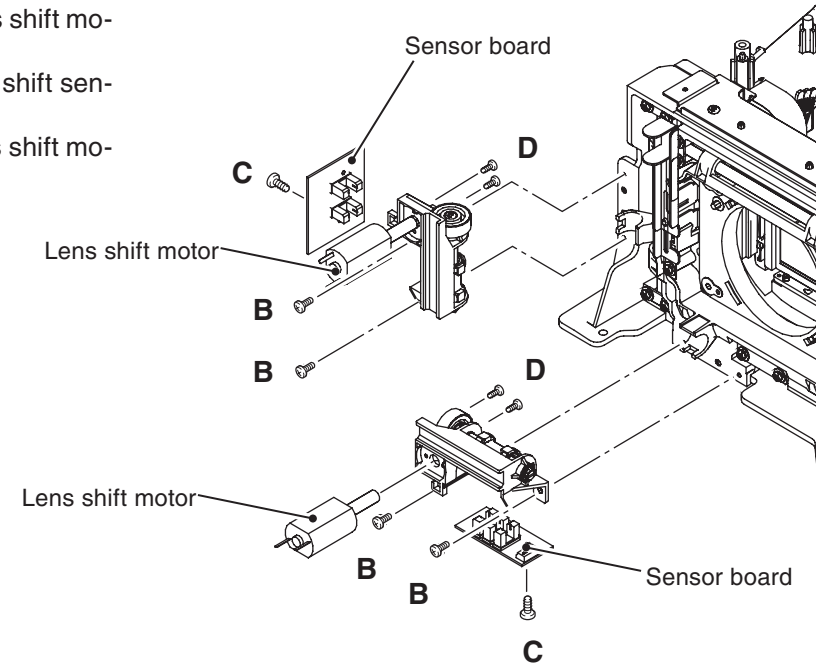
7 Optical unit removal

1 Remove 7 screws A (T4x12) and 2 screws B (T3x8), disconnect ballast socket and take the optical unit upward off.



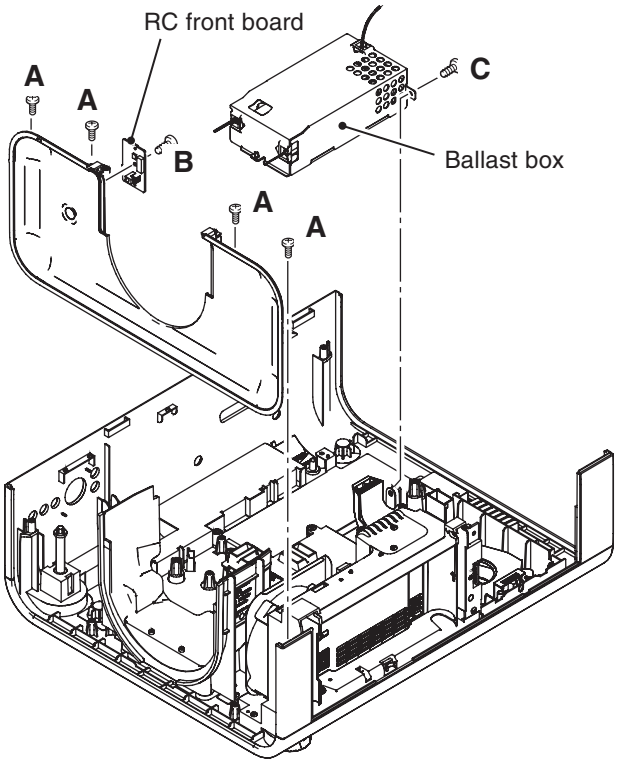
7-1 Lens shift motor ass'y removal

1 Remove 2 screws B (M3x6) and take the lens shift motor ass'y off.
2 Remove 1 screw C (T3x6) and take the lens shift sensor board off.
3 Remove 2 screws D (T2x4) and take the lens shift motor off



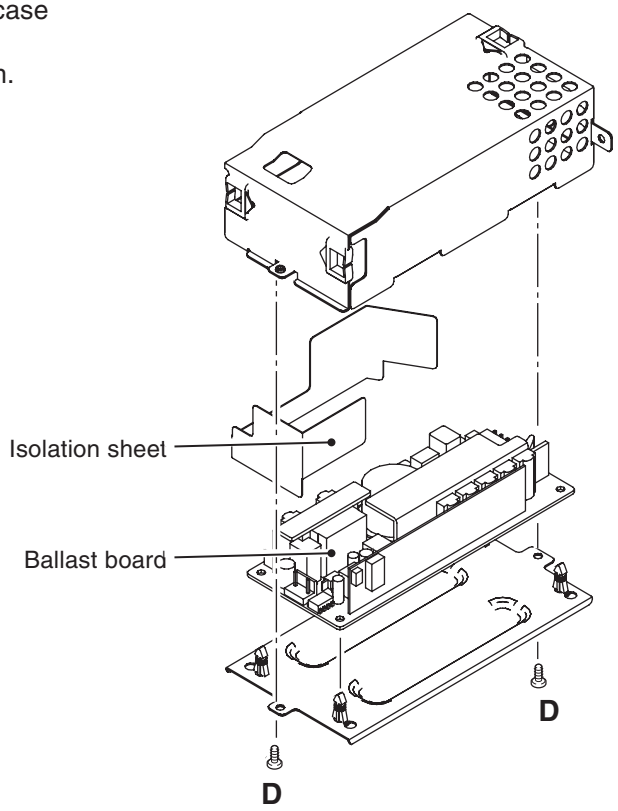
8 Cabinet front and ballast box removal

1 Remove 4 screws A (T3x8) and take the cabinet front upward off.
2 Remove 1 screw B (T3x8) and take the RC front board off.
3 Remove 1 screw C (M4x8) and pull the ballast box backward and remove it off.



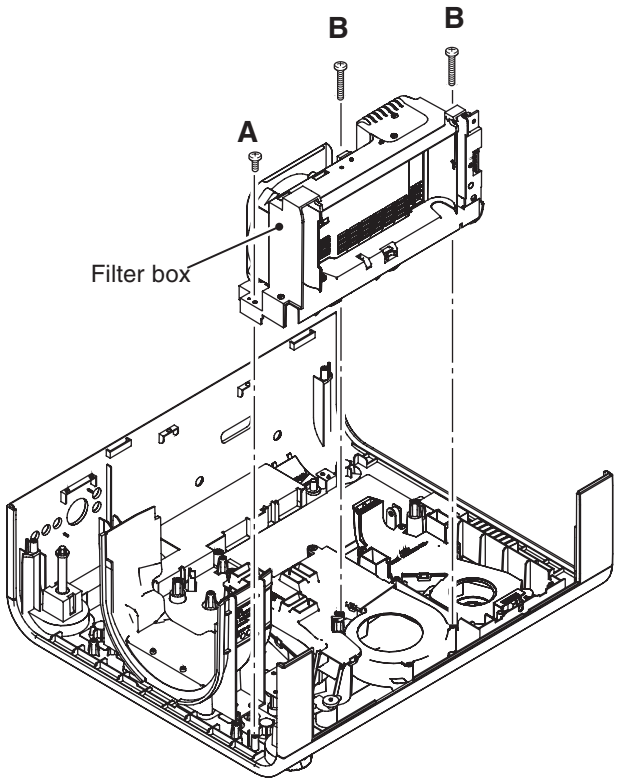
8-1 Ballast box disassembly

1 Remove 2 screws D (M3x6) and take the shield case top off
2 Remove ballast board from the shield case bottom.



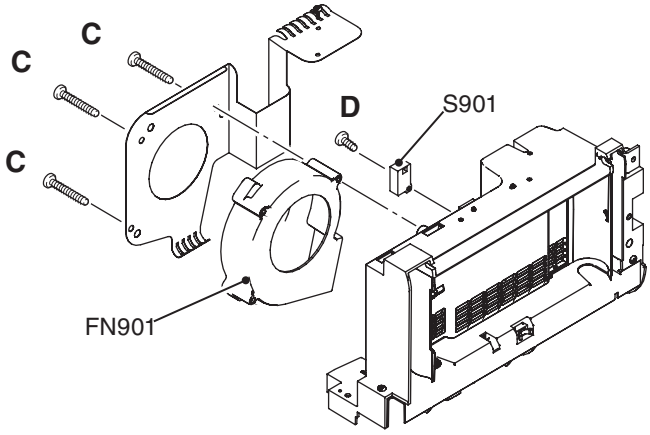
9 Filter box removal

1 Remove 1 screws A (T3x8), 2 screws B (T4x40) and take filter box upward off.



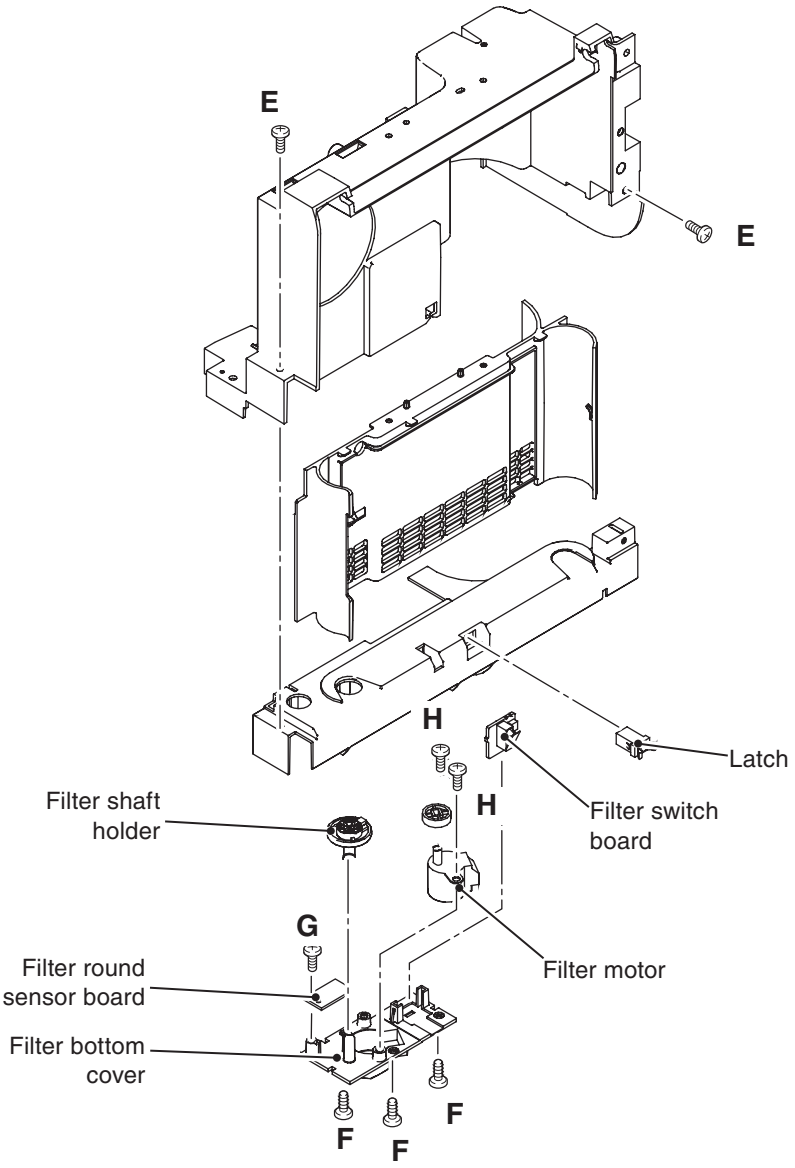
9-1 Filter box and fan (FN901) disassembly-1

1 Remove 3 screws C (T4x35), and take fan (FN901) and holder off.
2 Remove 1 screw D (T3x14) and take the wind sensor (S901) off.



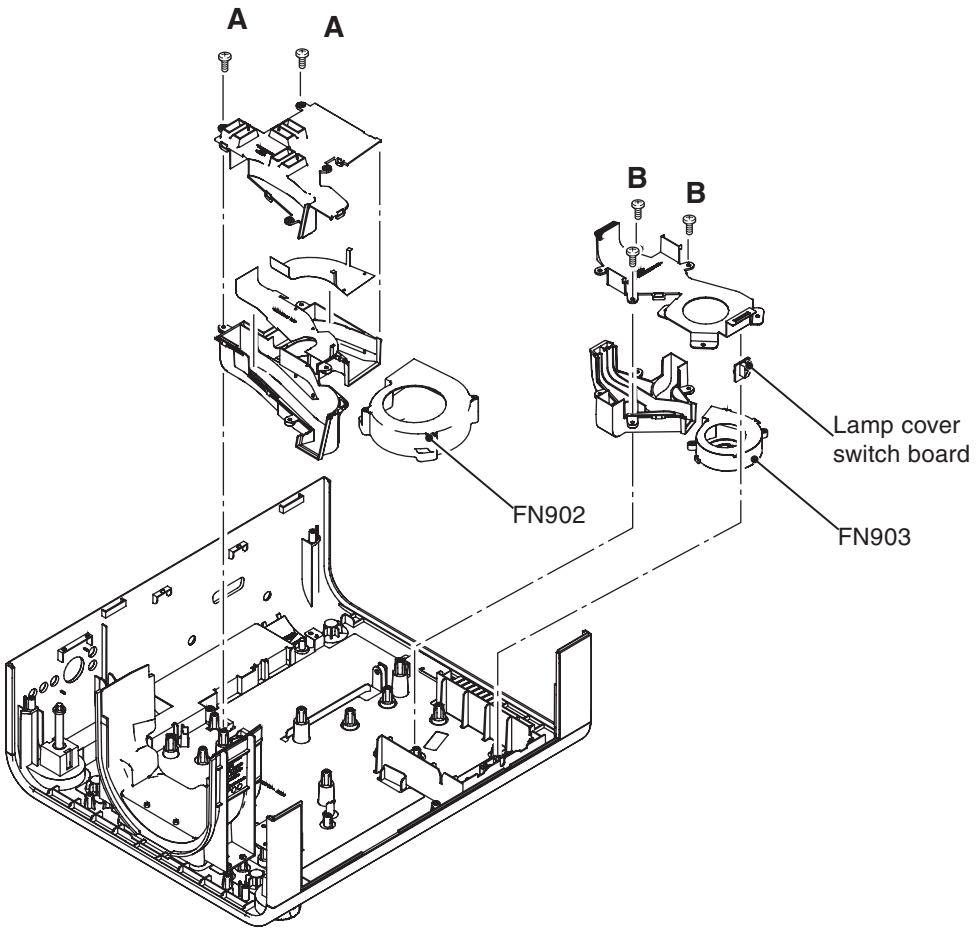
9-2 Filter box disassembly-2

1 Remove 2 screws E (T3x8) and take the filter cover off.
2 Take the filter cover latch off by pulling it.
3 Remove 3 screws F (T3x8) and take the filter bottom cover off.
4 Take the filter switch board off, and remove 1 screw G and take the filter round sensor board off.
5 Remove 2 screws H (T4x8) and filter motor off.



10 Fans (FN902, FN903) and duct removal

1 Remove fan (FN902) upward off.
2 Remove 2 screws A (T3x8) and take duct (prism) upward off.
3 Remove 3 screws B (3x8) and take duct (PBS) upward off.
4 Remove lamp cover switch board upward off.
5 Remove fan (FN903) upward off.



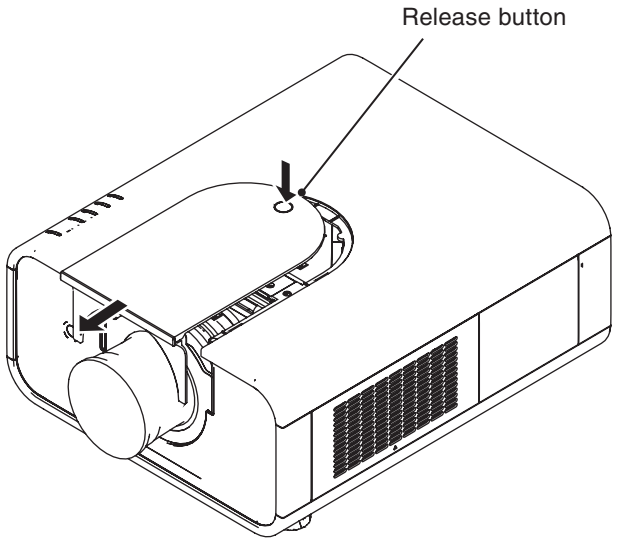
Optical Parts Disassembly

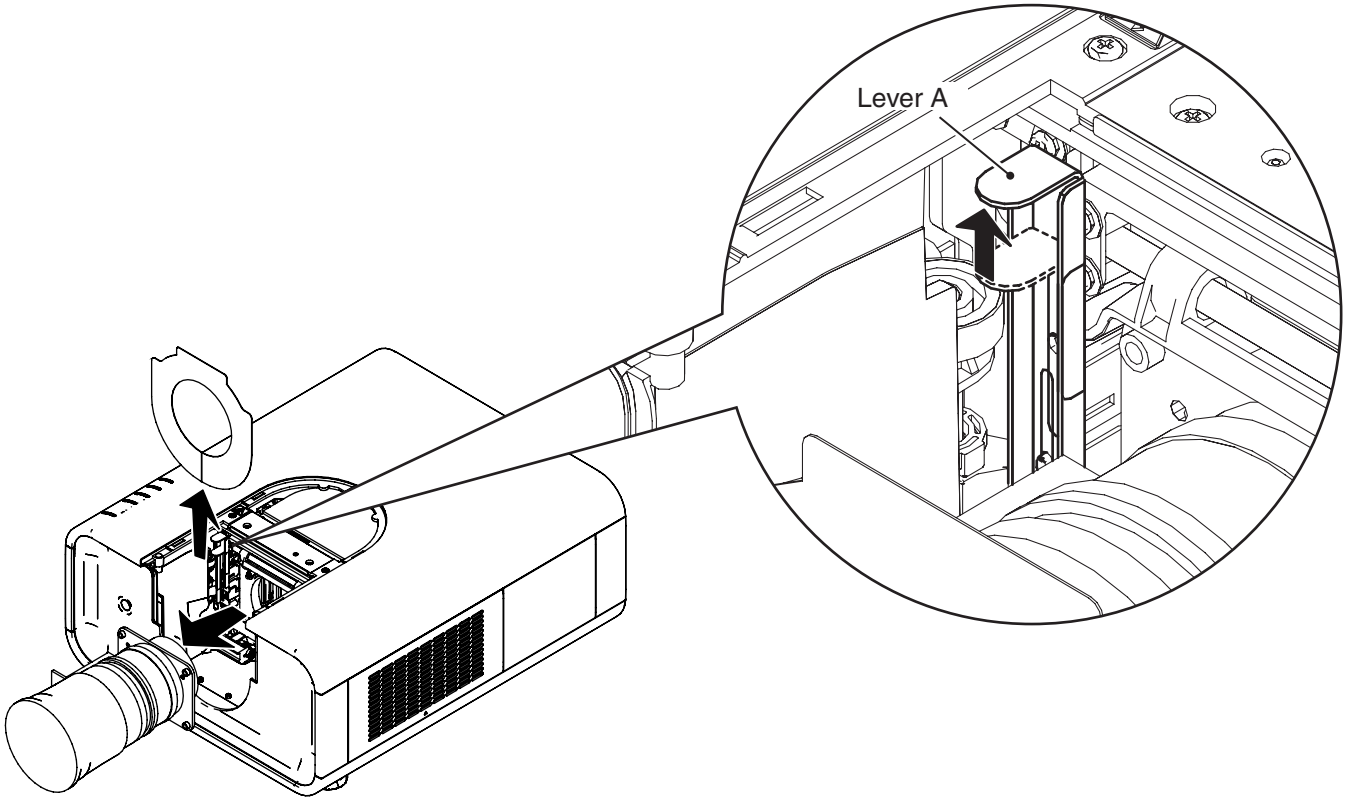
Disassembly requires a 2.0mm or 2.5mm hex wrench and a slot screwdriver.

1 Projection lens removal

1 Shift the Projection lens to the low end by the lens shift function.
2. Press and hold the release button on the cabinet front cover and slide it in the arrow direction as shown in the figure and open it.
3 Slide the lens lock lever A on the projector to “UN-LOCK” (UPPER) position and remove the Projection Lens ass’y off.

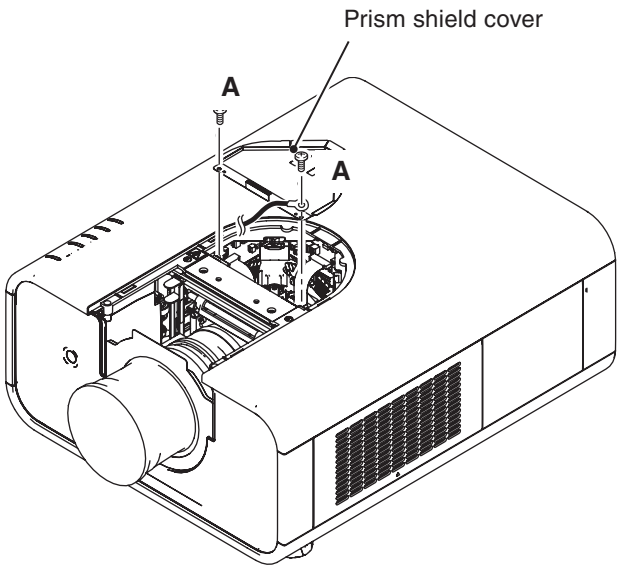
Note : When making unlocking, attach your hand to prevent the lens fall.

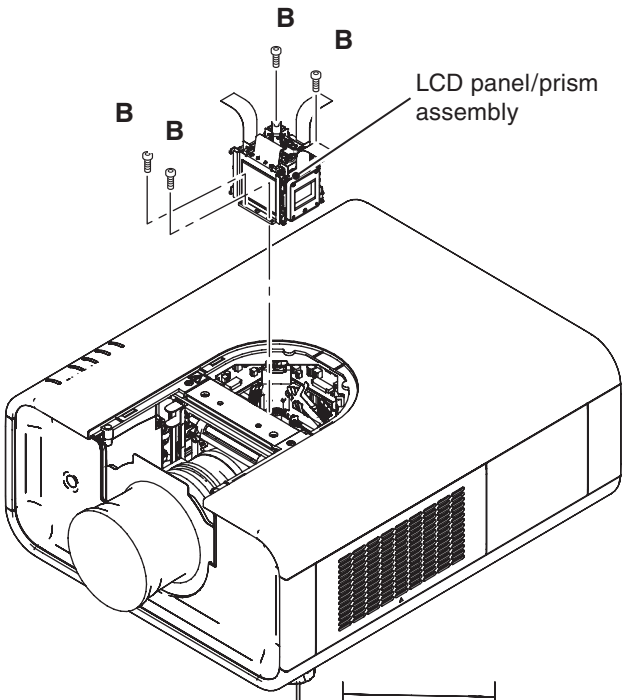


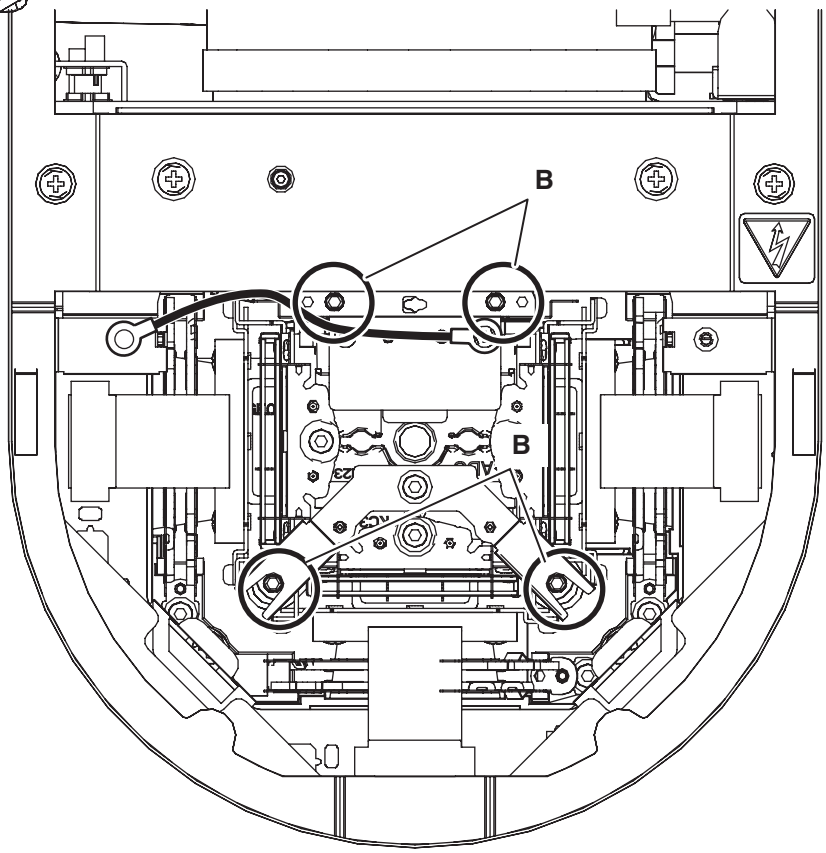


2-1 LCD panel/Prism ass'y removal

1 Remove 2 screws A (M3x6) and take the prism shield cover off.
2 Remove 4 screws B (M2.5 x6) and take the LCD panel/ prism assembly upward off.

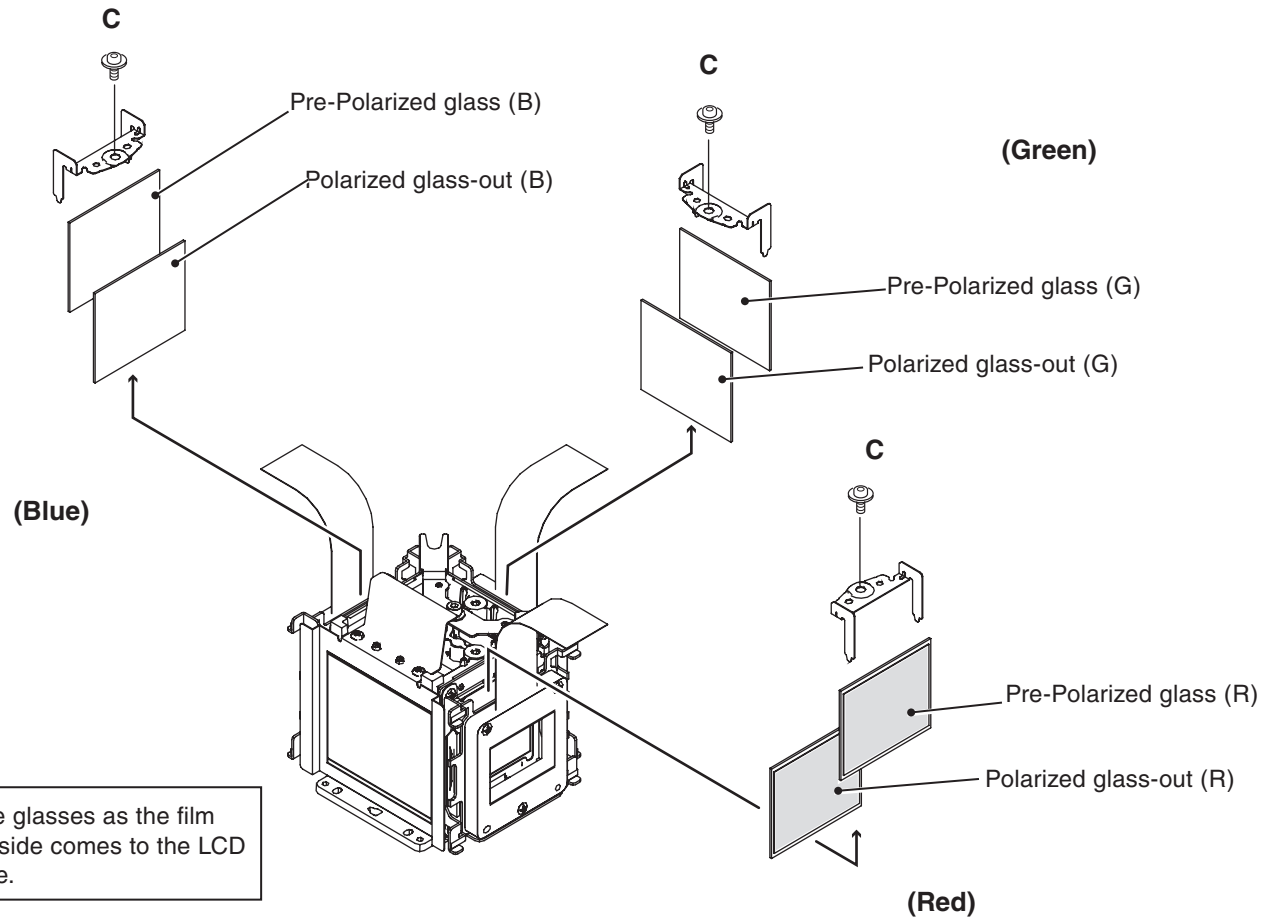






2-2 Polarized glasses-out removal

1 Remove 1 screw C (M2.5x6) on each stopper and take the polarized glasses upward off.



* Mount the glasses as the film attached side comes to the LCD panel side.

Note; Do not replace the LCD panel separately otherwise it cannot obtain proper picture. Do not touch the prism, the LCD panel and electrode of flexible cable.

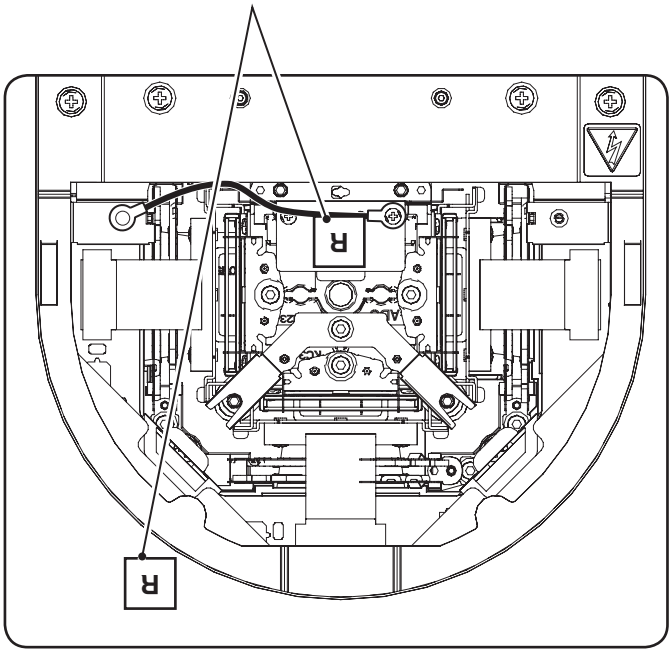
IMPORTANT NOTICE on LCD Panel/Prism Ass'y Replacement
LCD panels used for this model cannot be replaced separately. Do not disassemble the LCD Panel/Prism Ass'y. These LCD panels are installed with precision at the factory. When replacing the LCD panel, should be replaced whole of the LCD panels and prism ass'y at once.
When replacing LCD Panel/Prism ass'y, take the optical and electrical adjustments following to the chapter "Adjustment".

LCD Panel Type Check

There are 2 types combination of the LCD panel/prism assembly and the optical unit, named Type-R and Type-L. Since both have no compatibility, each type should be combined with the same type, and the specific parts should be used. If not, the poor optical characteristics may degrade the quality of a projected image.
Confirm the "R" label or "L" label on top of the LCD panel/ prism assembly and the optical unit.

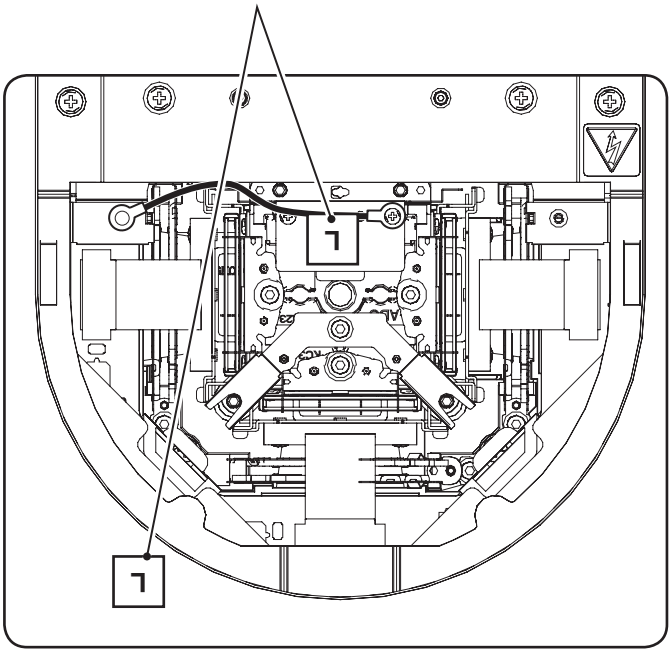
NOTE:
LCD panel/prism assembly should be used with the same type of the optical unit.

Confirm that both marking "R" is matched.



LCD Panel/Prism Ass'y Type-R

Confirm that both marking "L" is matched.



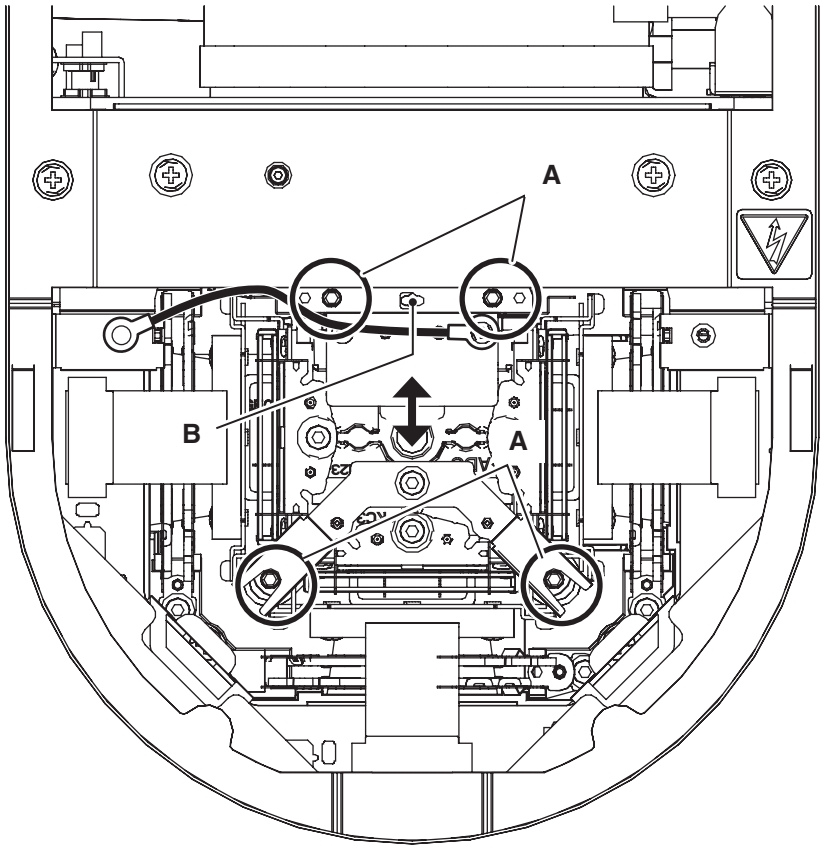
LCD Panel/Prism Ass'y Type-L

Note on LCD Panel/Prism Ass'y Mounting

After replacing or installing the LCD Panel/Prism ass'y, please make sure to obtain the best focus in both TELE and WIDE zoom. If the focus adjustment is required, please adjust the positioning of LCD Panel/Prism Ass'y following to the procedure below.

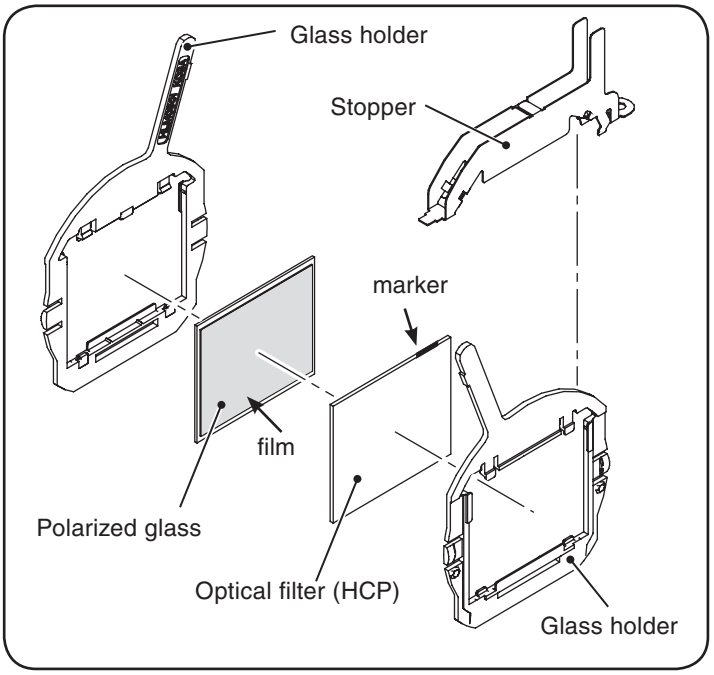
Focus adjustment:

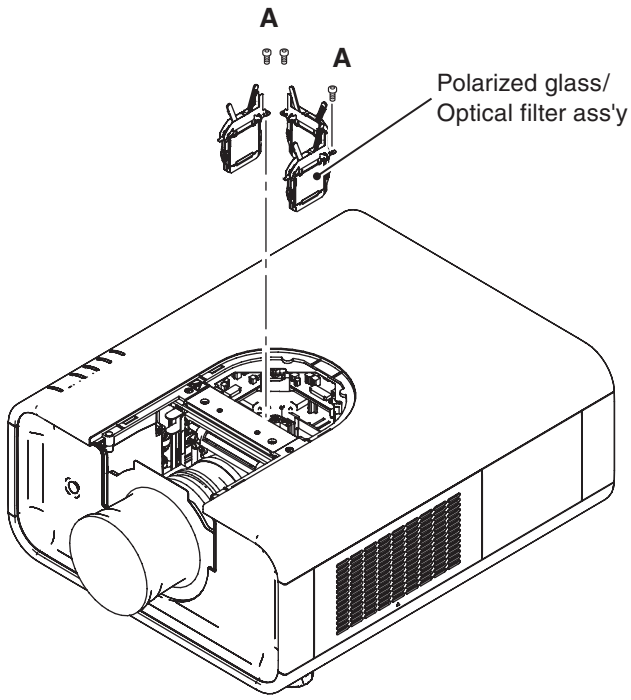
1 Loosen 4 screws A on the LCD Panel/Prism ass'y with 2.0 mm hex driver.
2 Turn the projector on and project the image with WIDE zoom, and adjust the FOCUS control to obtain the best focus.
3 Turn the ZOOM control to the TELE position.
4 Insert a flat screw driver into the slot B and move the LCD Panel/Prism Ass'y backward or forward by turning the screwdriver left or right to obtain the proper focus. Confirm the focus at TELE and WIDE zoom.
5 Tighten 4 screws A to fix the LCD Panel/Prism ass'y.

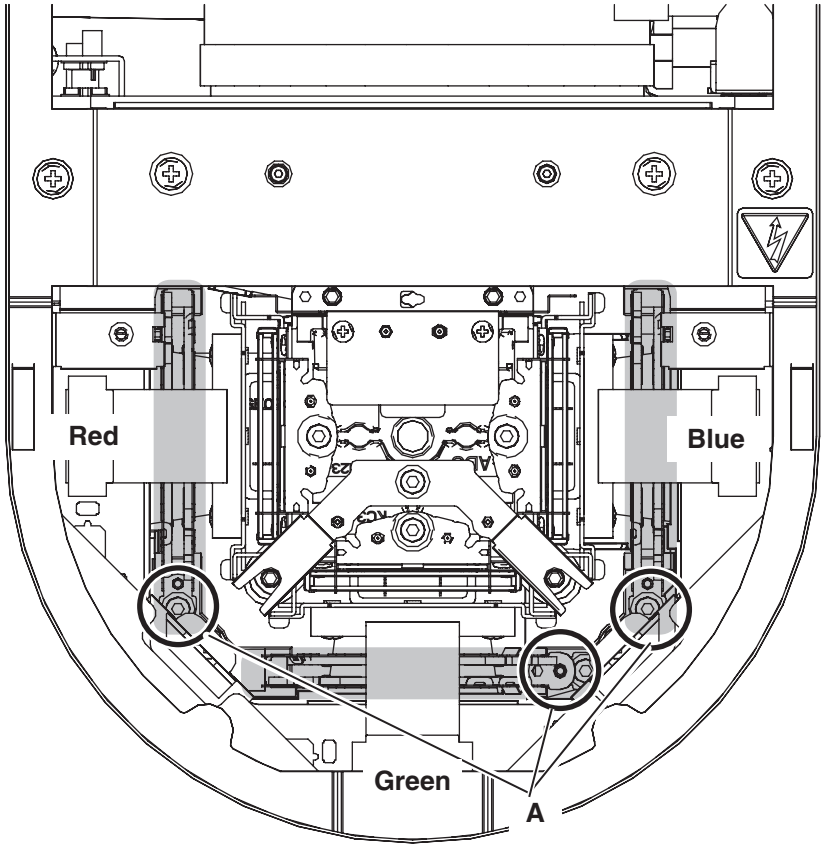


3 Polarized glass/Optical filter ass'y removal

1 Remove 1 screw A (M2.5x6) on each stopper and take the polarized glasses upward off.

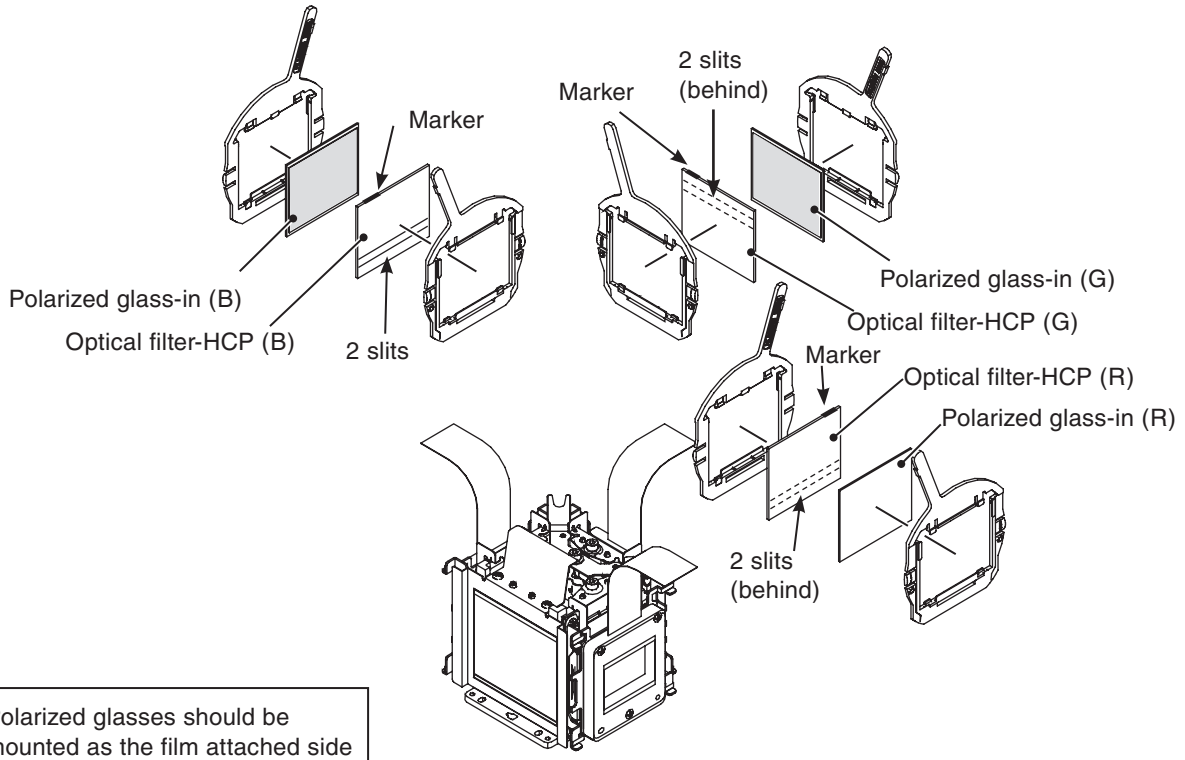






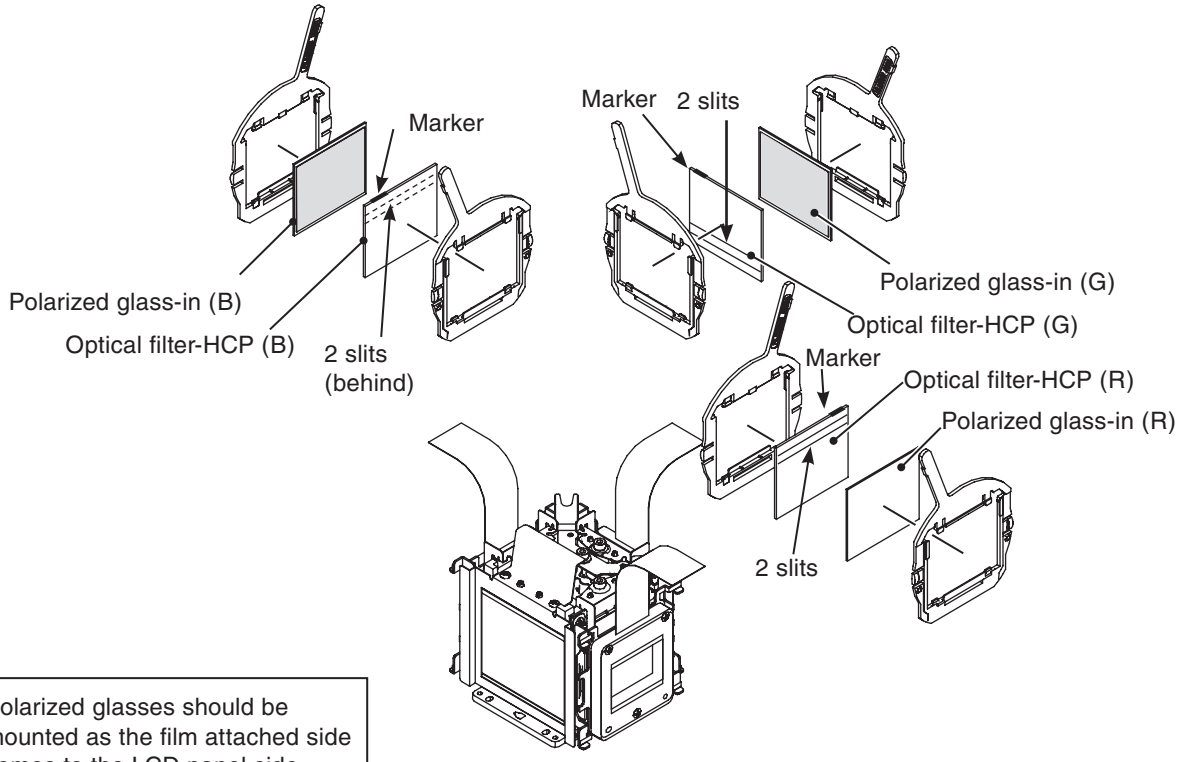
3-1 Polarized glass/Optical filter mounting

There are 2 types combination of the LCD panel/prism assembly named Type-R and Type-L. Mount the polarized glasses and optical filters according to the type of the LCD panel assembly as shown in the figure below



* Polarized glasses should be mounted as the film attached side comes to the LCD panel side.

TYPE-L



* Polarized glasses should be mounted as the film attached side comes to the LCD panel side.

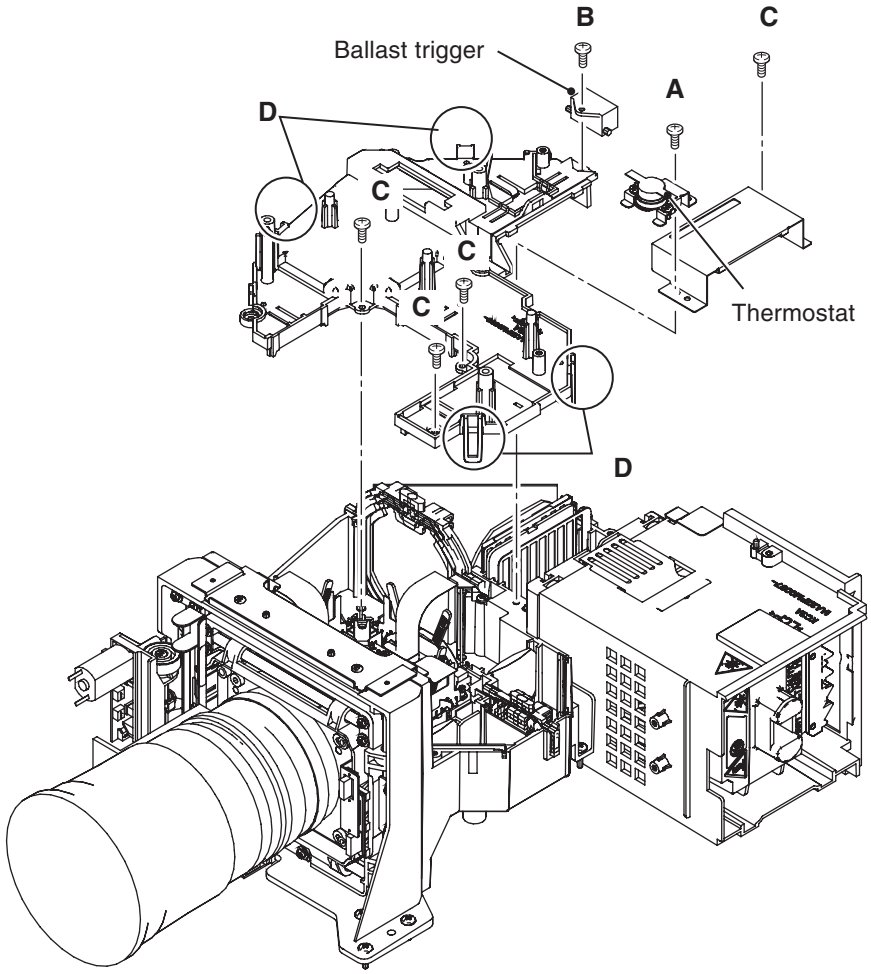
TYPE-R

4 Optical base top removal

Before taking this procedure, remove cabinet top, main board following to the chapter "Mechanical disassembly".

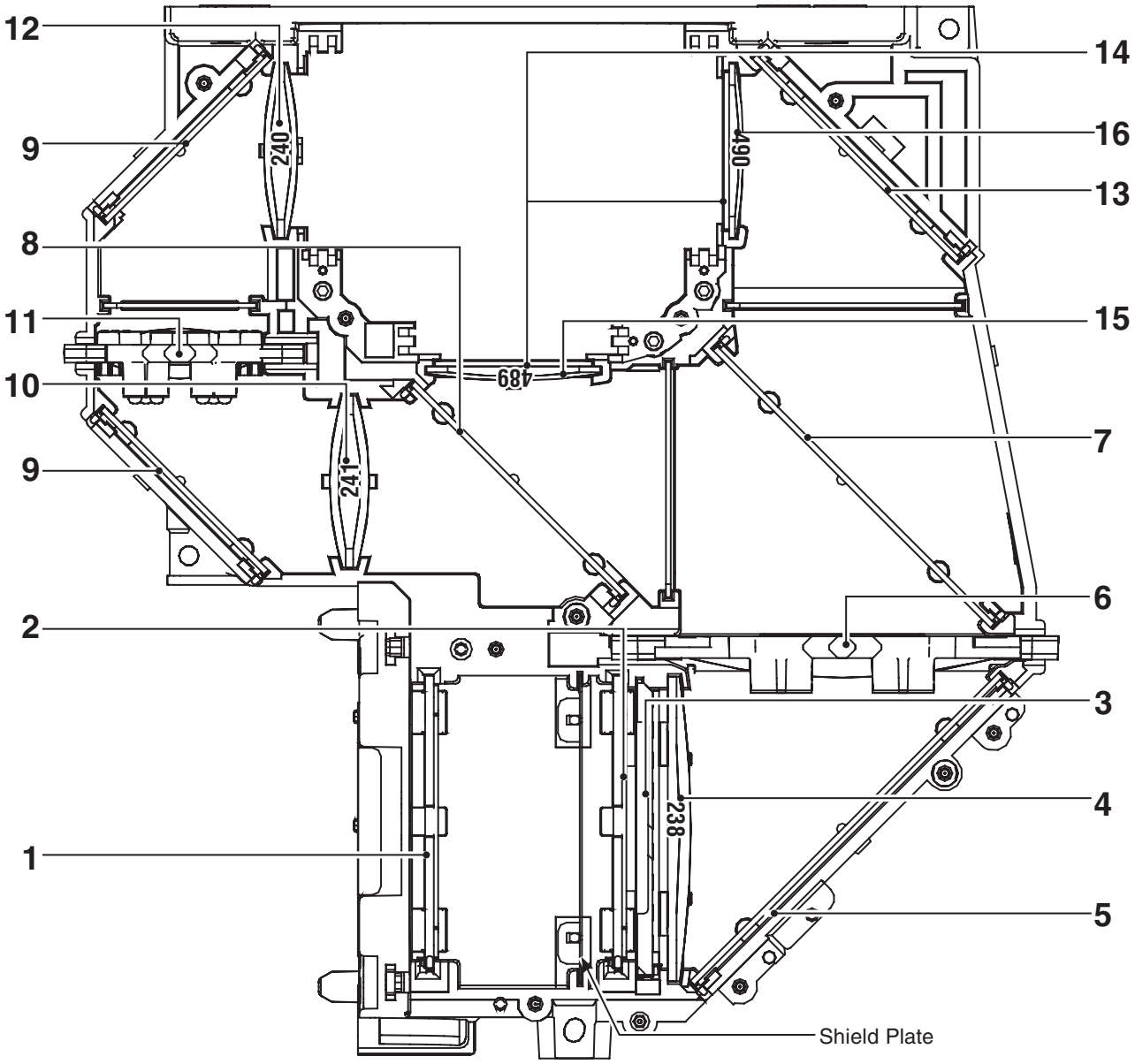
1 Remove 1 screw A (T3x8) on the thermostat, 1 screw B (T3x8) on the ballast trigger and 4 screws C (T3x8).

2 Unhook 4 hooks D on the optical base top and take the optical base top upward off.



4-1 Optical parts locations in the Optical Unit

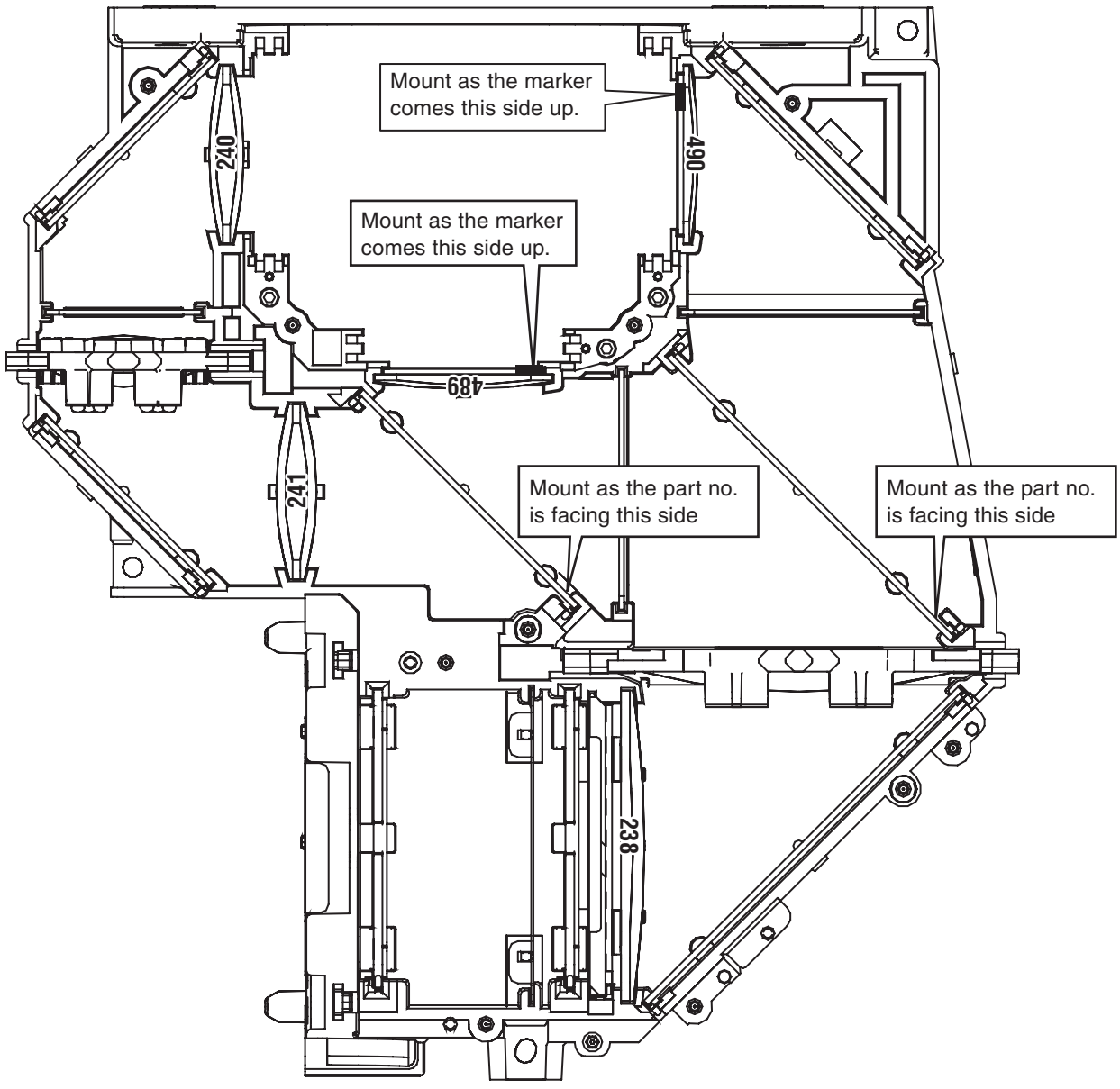
No.	Parts Name	No.	Parts Name
1	LENS,INTEGRATOR(IN) *	9	MIRROR(R)
2	LENS,INTEGRATOR(OUT) *	10	LENS,RELAY(IN)
3	ASSY,PRISM(PBS)	11	LENS,RELAY(OUT) *
4	LENS,CONDENSER(IN)	12	LENS,CONDENSER(R)
5	MIRROR(W-COLD)	13	MIRROR(B)
6	LENS,CONDERSOR(OUT) *	14	POLARIZED GLASS(IN/GB)
7	DICHROIC MIRROR (B)	15	LENS,CONDENSER(G)
8	DICHROIC MIRROR (G)	16	LENS,CONDENSER(B)



Note:
The parts indicated with (*) are fixed with the adhesive onto the optical base bottom, so these parts are not the replaceable parts.

4-2 Optical parts directions in the Optical Unit

When mounting or assembling the optical parts in the optical unit, the parts must be mounted in the specified location and direction as shown in the figure below.



Adjustments

Adjustments after Parts Replacement

● : Adjustment necessary ❍ : Check necessary

		Disassembly / Replaced Parts					
		LCD/ Prism Ass'y	Polarized Glass	Optical Filter	Power Board	Main Board	Fans
Optical Adjustment							
	Contrast adjustment	●	●	●			
Electrical Adjustments	Panel type check and setting	❍				●	
	Fan control adjustment				●	●	●
	PC-auto calibration					●	
	Video-auto calibration -1					●	
	Video-auto calibration -2					●	
	Common center adjustment	●				●	
	Gamma shift adjustment	●				●	
	White balance adjustment [PC]	●				●	
	Gamma correction adjustment [PC]	●				●	
	White balance adjustment [AV]	●				●	
	Gamma correction adjustment [AV]	●				●	
	White uniformity adjustment	❍	❍	❍		❍	
	Wind sensor calibration				●	●	●

Note on the main board replacement

When replacing the main board, take read/write procedure of the gamma adjustment data and color shading correction data.
The “gamma adjustment data” and “color shading correction data” of each panel have been adjusted precisely at the factory to match the characteristics of each panel.
When you replace the main board, you need to read out the "gamma adjustment data" and "color shading correction data" stored in the memory IC on the previous main board and write down them into the memory IC on the new main board. By this way, the projector is enabled to reproduce the picture which has the properly adjusted gamma characteristic and color shading correction.

Use "Projector Service Tool" software for Read/Write of the gamma adjustment data and color shading correction data. This tool also enable to correct the color shading and gamma characteristics.

PROJECTOR SERVICE TOOL v. 4.10
SERVICE PARTS NO.: 610 337 8787

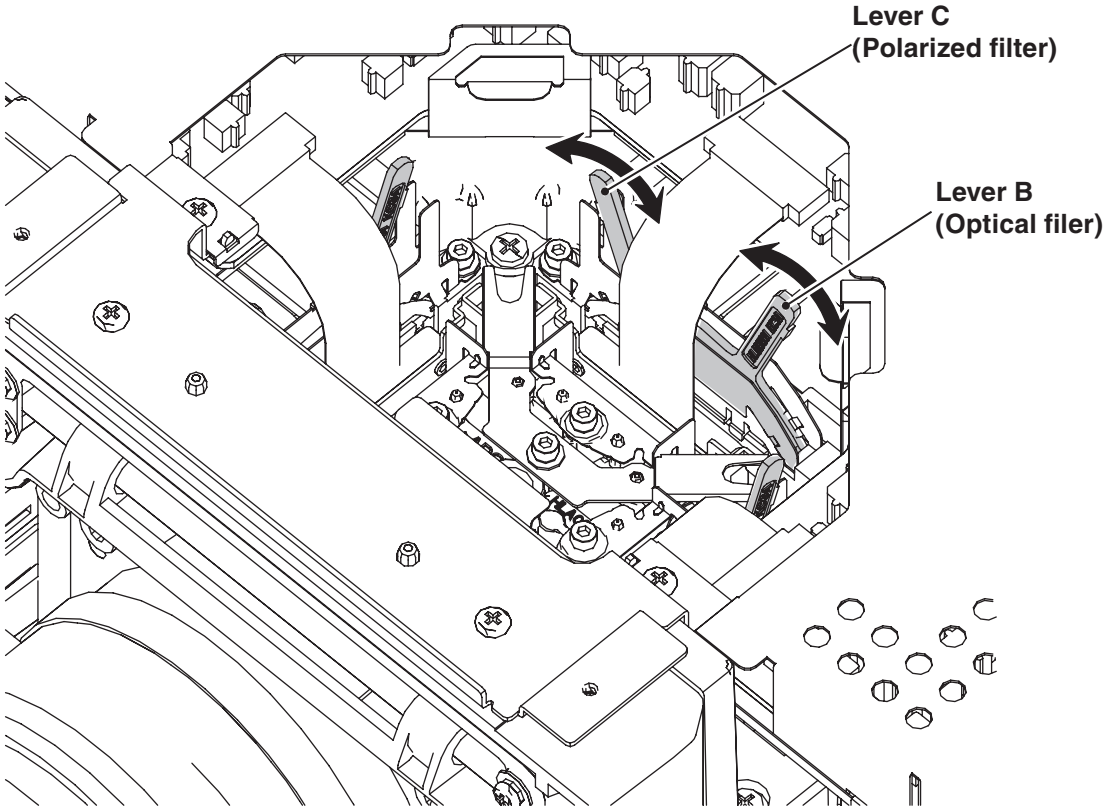
Optical Adjustments

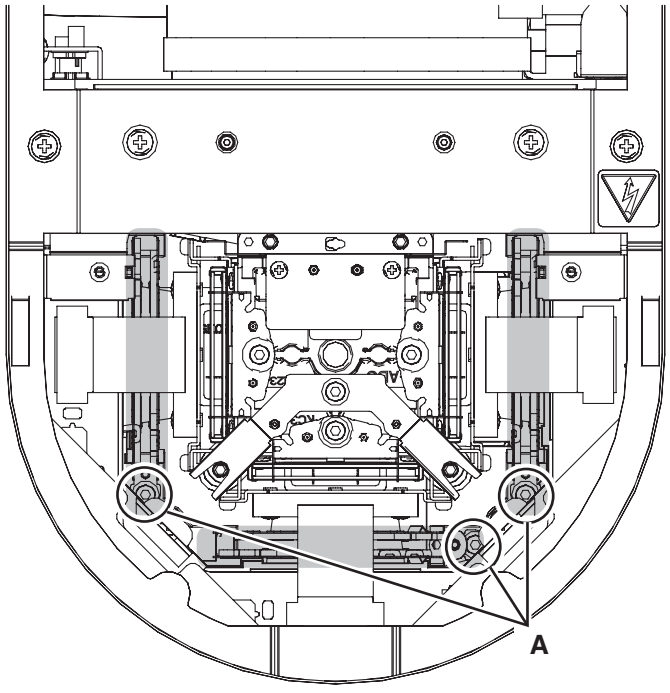
Contrast adjustment

[Before Adjustment]
- Input a 100% of black raster signal.

1. Loosen a screw A on the polarized glass stopper which you intend to adjust.
2. Turn the lever B of optical filter as shown in figure to obtain the darkest brightness on the screen.
3. Turn the lever C of polarized filter as shown in figure to obtain the darkest brightness on the screen.
4. Tighten the screw A to fix the polarized glass stopper.

Repeat steps 1 to 4 for remaining R, G or B contrast adjustment.





Electrical Adjustments

Service Adjustment Menu Operation

To enter the service mode

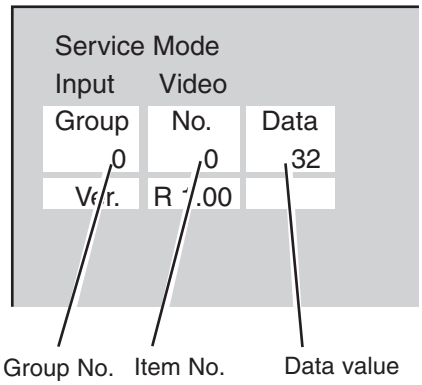
To enter the “Service Mode”, press and hold the **MENU** and **SELECT button** for more than 3 seconds. The service menu appears on the screen as follows.

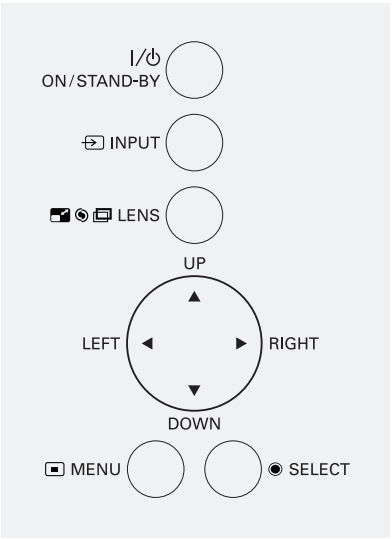
To adjust service data

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**.





Memory IC (IC301, IC802) Replacement

Memory ICs on the main board stores the data for the service adjustments, and should not be replaced except for the case of defective device.
If replaced, the re-adjustments are required following to the “Electrical Adjustments”.
The data of lamp replacement counter is stored in the Memory IC.
Please note that the lamp replace counter will be reset when the memory IC is replaced.
(Lamp replace counter cannot be set to the previous value.)

● **Caution to memory ICs replacement**
When memory ICs are replaced with new one, the CPU writes down the default data of the service adjustments to the replaced ICs as the mentioned on the service adjustment table. As these data are not the same data as factory shipped data, it should be required to perform the re-adjustments following to the “Electrical Adjustments”.
Please note that in this case the lamp replace counter will be reset.

● **Caution of Main Board replacement (in the case memory ICs are not defective)**
When the main board is replaced, memory ICs should be replaced with the one on previous main board. After replacement, it should be required to perform the re-adjustments following to the “Electrical Adjustments”.
In this case, the value of lamp replace counter can be kept as before.

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.

[Adjustment Condition]

● Input signal

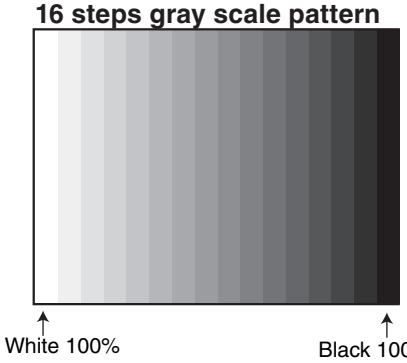
Video signal ..... 1.0Vp-p/75Ω terminated, 16 steps gray scale (Composite video signal)

Computer signal ..... 0.7Vp-p/75Ω terminated, 16 steps gray scale pattern

Component Video signal .... 0.7Vp-p/75Ω terminated, 16 steps gray scale (Component video signal with 480p, 575p, 720p or 1080i format)

● Picture control mode ..... "STANDARD" mode unless otherwise noted.

16 steps gray scale pattern



Note:

* Please refer to "Service Adjustment Menu Operation" for entering the service mode and adjusting the service data.

1 Panel Type Check and Setting

* Before setting, you need to check which type of LCD panel is placed on the projector according to the item "LCD Panel/Prism Ass'y removal" in the chapter "Optical Parts Disassembly".

1. Enter the service mode.
2. Panel Type Check
   Select group no. "**290**", item no. "**0**". Check the data value as follows;
   Data value: 0 For L-Type of LCD Panel
   Data value: 20 For R-Type of LCD panel
3. Panel Type Setting
   Select group no. "**290**", item no. "**1**" and change data value from 10 to 0 or 20 depending on your LCD Panel type. When the data value reaches 0 or 20, it returns to 10 quickly. The gamma-characteristics is reset according to your selection.

   Note:
   Be careful to take this adjustment. The value of gamma adjustment data will be reset and cannot be restored if you change the mode of LCD panel type.

2 Fan Voltages adjustment

1. Enter the service mode.
2. Connect a digital voltmeter to test point **A** (+) and chassis ground (-). (7 test points are provided for this adjustment, perform all the voltage adjustments in the table below.)
3. Select group no. "**140**". Select item no. **B** and change data value to adjust the voltage to be **C** - 0.1V + 0V, and select item no. **D** and change data value to adjust the voltage to be **E** ±0.1V.
4. Repeat step 2 to 3 for the remaining test points in the table below.

Test Point A	Item B	Voltage C	Item D	Voltage E
TPFN5	0	13.8	1	5.0
TPFN3	2	13.8	3	5.0
TPFN4	2	13.8	3	5.0
TPFN2	4	13.8	5	5.0
TPFN1	6	13.8	7	5.0
TPFN7	8	13.8	9	5.0
TPFN6	10	13.8	11	5.0

3 PC-Auto Calibration

1. Enter the service mode.
2. Receive the 16-step grey scale computer signal with **Input 1 [PC analog]** mode.
3. To start the auto-calibration for PC adjustment, select group no. "**680**", item no. "**0**" and then change data value from "**0**" to "**1**". After the auto-calibration completed, "OK" will appear on the screen.

4 Video-Auto Calibration -1

1. Enter the service mode.
2. Receive the 16-step grey scale 480i-component video signal with **Input 2 [Y,Pb/Cb,Pr/Cr]** mode.
3. To start the auto-calibration for Video adjustment, select group no. "**680**", item no. "**0**" and then change data value from "**0**" to "**1**". After the auto-calibration completed, "OK" will appear on the screen.

5 Video-Auto Calibration -2

1. Enter the service mode.
2. Receive the 16-step grey scale composite video signal with **Input 3 [Video]** mode.
3. To start the auto-calibration for composite video adjustment, select group no. "**680**", item no. "**0**" and then change data value from "**0**" to "**1**". After the auto-calibration completed, "OK" will appear on the screen.

6 Common Center adjustment

1. Receive the 50%-Whole Gray composite video signal with **Input 3 [Video]** mode.
2. Enter the service mode.
3. Select group no. "**100**", item no. "**92**" and change data value to "**2**" to reduce the panel frequency.
4. Project only green light component to the screen.
5. Select group no. "**200**", item no. "**9**" and change data value to obtain the minimum flicker on the screen.
6. Project only blue light component to the screen.
7. Select item no. "**10**" and change data value to obtain the minimum flicker on the screen.
8. Project only red light component to the screen.
9. Select item no. "**11** and change data value to obtain the minimum flicker on the screen.
10. Select group no. "**100**", item no. "**92**" and change data value to "**0**" to reset the panel frequency.

7 Gamma Shift adjustment

1. Receive the 100%-whole-white computer signal with **Input 1 [PC analog]** mode.
2. Enter the service mode.
3. Measure luminance on the screen with the luminance meter. It is **A** for the reading of luminance meter.
4. Change the signal source to the 50%whole-white computer signal with **Input 1 [PC analog]** mode.
5. Select group no. "**920**", item no. "**6**" and change the Data value to make the reading of luminance meter to be **A x 22%.**

8 White Balance adjustment [PC]

This adjustment is carried out in the both of image mode "Standard" and "Real".

1. Receive the 50%-whole-white computer signal with **Input 1 [PC analog]** mode.
2. Set image mode to "Standard" or "Real" you intend to adjust.
3. Enter the service mode, select group no. "**920**" item no. "**5**" (Red) or "**7**" (Blue), and change Data values respectively to make a proper white balance.

Conform that proper white balance is obtained in the both of image mode "Standard" and "Real".

9 Gamma Correction adjustment [PC]

This adjustment is carried out in the both of image mode "Standard" and "Real".

1. Receive the 16-step grey scale computer signal with **Input 1 [PC analog]** mode.
2. Set image mode to "Standard" or "Real" you intend to adjust.
3. Enter the service mode, select group no. "**920**", item no. "**6**" and change the Data value to make a proper 16 steps gradation.

Conform that proper 16 steps gradation is obtained in the both of image mode "Standard" and "Real".

10 White Balance adjustment [AV]

This adjustment is carried out in the both of image mode "Standard" and "Cinema".

1. Receive the 50%-whole-white composite video signal with **Input 3 [Video]** mode.
2. Set image mode to "Standard" or "Cinema" you intend to adjust.
3. Enter the service mode, select group no. "**920**" item no. "**5**" (Red) or "**7**" (Blue), and change Data values respectively to make a proper white balance.

Conform that proper white balance is obtained in the both of image mode "Standard" and "Real".

11 Gamma Correction adjustment [AV]

This adjustment is carried out in the both of image mode "Standard" and "Cinema".

1. Receive the 16-step grey scale composite video signal with **Input 3 [Video]** mode.
2. Set image mode to "Standard" or "Cinema" you intend to adjust.
3. Enter the service mode, select group no. "**920**", item no. "**6**" and change the Data value to make a proper 16 steps gradation.

Conform that proper 16 steps gradation is obtained in the both of image mode "Standard" and "Cinema".

12 White Uniformity Adjustment

If you find the color shading on the screen, please adjust the white uniformity by using the proper computer and "Projector Service Toll" software supplied separately.

13 Wind Sensor Calibration

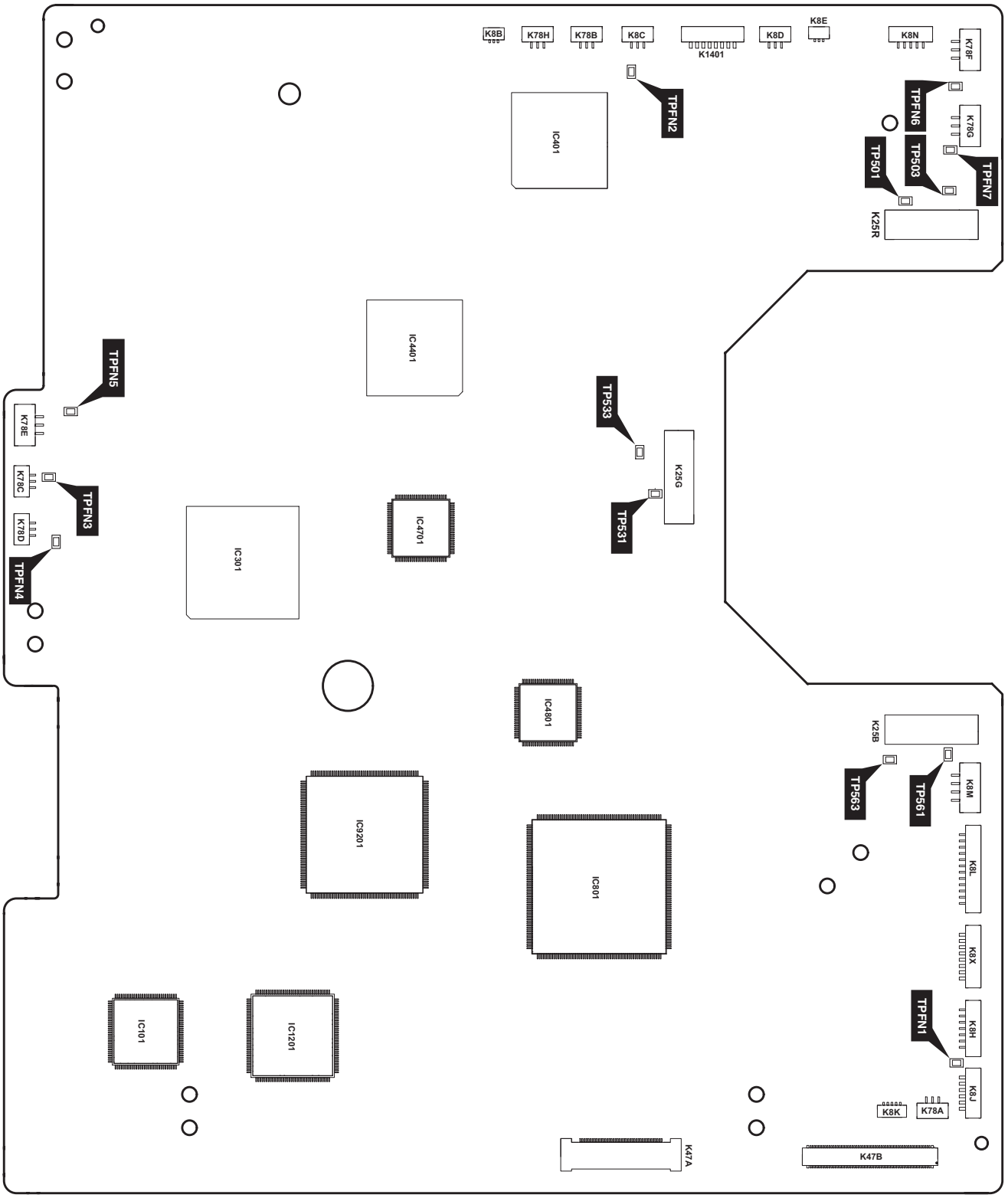
1. Enter the service mode, select group no. "**170**" and item no. "**0**" .
2. To start the calibration, change data value from "**0**" to "**1**". During the calibration, the word "Please wait..." appears on the screen. After the calibration completed correctly, "OK" will appear on the screen.

IMPORTANT

Before taking this adjustment, you need to replace the filter cartridge with new one or scrolled up to new filter.

Test Points and Locations

MAIN BOARD



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.

Grp	Item	Item Name	Function	Range	Initial
0		Temperature Monitor [Read only]			
	0	LM76(Temp) A Monitor	Temp. Sensor A (Room:IC1692)	-	-
	1	LM76(Temp) B Monitor	Temp. Sensor B (Lamp:IC1816)	-	-
	2	LM76(Temp) C Monitor	Temp. Sensor C (Panel:IC1814)	-	-
1		Pressure Sensor Monitor [Read only]			
	0	MPXHZ6115A(Pressure) Monitor	Pressure Sensor	-	-
	1	MPXHZ6115A(Pressure) Monitor	Pressure Sensor [mmHg]	-	-
	2	MPXHZ6115A(Pressure) Monitor	Pressure Sensor [hpa]	-	-
3		Angle Sensor Monitor [Read only]			
	0	MAS1390 (Acceleration) A Monitor	Angle Sensor A	-	
	1	MAS1390 (Acceleration) B Monitor	Angle Sensor B	-	
				-	
4		Wind Sensor Monitor [Read only]			
	0	Flow Sensor Monitor	Wind Sensor	-	
5		Fan Voltage Monitor [Read only]			
	0	FAN A Monitor (Exhaust: Large)	Fan voltage (x0.01V) [A01]	-	-
	1	FAN B Monitor (Exhaust: Small)	Fan voltage (x0.01V) [A02]	-	-
	2	FAN C Monitor (PBS)	Fan voltage (x0.01V) [A03]	-	-
	3	FAN D Monitor (Power)	Fan voltage (x0.01V) [A04]	-	-
	4	FAN E Monitor (Panel Coolling)	Fan voltage (x0.01V) [A05]	-	-
	5	FAN F Monitor (Panel Coolling)	Fan voltage (x0.01V) [A06]	-	-
10		RS232C Setting			
	0	Baudrate	RS232C Baud Rate (0:19200 / 1:9600)	0 / 1	0
	1				
11		PJ-Net Setting			
	0	Reset Disable	PJ-Net Reset (0:Enable / 1:Disable)	0 / 1	0
20		Logo Prohibition			
	0	Logo Prohibition	0: Menu, 1: Prohibition	0 / 1	0
30		Color Shading/Gamma Correction			
	0	Color Shading Correction On/Off	0: Off, 1:On *Not memorized	0 / 1	1
	1	Gamma Correction On/Off	0: Off, 1:On *Not memorized	0 / 1	1
40		Dimmer			
	0				
	1	Dimmer Level	0:Min.W ~ 15:Max.W *Memorized	0 ~ 15	11
	2	DIMMER CTRL LEVEL1	Luminance Level 1 Data for Dimmer: Less than value	0 ~ 255	7
	3	DIMMER CTRL LEVEL2	Luminance Level 2 Data for Dimmer: Less than value	0 ~ 255	14
	4	DIMMER CTRL LEVEL3	Luminance Level 3 Data for Dimmer: Less than value	0 ~ 255	21
	5	DIMMER CTRL LEVEL4	Luminance Level 4 Data for Dimmer: Less than value	0 ~ 255	28
	6	DIMMER CTRL LEVEL5	Luminance Level 5 Data for Dimmer: Less than value	0 ~ 255	35
	7	DIMMER CTRL LEVEL6	Luminance Level 6 Data for Dimmer: Less than value	0 ~ 255	42
	8	DIMMER CTRL LEVEL7	Luminance Level 7 Data for Dimmer: Less than value	0 ~ 255	49
	9	DIMMER CTRL LEVEL8	Luminance Level 8 Data for Dimmer: Less than value	0 ~ 255	56
	10	DIMMER CTRL LEVEL9	Luminance Level 9 Data for Dimmer: Less than value	0 ~ 255	63
	11	DIMMER CTRL LEVEL10	Luminance Level 10 Data for Dimmer: Less than value	0 ~ 255	70
	12	DIMMER CTRL LEVEL11	Luminance Level 11 Data for Dimmer: Less than value	0 ~ 255	77
	13	DIMMER CTRL LEVEL12	Luminance Level 12 Data for Dimmer: Less than value	0 ~ 255	84
	14	DIMMER CTRL LEVEL13	Luminance Level 13 Data for Dimmer: Less than value	0 ~ 255	91
	15	DIMMER CTRL LEVEL14	Luminance Level 14 Data for Dimmer: Less than value	0 ~ 255	98
	16	DIMMER CTRL LEVEL15	Luminance Level 15 Data for Dimmer: Less than value	0 ~ 255	105
	17	DIMMER AVE POINT	Dimmer Avarage Points	1~16	4
50		Auto Picture Control			
	0	Auto Picture Control Forced OFF	0: Menu 1: Forced Off *Memorized	0 / 1	Initial=1, Ship=0
70		COOLING			

Electrical Adjustment

Grp	Item	Item Name	Function	Range	Initial
	0	COOLING_TIME	Cooling time at Power Off	10 ~ 120	90
	1	Not used	Not used		-1
80		Projector used time Reset			
	0	PJ Time Reset	Time is reset when the value is set to 10.	0 ~ 10	0
90		Operation history			
	0	OPERATION_HISTORY_1	Last Operation history	0 ~ 32767	0
	~	:	:	:	:
	49	OPERATION_HISTORY_50	50th Operation history	0 ~ 32767	0
	50	OPERATION_HISTORY Reset	History is reset when the value is set to 10.	0 ~ 10	0
91		Error Log	* Refer to Error Log table		
	0	Warning_Log_1	Last Error Log	0 ~ 32767	0
	~	:	:	:	:
	49	Warning_Log_50	50th Error Log	0 ~ 32767	0
	50	Warning_Log Reset	Log is reset when the value is set to 10.	0 ~ 10	0
112		Lamp Config			
	0	Lamp Config Change	Lamp Life Select	1000 ~ 8000	2500
113		Lamp Reset Counter [Read only]			
	0	Lamp Reset times	Lamp reset times	0 ~ 127	0
115		Lamp Go Out			
	0	Lamp Go Out	0:Disable / 1:Enable	-	0
116		Lamp Replace Dipsplay			
	0	Lamp time display	0:Disable / 1:Enable	0/1	1
117		Lamp Life Test			
	0	Lamp life test enable	0:Disable 1:Enable for Safety check	-	0
	1	Lmap On time(for life test)	Minutes for Safety check	-	1
	2	Lamp Off time(for life test)	Minutes for Safety check	-	3
	3	Lamp total time(for life test)	Hours for Safety check	-	0
120		RC KEY Disable			
	0				
	1	RC KEY Front/Rear Disable	0:Enable / 1:Front RC Disable / 2:Rear RC Disable / 3:RC KEY All Disable	0 / 1 / 2 / 3	0
	2				
130		75 ohm terminated			
	0	TERM_1	Input1(D_SUB)75 ohm terminated ON/OFF (0:OFF 1:ON)	0 / 1	0
	1	TERM_2	Input2(BNC)75 ohm terminated ON/OFF (0:OFF 1:ON)	0 / 1	0
140		Fan Adjustment			
	0	Fan A Max (DAC)	Fan DAC Output adjustment	0 ~ 255	224
	1	Fan A Min (DAC)	* Lamp Mode : Forced Eco	0 ~ 255	38
	2	Fan B Max (DAC)		0 ~ 255	225
	3	Fan B Min (DAC)	Volmin=5V	0 ~ 255	36
	4	Fan C Max (DAC)	Volmax=13.8V	0 ~ 255	229
	5	Fan C Min (DAC)	(DACmax - DACmin) / (Volmax - Volmin) * (Volnow - Volmin) + DACmin	0 ~ 255	35
	6	Fan D Max (DAC)		0 ~ 255	227
	7	Fan D Min (DAC)		0 ~ 255	38
	8	Fan E Max (DAC)		0 ~ 255	222
	9	Fan E Min (DAC)		0 ~ 255	36
	10	Fan F Max (DAC)		0 ~ 255	222
	11	Fan F Min (DAC)		0 ~ 255	38
141		Fan Option			
142		Fan Temp Error Setting [Read only}	Read only		
	0	Temp A Warning	Temp. A (Room) to judge for abnormal temp (x0.1°C)	0 ~ 1000	470
	1	Temp B Warning	Temp. A (Lamp) to judge for abnormal temp (x0.1°C)	0 ~ 1000	750
	2	Temp C Warning	Temp. A (Panel) to judge for abnormal temp (x0.1°C)	300 ~ 1000	650
	3	Temp B-A Warning	Temp. B-A (Filter Clogged) to judge for abnormal temp (x0.1°C)	0 ~ 1000	500
	4	Temp C-A Warning	Temp. C-A (Filter Clogged) to judge for abnormal temp (x0.1°C)	0 ~ 1000	310

Electrical Adjustment

Grp	Item	Item Name	Function	Range	Initial
143		Fan Manual Control			
	0	Fan Fix SW	0:normal / 1:Normal Min / 2:Normal Max / 3:Eco Min / 4 :Eco Max * Not memorized , Abnormal temp=100°C	0 ~ 4	0
	1	Fan Manual SW	FanManual Control SW 0:Auto / 1：Manual * Not memorized	0 / 1	0
	2	Fan A Manual Out	Fan Voltage at Manual Mode * Not memorized (x0.01V) * Effective only Fan Manual SW is 1	0 ~ 2000	1350
	3	Fan B Manual Out		0 ~ 2000	1350
	4	Fan C Manual Out		0 ~ 2000	1350
	5	Fan D Manual Out		0 ~ 2000	1350
	6	Fan E Manual Out		0 ~ 2000	1350
	7	Fan F Manual Out		0 ~ 2000	1350
144		Fan Table Setting			
	0	Fan Control Max Temp	Fan control range of Temp Sensor A (x0.01V)	300 ~ 1000	380
	1	Fan Control Min Temp		0 ~ 1000	310
	2	Fan A Normal Max (Volt)	Fan control range at Lamp Normal (x0.01V)	0 ~ 2000	1350
	3	Fan A Normal Min (Volt)	* It does not change with real time	0 ~ 2000	900
	4	Fan B Normal Max (Volt)		0 ~ 2000	1350
	5	Fan B Normal Min (Volt)		0 ~ 2000	700
	6	Fan C Normal Max (Volt)		0 ~ 2000	1380
	7	Fan C Normal Min (Volt)		0 ~ 2000	1380
	8	Fan D Normal Max (Volt)		0 ~ 2000	1350
	9	Fan D Normal Min (Volt)		0 ~ 2000	1200
	10	Fan E Normal Max (Volt)		0 ~ 2000	1350
	11	Fan E Normal Min (Volt)		0 ~ 2000	700
	12	Fan F Normal Max (Volt)		0 ~ 2000	1350
	13	Fan F Normal Min (Volt)		0 ~ 2000	700
	14	Fan A Eco Max (Volt)	Fan control range at Eco Normal (x0.01V)	0 ~ 2000	1350
	15	Fan A Eco Min (Volt)	* It does not change in real time	0 ~ 2000	500
	16	Fan B Eco Max (Volt)		0 ~ 2000	1350
	17	Fan B Eco Min (Volt)		0 ~ 2000	500
	18	Fan C Eco Max (Volt)		0 ~ 2000	700
	19	Fan C Eco Min (Volt)		0 ~ 2000	700
	20	Fan D Eco Max (Volt)		0 ~ 2000	1350
	21	Fan D Eco Min (Volt)		0 ~ 2000	1100
	22	Fan E Eco Max (Volt)		0 ~ 2000	1350
	23	Fan E Eco Min (Volt)		0 ~ 2000	500
	24	Fan F Eco Max (Volt)		0 ~ 2000	1350
	25	Fan F Eco Min (Volt)		0 ~ 2000	500
145		Fan Temp. Offset Setting			
	0	Temp A Warning Offset (Temp)	Temp. warning offset value at Power On (x0.1℃)	0 ~ 200	170
	1	Temp B Warning Offset (Temp)		0 ~ 200	170
	2	Temp C Warning Offset (Temp)		0 ~ 200	170
	3	Temp B-A Warning Offset (Temp)		0 ~ 200	170
	4	Temp C-A Warning Offset (Temp)		0 ~ 200	170
	5	Temp A Warning Offset (Time)	Temp. warning offset time at Power On (sec.)	0 ~ 300	180
146		Fan Start Setting			
	0	Fan Start Step (Volt/Sec)	Voltage deviation/1 sec at Fan start (Volt/Sec)	0 ~ 2000	20
	1	Fan A Start Volt	Fan start voltage (x0.01V)	0 ~ 2000	700
	2	Fan B Start Volt		0 ~ 2000	700
	3	Fan C Start Volt		0 ~ 2000	700
	4	Fan D Start Volt		0 ~ 2000	700
	5	Fan E Start Volt		0 ~ 2000	700
	6	Fan F Start Volt		0 ~ 2000	700
147		Fan Pressure Setting			
	0	Press Source Range Low	Press sensor control range (mmHG)	0~1024	525
	1	Press Source Range High		0~1024	700
	2	Press Fan Add Range High		0 ~ 2000	0
	3	Press Fan Add Range Low		0 ~ 2000	650
148		Fan Ceiling Setting			
	0	FAN A Ceiling Offset	Offset voltage at Ceiling (x0.01V)	0 ~ 2000	0
	1	FAN B Ceiling Offset		0 ~ 2000	0
	2	FAN C Ceiling Offset		0 ~ 2000	0
	3	FAN D Ceiling Offset		0 ~ 2000	0
	4	FAN E Ceiling Offset		0 ~ 2000	0
	4	FAN F Ceiling Offset		0 ~ 2000	0

Electrical Adjustment

Grp	Item	Item Name	Function	Range	Initial
149		Fan Clogged Setting			
	0	Temp C-A Upward High	Fan voltage addition by Sensor A - C temp Upward High	0 ~ 1000	300
	1	Temp C-A Upward Low	Fan voltage addition by Sensor A - C temp Upward Low	0 ~ 1000	280
	2	Temp C-A Downward High	Fan voltage addition by Sensor A - C temp Downward High	0 ~ 1000	150
	3	Temp C-A Downward Low	Fan voltage addition by Sensor A - C temp Downward Low	0 ~ 1000	110
150		Shipping Setting			
	0	Shipping Setting	Shipping Set when the value is set to 10.	0 ~ 10	0
170		Wind Sensor			
	0	Flow Sensor Calibration	Wind Sensor Offset Auto-Calibration Calibration starts when the value is set to 1. After calibration, OK is displayed.	0 ~ 1	0
	1	Flow Sensor Offset Min	Wind Sensor Mini Offset value * After calibration, the value is set automatically. (Offset Range: 350 - 550)	0 ~ 1023	0
	2	Flow Sensor Offset Max	Wind Sensor Max Offset value * After calibration, the value is set automatically. (Offset Range: 550 - 800)	0 ~ 1023	0
	3	Flow Sensor Calibration Error Log	Error Log for Auto-Calibration 0: No Error 10: Min not stabilized 11: Min out of offset range 20: Max not stabilized 21: Max out of offset range		
	4	Clog Check Enable	Clogged Detection (0: Disable / 1: Enable)	0 ~ 1	Initial=0, Ship=1
171		Wind Sensor			
	0	Ideal Flow Data	Airflow data theory for current fan voltage (Read only)	-	-
	1	Flow Difference Data	Differential value between actual and theory (Read only	-	-
	2	Clog Detect Flow Difference Data	“Differential value to judge “Clogged”(Read only)	-	-
	3	Warn Detect Flow Difference Data	“Differential value to judge “Clogged warning“ (Read only) Judge when the remaining scroll times is 0.	-	-
	4	Press Add Data	Additional value of press sensor	-	-
	5	Filter Scroll Timer	Filter scroll timer (hours)(Read only) * Execute at 2000 hours	-	-
175		Filter			
	0	Compulsion Filter Taking Up	Filter scroll forcedly *Execute when the value is set to 1	0 ~ 1	0
	1	Take Up Bend	Remove flexure of filter *Execute when the value is set to 1	0 ~ 1	0
	2	Take Up Times	Filter scroll remaining times (Read only)	-	9
	3	Take Up Time Reset	Reset of scroll up times *Reset when the value is set to 10.	0 ~ 10	0
	4	Scroll Counter Reset Time	Scroll Counter reset times (Read only)	0 ~ 255	0
176		Filter Dispplay			
	0	Filter Icon Display	Display 0: Disable / 1: Enable	0/1	1
177		Filter Timer			
	0	Filter Timer Reset Times	Filter time reset times with user menu	0 ~ 255	0
	1	Force Power Off Time	Forced Power Off Time (hours)	0 ~ 1000	10
180		DDC Setting			
	0	HDCP EDID Data Setting	0:DVI EDID Data / 1:HDCP EDID Data	0 / 1	1
190		Panel Life Test			
	0	Panel Life enable	0: Test Mode ON, Test Mode OFF	0 / 1	1
200		CXA7007			
	0	G SIG Center		0 ~ 63	32
	1	B SIG Center		0 ~ 63	32
	2	R SIG Center		0 ~ 63	32
	3	G Gain Control		0 ~ 255	194
	4	B Gain Control		0 ~ 255	194
	5	R Gain Control		0 ~ 255	194
	6	G Bright Control		0 ~ 255	0
	7	B Bright Control		0 ~ 255	0
	8	R Bright Control		0 ~ 255	0
	9	G VCOM Control		0 ~ 255	104
	10	B VCOM Control		0 ~ 255	104
	11	R VCOM Control		0 ~ 255	104

Electrical Adjustment

Grp	Item	Item Name	Function	Range	Initial
	12	G SID Control A		0 ~ 255	16
	13	B SID Control A		0 ~ 255	16
	14	R SID Control A		0 ~ 255	16
	15	G SID Control B		0 ~ 255	130
	16	B SID Control B		0 ~ 255	130
	17	R SID Control B		0 ~ 255	130
	18	G FRINV		0 ~ 1	0
	19	B FRINV		0 ~ 1	0
	20	R FRINV		0 ~ 1	0
290		Panel			
	0	PANEL_LR	Panel Type Display (Read only) 0: Type-L / 20: Type-R	-	0
	1	PANEL_CHG	Gamma data will be reset when the value is set to 0 or 20. 20: Type-R, 0: Type-L	0 ~ 20	10
300		Built-in Device: CXD3815			
	0	Component Y Level	Component Scart Input Gain Adj. Group 01 : <YCbCr>1080i-60, 1080i-50, 1035i <RGB>1080i-60, 1080i-50, 1035i Group 02 : <YCbCr>720p-60, 720p-60 <RGB>720p-60, 720p-50 Group 03 : <YCbCr>480p, 575p <RGB>480p, 575p Group 04 : <YCbCr>480i, 575i <RGB>480i, 575i Group 05 <Scart>480i, 575i	0 - 255	118 118 118 118 134
	1	Component C Level	Component SCart Input Gain Adj. Group 01 : <YCbCr>1080i-60, 1080i-50, 1035i <RGB>1080i-60, 1080i-50, 1035i Group 02 : <YCbCr>720p-60, 720p-60 <RGB>720p-60, 720p-50 Group 03 : <YCbCr>480p, 575p <RGB>480p, 575p Group 04 : <YCbCr>480i, 575i <RGB>480i, 575i Group 05 <Scart>480i, 575i Note: Link with Group 4	0 - 255	110 110 127 134 150
	2	CVBS Y Level	CVBS/Yinput Gain Adj. Composite / S-VIDEO	0 - 255	162/163
	3	CVBS C Level	C Input Gain Adj. Composite / S-VIDEO	0 - 255	124/127
	4	Sub Hue	CVBS/S Input (NTSC)Tint Adj.	0 - 63	32
	5	HS Slice Level	H Sync Slice Level	0 - 15	4
	6	HS Slice Offset	Offset of H Sync Slice Level Group 01 : <YCbCr>480i, 575i Group 02 : <YCbCr>480p, 575p Group 03 : <YCbCr>720p Group 04 : <YCbCr>1080i Group 05 : Others	0 - 15	5 5 4 3 5
	7	VS Slice Level	V Sync Slice Level	0 - 15	6
	8	VS Slice Offset	Offset for V Sync Slice Level	0 - 15	6
	9	Sampling Phase	A/D Clock Phase	0 - 63	0
	10	Pre Shoot Level	Sub-Sharpness	0 - 15	8
	11	Over Shoot Level	Sub-Sharpness	0 - 15	8
	12	Y Filter	Y Input Filter band Setting Group 01 : Composite, S-Video Group 02 : 480i, 575i, 480p, 575p Group 03 : 720p-60, 720p-50, 1035i, 1080i-60, 1080i-50	0 - 7	5 5 6
	13	C Filter	C Input Filter Band Setting Group 01 : Composite, S-Video Group 02 : 480i, 575i, 480p, 575p Group 03 : 720p-60, 720p-50, 1035i, 1080i-60, 1080i-50	0 - 7	5 5 6
	14	NTSC/PAL Detect	NTSC/PAL Detection Threshold Setting 0 : 64H/1V - PAL Ident Strong 1 : 96H/1V 2 : 128H/1V 3 : 160H/1V - PAL Ident Weak * Change is effective at System -Auto Selection	0 - 3	2
302		Built-in Deveice: FPGA(DEMO_MODE)	SH		
	0	FPGA_DEMO_ON_OFF	Demo mode On/Off(0:Off,1:On) * Not memorized	0 ~ 1	0
	1	FPGA_DEMO_MODE	Demo mode Switch (0:Demo0,1:Demo1 •••) * Not memorized	0 ~ 3	0
303		Built-in Device: FPGA(Color Maneg.)	SH		
	0	YRange	Brightness (Y) Range	0 ~ 32	8
	1	HueRange	Hue Range	0 ~ 20	10
	2	GainRange	Gain Range	0 ~ 50	30

Electrical Adjustment

Grp	Item	Item Name	Function	Range	Initial
	3	GM_MinSlope	Gamma Mini Slope (x0.01)	0 ~ 10	3
	4	GM_MaxSlope	Gamma Max Slope (x0.1)	10 ~ 30	18
	5	GM_Converge	Gamma Convarge Point Numbers (x0.1)	1 ~ 5	3
	6	Not used	Not used	-	-
	7	Not used	Not used	-	-
	8	COLM_GET_KIND_Y_ud	Point Numbers at Color Acquired	1 ~ 9	9
	9	Not used	Not used	-	-
	10	Not used	Not used	-	-
	11	SameHue	Hue Comp same angle range	1 ~ 10	3
	12	Cut_UVNorm	Hue Comp UV Norm Mini Value	0 ~ 64	5
	13	Cur_MinY	Hue Comp Brightness Mini Value	0 ~ 127	0
	14	Cur_MaxY	Hue Comp Brightness Max Value	128 ~ 255	255
	15	CM_IsAccess	For Debag	0 ~ 1	1
310		Built-in Device: AD9882			
	0	GREEN_OFFSET		0 - 127	63
	1	RED_OFFSET		0 - 127	63
	2	BLUE_OFFSET		0 - 127	63
	3	GREEN_GAIN		0 - 255	78
	4	RED_GAIN		0 - 255	78
	5	BLUE_GAIN		0 - 255	78
	6	BANDWIDTH	Analog	0 - 1	1
	7	Last Calib Table [Offset]	Frequency Range at Auto-Calibration *Read only 255 is default 0:OFFSET_Thresh 0 less 1:OFFSET_Thresh 0 - 1 2:OFFSET_Thresh 1- 2 3:OFFSET_Thresh 1- 2 ~~ 6:OFFSET_Thresh 5 more	0 - 6	255
	8	Last Calib Table [Gain]	Frequency Range at Auto-Calibration *Read only 255 is default 0:OFFSET_Thresh 0 less 1:OFFSET_Thresh 0 - 1 2:OFFSET_Thresh 1- 2 3:OFFSET_Thresh 1- 2 ~~ 6:OFFSET_Thresh 5 more	0 - 6	255
	9	OFFSET_THRESH_0	【MHz】	0 - 255	70
	10	OFFSET_THRESH_1	【MHz】	0 - 255	80
	11	OFFSET_THRESH_2	【MHz】	0 - 255	85
	12	OFFSET_THRESH_3	【MHz】	0 - 255	100
	13	OFFSET_THRESH_4	【MHz】	0 - 255	120
	14	OFFSET_THRESH_5	【MHz】	0 - 255	140
	15	GAIN_THRESH_0	【MHz】	0 - 255	70
	16	GAIN_THRESH_1	【MHz】	0 - 255	80
	17	GAIN_THRESH_2	【MHz】	0 - 255	85
	18	GAIN_THRESH_3	【MHz】	0 - 255	100
	19	GAIN_THRESH_4	【MHz】	0 - 255	120
	20	GAIN_THRESH_5	【MHz】	0 - 255	140
	21	OFFSET R 0 Under	OFFSET Thresh X - X Differential Data	0 - 255	121
	22	OFFSET R 0-1		0 - 255	123
	23	OFFSET R 1-2		0 - 255	124
	24	OFFSET R 2-3		0 - 255	128
	25	OFFSET R 3-4		0 - 255	131
	26	OFFSET R 4-5		0 - 255	131
	27	OFFSET R 5 Over		0 - 255	128
	28	OFFSET G 0 Under	OFFSET Thresh X - X Differential Data	0 - 255	123
	29	OFFSET G 0-1		0 - 255	124
	30	OFFSET G 1-2		0 - 255	125
	31	OFFSET G 2-3		0 - 255	128
	32	OFFSET G 3-4		0 - 255	131
	33	OFFSET G 4-5		0 - 255	130
	34	OFFSET G 5 Over		0 - 255	128
	35	OFFSET B 0 Under	OFFSET Thresh X - X Differential Data	0 - 255	126
	36	OFFSET B 0-1		0 - 255	125
	37	OFFSET B 1-2		0 - 255	126
	38	OFFSET B 2-3		0 - 255	128
	39	OFFSET B 3-4		0 - 255	132
	40	OFFSET B 4-5		0 - 255	133
	41	OFFSET B 5 Over		0 - 255	128
	42	GAIN R 0 Under	GAIN Thresh X - X Differential Data	0 ~ 255	129
	43	GAIN R 0-1		0 - 255	129

Grp	Item	Item Name	Function	Range	Initial
	44	GAIN R 1-2		0 - 255	129
	45	GAIN R 2-3		0 - 255	128
	46	GAIN R 3-4		0 - 255	127
	47	GAIN R 4-5		0 - 255	126
	48	GAIN R 5 Over		0 - 255	128
	49	GAIN G 0 Under	GAIN Thresh X - X Differential Data	0 - 255	129
	50	GAIN G 0-1		0 - 255	129
	51	GAIN G 1-2		0 - 255	129
	52	GAIN G 2-3		0 - 255	128
	53	GAIN G 3-4		0 - 255	127
	54	GAIN G 4-5		0 - 255	126
	55	GAIN G 5 Over		0 - 255	128
	56	GAIN B 0 Under	GAIN Thresh X - X Differential Data	0 - 255	130
	57	GAIN B 0-1		0 - 255	127
	58	GAIN B 1-2		0 - 255	127
	59	GAIN B 2-3		0 - 255	128
	60	GAIN B 3-4		0 - 255	128
	61	GAIN B 4-5		0 - 255	127
	62	GAIN B 5 Over		0 - 255	128
311		Built-in Device: M62393FP			
	0	R_CLAMP		0 - 255	0
	1	G_CLAMP		0 - 255	0
	2	B_CLAMP		0 - 255	0
400		Composite (NTSC)	Composite / S-Video		
	0	Total Dots	* Read only	0 ~ 3000	858
	1	Disp Dots		0 ~ 3000	668
	2	H Back Porch		0 ~ 3000	128
	3	V Back Porch		0 ~ 3000	47
	4	Disp Line		0 ~ 1500	456
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
401		Composite (PAL)	Composite / S-Video		
	0	Total Dots	* Read only	0 ~ 3000	864
	1	Disp Dots		0 ~ 3000	656
	2	H Back Porch		0 ~ 3000	147
	3	V Back Porch		0 ~ 3000	64
	4	Disp Line		0 ~ 1500	534
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
410		SCART(480i)			
	0	Total Dots	* Read only	0 ~ 3000	858
	1	Disp Dots		0 ~ 3000	668
	2	H Back Porch		0 ~ 3000	130
	3	V Back Porch		0 ~ 3000	47
	4	Disp Line		0 ~ 1500	456
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
411		SCART (575i)			
	0	Total Dots	* Read only	0 ~ 3000	864
	1	Disp Dots		0 ~ 3000	656
	2	H Back Porch		0 ~ 3000	146
	3	V Back Porch		0 ~ 3000	64
	4	Disp Line		0 ~ 1500	534
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2

Electrical Adjustment

Grp	Item	Item Name	Function	Range	Initial
420		YCbCr (480i)			
	0	Total Dots	* Read only	0 ~ 3000	858
	1	Disp Dots		0 ~ 3000	668
	2	H Back Porch		0 ~ 3000	130
	3	V Back Porch		0 ~ 3000	47
	4	Disp Line		0 ~ 1500	456
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
421		YCbCr (575i)			
	0	Total Dots	* Read only	0 ~ 3000	864
	1	Disp Dots		0 ~ 3000	656
	2	H Back Porch		0 ~ 3000	146
	3	V Back Porch		0 ~ 3000	64
	4	Disp Line		0 ~ 1500	534
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
422		YCbCr (480P)			
	0	Total Dots	* Read only	0 ~ 3000	858
	1	Disp Dots		0 ~ 3000	684
	2	H Back Porch		0 ~ 3000	122
	3	V Back Porch		0 ~ 3000	46
	4	Disp Line		0 ~ 1500	460
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
423		YCbCr (575P)			
	0	Total Dots	* Read only	0 ~ 3000	864
	1	Disp Dots		0 ~ 3000	692
	2	H Back Porch		0 ~ 3000	128
	3	V Back Porch		0 ~ 3000	56
	4	Disp Line		0 ~ 1500	550
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
424		YCbCr (720P -60)			
	0	Total Dots	* Read only	0 ~ 3000	1650
	1	Disp Dots		0 ~ 3000	1250
	2	H Back Porch		0 ~ 3000	306
	3	V Back Porch		0 ~ 3000	34
	4	Disp Line		0 ~ 1500	700
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
425		YCbCr (720P-50)			
	0	Total Dots	* Read only	0 ~ 3000	1980
	1	Disp Dots		0 ~ 3000	1250
	2	H Back Porch		0 ~ 3000	304
	3	V Back Porch		0 ~ 3000	34
	4	Disp Line		0 ~ 1500	700
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
426		YCbCr (1080i-60)			
	0	Total Dots	* Read only	0 ~ 3000	2200
	1	Disp Dots		0 ~ 3000	1872
	2	H Back Porch		0 ~ 3000	248

Grp	Item	Item Name	Function	Range	Initial
	3	V Back Porch		0 ~ 3000	54
	4	Disp Line		0 ~ 1500	1050
	5	***	* Not used		
	6	***	* Not used		
	7	***	* Not used		
	8	VSBEG		0 ~ 15	2
427		YCbCr (1035i)			
	0	Total Dots	* Read only	0 ~ 3000	2200
	1	Disp Dots		0 ~ 3000	1872
	2	H Back Porch		0 ~ 3000	248
	3	V Back Porch		0 ~ 3000	90
	4	Disp Line		0 ~ 1500	1012
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
428		YCbCr (1080i-50)			
	0	Total Dots	* Read only	0 ~ 3000	2640
	1	Disp Dots		0 ~ 3000	1872
	2	H Back Porch		0 ~ 3000	248
	3	V Back Porch		0 ~ 3000	54
	4	Disp Line		0 ~ 1500	1050
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
430		RGB Video (480i)			
	0	Total Dots	* Read only	0 ~ 3000	858
	1	Disp Dots		0 ~ 3000	668
	2	H Back Porch		0 ~ 3000	126
	3	V Back Porch		0 ~ 3000	47
	4	Disp Line		0 ~ 1500	456
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
431		RGB Video (575i)			
	0	Total Dots	* Read only	0 ~ 3000	864
	1	Disp Dots		0 ~ 3000	656
	2	H Back Porch		0 ~ 3000	143
	3	V Back Porch		0 ~ 3000	64
	4	Disp Line		0 ~ 1500	534
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
432		RGB Video (480P)			
	0	Total Dots	* Read only	0 ~ 3000	858
	1	Disp Dots		0 ~ 3000	686
	2	H Back Porch		0 ~ 3000	115
	3	V Back Porch		0 ~ 3000	46
	4	Disp Line		0 ~ 1500	460
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
433		RGB Video (575P)			
	0	Total Dots	* Read only	0 ~ 3000	864
	1	Disp Dots		0 ~ 3000	692
	2	H Back Porch		0 ~ 3000	122
	3	V Back Porch		0 ~ 3000	56
	4	Disp Line		0 ~ 1500	550
	5		* Not used		
	6		* Not used		

Grp	Item	Item Name	Function	Range	Initial
	7		* Not used		
	8	VSBEG		0 ~ 15	2
434		RGB Video (720P-60)			
	0	Total Dots	* Read only	0 ~ 3000	1650
	1	Disp Dots		0 ~ 3000	1250
	2	H Back Porch		0 ~ 3000	289
	3	V Back Porch		0 ~ 3000	34
	4	Disp Line		0 ~ 1500	700
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
435		RGB Video (720P-50)	* Read only		
	0	Total Dots		0 ~ 3000	1980
	1	Disp Dots		0 ~ 3000	1250
	2	H Back Porch		0 ~ 3000	287
	3	V Back Porch		0 ~ 3000	34
	4	Disp Line	* Not used	0 ~ 1500	700
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
436		RGB Video (1080i-60)			
	0	Total Dots	* Read only	0 ~ 3000	2200
	1	Disp Dots		0 ~ 3000	1872
	2	H Back Porch		0 ~ 3000	231
	3	V Back Porch		0 ~ 3000	54
	4	Disp Line		0 ~ 1500	1050
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
437		RGB Video (1035i)			
	0	Total Dots	* Read only	0 ~ 3000	2200
	1	Disp Dots		0 ~ 3000	1872
	2	H Back Porch		0 ~ 3000	231
	3	V Back Porch		0 ~ 3000	90
	4	Disp Line		0 ~ 1500	1012
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
438		RGB Video (1080i-50)			
	0	Total Dots	* Read only	0 ~ 3000	2640
	1	Disp Dots		0 ~ 3000	1872
	2	H Back Porch		0 ~ 3000	231
	3	V Back Porch		0 ~ 3000	54
	4	Disp Line		0 ~ 1500	1050
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
440		HDCP (480P)			
	0		* Not used		
	1		* Not used		
	2		* Not used		
	3		* Not used		
	4		* Not used		
	5		* Not used		
	6		* Not used		
	7	OverScan	Over Scan Rate(0~25.5% : 0.1% Step)	0 ~ 255	0
	8	VSBEG		0 ~ 15	2
441		HDCP (575P)			

Grp	Item	Item Name	Function	Range	Initial
	0		* Not used		
	1		* Not used		
	2		* Not used		
	3		* Not used		
	4		* Not used		
	5		* Not used		
	6		* Not used		
	7	OverScan	Over Scan Rate(0~25.5% : 0.1% Step)	0 ~ 255	0
	8	VSBEG		0 ~ 15	2
442		HDCP (720P-60)			
	0		* Not used		
	1		* Not used		
	2		* Not used		
	3		* Not used		
	4		* Not used		
	5		* Not used		
	6		* Not used		
	7	OverScan	Over Scan Rate(0~25.5% : 0.1% Step)		
	8	VSBEG		0 ~ 15	2
443		HDCP (720P-50)			
	0		* Not used		
	1		* Not used		
	2		* Not used		
	3		* Not used		
	4		* Not used		
	5		* Not used		
	6		* Not used		
	7	OverScan	Over Scan Rate(0~25.5% : 0.1% Step)	0 ~ 255	0
	8	VSBEG		0 ~ 15	2
444		HDCP (1080i-60)			
	0		* Not used		
	1		* Not used		
	2		* Not used		
	3		* Not used		
	4		* Not used		
	5		* Not used		
	6		* Not used		
	7	OverScan	Over Scan Rate(0~25.5% : 0.1% Step)	0 ~ 255	0
	8	VSBEG		0 ~ 15	2
445		HDCP (1035i)			
	0		* Not used		
	1		* Not used		
	2		* Not used		
	3		* Not used		
	4		* Not used		
	5		* Not used		
	6		* Not used		
	7	OverScan	Over Scan Rate(0~25.5% : 0.1% Step)	0 ~ 255	0
	8	VSBEG		0 ~ 15	2
446		HDCP (1080i-50)			
	0		* Not used		
	1		* Not used		
	2		* Not used		
	3		* Not used		
	4		* Not used		
	5		* Not used		
	6		* Not used		
	7	OverScan	Over Scan Rate(0~25.5% : 0.1% Step)	0 ~ 255	0
	8	VSBEG		0 ~ 15	2
447					
	0		* Not used		
	1		* Not used		
	2		* Not used		
	3		* Not used		

Grp	Item	Item Name	Function	Range	Initial
	4		* Not used		
	5		* Not used		
	6		* Not used		
	7	OverScan	Over Scan Rate(0~25.5% : 0.1% Step)	0 ~ 255	0
	8	VSBEG		0 ~ 15	2
448		HDCP (1080-25psf)			
	0		* Not used		
	1		* Not used		
	2		* Not used		
	3		* Not used		
	4		* Not used		
	5		* Not used		
	6		* Not used		
	7	OverScan	Over Scan Rate(0~25.5% : 0.1% Step)	0 ~ 255	0
	8	VSBEG		0 ~ 15	2
449		HDCP (1080-24psf)			
	0		* Not used		
	1		* Not used		
	2		* Not used		
	3		* Not used		
	4		* Not used		
	5		* Not used		
	6		* Not used		
	7	OverScan	Over Scan Rate(0~25.5% : 0.1% Step)	0 ~ 255	0
	8	VSBEG		0 ~ 15	2
450		RGB-Video (1080-30psf)			
	0	Total Dots	* Read only	0 ~ 3000	2200
	1	Disp Dots		0 ~ 3000	1874
	2	H Back Porch		0 ~ 3000	230
	3	V Back Porch		0 ~ 3000	54
	4	Disp Line		0 ~ 1500	1050
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
451		RGB-Video (1080-25psf)			
	0	Total Dots	* Read only	0 ~ 3000	2640
	1	Disp Dots		0 ~ 3000	1874
	2	H Back Porch		0 ~ 3000	230
	3	V Back Porch		0 ~ 3000	54
	4	Disp Line		0 ~ 1500	1050
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
452		RGB-Video (1080-24psf)			
	0	Total Dots	* Read only	0 ~ 3000	2750
	1	Disp Dots		0 ~ 3000	1874
	2	H Back Porch		0 ~ 3000	250
	3	V Back Porch		0 ~ 3000	56
	4	Disp Line		0 ~ 1500	1050
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
453		RGB-Video (1080P-60)			
	0	Total Dots	* Read only	0 ~ 3000	1565
	1	Disp Dots		0 ~ 3000	1332
	2	H Back Porch		0 ~ 3000	174
	3	V Back Porch		0 ~ 3000	56
	4	Disp Line		0 ~ 1500	1050
	5		* Not used		
	6		* Not used		
	7		* Not used		

Electrical Adjustment

Grp	Item	Item Name	Function	Range	Initial
	8	VSBEG		0 ~ 15	2
454		RGB-Video (1080P-50)			
	0	Total Dots	* Read only	0 ~ 3000	1878
	1	Disp Dots		0 ~ 3000	1332
	2	H Back Porch		0 ~ 3000	174
	3	V Back Porch		0 ~ 3000	56
	4	Disp Line		0 ~ 1500	1050
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
455		RGB-Video (1080P-48)			
	0	Total Dots	* Read only	0 ~ 3000	1957
	1	Disp Dots		0 ~ 3000	1332
	2	H Back Porch		0 ~ 3000	174
	3	V Back Porch		0 ~ 3000	56
	4	Disp Line		0 ~ 1500	1050
	5		* Not used		
	6		* Not used		
	7		* Not used		
	8	VSBEG		0 ~ 15	2
600		PW Option			
	0	FrameLock Option	0: PC signal FrameLock OFF 1: PC signal and Vfreq 47Hz~Panel frequency range FrameLockON	0 - 1	1
	1	AV Screen Force True Mode	AV Signal Natural Wide -> True change 0 : Disable / 1 : Enable <True at Natural Wide>	0 - 1	0
	2	Field Sense Invert Enable	Invert FLDINV Setting 0 : Disable / 1 : Enable	0 - 1	0
	3				
	4				
	6	Device Refresh Disable	0: Enable (Normal) / 1: Disable *Not memorized	0 - 1	0
	12	V-Sync Bigin Value	Setup V-SYnc Start value	0 - 15	2
605		Spread Spectrum	Reset after AC Off		
	0	Enable	0 = Spreading Off / 1 = Spreading On	0 - 1	1
	1	Spreading Ratio	Default value: 100	0 - 300	50
	2	Modulator Frequency	Default value: 300	200 - 500	80
620		Sub Brightnes			
	0	Center Contrast	Composite / S-Video / Component / Digital /D-RGB-Video /AnalogRGB / RGB-Video / HDCP-PC /HDCP-AV /SCART/ PJ-Net Value= (Value at Menu - Center Value of Menu) x Alpha / 10 + Center Contrast [Max] 1023 [Min] 0 Brightness [Max] 1023 [Min] 0 Color [Max] 1023 [Min] 0 Tint [Max] 180 [Min] 0 Sharpness [Max] 23 [Min] 0 WB-Red [Max] 1023 [Min] 0 WB-Green [Max] 1023 [Min] 0 WB-Blue [Max] 1023 [Min] 0 BB-Red [Max] 1023 [Min] 0 BB-Green [Max] 1023 [Min] 0 BB-Blue [Max] 1023 [Min] 0”	0 - 1023	577/577/577/492/492 /535/577/492/492/572/492
	1	Center Brightness		0 - 1023	512/512/512/512/512 /508/512/512/512/520/512
	2	Center Color		0 - 1023	512/512/512/512/512 /512/512/512/512/512/512
	3	Center Tint			95/95/95/95/95 /95/95/95/95/95
	4	Center Sharpness			8/8/8/8/8 /8/8/8/8/8/8
	5	Center WhiteBalance-Red		0-1023	512/512/512/512/512 /512/512/512/512/512/512
	6	Center WhiteBalance-Green		0-1023	512/512/512/512/512 /512/512/512/512/512/512
	7	Center WhiteBalance-Blue		0-1023	512/512/512/512/512 /512/512/512/512/512/512
	8	Center BlackBalance-Red		0-1023	512/512/512/512/512 /512/512/512/512/512/512
	9	Center BlackBalance-Green		0-1023	512/512/512/512/512 /512/512/512/512/512/512
	10	Center BlackBalance-Blue		0-1023	512/512/512/512/512 /512/512/512/512/512/512

Electrical Adjustment

Grp	Item	Item Name	Function	Range	Initial
	11	Alpha Contrast			120/120/120/120/120/ 120/120/120/120/120/120
	12	Alpha Brightness			120/120/120/120/120/ 120/120/120/120/120/120
	13	Alpha Color			120/120/120/120/120/ 120/120/120/120/120/120
	14	Alpha Tint			10/10/10/10/10/ 10/10/10/10/10/10
	15	Alpha WhiteBalance-Red		0-500	40/40/40/40/40/ 40/40/40/40/40/40
	16	Alpha WhiteBalance-Green		0-500	40/40/40/40/40/ 40/40/40/40/40/40
	17	Alpha WhiteBalance-Blue		0-500	40/40/40/40/40/ 40/40/40/40/40/40
	18	Alpha BlackBalance-Red		0-500	20/20/20/20/20/ 20/20/20/20/20/20
	19	Alpha BlackBalance-Green		0-500	20/20/20/20/20/ 20/20/20/20/20/20
	20	Alpha BlackBalance-Blue		0-500	20/20/20/20/20/ 20/20/20/20/20/20
680		Auto Caribaration			
	0	Execute Calibration	Auto-calibration will execute when the value changes (For PC White-100% Adjustment)	0 - 1	0
	1	Loop Count	Maximum times of Calibration	1 - 30	3
	2	OFFSET AREA H START	H Start Position at Black level acquire area	0 - 1000	975
	3	OFFSET AREA V START	V Start Position at Black level acquire area	0 - 1000	500
	4	GAIN AREA H START	H Start Position at White level acquire area	0 - 1000	25
	5	GAIN AREA V START	V Start Position at White level acquire area	0 - 1000	500
	6	Image AREA H WIDTH	Black/White level acquire area width	0 - 4095	13
	7	Image AREA V HIGHT	Black/White level acquire area height	0 - 4095	9
	8	OFFSET target	Black level adj. target	0 - 127	1
	9	OFFSET torelance	Black level adj. trelance	1 - 127	1
	10	GAIN target	White level adj. target	0 - 255	235
	11	GAIN tolerance	White level adj. tolerance	1 - 255	1
	12	Auto Status	Auto Calibration Result * Read only 0: End correctly / 1: on adjustment / 9: End at Error	0 / 1 / 9	0
	13	Auto Wait	Wait value	1 - 20	1
	14	CHECK -Tolelance	Offset Final check Tolerance	1 - 255	1
681		AutoPC Adjust			
	0	AutoPCAdjustEnable	0:AutoPCAdjust Enable 1:AutoPCAdjust Prohibit	0 - 1	0
	1	Frequency Step	TotalDot Search Steps	0-3	1
	2	Frequency Threshold	TotalDot Match 0 [] <--- -----> 10[Not Match]	0 - 10	5
	3	Fine Phase	Fine Phase after Total Dot Adj. 0: FinePhase Enable / 0 : FinePhaseDiable	0 - 1	0
	4	BLKDET	Black Level Detect Area	0 - 3	1
	5	PHASEMSK	Phase Detect Filter 0: All bit 1:Lower 1 bit Disable 2: Lower 2 bit Disable 3: Lower 3 bit Disable	0 - 3	0
685		Auto Calibration - YCbCr <10bit>			
	0	Gain Area H Start - Y	Acquire Area of Y Signal H-Start Position	0 - 1000	25
	1	Gain Area V Start - Y	Acquire Area of Y Signal V-Start Position	0 - 1000	200
	6	Image Area H Width	Acquire Area of Signal Width	0 - 4095	13
	7	Image Area V Height	Acquire Area of Signal Height	0 - 4095	9
	8	Gain Target - Y	Target Value of Y Signal	0 - 1023	790
	11	Gain Tolerance	Gain Tolerance	0 - 1023	1
	12	Output Tolerance	Output Tolerance	0 - 1023	5
686		Auto Calibration - CVBS <10bit>			
	0	Gain Area H Start - Y	Acquire Area of Y Signal H-Start Position	0 - 1000	25
	1	Gain Area V Start - Y	Acquire Area of Y Signal V-Start Position	0 - 1000	200
	6	Image Area H Width	Acquire Area of Signal Width	0 - 4095	13
	7	Image Area V Height	Acquire Area of Signal Height	0 - 4095	9
	8	Gain Target - Y	Target Value of Y Signal	0 - 1023	790
	11	Gain Tolerance	Gain Tolerance	0 - 1023	1
	12	Output Tolerance	Output Tolerance	0 - 1023	5
690		CUSTOM(Aspect)			
	0	Connect	Indivisual/Interlock Selection 0:Indivusual/1:Interlock	0 - 1	0
	1	Horizontal Scaler	H-Scaler	0 - 200	100
	2	Horizontal Position	H-Position Correct	0 - 200	100

Grp	Item	Item Name	Function	Range	Initial
	3	RESET/STORE	H-Aspect Reset/Save 0:Reset/1:Save	0 - 1	0
	4	Vertical Scaler	V-Scaler	0 - 200	100
	5	Vertical Position	V-Position Correct	0 - 200	100
	6	RESET/STORE	V-Aspect Reset/Save 0:Reset/1:Save	0 - 1	0
	7	Not used	Not used	0 - 1	0
	8	CUSTOM ON/OFF	Custom Function 0: Disable/1:Enable	0 - 1	0
700		General			
	0	IP Mode	Setting at IP OFF 0: IP Block Not Use / 1: IP Block Used IP OFF	0 - 1	1
	1	3:2 PullDown Mode	bit0 : Global Motion / bit1 : Video Motion	1 - 3	1
	2	Detect Film Mode Enable	0 : 2:3pull down & 2:2pull down / 1 : 2:3pull down / 2 : 2:2pull down	0 - 2	0
	3	Force IP Mode	0 : IP Process Disable / 1 : Force Normal IP Mode / 2 : Force Film Mode * Effect only PSF Signal	0 - 2	2
701		De-interlace setting	Effect only Progressive ON / Film		
	0	Motion Adaptive Weight Value	<KDEINT>	0 - 255	25
	1	Angle Interpolation Level	0 : Conservative <====> 4 : Aggressive	0 - 4	2
	2	CUE Low Pass Filter Enable	<CUELPFEN>	0 - 1	0
711		Noise Reduction (Time)	Effect only N.R ON		
	0	Noise Pixel Range	<NSRANGEY> / <NSRANGEUV>	0 - 2	1
	1	Noise Region 0	<NSREGIONY0> / <NSREGIONUV0>	0 - 1023	12
	2	Noise Region 1	<NSREGIONY1> / <NSREGIONUV1>	0 - 1023	24
	3	Noise Region 2	<NSREGIONY2> / <NSREGIONUV2>	0 - 1023	40
	4	Noise Gain Level	<NSFILTERY**> / <NSFILTERUV**>	0 - 255	100
715		Noise Reduction (Time)	Effect only N.R OFF		
	0	Noise Pixel Range	<NSRANGEY> / <NSRANGEUV>	0 - 2	1
	1	Noise Region 0	<NSREGIONY0> / <NSREGIONUV0>	0 - 1023	12
	2	Noise Region 1	<NSREGIONY1> / <NSREGIONUV1>	0 - 1023	24
	3	Noise Region 2	<NSREGIONY2> / <NSREGIONUV2>	0 - 1023	40
	4	Noise Gain Level	<NSFILTERY**> / <NSFILTERUV**>	0 - 1023	1
720		2:2pull down setting			
	0	22Film Mode Sensitivity	Film Detection Sensitivity <FILMSTVT22>	1 - 5	4
	1	22Film Mode Threshold Low	<FILMTHRD22A>	0 - 32767	80
	2	22Film Mode Threshold High	<FILMTHRD22B>	0 - 32767	120
	3	VOFTHR13	<VOFTHR13> * Read only	0 - 1023	124
	4	VOFTHR12	<VOFTHR12> * Read only	0 - 1023	124
	5	VOFTHR23	<VOFTHR23> * Read only	0 - 1023	124
	6	Video Motion Window Start X	<VOFSTARX>	0 - 2047	10
	7	Video Motion Window Stop X	<VOFSTOPX>	0 - 2047	10
	8	Video Motion Window Start Y	<VOFSTARY>	0 - 1023	10
	9	Video Motion Window Stop Y		0 - 1023	10
721		2:3pull down setting			
	0	Global Motion Sensitivity	Film Detection Sensitivity <FILMSTVT23>	1 - 5	4
	1	Video Motion Sensitivity	Film Detection Sensitivity <VOFSTVT>	1 - 5	4
	2	Video Motion Threshold Low	<VOFTHRDA>	0 - 32767	120
	3	Video Motion Threshold High	<VOFTHRDB>	0 - 32767	180
	4	Global Motion Threshold	<GMDTHRD> * Read only	0 - 1024	124
	5	23Film Mode Threshold	<FILMTHRD23>	0 - 32767	100
	6	Global Motion Window Start X	<GMDSTARX>	0 - 2047	10
	7	Global Motion Window Stop X	<GMDSTOPX>	0 - 2047	10
	8	Global Motion Window Start Y	<GMDSTARY>	0 - 1023	10
	9	Global Motion Window Stop Y	<GMDSTOPY>	0 - 1023	10
900		CXD3540_TG			
	0	SCANM		0 ~ 3	2
	1	FRPM		0, 2	2
	2	SCAN_SEL		0 ~ 1	1
	3	HP		0 ~ 2047	14
	4	VP_G		0 ~ 255	4
	5	SHP_R		0 ~ 127	55
	6	SHP_G		0 ~ 127	55
	7	SHP_B		0 ~ 127	55
	8	FRP_HP		0 ~ 2047	49

Grp	Item	Item Name	Function	Range	Initial
	9	PRG_U		0 ~ 1023	49
	10	PRG_D		0 ~ 1023	112
	11	HST_R_PF		0 ~ 127	22
	12	HST_R_PC		0 ~ 127	7
	13	DCK1_R_WA		0 ~ 127	11
	14	DCK1_R_F		0 ~ 127	48
	15	DCK2_R_WA		0 ~ 127	0
	16	DCK2_R_F		0 ~ 127	0
	17	DCK3_R_WA		0 ~ 127	11
	18	DCK3_R_F		0 ~ 127	0
	19	DCK4_R_WA		0 ~ 127	0
	20	DCK4_R_F		0 ~ 127	0
	21	HST_G_PF		0 ~ 127	22
	22	HST_G_PC		0 ~ 127	7
	23	DCK1_G_WA		0 ~ 127	11
	24	DCK1_G_F		0 ~ 127	48
	25	DCK2_G_WA		0 ~ 127	0
	26	DCK2_G_F		0 ~ 127	0
	27	DCK3_G_WA		0 ~ 127	11
	28	DCK3_G_F		0 ~ 127	0
	29	DCK4_G_WA		0 ~ 127	0
	30	DCK4_G_F		0 ~ 127	0
	31	HST_B_PF		0 ~ 127	22
	32	HST_B_PC		0 ~ 127	7
	33	DCK1_B_WA		0 ~ 127	11
	34	DCK1_B_F		0 ~ 127	48
	35	DCK2_B_WA		0 ~ 127	0
	36	DCK2_B_F		0 ~ 127	0
	37	DCK3_B_WA		0 ~ 127	11
	38	DCK3_B_F		0 ~ 127	0
	39	DCK4_B_WA		0 ~ 127	0
	40	DCK4_B_F		0 ~ 127	0
	41	PCG_U		0 ~ 1023	49
	42	PCG_D		0 ~ 1023	206
	43	ENB_U		0 ~ 1023	120
	44	ENB_D		0 ~ 1023	26
	45	CLR_U		0 ~ 1023	0
	46	CLR_D		0 ~ 1023	0
	47	VCKP		0 ~ 2047	49
	48	VCKPD		0 ~ 2047	1344
	49	VSTP		0 ~ 255	125
	50	DFT_ON		0 ~ 1	0
	51	HPC_R_DAT0		0 ~ 8191	0
	52	HPC_R_DAT1		0 ~ 8191	0
	53	HPC_G_DAT0		0 ~ 8191	0
	54	HPC_G_DAT1		0 ~ 8191	0
	55	HPC_B_DAT0		0 ~ 8191	0
	56	HPC_B_DAT1		0 ~ 8191	0
	57	SCAN_HP		0 ~ 2047	49
910		CXD3540_DSD_PRE			
	0	USR_R_GAIN		0 ~ 1023	512
	1	USR_G_GAIN		0 ~ 1023	512
	2	USR_B_GAIN		0 ~ 1023	512
	3	USR_R_BRIGHT		0 ~ 8191	0
	4	USR_G_BRIGHT		0 ~ 8191	0
	5	USR_B_BRIGHT		0 ~ 8191	0
	6	FRM_DAT		0 ~ 255	0
	7	SEL_MODE		0 ~ 7	0
	8	RLR_DUM_PIX		0 ~ 127	8
920		CXD3540_GAM			
	0	GAM_ON		0 ~ 1	1
	1	GAM_R_GAIN		0 ~ 1023	512
	2	GAM_G_GAIN		0 ~ 1023	512
	3	GAM_B_GAIN		0 ~ 1023	512
	4	GAM_R_BRIGHT		0 ~ 8191	0
	5	GAM_G_BRIGHT		0 ~ 8191	0
	6	GAM_B_BRIGHT		0 ~ 8191	0

Grp	Item	Item Name	Function	Range	Initial
930		Gamma Calculation Status			
	0	GAM_CALC_STATUS		-	0
940		CXD3540_VXT			
	0	VXT_DETECT_ON		0 ~ 1	1
	1	VXT_GSEL		0 ~ 3	2
	2	VXT_RCALC		0 ~ 1	0
	3	VXT_GCALC		0 ~ 1	0
	4	VXT_BCALC		0 ~ 1	0
	5	VXT_ON		0 ~ 1	0
	6	VXT_RDATU1		0 ~ 255	8
	7	VXT_RDATU2		0 ~ 255	9
	8	VXT_RDATU3		0 ~ 255	22
	9	VXT_GDATU1		0 ~ 255	8
	10	VXT_GDATU2		0 ~ 255	9
	11	VXT_GDATU3		0 ~ 255	22
	12	VXT_BDATU1		0 ~ 255	8
	13	VXT_BDATU2		0 ~ 255	9
	14	VXT_BDATU3		0 ~ 255	22
	15	VXT_RDATL1		0 ~ 255	4
	16	VXT_RDATL2		0 ~ 255	5
	17	VXT_RDATL3		0 ~ 255	11
	18	VXT_GDATL1		0 ~ 255	4
	19	VXT_GDATL2		0 ~ 255	5
	20	VXT_GDATL3		0 ~ 255	11
	21	VXT_BDATL1		0 ~ 255	4
	22	VXT_BDATL2		0 ~ 255	5
	23	VXT_BDATL3		0 ~ 255	11
	24	VXT_TH_ON		0 ~ 15	15
	25	VXT_TH1		0 ~ 255	30
	26	VXT_TH2		0 ~ 255	61
	27	VXT_TH3		0 ~ 255	188
	28	VXT_TH4		0 ~ 255	229
950		CXD3540_CSC			
	0	CSC_XH		0 ~ 1	0
	1	CSC_ON		0 ~ 1	1
	2	CSC_R_GP1		0 ~ 511	324
	3	CSC_R_GP2		0 ~ 511	305
	4	CSC_R_GP3		0 ~ 511	282
	5	CSC_R_GP4		0 ~ 511	259
	6	CSC_R_GP5		0 ~ 511	219
	7	CSC_R_GP6		0 ~ 511	198
	8	CSC_R_GP7		0 ~ 511	172
	9	CSC_R_GP8		0 ~ 511	141
	10	CSC_G_GP1		0 ~ 511	331
	11	CSC_G_GP2		0 ~ 511	309
	12	CSC_G_GP3		0 ~ 511	287
	13	CSC_G_GP4		0 ~ 511	265
	14	CSC_G_GP5		0 ~ 511	231
	15	CSC_G_GP6		0 ~ 511	213
	16	CSC_G_GP7		0 ~ 511	193
	17	CSC_G_GP8		0 ~ 511	166
	18	CSC_B_GP1		0 ~ 511	346
	19	CSC_B_GP2		0 ~ 511	316
	20	CSC_B_GP3		0 ~ 511	290
	21	CSC_B_GP4		0 ~ 511	268
	22	CSC_B_GP5		0 ~ 511	231
	23	CSC_B_GP6		0 ~ 511	209
	24	CSC_B_GP7		0 ~ 511	184
	25	CSC_B_GP8		0 ~ 511	161
960		CXD3540_SHAD			
	0	SHAD_GSEL		0 ~ 3	1
	1	SHAD_R_CALC		0 ~ 1	1
	2	SHAD_G_CALC		0 ~ 1	1
	3	SHAD_B_CALC		0 ~ 1	1
	4	SHAD_ON		0 ~ 1	0
	5	SHAD_R_DAT1		0 ~ 255	37
	6	SHAD_R_DAT2		0 ~ 255	18

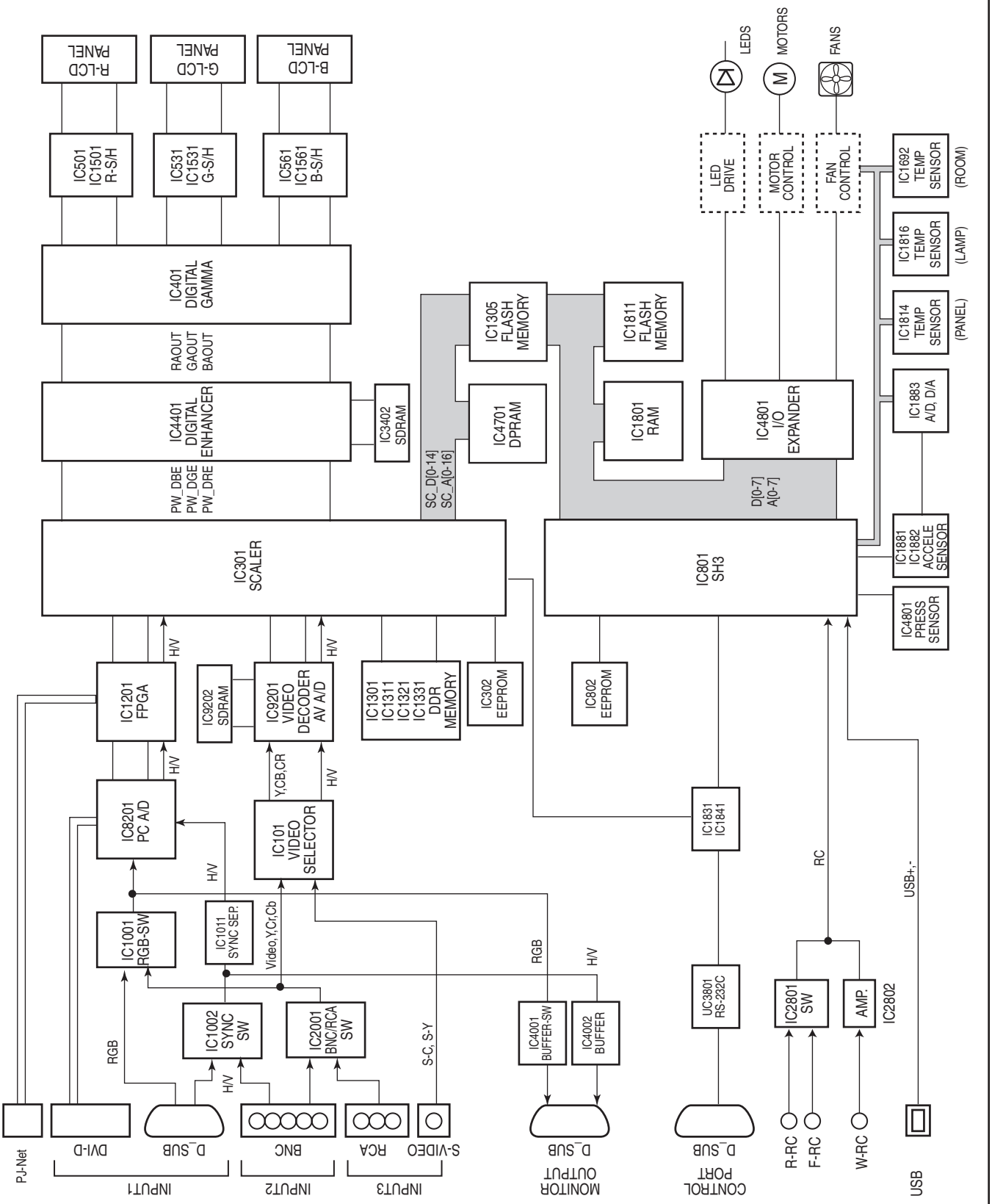
Electrical Adjustment

Grp	Item	Item Name	Function	Range	Initial
	7	SHAD_R_DAT3		0 ~ 255	12
	8	SHAD_G_DAT1		0 ~ 255	37
	9	SHAD_G_DAT2		0 ~ 255	18
	10	SHAD_G_DAT3		0 ~ 255	12
	11	SHAD_B_DAT1		0 ~ 255	0
	12	SHAD_B_DAT2		0 ~ 255	18
	13	SHAD_B_DAT3		0 ~ 255	12
	14	SHAD_COEF		0 ~ 4095	1365
970		CXD3540_VS			
	0	VS_GSEL		0 ~ 3	0
	1	VS_R_RGT		0 ~ 1	1
	2	VS_G_RGT		0 ~ 1	0
	3	VS_B_RGT		0 ~ 1	1
	4	VS_CYCLE		0 ~ 1	0
	5	VS_ON		0 ~ 1	0
	6	VS_GDAT1		0 ~ 255	0
	7	VS_DAT		0 ~ 255	0
	8	VS_GDAT3		0 ~ 255	0
	9	VS_GDAT2		0 ~ 255	0
980		CXD3540_DSDPOST1			
	0	HXT_TH4_ON		0 ~ 1	0
	1	HXT_TH3_ON		0 ~ 1	0
	2	HXT_TH2_ON		0 ~ 1	0
	3	HXT_TH1_ON		0 ~ 1	0
	4	HXT_ON		0 ~ 1	0
	5	HXT_RCALC		0 ~ 1	0
	6	HXT_GCALC		0 ~ 1	0
	7	HXT_BCALC		0 ~ 1	0
	8	HXT_GSEL		0 ~ 3	0
	9	HXT_RDAT1		0 ~ 255	0
	10	HXT_RDAT2		0 ~ 255	0
	11	HXT_RDAT3		0 ~ 255	0
	12	HXT_GDAT1		0 ~ 255	0
	13	HXT_GDAT2		0 ~ 255	0
	14	HXT_GDAT3		0 ~ 255	0
	15	HXT_BDAT1		0 ~ 255	0
	16	HXT_BDAT2		0 ~ 255	0
	17	HXT_BDAT3		0 ~ 255	0
	18	HXT_TH1		0 ~ 255	0
	19	HXT_TH2		0 ~ 255	0
	20	HXT_TH3		0 ~ 255	0
	21	HXT_TH4		0 ~ 255	0
	22	SEL_MODE2		0 ~ 7	0
982		Auto-Gamma Adjustment	Parameters Setting		
	0	PC Standard : LVL_USE	x0.01	1 ~ 999	100
	1	PC Real : LVL_USE	x0.01	1 ~ 999	85
	2	AV Standard : LVL_USE	x0.01	1 ~ 999	90
	3	AV Cinema : LVL_USE	x0.01	1 ~ 999	85
	4	PC Standard : W_SXY_0	x0.001	1 ~ 999	290
	5	PC Real : W_SXY_0	x0.001	1 ~ 999	295
	6	AV Standard : W_SXY_0	x0.001	1 ~ 999	290
	7	AV Cinema : W_SXY_0	x0.001	1 ~ 999	313
	8	PC Standard : W_SXY_1	x0.001	1 ~ 999	315
	9	PC Real : W_SXY_1	x0.001	1 ~ 999	320
	10	AV Standard : W_SXY_1	x0.001	1 ~ 999	315
	11	AV Cinema : W_SXY_1	x0.001	1 ~ 999	329
	12	PC Standard : B_SXY_0	x0.001	0 ~ 999	0
	13	PC Real : B_SXY_0	x0.001	0 ~ 999	295
	14	AV Standard : B_SXY_0	x0.001	0 ~ 999	290
	15	AV Cinema : B_SXY_0	x0.001	0 ~ 999	313
	16	PC Standard : B_SXY_1	x0.001	0 ~ 999	0
	17	PC Real : B_SXY_1	x0.001	0 ~ 999	320
	18	AV Standard : B_SXY_1	x0.001	0 ~ 999	315
	19	AV Cinema : B_SXY_1	x0.001	0 ~ 999	329
	20	PC Standard : LIMIT_CONTRAST		100 ~ 5000	5000
	21	PC Real : LIMIT_CONTRAST		100 ~ 5000	1000
	22	AV Standard : LIMIT_CONTRAST		100 ~ 5000	1500

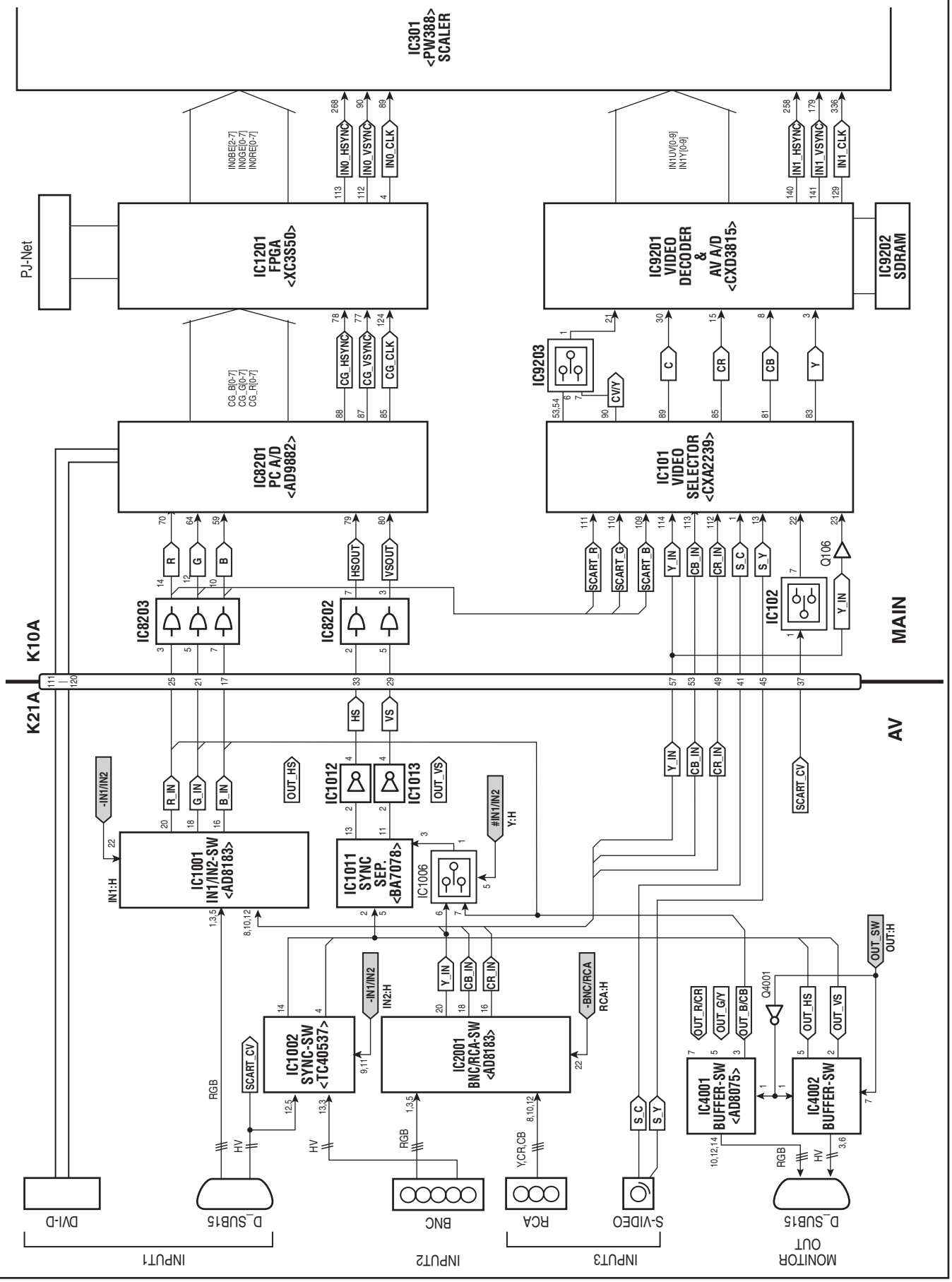
Grp	Item	Item Name	Function	Range	Initial
	23	AV Cinema : LIMIT_CONTRAST		100 ~ 5000	1500
	24	Auto Gamma CALC	Auto-Gamma re-Calc when the value to 10	1 ~ 10	0
	25	PC Standard : CAL_CONT	RESULT CONTRAST Read only	~	---
	26	PC Real : CAL_CONT	RESULT CONTRAST Read only	~	---
	27	AV Standard : CAL_CONT	RESULT CONTRAST Read only	~	---
	28	AV Cinema : CAL_CONT	RESULT CONTRAST Read only	~	---
	29	PC Standard : CONT_USE	x0.001	100 ~ 5000	500
	30	PC Real : CONT_USE	x0.001	100 ~ 5000	500
	31	AV Standard : CONT_USE	x0.001	100 ~ 5000	500
	32	AV Cinema : CONT_USE	x0.001	100 ~ 5000	500
991		Digital Gamma Test Pattern			
	0	Test Pattern Display (No Last Memory)	0000: Test Pattern Off 0001: OSD Gray Scale 0002: Window Pattern 0003: Vertical Gray Scale 0004: H-Stripe 0005: Diagonal Pattern 0006: Dot Pattern	0 ~ 6	0
	1	OSD Gray Scale Red (No Last Memory)		0 ~ 1023	960
	2	OSD Gray Scale Green (No Last Memory)		0 ~ 1023	960
	3	OSD Gray Scale Blue (No Last Memory)		0 ~ 1023	960

Chassis Description

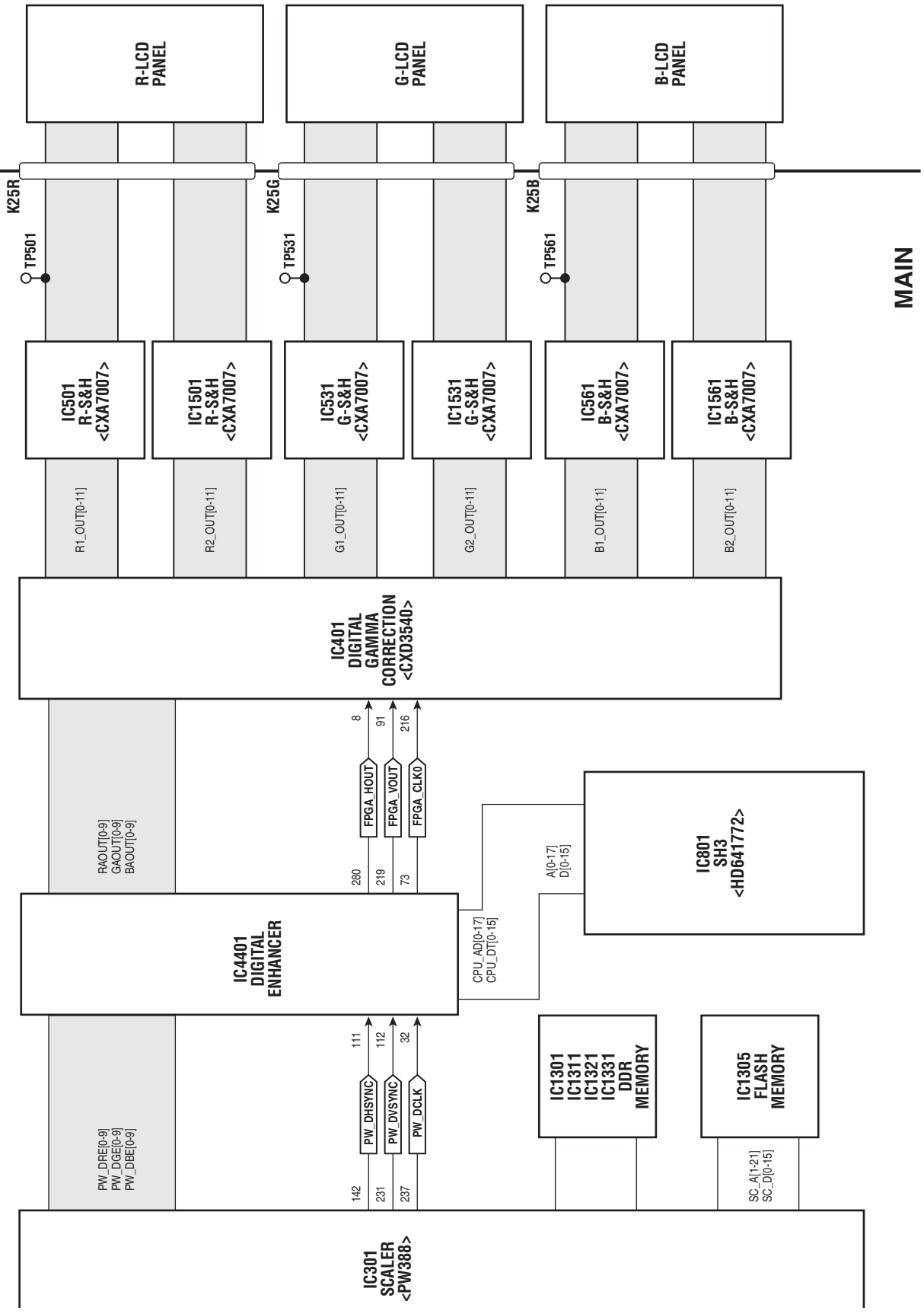
Chassis over view



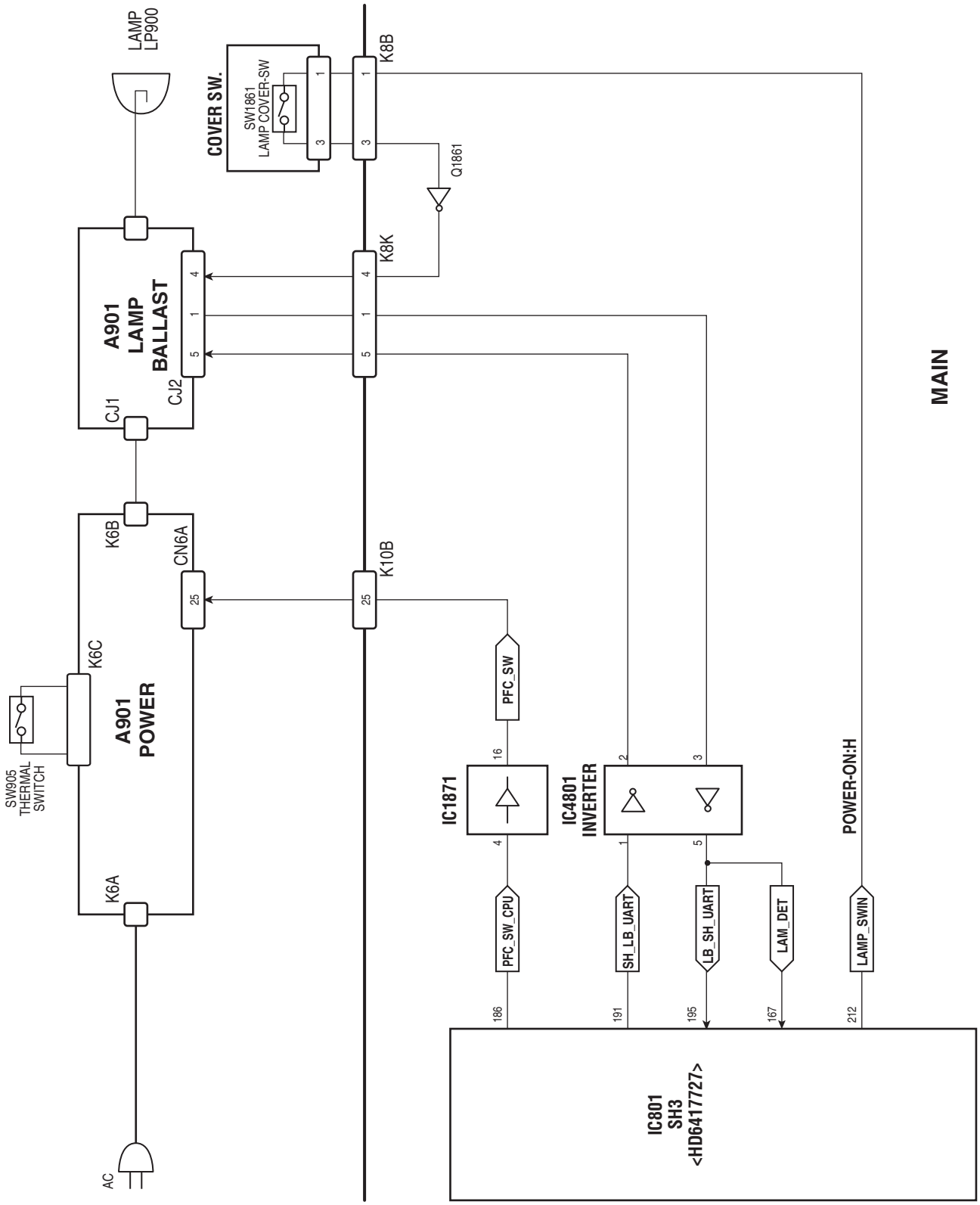
Input & signal processing stage



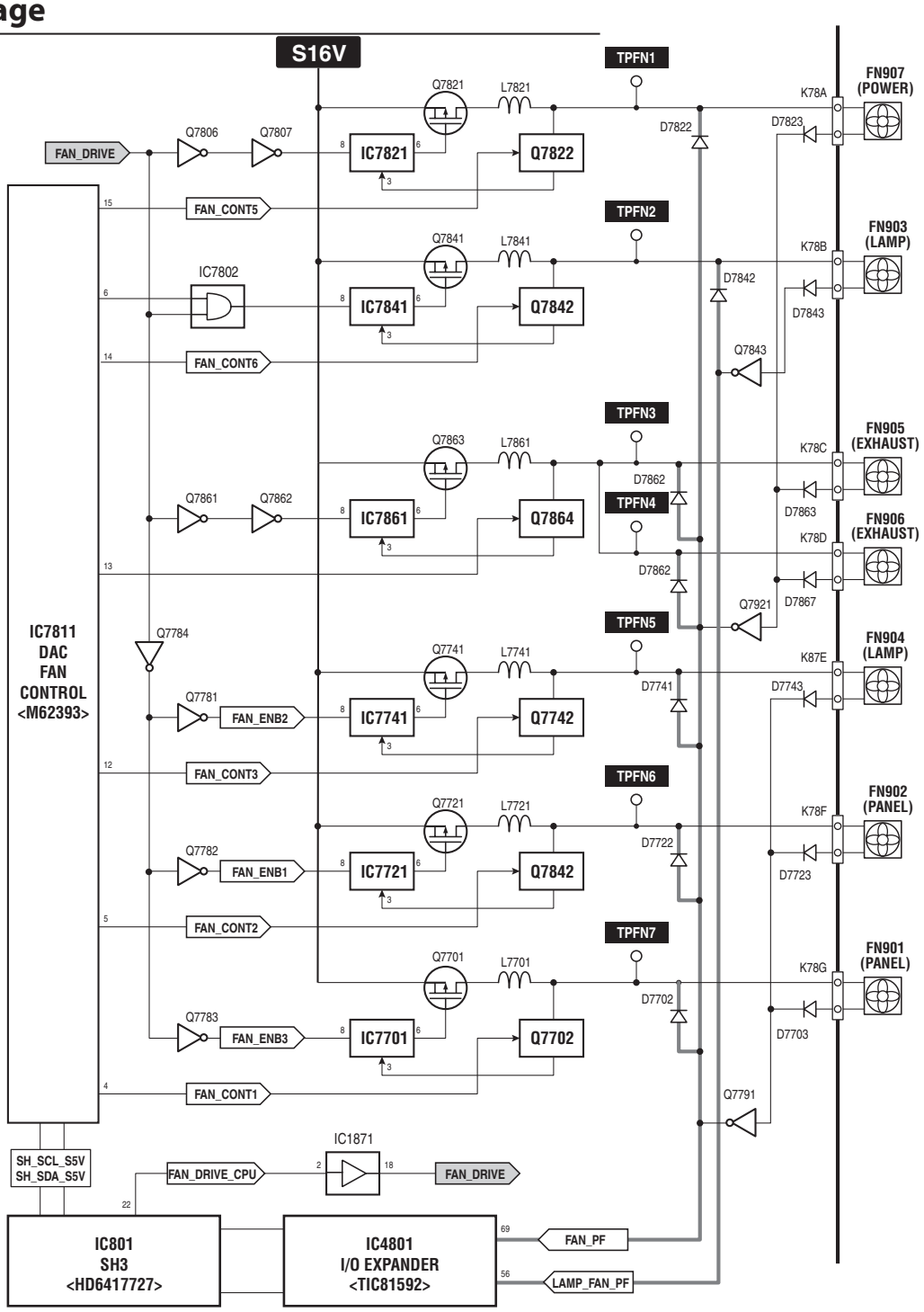
LCD drive stage

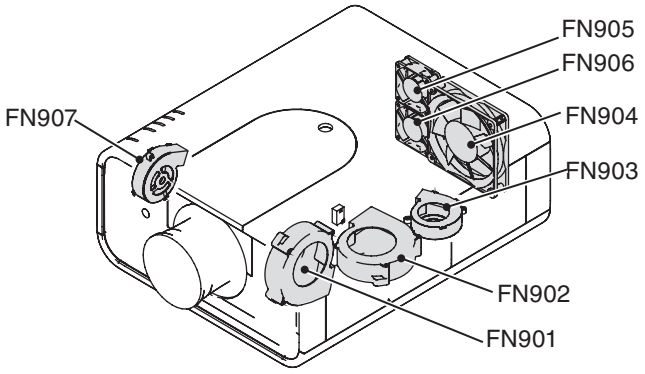


Lamp control stage

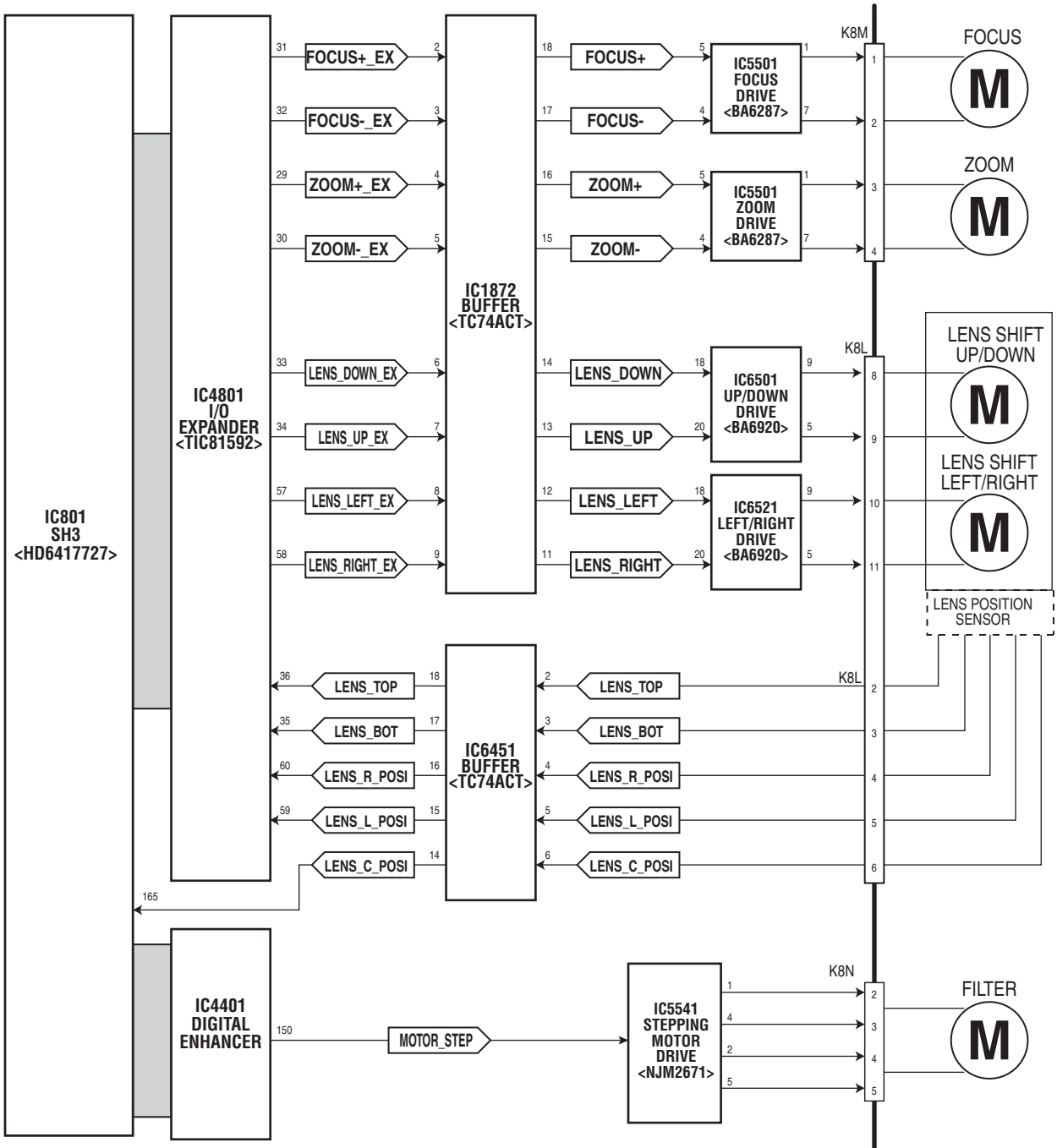


Fan control stage





Motor control stage



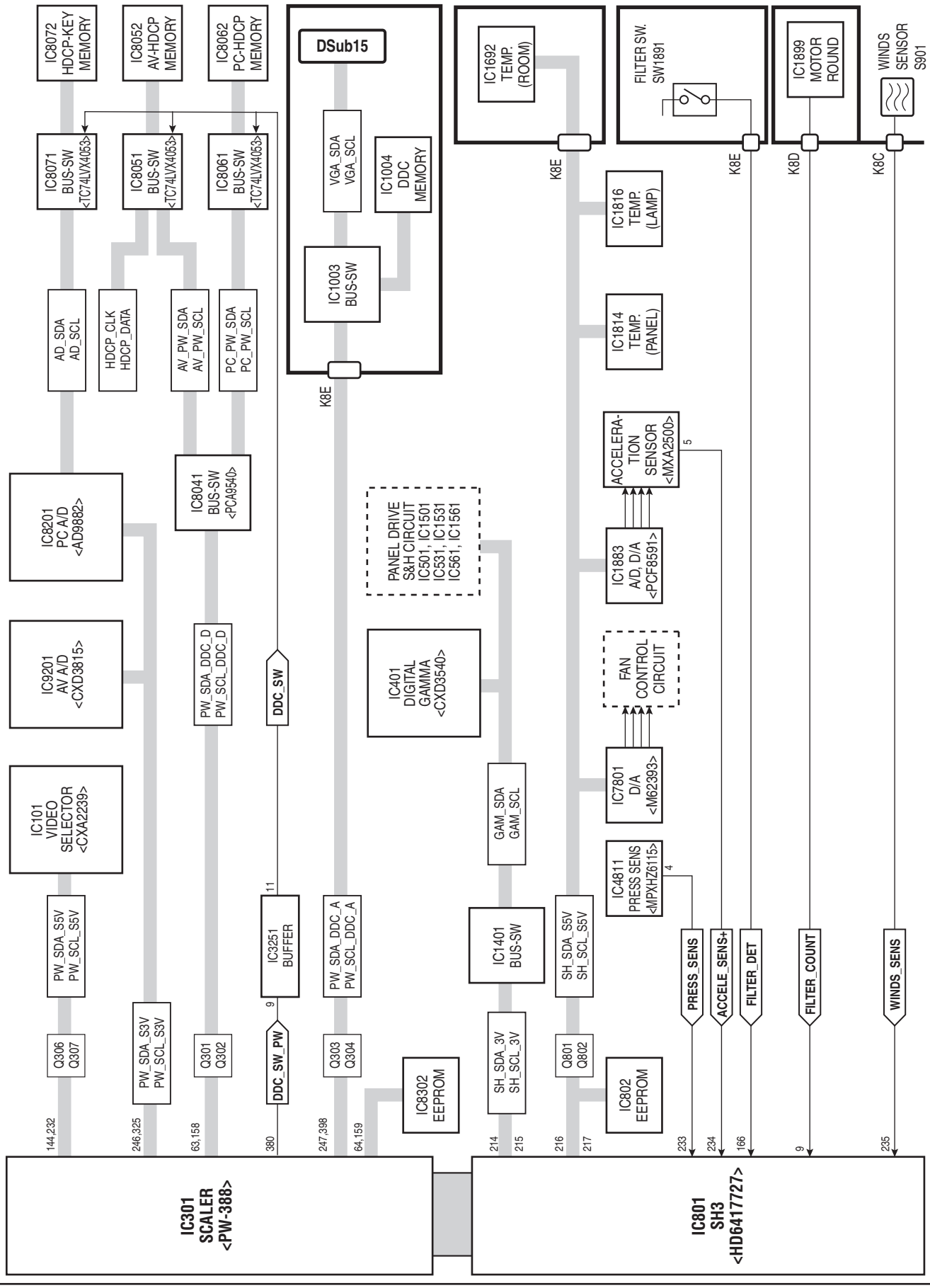
	STOP	UP	DOWN
LENS_DOWN	H	H	L
LENS_UP	H	L	H

	STOP	+	-
FOCUS -	H	H	L
FOCUS +	H	L	H

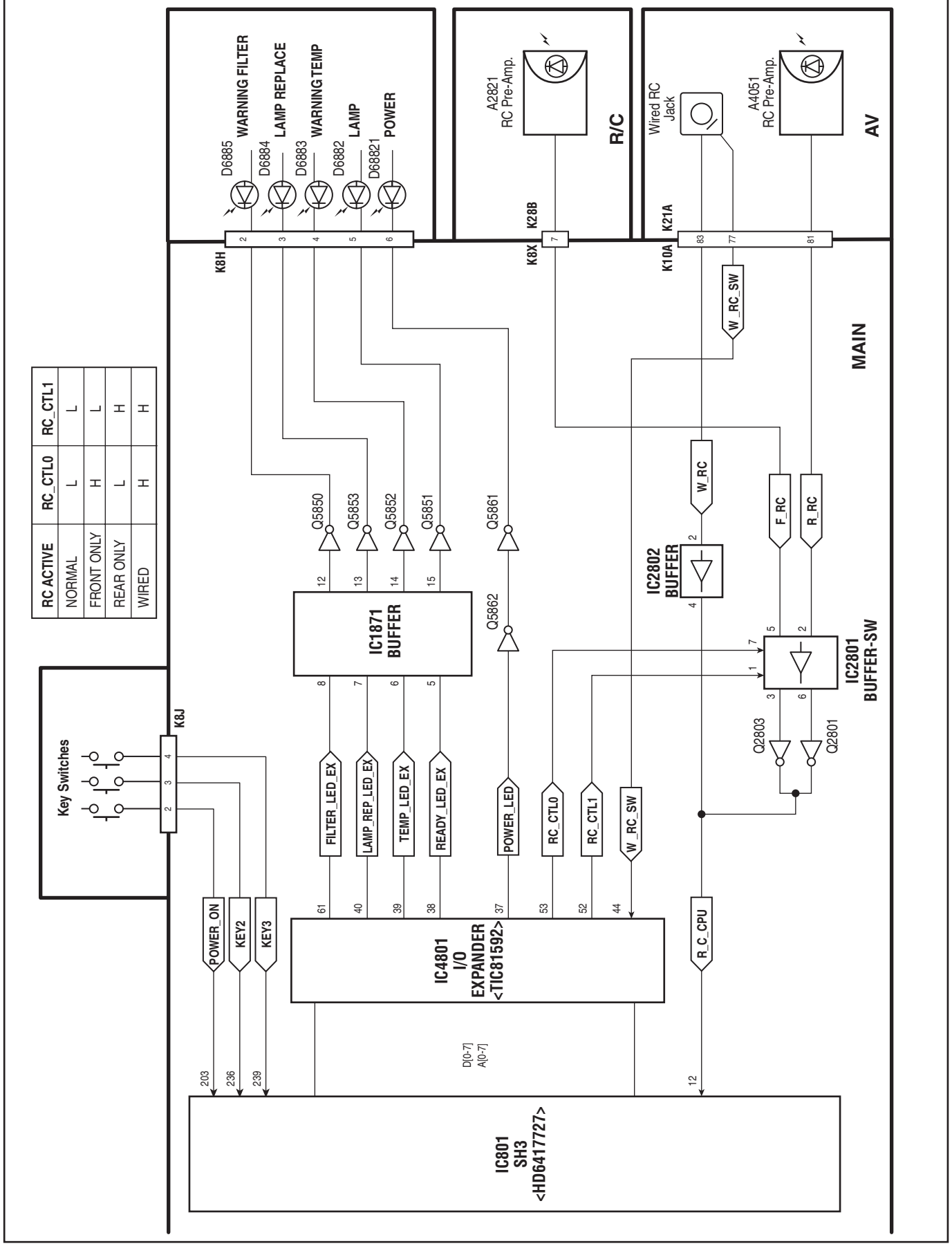
	STOP	RIGHT	LEFT
LENS_LEFT	H	H	L
LENS_RIGHT	H	L	H

	STOP	+	-
ZOOM -	H	H	L
ZOOM +	H	L	H

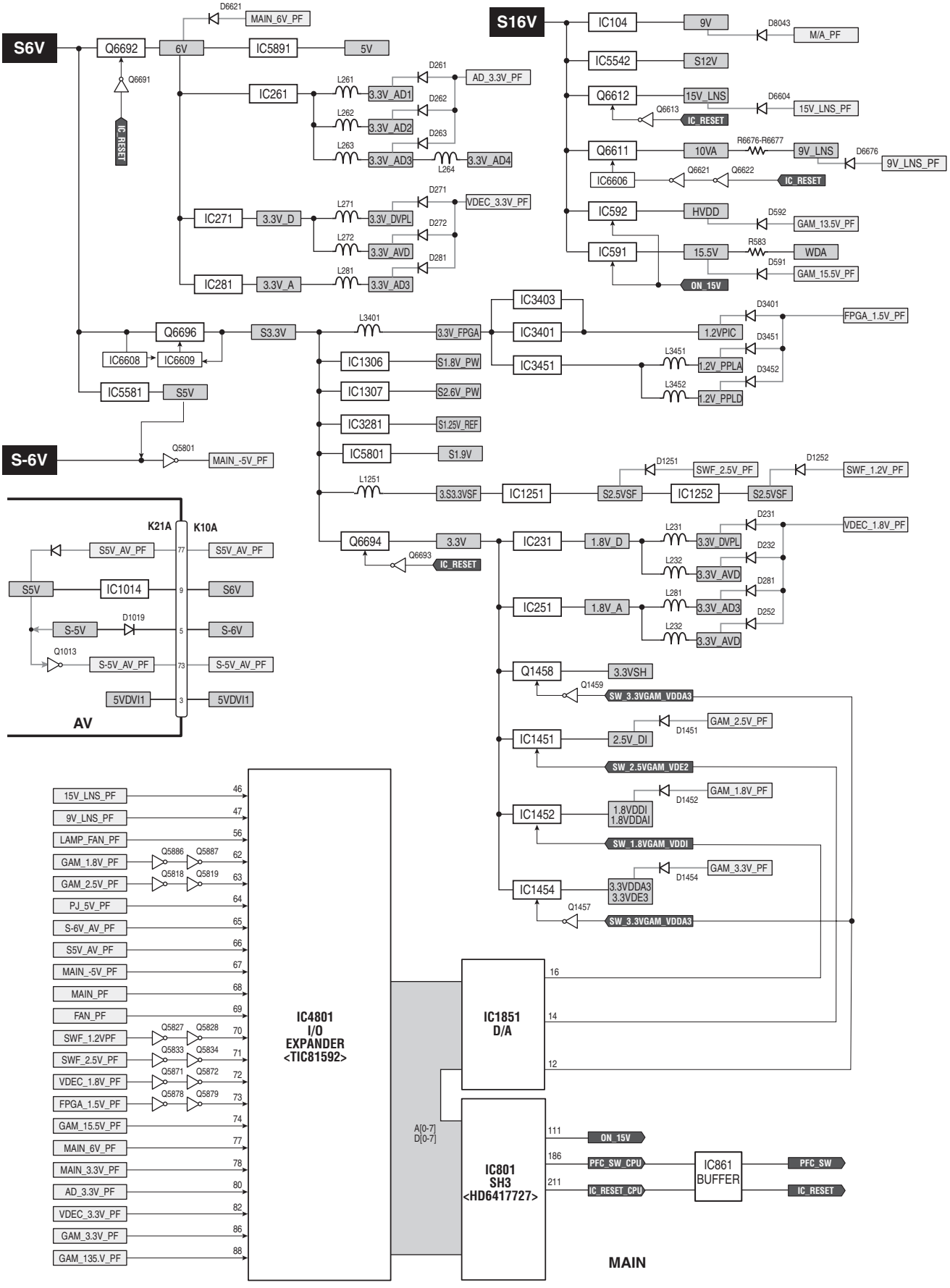
Bus control stage



LED drive & RC control stage



Power supply & power failure circuit



Indicators and Projector Condition

Check the indicators for the projector condition.

The projector is operating normally.

Indicators					Projector Condition
POWER **green**	LAMP **red**	WARNING TEMP. **red**	WARNING FILTER **orange**	LAMP REPLACE **orange**	
●	●	●	✻	❖	The projector is off. (The AC power cord is unplugged.)
○	○	●	✻	❖	The projector is in stand-by mode. Press the ON/STAND-BY button to turn on the projector.
○	◍	●	✻	❖	The projector is operating normally.
●	○	●	✻	❖	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 lights green.
◍	◍	●	✻	❖	The projector is in the Power management mode.
○	○	●	◎	❖	The filter is scrolled using the FILTER button on the remote control or the Filter control function in the setting menu. When the filter is being scrolled, the Filter replacement icon and "Please wait..." message (Fig. 1) appear on the screen for 10 seconds.

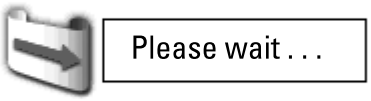


Fig.1 Filter replacement icon and "Please wait..."

The projector is detecting abnormal condition.

Indicators					Projector Condition
POWER **green**	LAMP **red**	WARNING TEMP. **red**	WARNING FILTER **orange**	LAMP REPLACE **orange**	
○	◍	◎	✻	❖	The temperature inside the projector is elevated close to the abnormally high level.
●	○	◍	✻	❖	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 lights green and the projector can be turned on. (The WARNING TEMP. indicator keeps blinking.) Check and replace the filter.

○ • • • on

◍ • • • dim

● • • • off

○ • • • blinking at the normal rate (approx. 1 second ON, 1 second OFF)

◍ • • • blinking fast (approx. 0.5 seconds ON, 0.5 seconds OFF)

◎ • • • blinking slow (approx. 2 seconds ON, 2 seconds OFF)

Indicators					Projector Condition
POWER **green**	LAMP **red**	WARNING TEMP. **red**	WARNING FILTER **orange**	LAMP REPLACE **orange**	
○	○	◍	✻	❖	The projector has been cooled down enough and the temperature returns to normal. When turning on the projector, the WARNING TEMP. indicator stops blinking. Check and replace the filter.
●	○	●	✻	◍	The lamp cannot light up. (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.)
○	○	●	✻	◍	The lamp cannot light up. (The lamp has been cooled down enough and the projector is in stand-by mode and ready to be turned on with the ON/STAND-BY button.)
○	○	●	✻	○	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.
○	○	●	○	❖	If the Filter counter reached a time set in the timer setting, a Filter replacement icon (Fig.2) appears on the screen and the WARNING FILTER indicator on the top panel lights up. Replace the filter as soon as possible. If the filter is out of scroll and the projector reaches a time set in the timer setting, Fig. 3 appears on the screen and the WARNING FILTER indicator lights up. Replace the filter cartridge as soon as possible. If the filter is clogged and no scroll is left in the filter cartridge, a Filter cartridge replacement icon (Fig.4) appears on the screen and the WARNING FILTER indicator lights up. Replace the filter cartridge as soon as possible.

Fig.2 Filter replacement icon

Fig.3

Fig.4 Filter cartridge replacement icon

✔Note:

- Fig.2, Fig.3 and Fig.4 icon will not appear when the Display function is set to “Off” , during “Freeze” , or “No show”.

◍	○	◍	◍	◍	The filter cartridge is not installed in the projector. Check the filter compartment to see if the filter cartridge is installed in the projector. When the filter cartridge is installed and the indicators continue to light and blink, read the column below.
					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. Do not leave the projector on. It may cause an electric shock or a fire hazard.

✻ When the filter detects clogging, reaches a time set in the timer setting or runs out of the filter scroll, the WARNING FILTER indicator lights orange. When this indicator lights orange, replace the filter or the filter cartridge with a new one promptly. Reset the Filter counter after replacing the filter. Reset the Filter counter and Scroll counter after replacing the filter cartridge .

❖ When the projection lamp reaches its end of life, the LAMP REPLACE indicator lights orange. When this indicator lights orange, replace the projection lamp with a new one promptly. Reset the lamp counter after replacing the lamp.

Power failure detection system

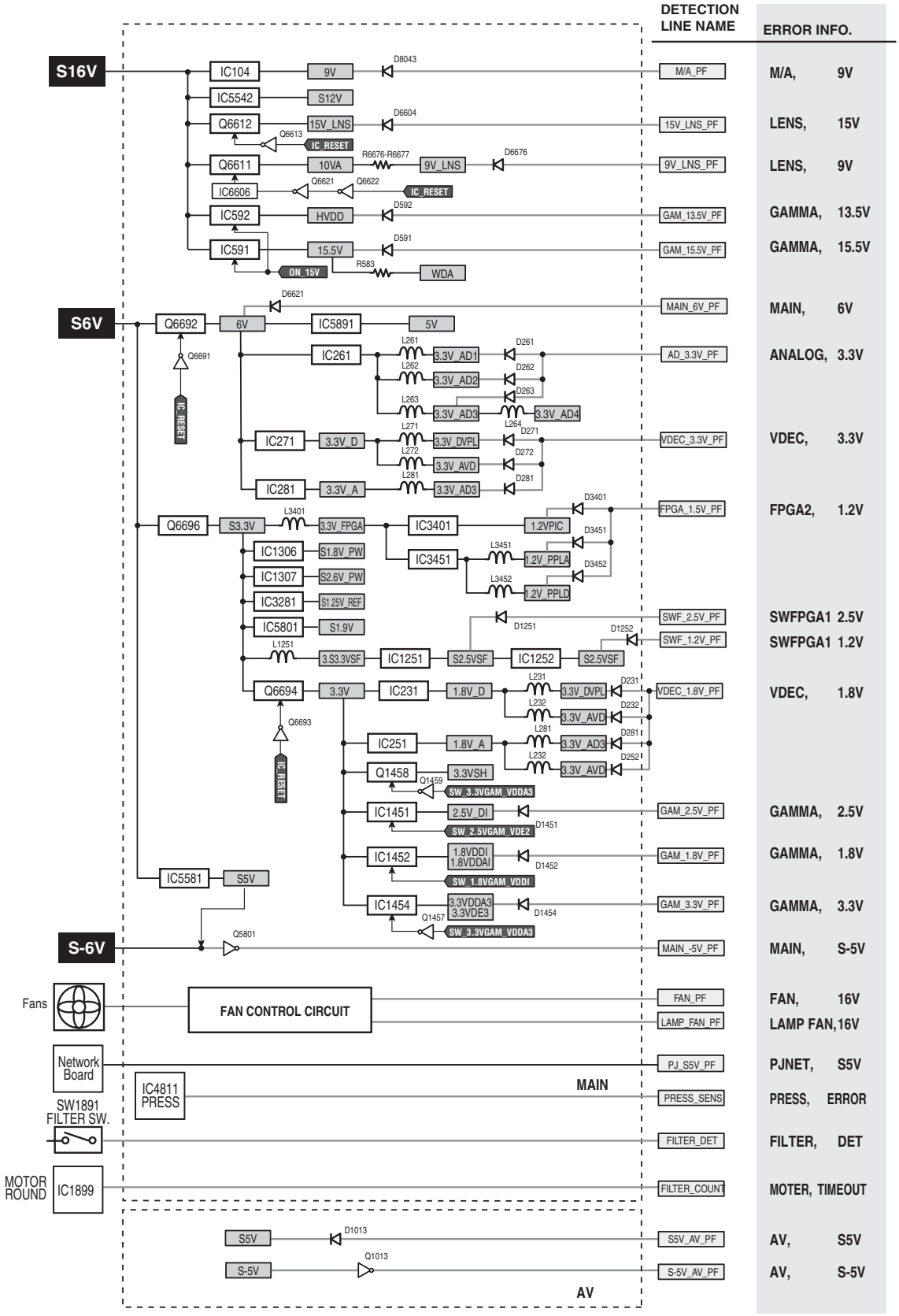
Detection of Power failure

Projector provides a protection circuit to prevent the secondary failure when the power failure, fans failure or temperature failure occurs on the projector. The power failure detection lines "S5V_AV_PF", "MAIN_-5V_PF", etc. are connected to the main power supplies and fans. When the failure occurs, IC801<SH3, SYSTEM CONTROL> receives an error information through the IC4801<I/O EXPANDER> and then outputs the signal "PFC_SW_CPU" from pin 186 to stop the power supply.
The power failure detection signals are sent to IC4801<I/O EXPANDER> and then sent to IC801<SH3, SYSTEM CONTROL> .

Error information table

IC	Pin	Signal Name	Connection Lines	Error Information	Failure Area
IC4801	64	PJ_5V_PF	PJ_5V	PJNET, S5V	5V line on Network Unit
	65	S-5V_AV_PF	-5V_AV	AV, S-5V	S-5V line on AV
	66	S5V_AV_PF	S5V	AV S5V	S5V line on AV
	67	MAIN_-5V_PF	MAIN_-5V	MAIN, S-5V	S-5V line on Main
	68	M/A_PF	M/A_9V	M/A, 9V	9V line on Main
	69	FAN_PF	S16V, FAN LOCK	FAN, 16V	S16V line on Fan Drive stage FN901, FN902, FN904
	70	SWF_1.2V_PF	SWF_1.2V	SWFPGA1, 1.2V	FPGA stage 1.2V line
	71	SWF_2.5V_PF	SWF_2.5V	SWFPGA1, 2.5V	FPGA stage 2.5V line
	72	VDEC_1.8V_PF	VDEC_1.8V	VDEC, 1.8V	Video Decoder & A/D stage
	73	FPGA_1.5V_PF	FPGA_1.5V	FPGA2, 1.2V	
	77	MAIN_6V_PF	MAIN_6V	MAIN, 6V	6V line on Main
	78	MAIN_3.3V_PF	MAIN_3.3V	MAIN, 3.3V	3.3V line on Main
	80	AD_3.3V_PF	AD_3.3V	ANALOG, 3.3V	PC A/D stage 3.3V line
	82	VDEC_3_3V_PF	VDEC_3.3V	VDEC, 3.3V	Video Decoder & A/D stage
	62	GAM_1.8V_PF	GAM_1.8V	GAMMA, 1.8V	Digital Gamma stage 1.8V
	63	GAM_2.5V_PF	GAM_2.5V	GAMMA, 2.5V	Digital Gamma stage 2.5V
	86	GAM_3.3V_PF	GAM_3.3V	GAMMA, 3.3V	Digital Gamma stage 3.3V
	88	GAM_13.5V_PF	13.5V	GAMMA, 13.5V	Panel Drive stage
	56	LAMP_FAN_PF	S16V, FAN LOCK	LAMP FAN, 16V	S16V line on Fan Drive stage FN905, FN906, FN907, FN908
	47	9V_LNS_PF	9V_LNS	LENS, 9V	Lens Motor Drive (Zoom/Focus)
	46	15V_LNS_PF	15V_LNS	LENS, 15V	Lens Motor Drive (Lens Shift)
IC801	166	FILTER_DET		FILTER, DET	Filter Cartridge is not installed
	9	FILTER_COUNT		MOTOR, TIMOUT	Filter Motor Error
	233	PRESS_SENS		PRESS, ERROR	Pressure Sensor IC4811

Power failure detection tree



Error History Log

This projector provides the error history log function. To check the logs, you need to enter the service mode and select Group No. "91" 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)
91	0	✻ <- Latest Error
	1	✻
	2	✻
	3	✻
	:	:
	:	:
	49	✻

Error	Error Code	Error Infomation (See Powe Failure Detection Tree)
Normal	0	-
Power Failure	1000	PJNET, S5V
	1001	AV, S-5V
	1002	AV, S5V
	1003	MAIN, S-5V
	1004	M/A, 9V
	1005	FAN, 16V
	1006	SWFPGA1, 1.2V
	1007	SWFPGA1, 2.5V
	1008	VDEC, 1.8V
	1009	FPGA2, 1.5V
	1010	MAIN, 6V
	1011	MAIN, 3.3V
	1012	ANALOG, 3.3V
	1013	VDEC, 3.3V
	1014	GAMMA, 1.8V
	1015	GAMMA, 2.5V
	1016	GAMMA, 3.3V
	1017	GAMMA, 13.5V
	1018	LAMP FAN, 16V
	1019	LENS, 9V
	1020	LENS, 15V
	1021	SWFPGA, CONFIG
	1022	FPGA, CONFIG
	1023	PW, DPORT OUT
	1024	FILTER DET
	1025	MOTOR, TIMEOUT
	1026	PRESS, ERROR
Temperature Error	2000	Sensor A detects abnormal temperature. (IC1816)
	2001	Sensor A fails measurement. (IC1806)
	2100	Sensor B detects abnormal temperature. (IC1814)
	2101	Sensor B fails measurement. (IC1814)
	2102	Sensors B-A temperature error.
	2200	Sensor C detects abnormal temperature. (IC1692)
	2201	Sensor C fails measurement. (IC1692)
	2202	Sensors C-A temperature error.
Lamp Error	3000	Lamp1 fails on
	3001	Lamp1 goes out
	3002	Communication Error on Lamp1
Filter Error	4000	Air Filter is not installed
	4001	Wind Sensor Error
	4002	Filter Scroll Motor Error

How to reset the Error History Log

1. Enter the Service Mode, and select Group No. "91" 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".

Diagnosis of Power Failure with RS-232C port

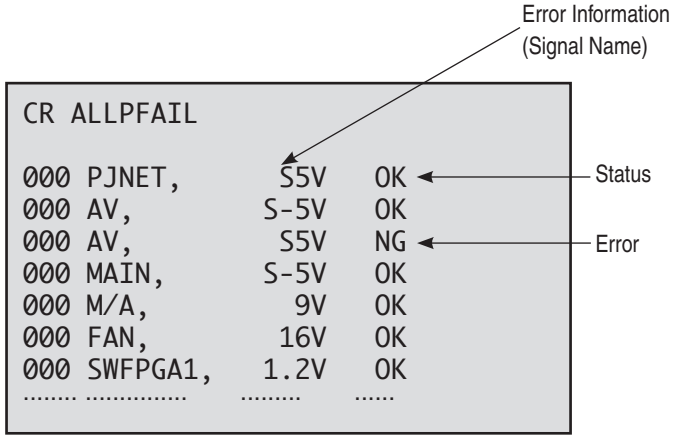
This projector provides a function to get the error information of the projector by using the RS-232C serial port for the power failure diagnosis.
The further error information of the power failure and fan failure can be found out by using this function.

Diagnosis procedure

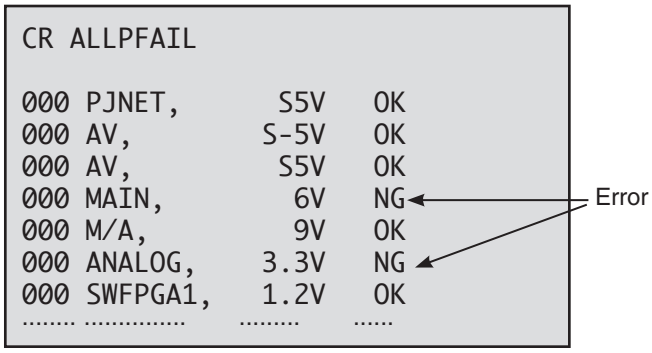
1 Connect a RS-232C serial cross cable to CONTROL PORT on the projector and serial port on the PC.
2 Launch a communication software "Hyper terminal" provided with PC and setup the communication condition as follows;

Baud rate	: 9600 / 19200 bps
Parity check	: none
Stop bit	: 1
Flow control	: none
Data bit	: 8

3 Turn on the projector. Check that the LED shows a power failure. (All the LEDs except LAMP LED are blinking)
4 Type a diagnosis command of the power failure “CR ALLPFAIL” and press a "ENTER" key within 1 second on the command window of the software.
The error information will be listed on the window as the right.
Check the status column. If “NG” is listed, the power failure occurs on its signal line (Power Line Name). In case of the right table, this error information means that the power failure occurs on the S5V power supply on AV board. Check if the parts connected to S5V power supply line are defective.



Also the error information may be listed multiple as the below;
In the above case, 2 kinds of causes are considered. One is the power failure occurs on the multiple places at the same time, other is a power failure affects multiple power supply lines even if the failure occurs on the single place.
In the first case, Check if the parts connected to the multiple power supply lines are defective. In the later case, determine a failure point referring to the power supply flow chart on previous page. Basically, if the power failure occurs on the upper side of power supply, the power failure is also detected on lower side of power supply frequently. If the failure occurs on the lower side of power supply, it is lightly affected to the upper side of the power supply. In the above case, because the failure occurs on the 6V power supply on the main board, the failure is also detected on the 3.3V power supply on the ANALOG circuit on the main board.



* See "Power Failure Detection Tree" for further description of the Error Information.

Serial Control Interface

This projector provides a function to control and monitor the projector's operations by using the RS-232C serial port.

Format

The command is sent from PC to the projector with the format below;

'C' [Command] 'CR'

Command: two characters (refer to the command table on next page.

The projector decodes the command and returns the 'ACK' with the format below;

'ACK' 'CR'

Operation

1 Connect a RS-232C serial cross cable to CONTROL PORT on the projector and serial port on the PC.

2 Launch a communication software "Hyper terminal" provided with PC and setup the communication condition as follows;

Baud rate	: 9600 / 19200 bps
Parity check	: none
Stop bit	: 1
Flow control	: none
Data bit	: 8

Note:

- The default of the baud rate is set to 19200 bps. If an error occurs in the communication, change the serial port and the communication speed (baud rate).

3 Type the command for controlling the projector and then enter the "Enter" key within 1 second.

Example

When you want to change the input to INPUT 2, Type 'C' '0' '6' 'Enter'.

Note:

- Enter with ASCII 64-byte capital characters and one-byte characters.

The below table shows the typical command lists for controlling the projector. Please consult your local dealer for further information of another commands.

Functional Execution Command Table

Command	Function
C00	Turn the projector ON
C01	Turn the projector OFF (immediately OFF)
C02	Turn the projector OFF
C05	Select Input 1
C06	Select Input 2
C07	Select Input 3
C08	Select Network
C09	Volume UP
C0D	Video mute ON
C0E	Video mute OFF
C0F	Aspect 4:3
C10	Aspect 16:9
C1C	Menu ON
C1D	Menu OFF
C20	Brightness UP
C21	Brightness DOWN
C23	Select Input 2 Video
C24	Select Input 2 Y, Pb/Cb,Pr/Cr
C25	Select Input 2 RGB
C28	ON Start ON
C29	ON Start OFF
C33	Select Input 3 Video
C34	Select Input 3 S-video
C35	Select Input 3 Y, Pb/Cb,Pr/Cr

Command	Function
C3A	Pointer RIGHT
C3B	Pointer LEFT
C3C	Pointer UP
C3D	Pointer DOWN
C3F	Enter
C46	Zoom DOWN
C47	Zoom UP
C4A	Focus DOWN
C4B	Focus UP
C50	Select Input 1 Analog RGB
C51	Select Input 1 SCART
C52	Select Input 1 DVI (PC Digital)
C53	Select Input 1 DVI (AV HDCP)
C5D	Lens shift UP
C5E	Lens shift DOWN
C5F	Lens shift LEFT
C60	Lens shift RIGHT
C89	Auto PC Adj.
C8E	Keystone UP
C8F	Keystone DOWN
C90	Keystone RIGHT
C91	Keystone LEFT

Status Read Command Table

Command	Function
CR0	Status Read
CR6	Temperature Read

Control Port Functions

System Control I/O Port Functions (SH7727)

Pin No.	Function Name	Function	Pol.	Action	
				Stand-by	Power On
9	Not used	Filter Scroll Times Detection	I	→	
12	R_C_CPU	Remote Control Input	I	→	Active L
111	ON_15V	Panel Power Drive	O	→	
118	Lamp Option SW3	Lamp Option SW3	I	→	H
119	Lamp Option SW2	Lamp Option SW2	I	→	L
120	Lamp Option SW1	Lamp Option SW1	I	→	H
133	PIO_EN	Parallel I/O Output Enable	O	→	H: Disable L: Enable
138	PW_RESET	PW Reset	O	→	Reset by H → L → H
182	BOX_SW	PJ-Net Detection	I	→	L: Yes H: No
186	PFC_SW_CPU	PFC_SW	O	→	
191	SH_LB_UART	Lamp Dimmer	O	→	
195	SH_EX_UART	Data Transfer2 [External]	O	→	19200bps or 9600bps
198	LB_SH_UART	Lamp Dimmer	I	Not used	Error Detection
201	EX_SH_UART	Data Receive2 [External]	I	→	19200bps or 9600bps
203	KEY1	Key Input (GPIO)	I	→	H: Power
206	NET_SW	PJ-Net Power On/Off	O	→	H: On L: Off
210	SYS_SW_CPU	Bus Switch	O	H	
211	IC_RESET_CPU	Power Drive for Peripheral IC	O	L	
212	LAMP_SWIN	Lamp Drive	O	L	H: On L: Off
213	FAN_DRIVE_CPU	Fan Drive	O	→	H: On L: Off
214	SH_SDA_3V	IIC Bus (For Device which turns off in standby)	IO	Input Port	L: Active
215	SH_SCL_3V	IIC Bus (For Device which turns off in standby)	IO	Input Port	L: Active
216	SH_SDA_S3V	IIC Bus	IO	→	L: Active
217	SH_SCL_S3V	IIC Bus	IO	→	L: Active
233	PRESS_SENS	Pressure Sensor Input	AI	→	Analog Voltage Input
234	ACCELE_SENS	G-Sensor Input	AI	→	Analog Voltage Input
235		Wind Sensor Input[	AI	→	Analog Voltage Input
236	KEY2	Key Input (AD Converter Input)	AI	→	
238	KEY3	Key Input (AD Converter Input)	AI	→	
239	OPT1	Option Resistor (AD Converter Input)	AI	→	

Parallel I/O Expander (TIC81592GP)

Pin No.	Function Name	Function	Pol.	Action	
				Stand-by	Power On
1	S3.3V	-	-	-	-
2		Clock Input (14.7456MHz)	I		
3			O	→	Open
4	GND	-	-	-	-
5	S3.3V	-	-	-	-
6	D7	Data Bus 7	I/O	→	
7	D6	Data Bus 6	I/O	→	
8	D5	Data Bus 5	I/O	→	
9	D4	Data Bus 4	I/O	→	
10	D3	Data Bus 3	I/O	→	
11	D2	Data Bus 2	I/O	→	
12	D1	Data Bus 1	I/O	→	
13	D0	Data Bus 0	I/O	→	
14	A5	Address 5	I	→	
15	A4	Address 4	I	→	
16	A3	Address 3	I	→	
17	A2	Address 2	I	→	
18	A1	Address 1	I	→	
19	A0	Address 0	I	→	
20	GND	-	-	-	-
21	SH_WE0	Write Signal	I	→	
22	SH_RD	Read Signal	I	→	
23	SH_CS6	Chip Enable	I	→	
24	EXP_RESET	Reset Input	I	→	
25	S3.3V	-	-	-	-
26	GND	-	-	-	-
27	MODE0	CPU I/F Setting	I	→	
28	MODE1	CPU I/F Setting	I	→	
29	FOCUS+_EX	Focus Up	O	→	L: Active H: Not Active
30	FOCUS-_EX	Focus Down	O	→	L: Active H: Not Active

Control Port Functions

Pin No.	Function Name	Function	Pol.	Action	
				Stand-by	Power On
31	ZOOM+_EX	Zoom Up	O	→	L: Active H: Not Active
32	ZOOM-_EX	Zoom Down	O	→	L: Active H: Not Active
33	LENS_DOWN_EX	Lens Shift Down	O	→	L: Active H: Not Active
34	LENS_UP_EX	Lens Shift Up	O	→	L: Active H: Not Active
35	LENS_BOT	Lens Bottom Detection	I	→	L: Lens Bottom
36	LENS_TOP	Lens Top Detection	I	→	L: Lens Top
37	POWER_LED	Power LED On/Off	O	→	L: Bright H: Dark
38	READY_LED_EX	Ready LED On/Off	O	→	L: On H: Off
39	TEMP_LED_EX	Temp LED On/Off	O	→	L: On H: Off
40	LAMP_REP_LED_EX	Lamp Replece LED On/Off	O	→	L: On H: Off
41	PJ_UPDATE	PJ-Net Write Forced	O	→	L: Write Mode H: Normal
42	PLLSTB_EX	CXD3531 Reset	O	L Fixed	PLLSTB,RST_GAM = H,L → L,L → L,H Reset
43	SH_PW_0 (SH_RESET_EN)	Software Protect	O	→	L: Reset Enable H: Reset Disable
44	W-SW	Wired RC Detect	I	→	H: Not Inserted L: Inserted
45	SH_CHK_DPRAM	PW INT Clear Monitor Input	I	→	L: INT Not Cleared
46	15V_LNS_PF	15V_LNS Power Fail Detect	I		
47	9V_LNS_PF	9V_LNS Power Fail Detect	I		
48	C_READY		I	→	Not used
49			O	→	
50	GND	-	-	-	-
51	S3.3V	-	-	-	-
52	RC_CTL_0	Rear RC Receiver Switch	O	→	L: Rear Select
53	RC_CTL_1	FrontRC Receiver Switch	O	→	L: Front Select
54	FPGA_HZ	FPGA Hi-Z (DRAM Reaet)	O	→	H after configuration
55	SH_BSY	DPRAM Access Control Output	O	→	L: BUSY
56	LAMP_FAN_PF	LAMP_FAN Power Fail Detect	I	→	L: Error
57	LENS_LEFT_EX	Lens Shift Left	O	→	L: Active H: Not Active
58	LENS_RIGHT_EX	Lens Shift Right	O	→	L: Active H: Not Active
59	LENS_L_POS	Lens Left Position Detect	I	→	L: Limited Position
60	LENS_R_POS	Lens Right Position Detect	I	→	L: Limited Position
61	FILTER_LED_EX	Filter LED On/Off	O	→	L: On H: Off
62	GAM_1.8V_PF	GAM_1.8V Power Fail Detect	I		L: Error
63	GAM_2.5V_PF	GAM_2.5V Power Fail Detect	I		
64	PJ_5V_PF	PJ_5V Power Fail Detect	I	→	L: Error
65	-5V_AV_PF	-5V_AV Power Fail Detect	I	→	L: Error
66	S5V_AV_PF	S5V Power Fail Detect	I	→	L: Error
67	MAIN_5V_PF	MAIN_5V Power Fail Detect	I	→	L: Error
68	M/A_PF	M/A Power Fail Detect	I	Not Checked	L: Error
69	FAN_PF	FAN Power Fail Detect	I	→	L: Error
70	SWF_1.2V_PF	SWF_1.2V Power Fail Detect	I	→	L: Error
71	SWF_2.5.V_PF	SWF_2.5.V Power Fail Detect	I	→	L: Error
72	VDEC_1.8V_PF	VDEC_1.8V Power Fail Detect	I	Not Checked	L: Error
73	FPGA_1.5V_PF	FPGA_1.5V Power Fail Detect	I	Not Checked	L: Error
74	GAM_15.5V_PF	GAM_15.5V Power Fail Detect	I	Not Checked	L: Error
75	S3.3V	-	-	-	-
76	GND	-	-	-	-
77	MAIN_6V_PF	MAIN_6V Power Fail Detect	I	Not Checked	L: Error
78	MAIN_3.3V_PF	MAIN_3.3V Power Fail Detect	I	Not Checked	L: Error
79	GND	-	-	-	-
80	AD_3.3V_PF	AD_3.3V Power Fail Detect	I	Not Checked	L: Error
81	GND	-	-	-	-
82	VEC_3.3V_PF		I		
83	Not used	Not used	I		
84	MOUSE_TXD	PJ-Net Mouse Data Output	O	→	
85	GND	-	-	-	-
86	GAM_3.3V_PF		I	→	
87	S3.3V	-	-	-	-
88	13.5V_PF		I	→	
89	PJ_SH_UART1	PJ-Net Command (SH:RXD)	I	→	Normal:19200bps PJ-Net:76800bps
90	SH_PJ_UART1	PJ-Net Command (SH:TXD)	O	→	Normal:19200bps PJ-Net:76800bps
91	GND	-	-	-	-
92	Not used	Not used	I	→	L Fixed
93	GND	-	-	-	-
94	Not used	Not used	O	→	L Fixed
95	IRQ0	PJ-Net Serial Interrupt Output	O	→	Active H
96	???	Air Mouse Serial Interrupt Output	O	→	
97	PRODUCT_OPT1	Product Option	I	→	H: Product
98	PRODUCT_OPT2	Product Option	I	→	H: Product
99	GND	-	-	-	-
100	GND	-	-	-	-

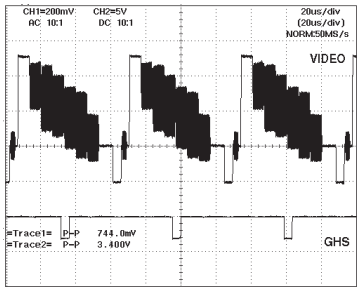
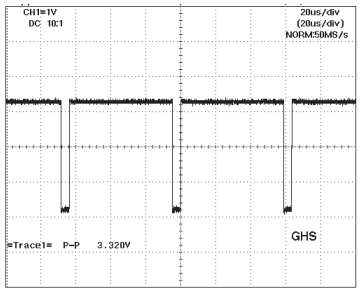
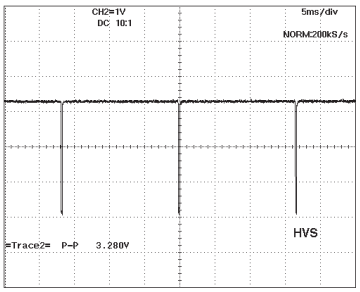
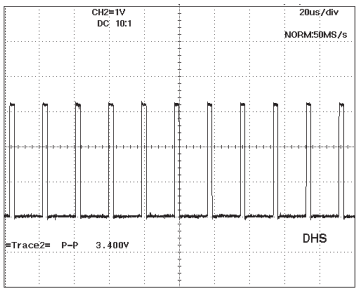
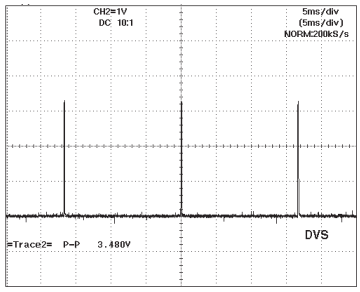
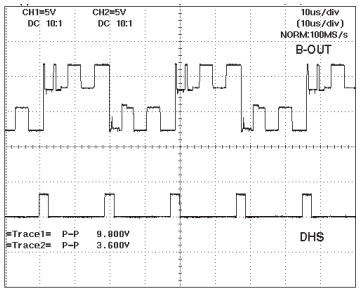
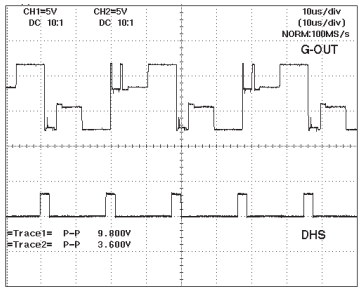
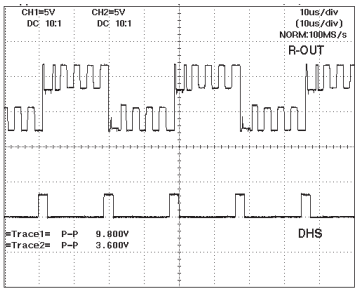
IIC Bus 8Bits 8ch 5V D/A Converter (M62393FP No.1 Fan Control)

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_CONT1	FAN_X Control Voltage (Panel Cooling Fan)	AO	→	0:FAN Max ~ 255:FAN Min
5	FAN_CONT2	FAN_X Control Voltage (Panel Cooling Fan)	AO	→	0:FAN Max ~ 255:FAN Min
6	FAN_6_DRIVE	FAN_X Drive(CPU213:FAN_DRIVE_CPU - AND)	AO	→	255:ON 0:OFF
7	Not used		AO	→	(Open)
8	DAC Lower Ref. Voltage		-	→	
9	DAC Upper Ref. Voltage(CH5~CH8)		-	→	
10	GND		-	→	
11	DAC Upper Ref. Voltage (CH1~CH4)		-	→	
12	FAN_CONT3	FAN_X Control Voltage (LAMP Cooling Fan)	AO	→	0:FAN Max ~ 255:FAN Min
13	FAN_CONT7	FAN_X Control Voltage (Set Exhaust Fan Small)	AO	→	0:FAN Max ~ 255:FAN Min
14	FAN_CONT6	FAN_X Control Voltage (Set Exhaust Fan Big)	AO	→	0:FAN Max ~ 255:FAN Min
15	FAN_CONT5	FAN_X Control Voltage (Power Cooling 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 (GND)		I	→	H
20	Slave Address Setting Pin0 (GND)		I	→	H

Parallel Output Expander (74LCX574)

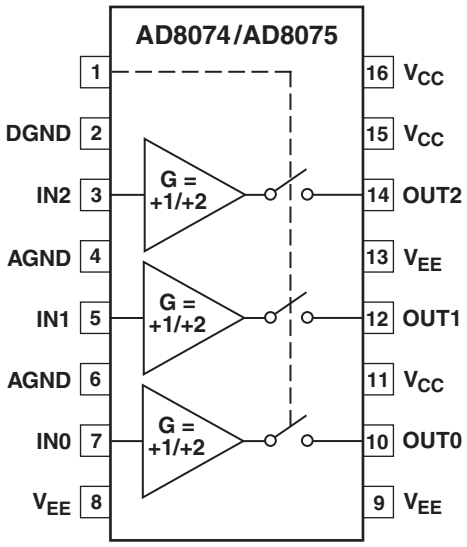
Pin No.	Function Name	Function	Pol.	Action	
				Stand-by	Power On
1	PIO_EN	Parallel I/O Enable Input	I	→	-
2	D0	Data Bus 0	I	→	-
3	D1	Data Bus 1	I	→	-
4	D2	Data Bus 2	I	→	-
5	D3	Data Bus 3	I	→	-
6	D4	Data Bus 4	I	→	-
7	D5	Data Bus 5	I	→	-
8	D6	Data Bus 6	I	→	-
9	D7	Data Bus 7	I	→	-
10	GND	-	-	-	-
11	PIO_CS_WE	Clock Input	I	→	
12	SW_3.3VGAM_VDDA3	Power Control for Digital Gamma	O	Fixed L	
13	Not used		O		
14	SW_2.5VGAM_VDE2	Power Control for Digital Gamma	O	Fixed L	
15	Not used		O		
16	SW_1.8VGAM_VDDI	Power Control for Digital Gamma	O	Fixed L	
17	Not used		O		
18	RST_S&H_SH	S&H Reset Signal	O		
19	DAC_VDDMNT	S&H Shutdown Monitor	O	Fixed L	H: Normal L:SIGOUT Not Invert
20	3.3V	Power Supply	-	-	-

Waveform

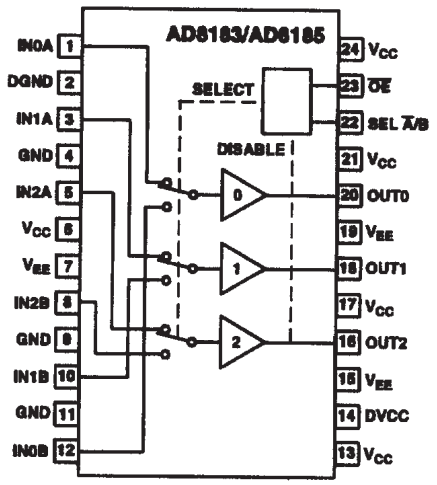
VIDEO signal <VIDEO>	HSYNC signal <HOUT>	VSYNC signal <VOUT>
		
HSYNC signal <HS1>	**VSYNC signal <VS1>**	
		
R-S&H signal <TP501>	**G-S&H signal <TP531>**	**B-S&H signal <TP561>**
		

IC Block Diagrams

● AD8075 <Amp-SW, IC1009, IC4001>



● AD8183 <Amp-SW, IC1001, IC2001>



● AD9882 <PC A/D, IC8201>

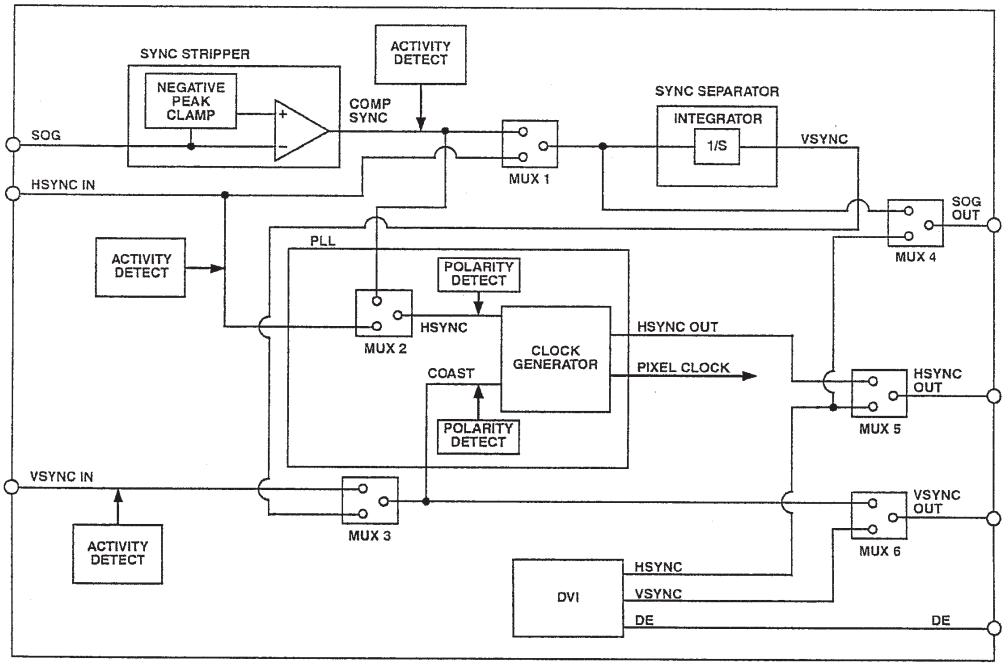
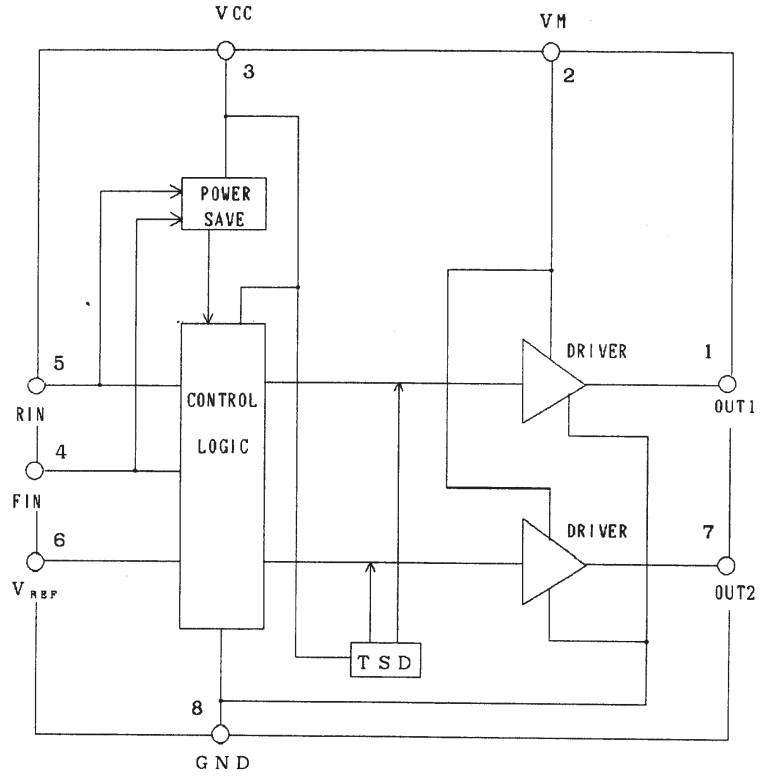
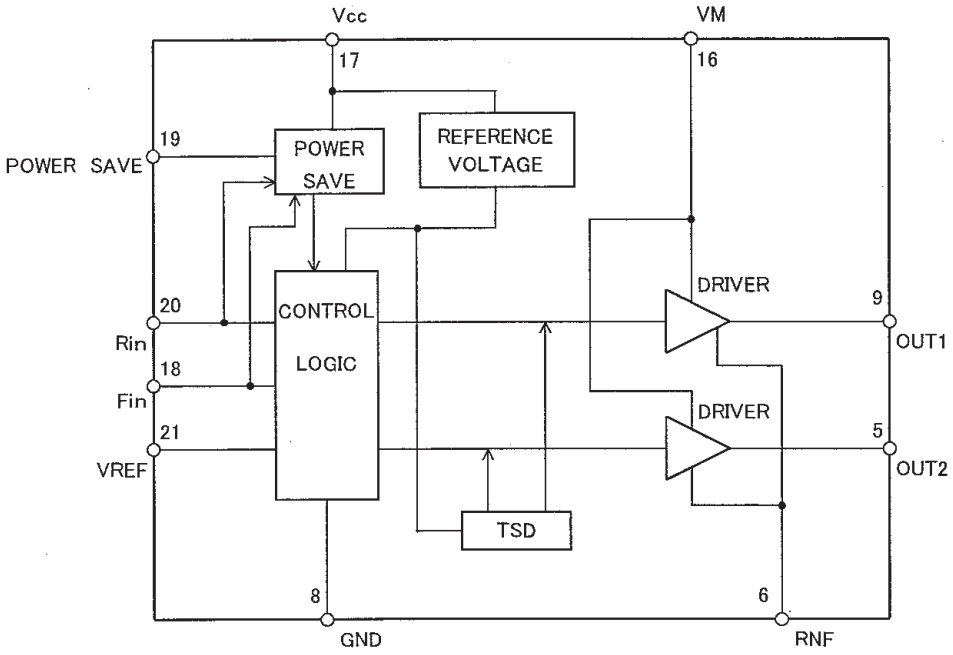


Figure 18. Sync Processing Block Diagram

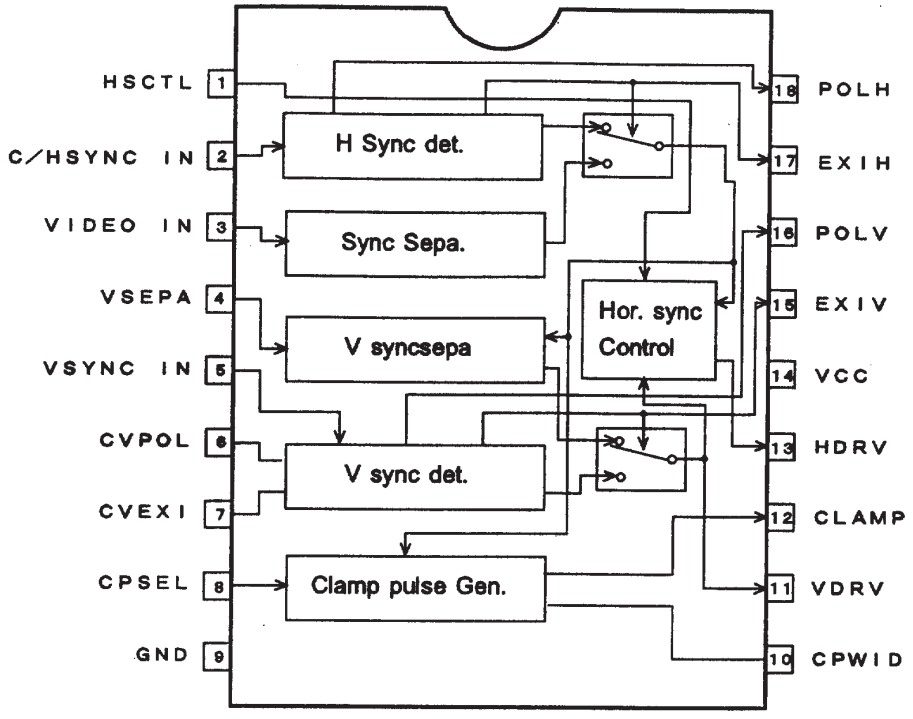
● BA6287 <Motor Drive Focus, Zoom, IC5501, IC5521>



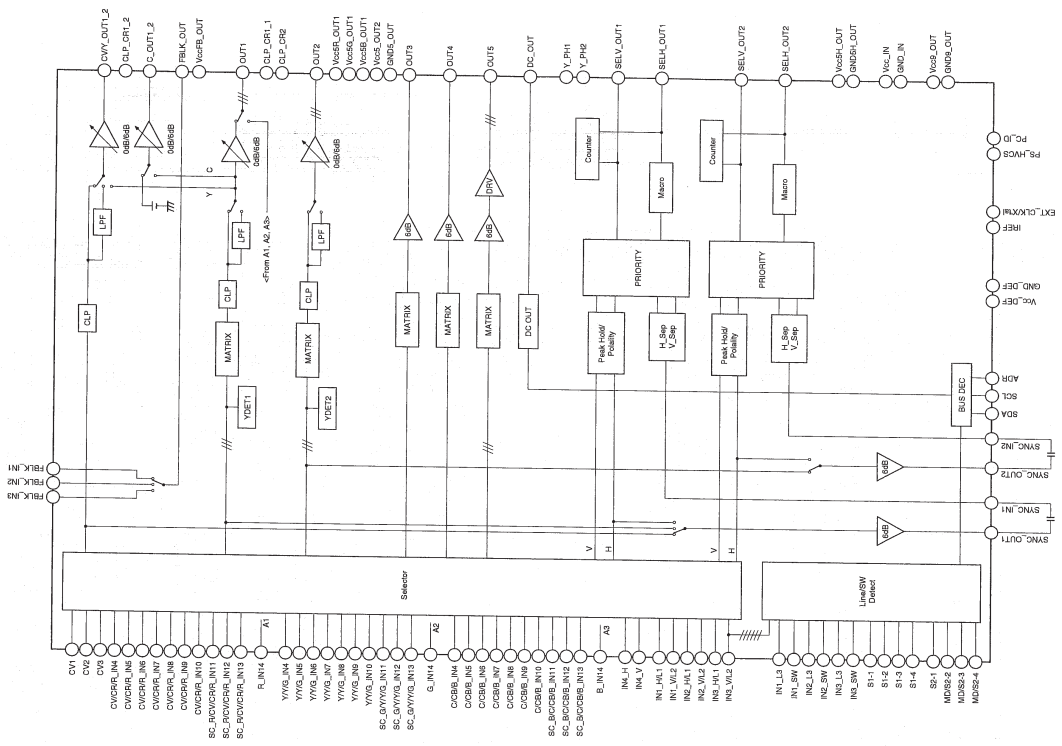
● BA6920 <Motor Drive Lens Shift Up/Down, Left/Right, IC6501, IC6521>



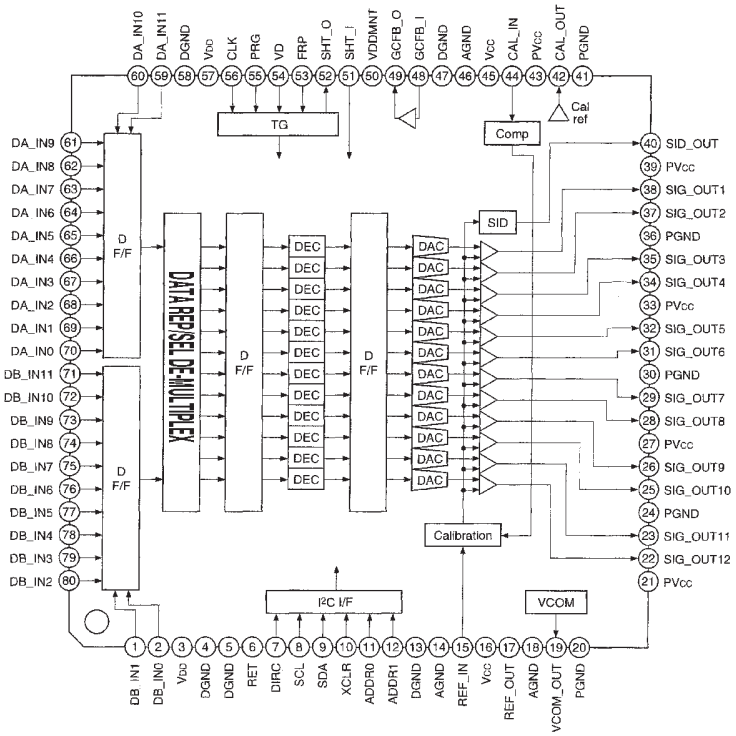
● BA7078 <Sync Separator, 1011>



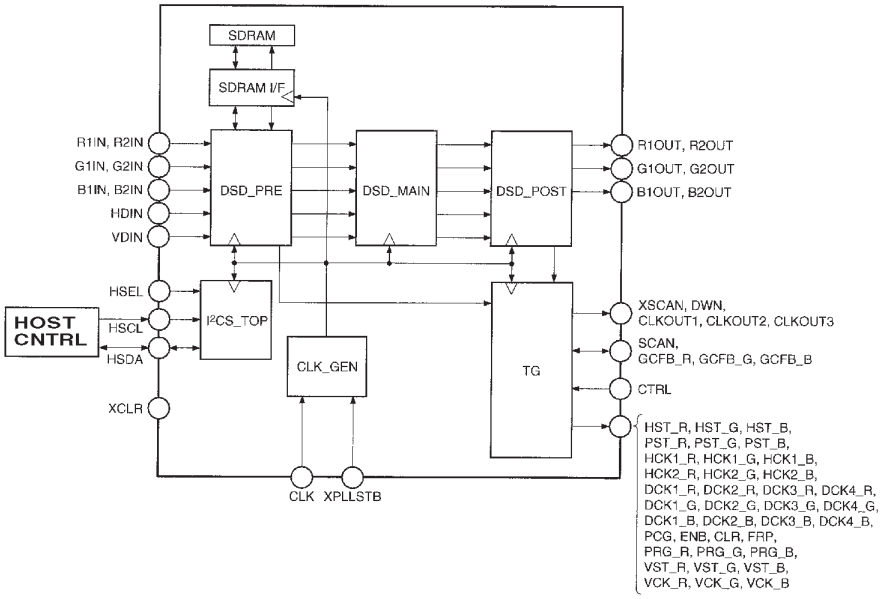
● CXA2239 <Video Selector, IC101>



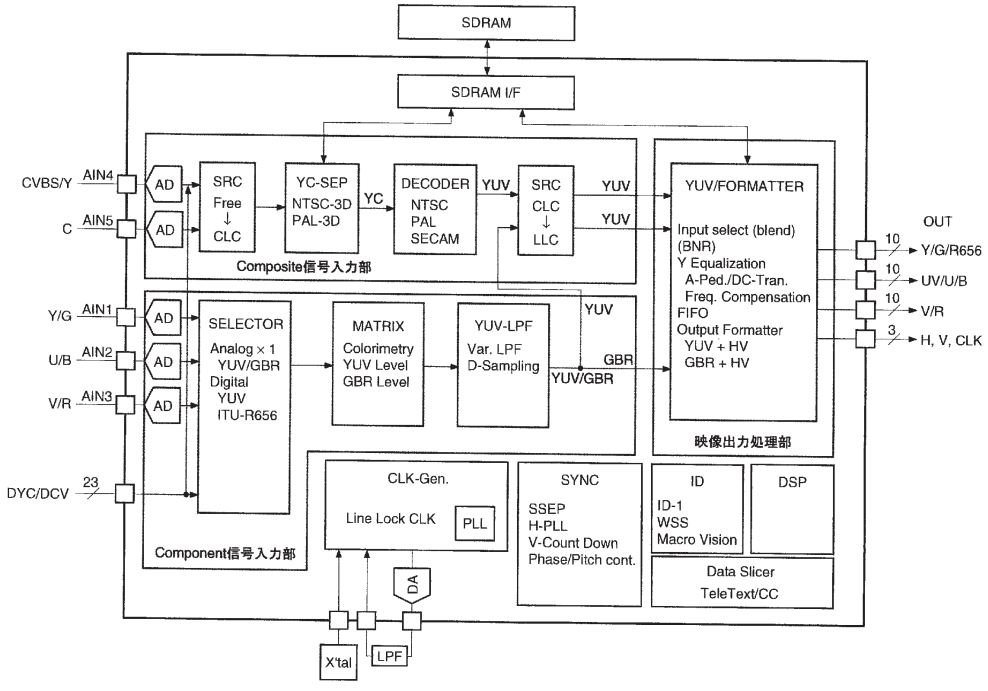
● CXA7007 <Sample&Hold, IC501, IC531, IC561, IC1501, IC1531, IC1561>



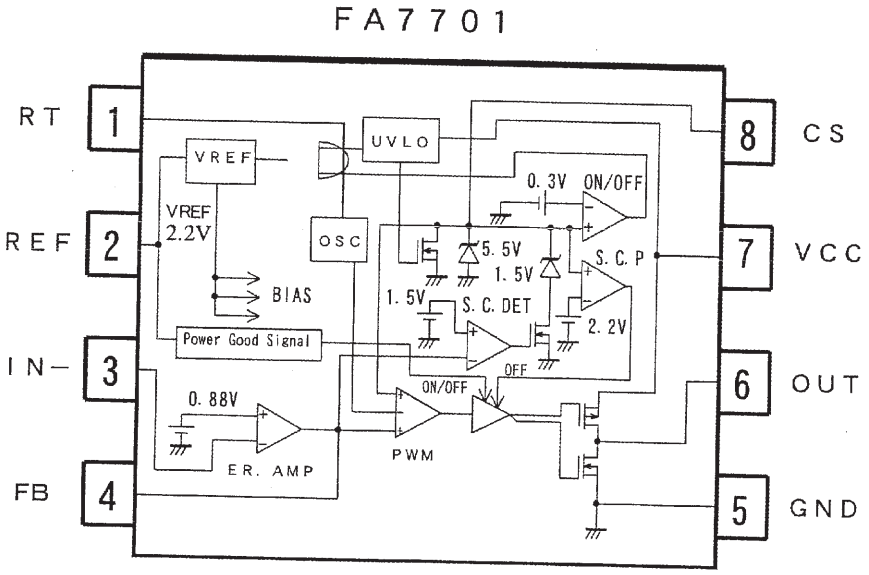
● CXD3540 <Digital Gamma Shift & LCD Driver, IC401>



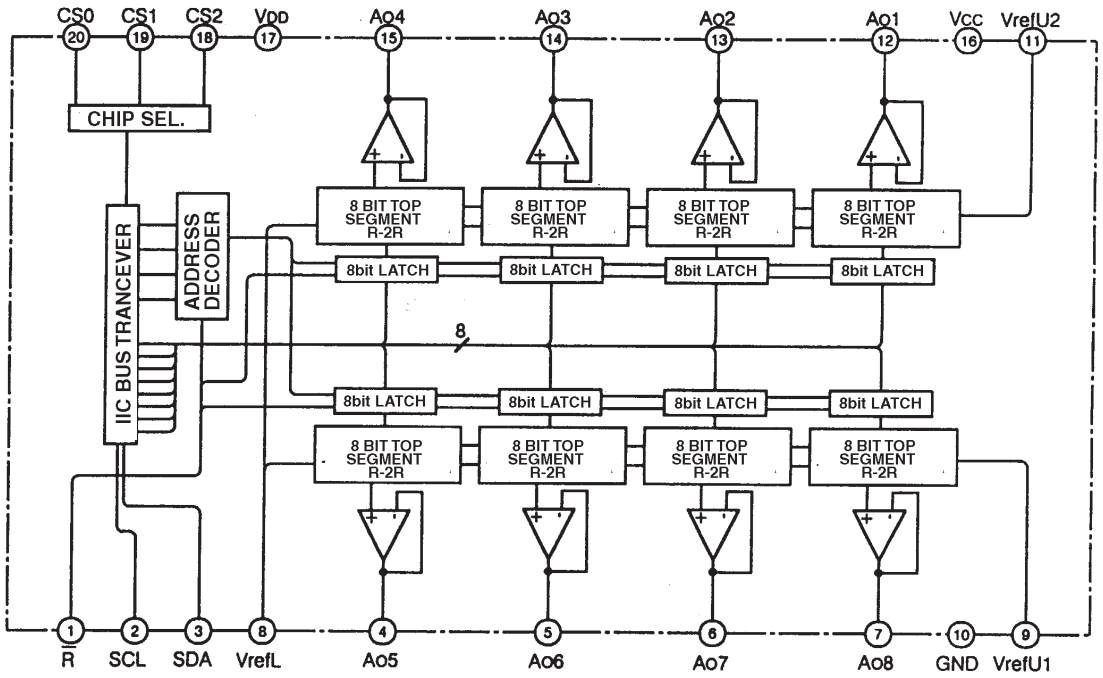
● CXD3815 <Video Decoder & A/D, IC9201>



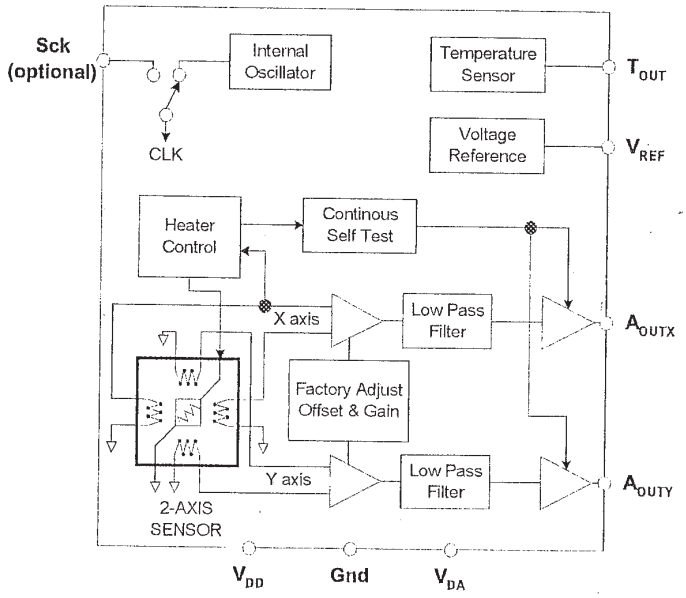
● FA7701 <Switching Controller, IC6606, IC7701, IC7721, IC7741,IC7741, IC7761, IC7821, IC7841, IC7861>



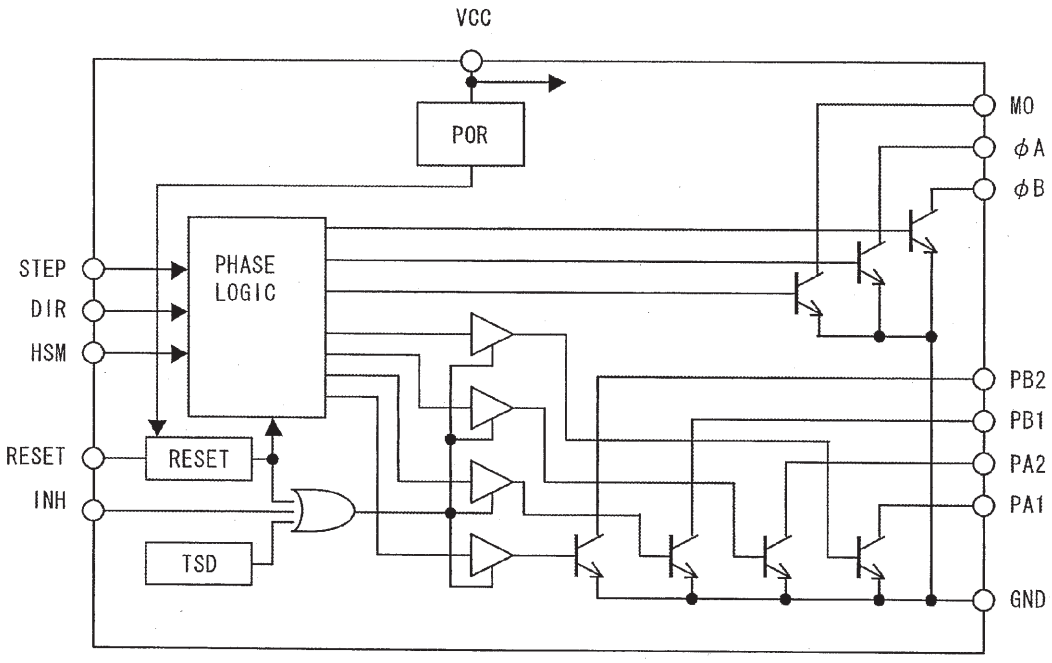
● M62393 <DAC, IC7801>



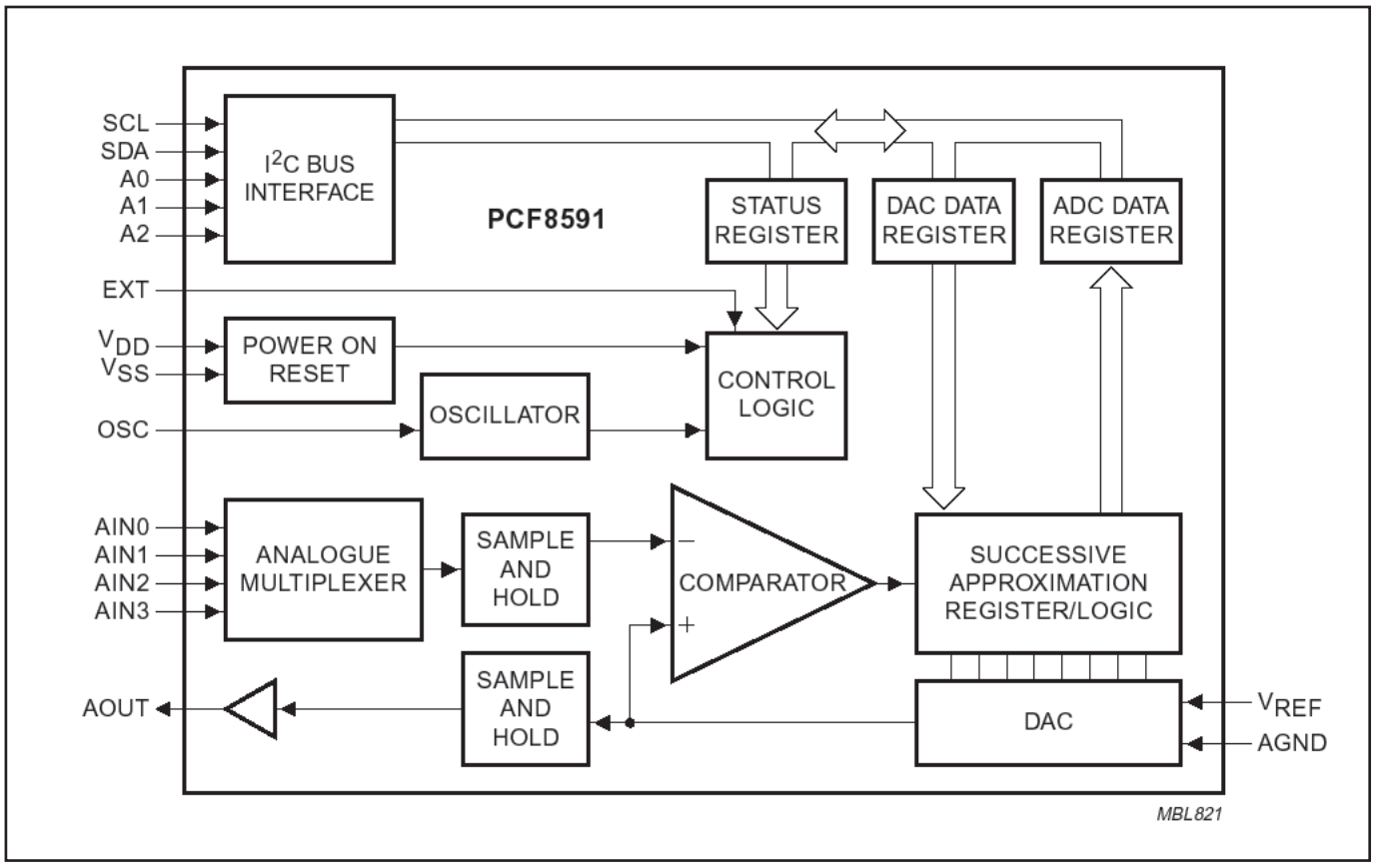
● MXA2500 <Dual Axis Accelerometer, IC1881, IC1882>



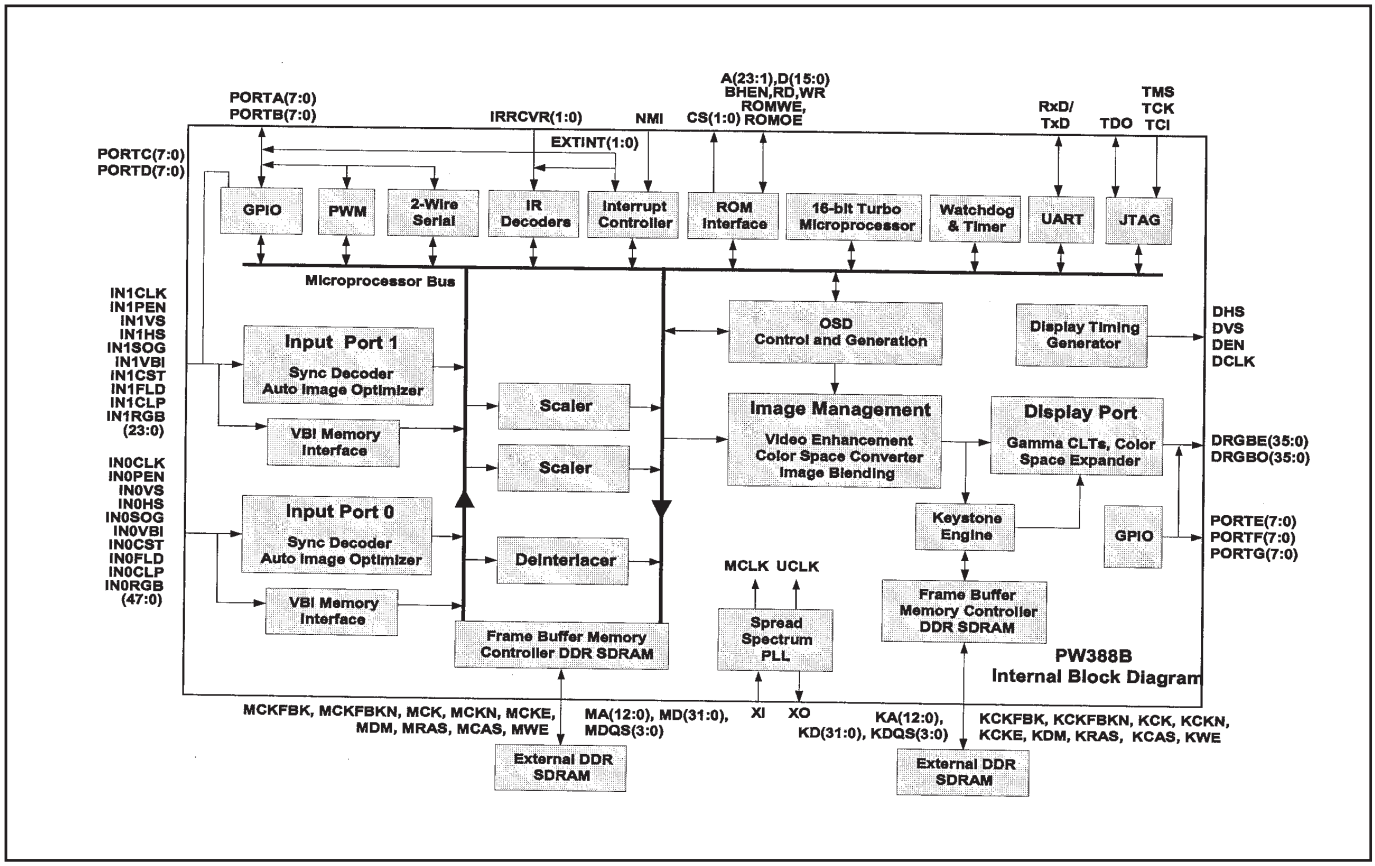
● NJM2671 <Motor Controller, IC5541>



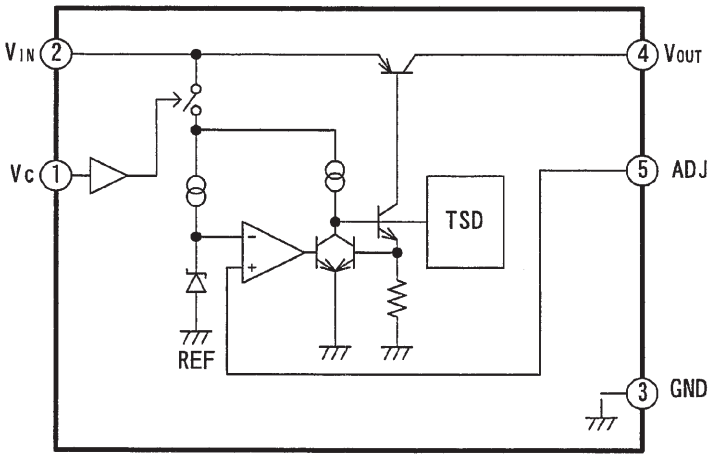
● PCF8591 <A/D, D/A Converter, IC1883>



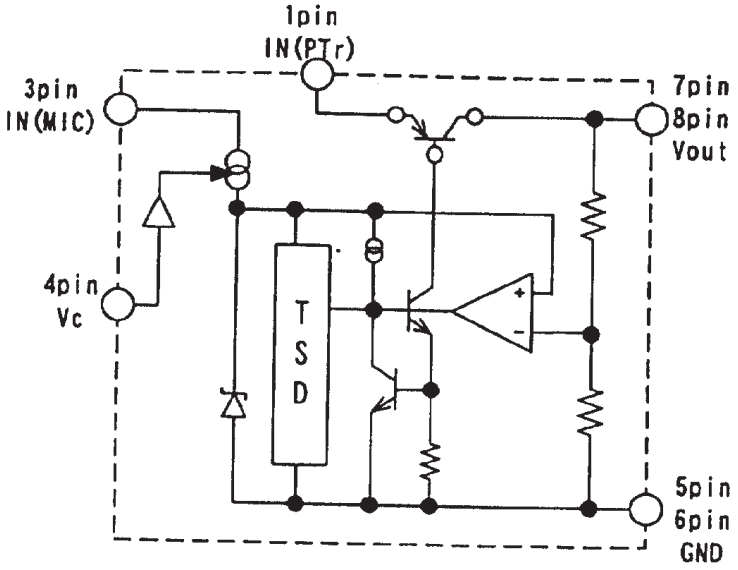
● PW388 <Scaler, IC301>



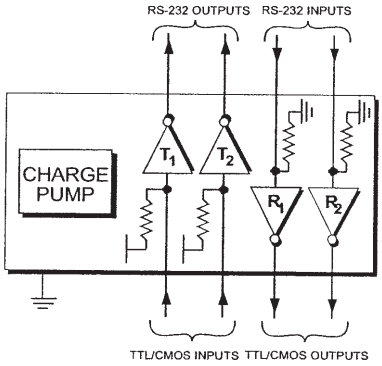
● SI-3010 <Regulator, IC1252, IC3401, IC3403, IC3451>



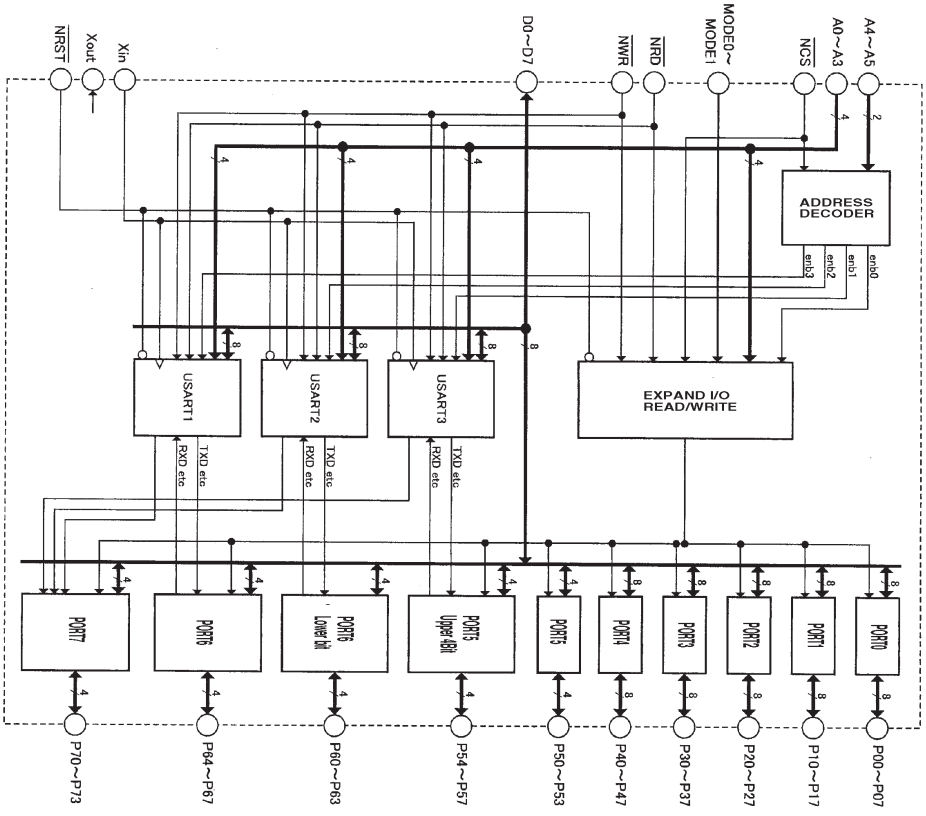
● SI-3018, SI-3025 <Regulator, IC1452, IC231, IC251, IC1251, IC1451>



● SP232 <RS-232C Driver, IC3801>



● TIC81592<I/O Expander, IC4801



Electrical Parts List

Product safety should be considered when a component replacement is made in any area of a projector.
Components indicated by a ⚠ 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 : ±0.1pF	C : ±0.25pF
D : ±0.5pF	E : +0 -1pF	F : ±1PF
G : ±2pF	H : +0.1 -0pF	L : +0 -0.1pF
R : ±0.25 -0pF	S : +0-0.25pF	

More than 10pF

A : Not specified	B : ±0.1%	C : ±0.25%
D : ±0.5%	F : ±1%	G : ±2%
H : ±3%	J : ±5%	K : ±10%
L : ±15%	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%

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: ±10ppm/°C	U: ±25ppm/°C	C: ±50ppm/°C
D: ±100ppm/°C	E: ±200ppm/°C	F: ±250ppm/°C
G: ±350ppm/°C	H: ±1000ppm/°C±10%	W: ±1200ppm/°C±10%
Y: ±1400ppm/°C±10%	J: ±2000ppm/°C±10%	K: ±2400ppm/°C±10%
L: ±2700ppm/°C±10%	M: ±3000ppm/°C±10%	N: ±3300ppm/°C±10%
P: ±3600ppm/°C±10%	Q: ±3900ppm/°C±10%	R: ±4200ppm/°C±10%
S: ±4300ppm/°C±10%	V: ±4500ppm/°C±10%	X: ±8000ppm/°C±10%

Tolerance Symbols:
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: 0 ohm

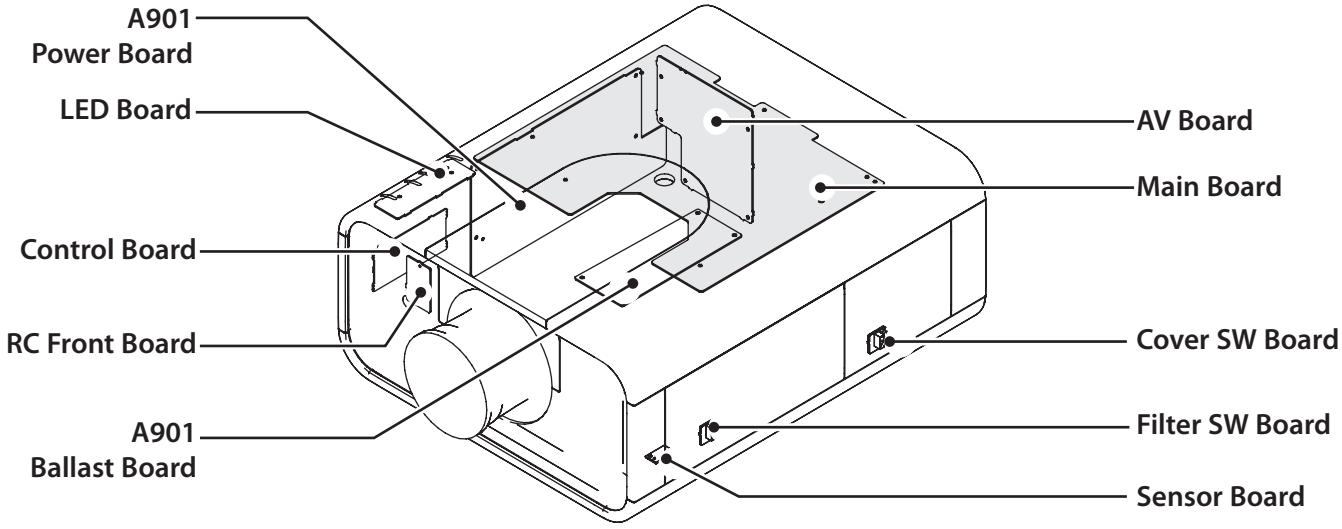
Rated value, ohms:
K: 1,000, M: 1,000,000

Material:

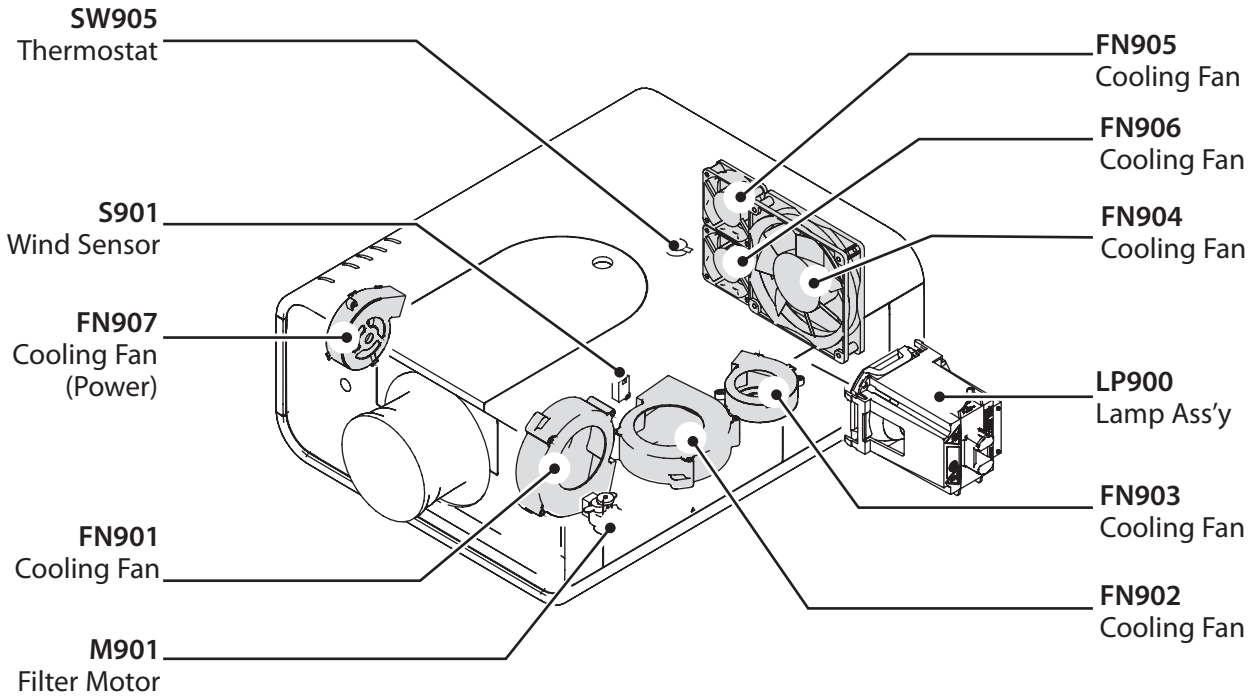
CARBON	Carbon
MT-FILM	Metal Film
OXIDE-MT	Oxide Metal Film
SOLID	Composition
MT-GLAZE	Metal Glaze
WIRE WOUND	Wire Wound
CERAMIC RES.	Ceramic
FUSIBLE RES.	Fusible
RESISTOR	Other

Electrical Parts Location

● Assemblied Boards



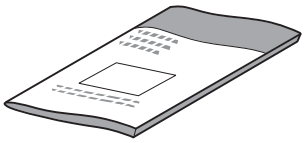
● Out Of Circuit Board



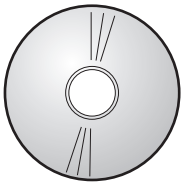
● Accessories (see accessories parts list)

REMOTE CONTROL

QUICK SETUP GUIDE

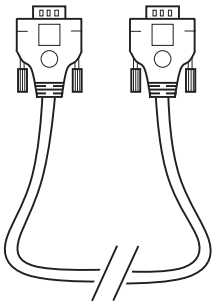


CD-ROM,OWNERS MANUAL

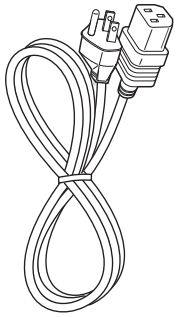


CABLE,USB

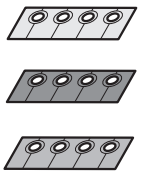
CABLE,INTERFACE



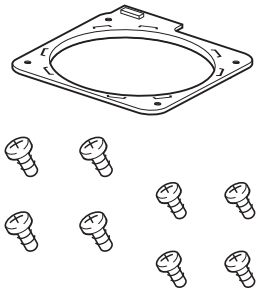
CORD,POWER



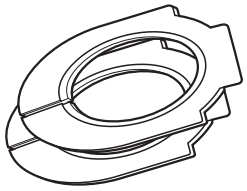
ASSY,SPACER



ASSY, COVER LENS



ASSY,MOUNTING LENS



Electrical Parts List

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

Key No.	Part No.	Description
ASSEMBLED BOARDS		
⚠	**610 333 1379**	**ASSY,PWB,MAIN KC3A**
⚠	**610 333 1362**	**ASSY,PWB,CONTROL KC3A**
⚠	**610 333 1645**	**ASSY,PWB,SENSOR KC3A**
⚠	**610 333 1447**	**ASSY,PWB,A/V KC3A**
⚠	**610 333 1409**	**ASSY,PWB,R/C FRONT KC3A**
⚠	**610 333 2833**	**ASSY,PWB, COVER SW KC3A**
⚠	**610 333 7326**	**ASSY,PWB, LED KC3A**
⚠	**610 334 4553**	**ASSY,PWB, FILTER SW KC3A**
OUT OF CIRCUIT BOARD		
L901	945 003 3811	CORE,FERRITE
L902	945 003 3835	CORE,FERRITE
L903	945 050 8418	CORE,CLAMP
L904	945 003 3811	CORE,FERRITE
L905	945 003 3811	CORE,FERRITE
L906	945 003 3811	CORE,FERRITE
L907	945 003 3835	CORE,FERRITE
⚠ LP900	610 334 2788	COMPL,OPTICAL LMP-KC3A
⚠ A901	645 093 0980	UNIT,BALLAST
⚠ FN901	645 093 0973	MOTOR,BLW DC 10.8W
⚠ FN902	645 093 0973	MOTOR,BLW DC 10.8W
⚠ FN903	645 093 9037	MOTOR,BLW DC 3.0W
⚠ FN904	645 093 0959	MOTOR,FAN DC 2.52W
⚠ FN905	645 093 0942	MOTOR,FAN DC 1.68W
⚠ FN906	645 093 0942	MOTOR,FAN DC 1.68W
⚠ FN907	645 093 9037	MOTOR,BLW DC 3.0W
⚠ M901	645 093 2571	MOTOR,DC 12V
S901	645 093 2533	UNIT,WIND VELOCITY SENSOR
⚠ SW905	645 093 3592	THERMOSTATS
⚠ A902	610 337 7704	UNIT,POWER(AC) SERVICE KC3AL
WLP&A901	610 337 6370	CABLE,BALLAST SERVICE KC3AL
⚠ FUSE	323 027 2605	FUSE 250V 10A
610 333 1379 ASSY,PWB,MAIN KC3A		
TRANSISTOR		
Q101	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q102	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
Q103	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
Q106	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
Q111	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
Q112	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
Q113	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
Q114	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
Q116	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
Q1454	305 151 2013	TR FSS134-TL

Electrical Parts List

Key No.	Part No.	Description
Q1457	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q1458	305 151 2013	TR FSS134-TL
Q1459	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q1861	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q2501	305 158 9213	TR IMZ4-T108
Q2502	305 158 9213	TR IMZ4-T108
Q2531	305 158 9213	TR IMZ4-T108
Q2532	305 158 9213	TR IMZ4-T108
Q2561	305 158 9213	TR IMZ4-T108
Q2562	305 158 9213	TR IMZ4-T108
Q2801	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q2803	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q301	305 045 8728	TR 2SK536-TB
Q302	305 045 8728	TR 2SK536-TB
Q303	305 045 8728	TR 2SK536-TB
Q304	305 045 8728	TR 2SK536-TB
Q306	305 045 8728	TR 2SK536-TB
Q307	305 045 8728	TR 2SK536-TB
Q5501	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5521	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5801	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5818	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5819	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5827	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5828	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5833	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5834	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5850	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
Q5851	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
Q5852	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB

Electrical Parts List

Key No.	Part No.	Description
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
Q5853	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
Q5861	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
Q5862	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5863	305 217 7518	TR RN1102 TE85L
Q5864	305 217 7419	TR RN2102 TE85L
Q5871	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5872	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5878	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5879	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5886	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q5887	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q6501	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q6521	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q6611	305 217 8515	TR RSQ025P03-TR
Q6612	305 047 9010	TR 2SB1204-S-TL
Q6613	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q6621	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q6622	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q6691	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q6692	305 151 2013	TR FSS134-TL
Q6693	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q6694	305 151 2013	TR FSS134-TL
Q6696	305 213 7710	TR UPA1730TP-E1
Q7701	305 151 2013	TR FSS134-TL
Q7702	305 139 7719	TR IMZ1A-T108
Q7721	305 151 2013	TR FSS134-TL
Q7722	305 139 7719	TR IMZ1A-T108
Q7741	305 217 8515	TR RSQ025P03-TR
Q7742	305 139 7719	TR IMZ1A-T108
Q7781	305 014 4512	TR 2SC2412K T146 R

Electrical Parts List

Key No.	Part No.	Description
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q7782	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q7783	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q7784	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q7791	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q7806	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q7807	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q7821	305 151 2013	TR FSS134-TL
Q7822	305 139 7719	TR IMZ1A-T108
Q7841	305 151 2013	TR FSS134-TL
Q7842	305 139 7719	TR IMZ1A-T108
Q7843	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q7861	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q7862	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q7863	305 151 2013	TR FSS134-TL
Q7864	305 139 7719	TR IMZ1A-T108
Q7921	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q801	305 045 8728	TR 2SK536-TB
Q802	305 045 8728	TR 2SK536-TB
Q8201	305 191 5814	TR 3LN01C-TB-E
Q8202	305 191 5814	TR 3LN01C-TB-E
Q9201	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
Q9202	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q9203	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
Q9204	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q9206	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
Q9207	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB

Electrical Parts List

Key No.	Part No.	Description
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
Q9208	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
INTEGRATED CIRCUIT		
IC102	309 400 7118	IC TC7W53FU-(TE12L)
IC103	309 336 3225	IC TC7SH02FU(TE85L)
IC104	309 497 6315	IC BA09FP-E2
IC107	309 330 2511	IC TC7SH04FU-(TE85L)
IC108	309 400 7118	IC TC7W53FU-(TE12L)
IC1201	310 605 1709	IC XC3S50-4TQG144C
IC1251	309 534 1716	IC SI-3025LSA-TL
IC1252	309 670 5418	IC SI-3010KM
IC1281	309 400 7118	IC TC7W53FU-(TE12L)
IC1282	309 487 5727	IC TC7SZ125FU
IC1301	310 522 0908	IC EDD2516AKTA-5C
IC1305	410 651 7400	IC S29JL064H70TFI-0798-A
IC1306	309 553 4712	IC PQ070XZ02ZP
IC1307	309 553 4712	IC PQ070XZ02ZP
IC1311	310 522 0908	IC EDD2516AKTA-5C
IC1312	309 368 5812	IC TC7SH08FU(TE85L)
IC1321	310 522 0908	IC EDD2516AKTA-5C
IC1331	310 522 0908	IC EDD2516AKTA-5C
IC1401	410 628 4906	IC TC7WBL125AFK(T5L,F
IC1451	309 534 1716	IC SI-3025LSA-TL
IC1452	309 583 8117	IC SI-3018LSA-TL
IC1801	310 617 2008	IC EM638325TS-6G
IC1811	410 634 7304	IC S29JL032H70TFI02-0799
IC1813	310 595 6500	IC SN74AHC1G32DCKR
IC1831	309 400 7118	IC TC7W53FU-(TE12L)
IC1832	310 595 6500	IC SN74AHC1G32DCKR
IC1841	309 400 7118	IC TC7W53FU-(TE12L)
IC1842	310 595 9105	IC 74LVC1G32GW,125
IC1843	309 462 2311	IC TC7SZ04FU-TE852
IC1851	310 346 8807	IC TC74LCX574FT
IC1852	310 595 6500	IC SN74AHC1G32DCKR
IC1854	309 395 5915	IC TC7SH00FU-(TE85L)
IC1856	309 330 2511	IC TC7SH04FU-(TE85L)
IC1871	310 362 6603	IC TC74ACT541FT
IC1872	310 362 6603	IC TC74ACT541FT
IC1873	309 330 2511	IC TC7SH04FU-(TE85L)
IC1881	309 644 3310	IC MXA2500EL
IC1882	309 644 3310	IC MXA2500EL
IC1883	309 601 2922	IC PCF8591T
IC231	309 583 8117	IC SI-3018LSA-TL
IC251	309 583 8117	IC SI-3018LSA-TL
IC261	309 416 6419	IC BA033FP-E2
IC271	309 539 8918	IC PQ033EZ01ZP
IC2802	310 596 0002	IC 74LVC1G125GW/G,125
IC281	309 539 8918	IC PQ033EZ01ZP
IC291	309 539 8918	IC PQ033EZ01ZP
IC301	309 654 8114	IC PW388B-10L
IC302	309 533 6019	IC 24LC32AT-I/SNG
IC303	309 368 5812	IC TC7SH08FU(TE85L)
IC311	310 423 8003	IC TC74LCX138FT
IC3201	309 330 2511	IC TC7SH04FU-(TE85L)
IC3202	310 595 6401	IC SN74AHC1G00DCKR
IC3203	309 330 2511	IC TC7SH04FU-(TE85L)
IC3204	310 595 6401	IC SN74AHC1G00DCKR
IC3251	310 362 6603	IC TC74ACT541FT
IC3281	309 558 9415	IC LP2995MX
IC3401	309 670 5418	IC SI-3010KM
IC3402	310 402 6303	IC MSM56V16160F-8TS-K
	310 600 5108	IC MSM56V16160J-8T3-K
IC3403	309 670 5418	IC SI-3010KM
IC3451	309 670 5418	IC SI-3010KM
IC401	409 680 7317	IC CXD3540AGB
IC4401	410 631 4405	IC EP2C35F484C8N
IC4409	410 628 4906	IC TC7WBL125AFK(T5L,F
IC4701	310 538 8202	IC IDT70V24S15PFG
IC4801	309 626 7718	IC TIC81592GP-B
IC4821	309 604 5514	IC TC7SZ02FU
IC5501	309 362 1127	IC BA6287F
IC5521	309 362 1127	IC BA6287F
IC5541	409 684 3919	IC NJM2671E2(TE1)
IC5542	309 605 3212	IC BAJ2CC0FP
IC5801	309 529 6214	IC PQ070XZ1HZP
IC5802	310 610 4306	IC XC61CC3002MR
IC5881	309 416 6518	IC BA05FP-E2
IC5891	309 416 6518	IC BA05FP-E2
IC592	309 461 7822	IC PQ20WZ11
IC6501	309 537 6213	IC BA6920FP-YE2
IC6521	309 537 6213	IC BA6920FP-YE2
IC6541	310 362 6504	IC TC74LCX541FT
IC6606	309 531 6229	IC FA7701V-TE1
IC6608	409 685 8913	IC NJU7708F27(TE1)
IC6609	309 654 4611	IC XC6365D103MR
IC7701	309 531 6229	IC FA7701V-TE1
IC7721	309 531 6229	IC FA7701V-TE1
IC7741	309 531 6229	IC FA7701V-TE1
IC7761	309 531 6229	IC FA7701V-TE1
IC7801	309 458 3414	IC M62393FP
IC7802	309 301 5510	IC TC7S08FU(TE85L)
IC7821	309 531 6229	IC FA7701V-TE1
IC7841	309 531 6229	IC FA7701V-TE1
IC7861	309 531 6229	IC FA7701V-TE1
IC801	310 461 3503	IC HD6417727F160CV
IC802	310 538 4907	IC 24LC64T-I/SNG
IC803	409 685 8913	IC NJU7708F27(TE1)
IC804	309 522 7515	IC TC7SA08FU
IC8041	309 620 3419	IC PCA9540BDP
IC8051	310 517 6809	IC TC74LVX4053FT
IC8052	309 558 7213	IC 24C02CT-I/SNG
IC806	309 395 5915	IC TC7SH00FU-(TE85L)
IC8061	310 517 6809	IC TC74LVX4053FT
IC8062	309 487 5816	IC 24C01CT/SN
IC807	309 368 5812	IC TC7SH08FU(TE85L)
IC8071	310 517 6809	IC TC74LVX4053FT
IC8201	310 476 5509	IC AD9882KSTZ-140
IC8202	309 520 5513	IC TC7WZ08FU
IC8203	309 536 5514	IC AD8074ARUZ-REEL
IC843	310 596 0002	IC 74LVC1G125GW/G,125
IC9202	310 550 2202	IC EDS6416AHTA-75-E
IC9203	309 400 7118	IC TC7W53FU-(TE12L)
IC9811	310 484 0305	IC SN75240PWR
IC9821	310 474 1503	IC HD74LV1G126A
IC9822	309 301 5510	IC TC7S08FU(TE85L)
IC9823	309 301 5510	IC TC7S08FU(TE85L)
IC9824	309 330 2511	IC TC7SH04FU-(TE85L)
IC9826	309 487 5727	IC TC7SZ125FU
CAPACITOR		
C101	303 372 7510	CERAMIC 2.2U K 6.3V
C102	303 372 7510	CERAMIC 2.2U K 6.3V
C103	303 409 3426	CERAMIC 0.1U K 16V
C104	303 409 3426	CERAMIC 0.1U K 16V

Electrical Parts List

Key No.	Part No.	Description		
C105	303 409 3426	CERAMIC	0.1U K	16V
C106	303 409 3426	CERAMIC	0.1U K	16V
C107	303 409 3426	CERAMIC	0.1U K	16V
C108	303 409 3426	CERAMIC	0.1U K	16V
C109	303 409 3426	CERAMIC	0.1U K	16V
C111	303 409 3426	CERAMIC	0.1U K	16V
C112	303 409 3426	CERAMIC	0.1U K	16V
C113	303 409 3426	CERAMIC	0.1U K	16V
C114	303 409 3426	CERAMIC	0.1U K	16V
C116	303 409 3426	CERAMIC	0.1U K	16V
C117	303 409 3426	CERAMIC	0.1U K	16V
C118	303 409 3426	CERAMIC	0.1U K	16V
C119	303 409 3426	CERAMIC	0.1U K	16V
C1201	303 409 3426	CERAMIC	0.1U K	16V
C1202	303 409 3426	CERAMIC	0.1U K	16V
C1203	303 409 3426	CERAMIC	0.1U K	16V
C1204	303 409 3426	CERAMIC	0.1U K	16V
C1206	303 409 3426	CERAMIC	0.1U K	16V
C1207	303 409 3426	CERAMIC	0.1U K	16V
C1208	303 409 3426	CERAMIC	0.1U K	16V
C1209	303 409 3426	CERAMIC	0.1U K	16V
C121	303 372 7510	CERAMIC	2.2U K	6.3V
C1211	303 409 3426	CERAMIC	0.1U K	16V
C1212	303 409 3426	CERAMIC	0.1U K	16V
C1213	303 409 3426	CERAMIC	0.1U K	16V
C1214	303 409 3426	CERAMIC	0.1U K	16V
C1216	303 409 3426	CERAMIC	0.1U K	16V
C1217	303 409 3426	CERAMIC	0.1U K	16V
C1218	303 409 3426	CERAMIC	0.1U K	16V
C1219	303 409 3426	CERAMIC	0.1U K	16V
C122	303 372 7510	CERAMIC	2.2U K	6.3V
C1221	303 409 3426	CERAMIC	0.1U K	16V
C1222	303 409 3426	CERAMIC	0.1U K	16V
C1223	303 409 3426	CERAMIC	0.1U K	16V
C1224	303 409 3426	CERAMIC	0.1U K	16V
C123	303 372 7510	CERAMIC	2.2U K	6.3V
C124	303 372 7510	CERAMIC	2.2U K	6.3V
C1250	303 409 3426	CERAMIC	0.1U K	16V
C1251	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C1252	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1253	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C1254	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1257	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1258	303 409 3426	CERAMIC	0.1U K	16V
C126	303 409 3426	CERAMIC	0.1U K	16V
C127	303 409 3426	CERAMIC	0.1U K	16V
C128	303 409 3426	CERAMIC	0.1U K	16V
C1281	303 409 3426	CERAMIC	0.1U K	16V
C1282	303 409 3426	CERAMIC	0.1U K	16V
C1283	303 409 3426	CERAMIC	0.1U K	16V
C129	303 409 3426	CERAMIC	0.1U K	16V
C1301	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1302	303 409 3426	CERAMIC	0.1U K	16V
C1303	303 409 3426	CERAMIC	0.1U K	16V
C1304	303 409 3426	CERAMIC	0.1U K	16V
C1305	303 409 3426	CERAMIC	0.1U K	16V
C1306	303 409 3426	CERAMIC	0.1U K	16V
C1307	303 409 3426	CERAMIC	0.1U K	16V
C1308	303 409 3426	CERAMIC	0.1U K	16V
C1309	303 409 3426	CERAMIC	0.1U K	16V
C131	303 409 3426	CERAMIC	0.1U K	16V
C1311	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1312	303 409 3426	CERAMIC	0.1U K	16V
C1313	303 409 3426	CERAMIC	0.1U K	16V
C1314	303 409 3426	CERAMIC	0.1U K	16V
C1315	303 409 3426	CERAMIC	0.1U K	16V
C1316	303 409 3426	CERAMIC	0.1U K	16V
C1317	303 409 3426	CERAMIC	0.1U K	16V
C1318	303 409 3426	CERAMIC	0.1U K	16V
C1319	303 409 3426	CERAMIC	0.1U K	16V
C132	303 409 3426	CERAMIC	0.1U K	16V
C1321	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1322	303 409 3426	CERAMIC	0.1U K	16V
C1323	303 409 3426	CERAMIC	0.1U K	16V
C1324	303 409 3426	CERAMIC	0.1U K	16V
C1325	303 409 3426	CERAMIC	0.1U K	16V
C1326	303 409 3426	CERAMIC	0.1U K	16V
C1327	303 409 3426	CERAMIC	0.1U K	16V
C1328	303 409 3426	CERAMIC	0.1U K	16V
C1329	303 409 3426	CERAMIC	0.1U K	16V
C133	303 409 3426	CERAMIC	0.1U K	16V
C1331	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1332	303 409 3426	CERAMIC	0.1U K	16V
C1333	303 409 3426	CERAMIC	0.1U K	16V
C1334	303 409 3426	CERAMIC	0.1U K	16V
C1335	303 409 3426	CERAMIC	0.1U K	16V
C1336	303 409 3426	CERAMIC	0.1U K	16V
C1337	303 409 3426	CERAMIC	0.1U K	16V
C1338	303 409 3426	CERAMIC	0.1U K	16V
C1339	303 409 3426	CERAMIC	0.1U K	16V
C134	303 441 9810	CERAMIC	0.01U K	50V
C1341	303 409 3426	CERAMIC	0.1U K	16V
C1342	303 409 3426	CERAMIC	0.1U K	16V
C1343	303 409 3426	CERAMIC	0.1U K	16V
C1344	303 409 3426	CERAMIC	0.1U K	16V
C1345	303 409 3426	CERAMIC	0.1U K	16V
C1346	303 409 3426	CERAMIC	0.1U K	16V
C1347	303 409 3426	CERAMIC	0.1U K	16V
C1349	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1351	303 409 3426	CERAMIC	0.1U K	16V
C1352	303 433 1112	CERAMIC	1U K	10V
C1353	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C1355	303 433 1112	CERAMIC	1U K	10V
C1356	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C1359	303 433 1112	CERAMIC	1U K	10V
C136	303 409 3426	CERAMIC	0.1U K	16V
C1369	303 409 3426	CERAMIC	0.1U K	16V
C137	303 409 3426	CERAMIC	0.1U K	16V
C1370	303 433 1112	CERAMIC	1U K	10V
C138	303 441 9810	CERAMIC	0.01U K	50V
C139	303 409 3426	CERAMIC	0.1U K	16V
C1401	303 433 1112	CERAMIC	1U K	10V
C141	303 305 8515	CERAMIC	15P J	50V
C1412	303 433 1112	CERAMIC	1U K	10V
C1413	303 433 1112	CERAMIC	1U K	10V
C142	303 381 5613	ELECT	220U M	16V
	303 423 8916	ELECT	220U M	16V
	403 458 4812	ELECT	220U M	16V
C1421	303 433 1112	CERAMIC	1U K	10V
C1422	303 433 1112	CERAMIC	1U K	10V
C1423	303 433 1112	CERAMIC	1U K	10V
C143	303 409 3426	CERAMIC	0.1U K	16V

Electrical Parts List

Key No.	Part No.	Description		
C1431	303 433 1112	CERAMIC	1U K	10V
C1432	303 433 1112	CERAMIC	1U K	10V
C1433	303 433 1112	CERAMIC	1U K	10V
C144	303 409 3426	CERAMIC	0.1U K	16V
C1451	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C1452	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1453	303 409 3426	CERAMIC	0.1U K	16V
C1454	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C1456	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1458	303 409 3426	CERAMIC	0.1U K	16V
C1459	303 409 3426	CERAMIC	0.1U K	16V
C146	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C1461	303 409 3426	CERAMIC	0.1U K	16V
C1462	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C1463	303 409 3426	CERAMIC	0.1U K	16V
C1464	303 409 3426	CERAMIC	0.1U K	16V
C1467	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C1469	303 409 3426	CERAMIC	0.1U K	16V
C147	303 409 3426	CERAMIC	0.1U K	16V
C1470	303 397 6611	ELECT	10U M	25V
	303 387 6812	ELECT	10U M	25V
C1471	303 409 3426	CERAMIC	0.1U K	16V
C1472	303 409 3426	CERAMIC	0.1U K	16V
C1474	303 409 3426	CERAMIC	0.1U K	16V
C1476	303 409 3426	CERAMIC	0.1U K	16V
C1477	303 409 3426	CERAMIC	0.1U K	16V
C1478	303 398 3916	ELECT	33U M	16V
C148	303 409 3426	CERAMIC	0.1U K	16V
C149	303 409 3426	CERAMIC	0.1U K	16V
C1501	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C1502	303 433 1112	CERAMIC	1U K	10V
C1503	303 396 9613	CERAMIC	1U K	25V
C1504	303 396 9613	CERAMIC	1U K	25V
C1505	303 433 1112	CERAMIC	1U K	10V
C1506	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C1507	303 396 9613	CERAMIC	1U K	25V
C1508	303 396 9613	CERAMIC	1U K	25V
C1509	303 396 9613	CERAMIC	1U K	25V
C151	303 409 3426	CERAMIC	0.1U K	16V
C1511	303 396 9613	CERAMIC	1U K	25V
C1512	403 456 4210	CERAMIC	470P J	50V
C1513	303 396 9613	CERAMIC	1U K	25V
C1514	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C1516	303 396 9613	CERAMIC	1U K	25V
C1517	303 396 9613	CERAMIC	1U K	25V
C1518	303 433 1112	CERAMIC	1U K	10V
C152	303 409 3426	CERAMIC	0.1U K	16V
C1521	303 396 9613	CERAMIC	1U K	25V
C1522	303 397 6611	ELECT	10U M	25V
	303 387 6812	ELECT	10U M	25V
C153	303 409 3426	CERAMIC	0.1U K	16V
C1531	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C1532	303 433 1112	CERAMIC	1U K	10V
C1533	303 396 9613	CERAMIC	1U K	25V
C1534	303 396 9613	CERAMIC	1U K	25V
C1535	303 433 1112	CERAMIC	1U K	10V
C1536	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C1537	303 396 9613	CERAMIC	1U K	25V
C1538	303 396 9613	CERAMIC	1U K	25V
C1539	303 396 9613	CERAMIC	1U K	25V
C154	303 409 3426	CERAMIC	0.1U K	16V
C1541	303 396 9613	CERAMIC	1U K	25V
C1542	403 456 4210	CERAMIC	470P J	50V
C1543	303 396 9613	CERAMIC	1U K	25V
C1544	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C1546	303 396 9613	CERAMIC	1U K	25V
C1547	303 396 9613	CERAMIC	1U K	25V
C1548	303 433 1112	CERAMIC	1U K	10V
C1551	303 396 9613	CERAMIC	1U K	25V
C1552	303 397 6611	ELECT	10U M	25V
	303 387 6812	ELECT	10U M	25V
C156	303 409 3426	CERAMIC	0.1U K	16V
C1561	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C1562	303 433 1112	CERAMIC	1U K	10V
C1563	303 396 9613	CERAMIC	1U K	25V
C1564	303 396 9613	CERAMIC	1U K	25V
C1565	303 433 1112	CERAMIC	1U K	10V
C1566	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C1567	303 396 9613	CERAMIC	1U K	25V
C1568	303 396 9613	CERAMIC	1U K	25V
C1569	303 396 9613	CERAMIC	1U K	25V
C157	303 372 7510	CERAMIC	2.2U K	6.3V
C1571	303 396 9613	CERAMIC	1U K	25V
C1572	403 456 4210	CERAMIC	470P J	50V
C1573	303 396 9613	CERAMIC	1U K	25V
C1574	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C1576	303 396 9613	CERAMIC	1U K	25V
C1577	303 396 9613	CERAMIC	1U K	25V
C1578	303 433 1112	CERAMIC	1U K	10V
C158	303 372 7510	CERAMIC	2.2U K	6.3V
C1581	303 396 9613	CERAMIC	1U K	25V
C1582	303 397 6611	ELECT	10U M	25V
	303 387 6812	ELECT	10U M	25V
C159	303 372 7510	CERAMIC	2.2U K	6.3V
C161	303 409 3426	CERAMIC	0.1U K	16V
C162	303 409 3426	CERAMIC	0.1U K	16V
C163	303 409 3426	CERAMIC	0.1U K	16V
C164	303 409 3426	CERAMIC	0.1U K	16V
C166	303 409 3426	CERAMIC	0.1U K	16V
C167	303 409 3426	CERAMIC	0.1U K	16V
C168	303 372 7510	CERAMIC	2.2U K	6.3V
C169	303 372 7510	CERAMIC	2.2U K	6.3V
C171	303 372 7510	CERAMIC	2.2U K	6.3V
C172	303 409 3426	CERAMIC	0.1U K	16V
C173	303 372 7510	CERAMIC	2.2U K	6.3V
C174	303 372 7510	CERAMIC	2.2U K	6.3V
C176	303 372 7510	CERAMIC	2.2U K	6.3V
C177	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C178	303 372 7510	CERAMIC	2.2U K	6.3V
C179	303 372 7510	CERAMIC	2.2U K	6.3V
C1801	303 358 3215	CERAMIC	10U K	6.3V

Electrical Parts List

Key No.	Part No.	Description		
	303 368 7319	CERAMIC	10U K	6.3V
C1802	303 409 3426	CERAMIC	0.1U K	16V
C1803	303 409 3426	CERAMIC	0.1U K	16V
C1804	303 409 3426	CERAMIC	0.1U K	16V
C1805	303 409 3426	CERAMIC	0.1U K	16V
C1806	303 409 3426	CERAMIC	0.1U K	16V
C1807	303 409 3426	CERAMIC	0.1U K	16V
C1808	303 409 3426	CERAMIC	0.1U K	16V
C1809	303 409 3426	CERAMIC	0.1U K	16V
C181	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C1811	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C1812	303 409 3426	CERAMIC	0.1U K	16V
C1813	303 409 3426	CERAMIC	0.1U K	16V
C1814	303 409 3426	CERAMIC	0.1U K	16V
C182	303 409 3426	CERAMIC	0.1U K	16V
C1831	303 409 3426	CERAMIC	0.1U K	16V
C1832	303 409 3426	CERAMIC	0.1U K	16V
C184	303 409 3426	CERAMIC	0.1U K	16V
C1841	303 409 3426	CERAMIC	0.1U K	16V
C1843	303 409 3426	CERAMIC	0.1U K	16V
C1851	303 409 3426	CERAMIC	0.1U K	16V
C1853	303 409 3426	CERAMIC	0.1U K	16V
C186	303 409 3426	CERAMIC	0.1U K	16V
C1871	303 409 3426	CERAMIC	0.1U K	16V
C1872	303 409 3426	CERAMIC	0.1U K	16V
C1873	303 409 3426	CERAMIC	0.1U K	16V
C1874	303 409 3426	CERAMIC	0.1U K	16V
C1879	303 409 3426	CERAMIC	0.1U K	16V
C188	303 409 3426	CERAMIC	0.1U K	16V
C1880	303 409 3426	CERAMIC	0.1U K	16V
C1881	303 336 3510	CERAMIC	0.47U K	16V
C1882	303 336 3510	CERAMIC	0.47U K	16V
C1883	303 409 3426	CERAMIC	0.1U K	16V
C1884	303 409 3426	CERAMIC	0.1U K	16V
C1885	303 409 3426	CERAMIC	0.1U K	16V
C1886	303 392 1215	ELECT	47U M	6.3V
	303 387 5310	ELECT	47U M	6.3V
C1887	303 409 3426	CERAMIC	0.1U K	16V
C189	303 409 3426	CERAMIC	0.1U K	16V
C1890	303 409 3426	CERAMIC	0.1U K	16V
C1891	303 392 1215	ELECT	47U M	6.3V
	303 387 5310	ELECT	47U M	6.3V
C1893	303 336 3510	CERAMIC	0.47U K	16V
C1894	303 336 3510	CERAMIC	0.47U K	16V
C1895	303 409 3426	CERAMIC	0.1U K	16V
C1896	303 409 3426	CERAMIC	0.1U K	16V
C1897	303 409 3426	CERAMIC	0.1U K	16V
C1898	303 409 3426	CERAMIC	0.1U K	16V
C191	303 372 7510	CERAMIC	2.2U K	6.3V
C192	303 409 3426	CERAMIC	0.1U K	16V
C193	303 409 3426	CERAMIC	0.1U K	16V
C194	303 409 3426	CERAMIC	0.1U K	16V
C198	303 409 3426	CERAMIC	0.1U K	16V
C199	303 409 3426	CERAMIC	0.1U K	16V
C201	303 409 3426	CERAMIC	0.1U K	16V
C211	303 409 3426	CERAMIC	0.1U K	16V
C219	303 409 3426	CERAMIC	0.1U K	16V
C221	303 409 3426	CERAMIC	0.1U K	16V
C231	303 409 3426	CERAMIC	0.1U K	16V
C232	303 433 1112	CERAMIC	1U K	10V
C233	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C234	303 409 3426	CERAMIC	0.1U K	16V
C237	303 409 3426	CERAMIC	0.1U K	16V
C241	303 409 3426	CERAMIC	0.1U K	16V
C242	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C243	303 409 3426	CERAMIC	0.1U K	16V
C244	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C245	303 409 3426	CERAMIC	0.1U K	16V
C2501	303 397 6611	ELECT	10U M	25V
	303 387 6812	ELECT	10U M	25V
C2502	303 367 0410	CERAMIC	0.1U K	50V
C251	303 409 3426	CERAMIC	0.1U K	16V
C252	303 433 1112	CERAMIC	1U K	10V
C2521	303 367 0410	CERAMIC	0.1U K	50V
C2522	303 396 9613	CERAMIC	1U K	25V
C2523	303 396 9613	CERAMIC	1U K	25V
C2524	303 396 9613	CERAMIC	1U K	25V
C2526	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C253	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C2531	303 397 6611	ELECT	10U M	25V
	303 387 6812	ELECT	10U M	25V
C2532	303 367 0410	CERAMIC	0.1U K	50V
C254	303 409 3426	CERAMIC	0.1U K	16V
C2561	303 397 6611	ELECT	10U M	25V
	303 387 6812	ELECT	10U M	25V
C2562	303 367 0410	CERAMIC	0.1U K	50V
C257	303 409 3426	CERAMIC	0.1U K	16V
C2581	303 367 0410	CERAMIC	0.1U K	50V
C2582	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C2583	303 367 0410	CERAMIC	0.1U K	50V
C2584	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C2586	303 367 0410	CERAMIC	0.1U K	50V
C2587	303 396 9613	CERAMIC	1U K	25V
C2588	303 396 9613	CERAMIC	1U K	25V
C2589	303 396 9613	CERAMIC	1U K	25V
C2591	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C2593	303 396 9613	CERAMIC	1U K	25V
C2594	303 367 0410	CERAMIC	0.1U K	50V
C2596	303 396 9613	CERAMIC	1U K	25V
C2597	303 396 9613	CERAMIC	1U K	25V
C2598	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C261	303 381 5613	ELECT	220U M	16V
	303 423 8916	ELECT	220U M	16V
	403 458 4812	ELECT	220U M	16V
C262	303 409 3426	CERAMIC	0.1U K	16V
C263	303 381 5613	ELECT	220U M	16V
	303 423 8916	ELECT	220U M	16V
	403 458 4812	ELECT	220U M	16V
C264	303 409 3426	CERAMIC	0.1U K	16V
C265	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C266	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C267	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C271	303 409 3426	CERAMIC	0.1U K	16V
C273	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C274	303 409 3426	CERAMIC	0.1U K	16V
C276	303 409 3426	CERAMIC	0.1U K	16V

Electrical Parts List

Key No.	Part No.	Description		
C281	303 409 3426	CERAMIC	0.1U K	16V
C2811	303 409 3426	CERAMIC	0.1U K	16V
C282	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C283	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C284	303 409 3426	CERAMIC	0.1U K	16V
C291	303 409 3426	CERAMIC	0.1U K	16V
C301	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C302	303 409 3426	CERAMIC	0.1U K	16V
C303	303 409 3426	CERAMIC	0.1U K	16V
C304	303 409 3426	CERAMIC	0.1U K	16V
C305	303 409 3426	CERAMIC	0.1U K	16V
C306	303 409 3426	CERAMIC	0.1U K	16V
C307	303 409 3426	CERAMIC	0.1U K	16V
C308	303 409 3426	CERAMIC	0.1U K	16V
C309	303 409 3426	CERAMIC	0.1U K	16V
C311	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C312	303 409 3426	CERAMIC	0.1U K	16V
C313	303 409 3426	CERAMIC	0.1U K	16V
C314	303 409 3426	CERAMIC	0.1U K	16V
C315	303 409 3426	CERAMIC	0.1U K	16V
C316	303 409 3426	CERAMIC	0.1U K	16V
C317	303 409 3426	CERAMIC	0.1U K	16V
C318	303 409 3426	CERAMIC	0.1U K	16V
C319	303 409 3426	CERAMIC	0.1U K	16V
C320	303 409 3426	CERAMIC	0.1U K	16V
C3201	303 409 3426	CERAMIC	0.1U K	16V
C3202	303 409 3426	CERAMIC	0.1U K	16V
C3203	303 409 3426	CERAMIC	0.1U K	16V
C3204	303 409 3426	CERAMIC	0.1U K	16V
C321	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C322	303 409 3426	CERAMIC	0.1U K	16V
C323	303 409 3426	CERAMIC	0.1U K	16V
C324	303 409 3426	CERAMIC	0.1U K	16V
C325	303 409 3426	CERAMIC	0.1U K	16V
C3251	303 409 3426	CERAMIC	0.1U K	16V
C326	303 409 3426	CERAMIC	0.1U K	16V
C327	303 409 3426	CERAMIC	0.1U K	16V
C328	303 409 3426	CERAMIC	0.1U K	16V
C3281	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C3282	303 433 1112	CERAMIC	1U K	10V
C3283	303 433 1112	CERAMIC	1U K	10V
C3284	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C3285	303 433 1112	CERAMIC	1U K	10V
C3287	303 433 1112	CERAMIC	1U K	10V
C329	303 409 3426	CERAMIC	0.1U K	16V
C330	303 441 9810	CERAMIC	0.01U K	50V
C331	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C332	303 409 3426	CERAMIC	0.1U K	16V
C333	303 409 3426	CERAMIC	0.1U K	16V
C334	303 409 3426	CERAMIC	0.1U K	16V
C335	303 409 3426	CERAMIC	0.1U K	16V
C336	303 409 3426	CERAMIC	0.1U K	16V
C337	303 409 3426	CERAMIC	0.1U K	16V
C338	303 409 3426	CERAMIC	0.1U K	16V
C339	303 409 3426	CERAMIC	0.1U K	16V
C340	303 441 9810	CERAMIC	0.01U K	50V
C3401	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C3402	303 409 3426	CERAMIC	0.1U K	16V
C3403	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C3404	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C3405	303 409 3426	CERAMIC	0.1U K	16V
C3406	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C3408	303 409 3426	CERAMIC	0.1U K	16V
C3409	303 409 3426	CERAMIC	0.1U K	16V
C341	303 445 0318	CERAMIC	8P G	50V
C3410	303 409 3426	CERAMIC	0.1U K	16V
C3411	303 409 3426	CERAMIC	0.1U K	16V
C3412	303 409 3426	CERAMIC	0.1U K	16V
C3413	303 409 3426	CERAMIC	0.1U K	16V
C3414	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C3416	303 409 3426	CERAMIC	0.1U K	16V
C3417	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C3418	303 409 3426	CERAMIC	0.1U K	16V
C342	303 445 0318	CERAMIC	8P G	50V
C3423	303 409 3426	CERAMIC	0.1U K	16V
C3424	303 409 3426	CERAMIC	0.1U K	16V
C3426	303 397 6314	ELECT	22U M	16V
	303 322 7515	ELECT	22U M	16V
C3427	303 397 6314	ELECT	22U M	16V
	303 322 7515	ELECT	22U M	16V
C343	303 433 1112	CERAMIC	1U K	10V
C344	303 409 3426	CERAMIC	0.1U K	16V
C345	303 409 3426	CERAMIC	0.1U K	16V
C3451	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C3453	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C3454	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C346	303 363 3514	CERAMIC	22U M	6.3V
C347	303 363 3514	CERAMIC	22U M	6.3V
C348	303 363 3514	CERAMIC	22U M	6.3V
C349	303 409 3426	CERAMIC	0.1U K	16V
C350	303 441 9810	CERAMIC	0.01U K	50V
C351	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C352	303 409 3426	CERAMIC	0.1U K	16V
C353	303 409 3426	CERAMIC	0.1U K	16V
C354	303 409 3426	CERAMIC	0.1U K	16V
C355	303 409 3426	CERAMIC	0.1U K	16V
C356	303 409 3426	CERAMIC	0.1U K	16V
C357	303 409 3426	CERAMIC	0.1U K	16V
C358	303 409 3426	CERAMIC	0.1U K	16V
C359	303 409 3426	CERAMIC	0.1U K	16V
C360	303 276 1317	CERAMIC	1000P K	50V
C361	303 409 3426	CERAMIC	0.1U K	16V
C362	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C363	303 409 3426	CERAMIC	0.1U K	16V
C364	303 409 3426	CERAMIC	0.1U K	16V
C365	303 433 1112	CERAMIC	1U K	10V
C366	303 409 3426	CERAMIC	0.1U K	16V
C367	303 409 3426	CERAMIC	0.1U K	16V
C368	303 433 1112	CERAMIC	1U K	10V
C369	303 433 1112	CERAMIC	1U K	10V
C404	303 433 1112	CERAMIC	1U K	10V
C406	303 433 1112	CERAMIC	1U K	10V
C407	303 433 1112	CERAMIC	1U K	10V
C408	303 433 1112	CERAMIC	1U K	10V
C409	303 433 1112	CERAMIC	1U K	10V

Electrical Parts List

Key No.	Part No.	Description		
C411	303 433 1112	CERAMIC	1U K	10V
C412	303 433 1112	CERAMIC	1U K	10V
C413	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C414	303 433 1112	CERAMIC	1U K	10V
C416	303 433 1112	CERAMIC	1U K	10V
C417	303 433 1112	CERAMIC	1U K	10V
C418	303 433 1112	CERAMIC	1U K	10V
C419	303 433 1112	CERAMIC	1U K	10V
C421	303 397 6611	ELECT	10U M	25V
	303 387 6812	ELECT	10U M	25V
C422	303 433 1112	CERAMIC	1U K	10V
C423	303 433 1112	CERAMIC	1U K	10V
C424	303 433 1112	CERAMIC	1U K	10V
C426	303 433 1112	CERAMIC	1U K	10V
C427	303 433 1112	CERAMIC	1U K	10V
C428	303 397 6611	ELECT	10U M	25V
	303 387 6812	ELECT	10U M	25V
C429	303 433 1112	CERAMIC	1U K	10V
C431	303 397 6611	ELECT	10U M	25V
	303 387 6812	ELECT	10U M	25V
C432	303 433 1112	CERAMIC	1U K	10V
C433	303 433 1112	CERAMIC	1U K	10V
C434	303 433 1112	CERAMIC	1U K	10V
C436	303 433 1112	CERAMIC	1U K	10V
C437	303 397 6611	ELECT	10U M	25V
	303 387 6812	ELECT	10U M	25V
C438	303 433 1112	CERAMIC	1U K	10V
C439	303 433 1112	CERAMIC	1U K	10V
C4401	303 433 1112	CERAMIC	1U K	10V
C4402	303 433 1112	CERAMIC	1U K	10V
C4403	303 433 1112	CERAMIC	1U K	10V
C4404	303 433 1112	CERAMIC	1U K	10V
C4405	303 433 1112	CERAMIC	1U K	10V
C4406	303 433 1112	CERAMIC	1U K	10V
C4407	303 433 1112	CERAMIC	1U K	10V
C4408	303 433 1112	CERAMIC	1U K	10V
C4409	303 433 1112	CERAMIC	1U K	10V
C441	303 433 1112	CERAMIC	1U K	10V
C4411	303 433 1112	CERAMIC	1U K	10V
C4412	303 433 1112	CERAMIC	1U K	10V
C4413	303 433 1112	CERAMIC	1U K	10V
C4414	303 433 1112	CERAMIC	1U K	10V
C4415	303 433 1112	CERAMIC	1U K	10V
C4416	303 433 1112	CERAMIC	1U K	10V
C4417	303 433 1112	CERAMIC	1U K	10V
C4419	303 433 1112	CERAMIC	1U K	10V
C442	303 433 1112	CERAMIC	1U K	10V
C4420	303 433 1112	CERAMIC	1U K	10V
C4421	303 433 1112	CERAMIC	1U K	10V
C4422	303 433 1112	CERAMIC	1U K	10V
C4423	303 433 1112	CERAMIC	1U K	10V
C4425	303 433 1112	CERAMIC	1U K	10V
C4427	303 433 1112	CERAMIC	1U K	10V
C4428	303 433 1112	CERAMIC	1U K	10V
C443	303 433 1112	CERAMIC	1U K	10V
C4431	303 433 1112	CERAMIC	1U K	10V
C4433	303 433 1112	CERAMIC	1U K	10V
C4434	303 433 1112	CERAMIC	1U K	10V
C4436	303 433 1112	CERAMIC	1U K	10V
C4437	303 433 1112	CERAMIC	1U K	10V
C4438	303 433 1112	CERAMIC	1U K	10V
C444	303 397 6611	ELECT	10U M	25V
	303 387 6812	ELECT	10U M	25V
C4441	303 433 1112	CERAMIC	1U K	10V
C4443	303 433 1112	CERAMIC	1U K	10V
C4444	303 433 1112	CERAMIC	1U K	10V
C4445	303 433 1112	CERAMIC	1U K	10V
C4446	303 433 1112	CERAMIC	1U K	10V
C4448	303 433 1112	CERAMIC	1U K	10V
C4449	303 433 1112	CERAMIC	1U K	10V
C4451	303 433 1112	CERAMIC	1U K	10V
C4453	303 433 1112	CERAMIC	1U K	10V
C4454	303 433 1112	CERAMIC	1U K	10V
C4455	303 433 1112	CERAMIC	1U K	10V
C4456	303 433 1112	CERAMIC	1U K	10V
C4457	303 433 1112	CERAMIC	1U K	10V
C4458	303 433 1112	CERAMIC	1U K	10V
C4459	303 433 1112	CERAMIC	1U K	10V
C446	303 433 1112	CERAMIC	1U K	10V
C4461	303 433 1112	CERAMIC	1U K	10V
C4462	303 433 1112	CERAMIC	1U K	10V
C4463	303 433 1112	CERAMIC	1U K	10V
C4464	303 433 1112	CERAMIC	1U K	10V
C4465	303 433 1112	CERAMIC	1U K	10V
C4466	303 433 1112	CERAMIC	1U K	10V
C4467	303 433 1112	CERAMIC	1U K	10V
C4468	303 433 1112	CERAMIC	1U K	10V
C4469	303 433 1112	CERAMIC	1U K	10V
C447	303 433 1112	CERAMIC	1U K	10V
C448	303 433 1112	CERAMIC	1U K	10V
C4482	303 433 1112	CERAMIC	1U K	10V
C4483	303 433 1112	CERAMIC	1U K	10V
C4484	303 433 1112	CERAMIC	1U K	10V
C4486	303 433 1112	CERAMIC	1U K	10V
C4487	303 433 1112	CERAMIC	1U K	10V
C449	303 397 6611	ELECT	10U M	25V
	303 387 6812	ELECT	10U M	25V
C4491	303 409 3426	CERAMIC	0.1U K	16V
C451	303 433 1112	CERAMIC	1U K	10V
C452	303 433 1112	CERAMIC	1U K	10V
C453	303 433 1112	CERAMIC	1U K	10V
C454	303 433 1112	CERAMIC	1U K	10V
C456	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C457	303 433 1112	CERAMIC	1U K	10V
C458	303 433 1112	CERAMIC	1U K	10V
C459	303 433 1112	CERAMIC	1U K	10V
C461	303 433 1112	CERAMIC	1U K	10V
C462	303 433 1112	CERAMIC	1U K	10V
C463	303 433 1112	CERAMIC	1U K	10V
C464	303 433 1112	CERAMIC	1U K	10V
C466	303 433 1112	CERAMIC	1U K	10V
C467	303 433 1112	CERAMIC	1U K	10V
C468	303 433 1112	CERAMIC	1U K	10V
C469	303 433 1112	CERAMIC	1U K	10V
C4701	303 409 3426	CERAMIC	0.1U K	16V
C4702	303 409 3426	CERAMIC	0.1U K	16V
C4703	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C4705	303 409 3426	CERAMIC	0.1U K	16V
C471	303 397 6611	ELECT	10U M	25V
	303 387 6812	ELECT	10U M	25V
C472	303 433 1112	CERAMIC	1U K	10V
C473	303 433 1112	CERAMIC	1U K	10V
C474	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C4751	303 409 3426	CERAMIC	0.1U K	16V
C4752	303 409 3426	CERAMIC	0.1U K	16V
C4753	303 409 3426	CERAMIC	0.1U K	16V
C476	303 433 1112	CERAMIC	1U K	10V
C477	303 433 1112	CERAMIC	1U K	10V
C478	303 433 1112	CERAMIC	1U K	10V
C479	303 397 6611	ELECT	10U M	25V

Electrical Parts List

Key No.	Part No.	Description		
	303 387 6812	ELECT	10U M	25V
C4801	303 409 3426	CERAMIC	0.1U K	16V
C4802	303 409 3426	CERAMIC	0.1U K	16V
C4803	303 409 3426	CERAMIC	0.1U K	16V
C4806	303 409 3426	CERAMIC	0.1U K	16V
C4807	303 409 3426	CERAMIC	0.1U K	16V
C4808	303 409 3426	CERAMIC	0.1U K	16V
C4809	303 409 3426	CERAMIC	0.1U K	16V
C4811	303 305 4715	CERAMIC	330P J	50V
C4812	303 409 3426	CERAMIC	0.1U K	16V
C4817	303 282 5118	CERAMIC	470P K	50V
C4821	303 409 3426	CERAMIC	0.1U K	16V
C4822	303 409 3426	CERAMIC	0.1U K	16V
C4823	303 409 3426	CERAMIC	0.1U K	16V
C4824	303 409 3426	CERAMIC	0.1U K	16V
C4826	303 409 3426	CERAMIC	0.1U K	16V
C4827	303 409 3426	CERAMIC	0.1U K	16V
C4828	303 409 3426	CERAMIC	0.1U K	16V
C501	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C502	303 433 1112	CERAMIC	1U K	10V
C503	303 396 9613	CERAMIC	1U K	25V
C504	303 396 9613	CERAMIC	1U K	25V
C505	303 433 1112	CERAMIC	1U K	10V
C506	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C507	303 396 9613	CERAMIC	1U K	25V
C508	303 396 9613	CERAMIC	1U K	25V
C509	303 396 9613	CERAMIC	1U K	25V
C511	303 396 9613	CERAMIC	1U K	25V
C512	403 456 4210	CERAMIC	470P J	50V
C513	303 396 9613	CERAMIC	1U K	25V
C514	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C516	303 396 9613	CERAMIC	1U K	25V
C517	303 396 9613	CERAMIC	1U K	25V
C518	303 433 1112	CERAMIC	1U K	10V
C531	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C532	303 433 1112	CERAMIC	1U K	10V
C533	303 396 9613	CERAMIC	1U K	25V
C534	303 396 9613	CERAMIC	1U K	25V
C535	303 433 1112	CERAMIC	1U K	10V
C536	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C537	303 396 9613	CERAMIC	1U K	25V
C538	303 396 9613	CERAMIC	1U K	25V
C539	303 396 9613	CERAMIC	1U K	25V
C541	303 396 9613	CERAMIC	1U K	25V
C542	403 456 4210	CERAMIC	470P J	50V
C543	303 396 9613	CERAMIC	1U K	25V
C544	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C546	303 396 9613	CERAMIC	1U K	25V
C547	303 396 9613	CERAMIC	1U K	25V
C548	303 433 1112	CERAMIC	1U K	10V
C5501	303 409 3426	CERAMIC	0.1U K	16V
C5502	303 441 9810	CERAMIC	0.01U K	50V
C5521	303 409 3426	CERAMIC	0.1U K	16V
C5522	303 441 9810	CERAMIC	0.01U K	50V
C5541	303 379 6714	CERAMIC	10U K	16V
C5542	303 397 6611	ELECT	10U M	25V
	303 387 6812	ELECT	10U M	25V
C5543	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C561	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C562	303 433 1112	CERAMIC	1U K	10V
C563	303 396 9613	CERAMIC	1U K	25V
C564	303 396 9613	CERAMIC	1U K	25V
C565	303 433 1112	CERAMIC	1U K	10V
C566	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C567	303 396 9613	CERAMIC	1U K	25V
C568	303 396 9613	CERAMIC	1U K	25V
C569	303 396 9613	CERAMIC	1U K	25V
C571	303 396 9613	CERAMIC	1U K	25V
C572	403 456 4210	CERAMIC	470P J	50V
C573	303 396 9613	CERAMIC	1U K	25V
C574	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C576	303 396 9613	CERAMIC	1U K	25V
C577	303 396 9613	CERAMIC	1U K	25V
C578	303 433 1112	CERAMIC	1U K	10V
C5801	303 409 3426	CERAMIC	0.1U K	16V
C5802	303 409 3426	CERAMIC	0.1U K	16V
C5803	303 409 3426	CERAMIC	0.1U K	16V
C5804	303 433 1112	CERAMIC	1U K	10V
C5811	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C5812	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C5851	303 409 3426	CERAMIC	0.1U K	16V
C5852	303 409 3426	CERAMIC	0.1U K	16V
C5853	303 409 3426	CERAMIC	0.1U K	16V
C5881	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C5883	303 409 3426	CERAMIC	0.1U K	16V
C5884	303 409 3426	CERAMIC	0.1U K	16V
C5886	303 409 3426	CERAMIC	0.1U K	16V
C5887	303 409 3426	CERAMIC	0.1U K	16V
C5891	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C592	303 367 0410	CERAMIC	0.1U K	50V
C594	303 367 0410	CERAMIC	0.1U K	50V
C596	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C597	303 367 0410	CERAMIC	0.1U K	50V
C598	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C599	303 367 0410	CERAMIC	0.1U K	50V
C6501	303 135 0710	CERAMIC	1U K	25V
C6502	303 441 9810	CERAMIC	0.01U K	50V
C6521	303 367 0410	CERAMIC	0.1U K	50V
C6522	303 441 9810	CERAMIC	0.01U K	50V
C6541	303 409 3426	CERAMIC	0.1U K	16V
C6630	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C6631	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C6632	303 379 6714	CERAMIC	10U K	16V
C6633	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V

Electrical Parts List

Key No.	Part No.	Description		
	303 444 0111	ELECT	100U M	25V
C6634	303 367 0410	CERAMIC	0.1U K	50V
C6652	303 379 6714	CERAMIC	10U K	16V
C6653	303 397 5911	ELECT	1000U M	10V
	403 458 4713	ELECT	1000U M	10V
C6654	303 379 6714	CERAMIC	10U K	16V
C6655	303 379 6714	CERAMIC	10U K	16V
C6656	303 397 5911	ELECT	1000U M	10V
	403 458 4713	ELECT	1000U M	10V
C6657	303 396 9613	CERAMIC	1U K	25V
C6658	303 433 1112	CERAMIC	1U K	10V
C6660	303 392 1215	ELECT	47U M	6.3V
	303 387 5310	ELECT	47U M	6.3V
C6661	303 409 3426	CERAMIC	0.1U K	16V
C6663	303 409 3426	CERAMIC	0.1U K	16V
C6666	303 265 3216	CERAMIC	1000P J	50V
C6667	303 305 4715	CERAMIC	330P J	50V
C6668	303 420 2115	EP-ELECT	820U M	4V
C6669	303 347 5510	POS-SOLID	470U M	4V
C6671	303 379 6714	CERAMIC	10U K	16V
C6681	303 376 6212	CERAMIC	0.22U K	10V
C6682	303 367 0410	CERAMIC	0.1U K	50V
C6684	303 155 2312	CERAMIC	4700P K	50V
C6686	303 367 0410	CERAMIC	0.1U K	50V
C6687	303 381 5613	ELECT	220U M	16V
	303 423 8916	ELECT	220U M	16V
	403 458 4812	ELECT	220U M	16V
C6688	303 381 5613	ELECT	220U M	16V
	303 423 8916	ELECT	220U M	16V
	403 458 4812	ELECT	220U M	16V
C6691	303 393 0019	ELECT	470U M	25V
	303 420 1415	ELECT	470U M	25V
	403 458 4614	ELECT	470U M	25V
C6692	303 393 0019	ELECT	470U M	25V
	303 420 1415	ELECT	470U M	25V
	403 458 4614	ELECT	470U M	25V
C6693	303 367 0410	CERAMIC	0.1U K	50V
C6694	303 409 3426	CERAMIC	0.1U K	16V
C6696	303 381 5613	ELECT	220U M	16V
	303 423 8916	ELECT	220U M	16V
	403 458 4812	ELECT	220U M	16V
C6697	303 381 5613	ELECT	220U M	16V
	303 423 8916	ELECT	220U M	16V
	403 458 4812	ELECT	220U M	16V
C6698	303 409 3426	CERAMIC	0.1U K	16V
C7701	303 372 7510	CERAMIC	2.2U K	6.3V
C7703	303 367 0410	CERAMIC	0.1U K	50V
C7704	303 367 0410	CERAMIC	0.1U K	50V
C7706	303 367 0410	CERAMIC	0.1U K	50V
C7707	303 381 5613	ELECT	220U M	16V
	303 423 8916	ELECT	220U M	16V
	403 458 4812	ELECT	220U M	16V
C7709	303 336 3510	CERAMIC	0.47U K	16V
C7711	303 433 1112	CERAMIC	1U K	10V
C7712	303 409 3426	CERAMIC	0.1U K	16V
C7713	303 381 9918	ELECT	470U M	16V
	303 407 3517	ELECT	470U M	16V
	403 458 5017	ELECT	470U M	16V
C7714	303 433 1112	CERAMIC	1U K	10V
C7716	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C7721	303 372 7510	CERAMIC	2.2U K	6.3V
C7723	303 367 0410	CERAMIC	0.1U K	50V
C7724	303 367 0410	CERAMIC	0.1U K	50V
C7726	303 367 0410	CERAMIC	0.1U K	50V
C7727	303 381 5613	ELECT	220U M	16V
	303 423 8916	ELECT	220U M	16V

Key No.	Part No.	Description		
	403 458 4812	ELECT	220U M	16V
C7729	303 336 3510	CERAMIC	0.47U K	16V
C7731	303 433 1112	CERAMIC	1U K	10V
C7732	303 409 3426	CERAMIC	0.1U K	16V
C7733	303 381 9918	ELECT	470U M	16V
	303 407 3517	ELECT	470U M	16V
	403 458 5017	ELECT	470U M	16V
C7734	303 433 1112	CERAMIC	1U K	10V
C7736	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C7741	303 372 7510	CERAMIC	2.2U K	6.3V
C7743	303 367 0410	CERAMIC	0.1U K	50V
C7744	303 155 2312	CERAMIC	4700P K	50V
C7746	303 367 0410	CERAMIC	0.1U K	50V
C7747	303 381 5613	ELECT	220U M	16V
	303 423 8916	ELECT	220U M	16V
	403 458 4812	ELECT	220U M	16V
C7749	303 336 3510	CERAMIC	0.47U K	16V
C7751	303 409 3426	CERAMIC	0.1U K	16V
C7752	303 409 3426	CERAMIC	0.1U K	16V
C7753	303 381 5613	ELECT	220U M	16V
	303 423 8916	ELECT	220U M	16V
	403 458 4812	ELECT	220U M	16V
C7754	303 409 3426	CERAMIC	0.1U K	16V
C7791	303 409 3426	CERAMIC	0.1U K	16V
C7798	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C7799	303 376 3112	ELECT	100U M	25V
	303 374 7815	ELECT	100UM	25V
	303 444 0111	ELECT	100U M	25V
C7801	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C7802	303 409 3426	CERAMIC	0.1U K	16V
C7803	303 409 3426	CERAMIC	0.1U K	16V
C7806	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C7807	303 409 3426	CERAMIC	0.1U K	16V
C7808	303 409 3426	CERAMIC	0.1U K	16V
C7809	303 409 3426	CERAMIC	0.1U K	16V
C7811	303 409 3426	CERAMIC	0.1U K	16V
C7812	303 409 3426	CERAMIC	0.1U K	16V
C7813	303 276 1317	CERAMIC	1000P K	50V
C7821	303 372 7510	CERAMIC	2.2U K	6.3V
C7823	303 367 0410	CERAMIC	0.1U K	50V
C7824	303 155 2312	CERAMIC	4700P K	50V
C7826	303 367 0410	CERAMIC	0.1U K	50V
C7827	303 381 5613	ELECT	220U M	16V
	303 423 8916	ELECT	220U M	16V
	403 458 4812	ELECT	220U M	16V
C7829	303 336 3510	CERAMIC	0.47U K	16V
C7831	303 409 3426	CERAMIC	0.1U K	16V
C7832	303 409 3426	CERAMIC	0.1U K	16V
C7833	303 381 5613	ELECT	220U M	16V
	303 423 8916	ELECT	220U M	16V
	403 458 4812	ELECT	220U M	16V
C7834	303 409 3426	CERAMIC	0.1U K	16V
C7841	303 372 7510	CERAMIC	2.2U K	6.3V
C7843	303 367 0410	CERAMIC	0.1U K	50V
C7844	303 155 2312	CERAMIC	4700P K	50V
C7846	303 367 0410	CERAMIC	0.1U K	50V
C7847	303 381 5613	ELECT	220U M	16V
	303 423 8916	ELECT	220U M	16V
	403 458 4812	ELECT	220U M	16V
C7849	303 336 3510	CERAMIC	0.47U K	16V
C7851	303 409 3426	CERAMIC	0.1U K	16V
C7852	303 409 3426	CERAMIC	0.1U K	16V

Electrical Parts List

Key No.	Part No.	Description		
C7853	303 381 5613	ELECT	220U M	16V
	303 423 8916	ELECT	220U M	16V
	403 458 4812	ELECT	220U M	16V
C7854	303 409 3426	CERAMIC	0.1U K	16V
C7861	303 372 7510	CERAMIC	2.2U K	6.3V
C7863	303 367 0410	CERAMIC	0.1U K	50V
C7864	303 155 2312	CERAMIC	4700P K	50V
C7866	303 367 0410	CERAMIC	0.1U K	50V
C7867	303 381 5613	ELECT	220U M	16V
	303 423 8916	ELECT	220U M	16V
	403 458 4812	ELECT	220U M	16V
C7869	303 336 3510	CERAMIC	0.47U K	16V
C7871	303 409 3426	CERAMIC	0.1U K	16V
C7872	303 409 3426	CERAMIC	0.1U K	16V
C7873	303 409 3426	CERAMIC	0.1U K	16V
C7874	303 409 3426	CERAMIC	0.1U K	16V
C7876	303 381 5613	ELECT	220U M	16V
	303 423 8916	ELECT	220U M	16V
	403 458 4812	ELECT	220U M	16V
C7877	303 381 5613	ELECT	220U M	16V
	303 423 8916	ELECT	220U M	16V
	403 458 4812	ELECT	220U M	16V
C801	303 409 3426	CERAMIC	0.1U K	16V
C802	303 409 3426	CERAMIC	0.1U K	16V
C803	303 401 3810	ELECT	10U M	25V
	303 424 1510	ELECT	10.0U M	25V
	403 458 8414	ELECT	10U M	25V
C804	303 409 3426	CERAMIC	0.1U K	16V
C8042	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C805	303 409 3426	CERAMIC	0.1U K	16V
C8051	303 409 3426	CERAMIC	0.1U K	16V
C8052	303 409 3426	CERAMIC	0.1U K	16V
C806	303 409 3426	CERAMIC	0.1U K	16V
C8061	303 409 3426	CERAMIC	0.1U K	16V
C8062	303 409 3426	CERAMIC	0.1U K	16V
C807	303 409 3426	CERAMIC	0.1U K	16V
C8071	303 409 3426	CERAMIC	0.1U K	16V
C8072	303 409 3426	CERAMIC	0.1U K	16V
C808	303 409 3426	CERAMIC	0.1U K	16V
C809	303 409 3426	CERAMIC	0.1U K	16V
C811	303 409 3426	CERAMIC	0.1U K	16V
C812	303 409 3426	CERAMIC	0.1U K	16V
C813	303 409 3426	CERAMIC	0.1U K	16V
C814	303 409 3426	CERAMIC	0.1U K	16V
C815	303 409 3426	CERAMIC	0.1U K	16V
C816	303 409 3426	CERAMIC	0.1U K	16V
C817	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C818	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C819	303 409 3426	CERAMIC	0.1U K	16V
C8201	303 433 1112	CERAMIC	1U K	10V
C8202	303 433 1112	CERAMIC	1U K	10V
C8203	303 409 3426	CERAMIC	0.1U K	16V
C8204	303 409 3426	CERAMIC	0.1U K	16V
C8206	303 409 3426	CERAMIC	0.1U K	16V
C8207	303 409 3426	CERAMIC	0.1U K	16V
C8208	303 409 3426	CERAMIC	0.1U K	16V
C8209	303 409 3426	CERAMIC	0.1U K	16V
C821	303 409 3426	CERAMIC	0.1U K	16V
C8211	303 442 0113	CERAMIC	0.082U K	16V
C8212	303 306 6510	CERAMIC	8200P K	50V
C8213	303 409 3426	CERAMIC	0.1U K	16V
C8214	303 409 3426	CERAMIC	0.1U K	16V
C8216	303 409 3426	CERAMIC	0.1U K	16V
C8217	303 409 3426	CERAMIC	0.1U K	16V
C8218	303 409 3426	CERAMIC	0.1U K	16V
C8219	303 409 3426	CERAMIC	0.1U K	16V
C822	303 409 3426	CERAMIC	0.1U K	16V
C8221	303 409 3426	CERAMIC	0.1U K	16V
C8222	303 409 3426	CERAMIC	0.1U K	16V
C8223	303 409 3426	CERAMIC	0.1U K	16V
C8224	303 409 3426	CERAMIC	0.1U K	16V
C8226	303 409 3426	CERAMIC	0.1U K	16V
C8227	303 409 3426	CERAMIC	0.1U K	16V
C8228	303 433 1112	CERAMIC	1U K	10V
C8229	303 433 1112	CERAMIC	1U K	10V
C823	303 409 3426	CERAMIC	0.1U K	16V
C8231	303 433 1112	CERAMIC	1U K	10V
C8232	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8233	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8234	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8236	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C8237	303 409 3426	CERAMIC	0.1U K	16V
C8238	303 409 3426	CERAMIC	0.1U K	16V
C8239	303 409 3426	CERAMIC	0.1U K	16V
C824	303 409 3426	CERAMIC	0.1U K	16V
C8241	303 409 3426	CERAMIC	0.1U K	16V
C8242	303 409 3426	CERAMIC	0.1U K	16V
C8243	303 409 3426	CERAMIC	0.1U K	16V
C8244	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C825	303 409 3426	CERAMIC	0.1U K	16V
C826	303 409 3426	CERAMIC	0.1U K	16V
C827	303 409 3426	CERAMIC	0.1U K	16V
C828	303 409 3426	CERAMIC	0.1U K	16V
C829	303 409 3426	CERAMIC	0.1U K	16V
C831	303 409 3426	CERAMIC	0.1U K	16V
C832	303 409 3426	CERAMIC	0.1U K	16V
C833	303 409 3426	CERAMIC	0.1U K	16V
C834	303 409 3426	CERAMIC	0.1U K	16V
C836	303 433 1112	CERAMIC	1U K	10V
C837	303 409 3426	CERAMIC	0.1U K	16V
C838	303 433 1112	CERAMIC	1U K	10V
C839	303 282 5118	CERAMIC	470P K	50V
C841	303 409 3426	CERAMIC	0.1U K	16V
C842	303 282 5118	CERAMIC	470P K	50V
C843	303 276 1317	CERAMIC	1000P K	50V
C844	303 409 3426	CERAMIC	0.1U K	16V
C846	303 409 3426	CERAMIC	0.1U K	16V
C847	303 409 3426	CERAMIC	0.1U K	16V
C848	303 433 1112	CERAMIC	1U K	10V
C9201	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C9202	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C9203	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C9204	303 409 3426	CERAMIC	0.1U K	16V
C9206	303 409 3426	CERAMIC	0.1U K	16V
C9207	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C9208	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C9209	303 409 3426	CERAMIC	0.1U K	16V
C9210	303 409 3426	CERAMIC	0.1U K	16V
C9211	303 409 3426	CERAMIC	0.1U K	16V
C9212	303 409 3426	CERAMIC	0.1U K	16V
C9213	303 409 3426	CERAMIC	0.1U K	16V

Electrical Parts List

Key No.	Part No.	Description		
C9214	303 409 3426	CERAMIC	0.1U K	16V
C9216	303 409 3426	CERAMIC	0.1U K	16V
C9217	303 409 3426	CERAMIC	0.1U K	16V
C9218	303 409 3426	CERAMIC	0.1U K	16V
C9219	303 409 3426	CERAMIC	0.1U K	16V
C9221	303 409 3426	CERAMIC	0.1U K	16V
C9222	303 409 3426	CERAMIC	0.1U K	16V
C9223	303 409 3426	CERAMIC	0.1U K	16V
C9224	303 409 3426	CERAMIC	0.1U K	16V
C9226	303 409 3426	CERAMIC	0.1U K	16V
C9227	303 409 3426	CERAMIC	0.1U K	16V
C9228	303 409 3426	CERAMIC	0.1U K	16V
C9229	303 409 3426	CERAMIC	0.1U K	16V
C9231	303 409 3426	CERAMIC	0.1U K	16V
C9232	303 409 3426	CERAMIC	0.1U K	16V
C9233	303 376 6311	CERAMIC	0.47U K	10V
C9234	303 376 6311	CERAMIC	0.47U K	10V
C9236	303 376 6311	CERAMIC	0.47U K	10V
C9237	303 376 6311	CERAMIC	0.47U K	10V
C9238	303 376 6311	CERAMIC	0.47U K	10V
C9239	303 376 6311	CERAMIC	0.47U K	10V
C9240	303 409 3426	CERAMIC	0.1U K	16V
C9241	303 376 6311	CERAMIC	0.47U K	10V
C9242	303 376 6311	CERAMIC	0.47U K	10V
C9243	303 376 6311	CERAMIC	0.47U K	10V
C9244	303 376 6311	CERAMIC	0.47U K	10V
C9246	303 376 6311	CERAMIC	0.47U K	10V
C9247	303 376 6311	CERAMIC	0.47U K	10V
C9248	303 376 6311	CERAMIC	0.47U K	10V
C9249	303 376 6311	CERAMIC	0.47U K	10V
C9251	303 376 6311	CERAMIC	0.47U K	10V
C9252	303 376 6311	CERAMIC	0.47U K	10V
C9253	303 376 6311	CERAMIC	0.47U K	10V
C9254	303 376 6311	CERAMIC	0.47U K	10V
C9256	303 376 6311	CERAMIC	0.47U K	10V
C9257	303 376 6311	CERAMIC	0.47U K	10V
C9258	303 376 6311	CERAMIC	0.47U K	10V
C9259	303 376 6311	CERAMIC	0.47U K	10V
C9261	303 376 6311	CERAMIC	0.47U K	10V
C9262	303 376 6311	CERAMIC	0.47U K	10V
C9263	303 376 6311	CERAMIC	0.47U K	10V
C9266	303 376 6311	CERAMIC	0.47U K	10V
C9267	303 376 6311	CERAMIC	0.47U K	10V
C9268	303 376 6311	CERAMIC	0.47U K	10V
C9269	303 376 6311	CERAMIC	0.47U K	10V
C9271	303 376 6311	CERAMIC	0.47U K	10V
C9272	303 376 6311	CERAMIC	0.47U K	10V
C9273	303 376 6311	CERAMIC	0.47U K	10V
C9274	303 376 6311	CERAMIC	0.47U K	10V
C9276	303 376 6311	CERAMIC	0.47U K	10V
C9277	303 376 6311	CERAMIC	0.47U K	10V
C9278	303 433 1112	CERAMIC	1U K	10V
C9279	303 409 3426	CERAMIC	0.1U K	16V
C9280	303 409 3426	CERAMIC	0.1U K	16V
C9281	303 409 3426	CERAMIC	0.1U K	16V
C9282	303 409 3426	CERAMIC	0.1U K	16V
C9283	303 409 3426	CERAMIC	0.1U K	16V
C9284	303 409 3426	CERAMIC	0.1U K	16V
C9286	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C9287	303 409 3426	CERAMIC	0.1U K	16V
C9288	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C9289	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C9290	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C9291	303 409 3426	CERAMIC	0.1U K	16V
C9292	303 409 3426	CERAMIC	0.1U K	16V
C9293	303 409 3426	CERAMIC	0.1U K	16V
C9294	303 409 3426	CERAMIC	0.1U K	16V
C9295	303 409 3426	CERAMIC	0.1U K	16V
C9296	303 409 3426	CERAMIC	0.1U K	16V
C9297	303 409 3426	CERAMIC	0.1U K	16V
C9298	303 409 3426	CERAMIC	0.1U K	16V
C9804	303 433 1112	CERAMIC	1U K	10V
C9811	303 409 3426	CERAMIC	0.1U K	16V
C9812	303 401 4916	ELECT	4.7U M	50V
	303 423 7513	ELECT	4.7UM	50V
	403 458 5116	ELECT	4.7U M	50V
C9821	303 409 3426	CERAMIC	0.1U K	16V
C9822	303 409 3426	CERAMIC	0.1U K	16V
C9823	303 409 3426	CERAMIC	0.1U K	16V
C9824	303 409 3426	CERAMIC	0.1U K	16V
C9827	303 276 1317	CERAMIC	1000P K	50V
C9828	303 409 3426	CERAMIC	0.1U K	16V
RESISTOR				
R101	301 224 9019	MT-GLAZE	10K JA	1/16W
R102	301 294 3016	MT-GLAZE	10K FA	1/16W
R103	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R104	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R107	301 225 0817	MT-GLAZE	68K JA	1/16W
R108	301 225 0817	MT-GLAZE	68K JA	1/16W
R109	301 225 0411	MT-GLAZE	330K JA	1/16W
R111	301 225 0411	MT-GLAZE	330K JA	1/16W
R112	301 225 0411	MT-GLAZE	330K JA	1/16W
R113	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R116	301 225 1418	MT-GLAZE	47K JA	1/16W
R117	301 225 1418	MT-GLAZE	47K JA	1/16W
R118	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R119	301 224 9613	MT-GLAZE	2.7K JA	1/16W
R120	301 225 1517	MT-GLAZE	3.9K JA	1/16W
R1201	301 225 8110	MT-GLAZE	10 JA	1/16W
R1202	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1203	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1204	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1207	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1209	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R121	301 225 1319	MT-GLAZE	470 JA	1/16W
R1212	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1213	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1214	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1216	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1219	301 225 8011	MT-GLAZE	330 JA	1/16W
R1221	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1222	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1227	301 272 7814	MT-GLAZE	100 FA	1/16W
R1228	301 272 7814	MT-GLAZE	100 FA	1/16W
R1229	301 272 7814	MT-GLAZE	100 FA	1/16W
R123	301 224 9316	MT-GLAZE	1K JA	1/16W
R1231	301 272 7814	MT-GLAZE	100 FA	1/16W
R1232	301 272 7814	MT-GLAZE	100 FA	1/16W
R1234	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1236	301 226 5415	MT-GLAZE	56 JA	1/16W
R1237	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1238	301 226 5415	MT-GLAZE	56 JA	1/16W
R1239	301 226 5415	MT-GLAZE	56 JA	1/16W
R1241	301 226 5415	MT-GLAZE	56 JA	1/16W
R1242	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1243	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1244	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1246	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1247	301 225 1210	MT-GLAZE	4.7K JA	1/16W

Electrical Parts List

Key No.	Part No.	Description		
R1251	301 224 9019	MT-GLAZE	10K JA	1/16W
R1254	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1256	301 224 9019	MT-GLAZE	10K JA	1/16W
R1257	301 263 6928	MT-GLAZE	2K JA	1/16W
R1258	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1259	301 224 9019	MT-GLAZE	10K JA	1/16W
R128	301 225 8110	MT-GLAZE	10 JA	1/16W
R1281	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1282	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R129	301 225 8110	MT-GLAZE	10 JA	1/16W
R1303	301 224 9316	MT-GLAZE	1K JA	1/16W
R1304	301 224 9316	MT-GLAZE	1K JA	1/16W
R1307	301 224 9019	MT-GLAZE	10K JA	1/16W
R1308	301 224 9019	MT-GLAZE	10K JA	1/16W
R1309	301 224 9019	MT-GLAZE	10K JA	1/16W
R131	301 225 8110	MT-GLAZE	10 JA	1/16W
R1310	301 224 8814	MT-GLAZE	100 JA	1/16W
R1311	301 224 9019	MT-GLAZE	10K JA	1/16W
R1312	301 225 8516	MT-GLAZE	1.8K JA	1/16W
R1313	301 224 9019	MT-GLAZE	10K JA	1/16W
R1316	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1320	301 224 8814	MT-GLAZE	100 JA	1/16W
R1333	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R1338	301 224 9316	MT-GLAZE	1K JA	1/16W
R1339	301 224 9019	MT-GLAZE	10K JA	1/16W
R1340	301 035 4111	MT-GLAZE	0.000 ZA	1/8W
R1343	301 301 0410	MT-GLAZE	240 FA	1/16W
R1344	301 302 5414	MT-GLAZE	220 FA	1/16W
R1345	301 294 3115	MT-GLAZE	1K FA	1/16W
R1346	301 294 2910	MT-GLAZE	560 FA	1/16W
R1347	301 294 2910	MT-GLAZE	560 FA	1/16W
R1348	301 294 3115	MT-GLAZE	1K FA	1/16W
R1349	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1350	301 035 4111	MT-GLAZE	0.000 ZA	1/8W
R1352	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1356	301 224 9712	MT-GLAZE	22 JA	1/16W
R1357	301 224 9712	MT-GLAZE	22 JA	1/16W
R1358	301 224 9712	MT-GLAZE	22 JA	1/16W
R1359	301 224 9712	MT-GLAZE	22 JA	1/16W
R136	301 224 9316	MT-GLAZE	1K JA	1/16W
R1361	301 224 9712	MT-GLAZE	22 JA	1/16W
R1362	301 224 9712	MT-GLAZE	22 JA	1/16W
R1363	301 224 9712	MT-GLAZE	22 JA	1/16W
R1364	301 224 9712	MT-GLAZE	22 JA	1/16W
R137	301 224 9316	MT-GLAZE	1K JA	1/16W
R1371	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1372	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1373	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1374	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1375	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1377	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1378	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1379	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R138	301 224 9316	MT-GLAZE	1K JA	1/16W
R1381	301 224 9712	MT-GLAZE	22 JA	1/16W
R1382	301 224 9712	MT-GLAZE	22 JA	1/16W
R1383	301 224 9712	MT-GLAZE	22 JA	1/16W
R1384	301 224 9712	MT-GLAZE	22 JA	1/16W
R1386	301 224 9712	MT-GLAZE	22 JA	1/16W
R1387	301 224 9712	MT-GLAZE	22 JA	1/16W
R1388	301 224 9712	MT-GLAZE	22 JA	1/16W
R1389	301 224 9712	MT-GLAZE	22 JA	1/16W
R1394	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1397	301 224 8913	MT-GLAZE	100K JA	1/16W
R1398	301 224 9019	MT-GLAZE	10K JA	1/16W
R1404	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1405	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1407	301 224 9019	MT-GLAZE	10K JA	1/16W
R1408	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1409	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R141	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1410	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1415	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1416	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1417	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1418	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R142	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1421	301 224 9712	MT-GLAZE	22 JA	1/16W
R1423	301 224 9712	MT-GLAZE	22 JA	1/16W
R1426	301 224 9712	MT-GLAZE	22 JA	1/16W
R1431	301 224 9712	MT-GLAZE	22 JA	1/16W
R1433	301 224 9712	MT-GLAZE	22 JA	1/16W
R1437	301 224 9712	MT-GLAZE	22 JA	1/16W
R1454	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1457	301 224 9019	MT-GLAZE	10K JA	1/16W
R1458	301 225 0114	MT-GLAZE	27K JA	1/16W
R1459	301 224 9019	MT-GLAZE	10K JA	1/16W
R1461	301 035 4111	MT-GLAZE	0.000 ZA	1/8W
R1464	301 035 4111	MT-GLAZE	0.000 ZA	1/8W
R1466	301 224 9019	MT-GLAZE	10K JA	1/16W
R1467	301 224 9019	MT-GLAZE	10K JA	1/16W
R1468	301 225 0114	MT-GLAZE	27K JA	1/16W
R147	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R148	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R149	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1502	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1503	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1504	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1507	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R151	301 225 8110	MT-GLAZE	10 JA	1/16W
R1510	301 225 8110	MT-GLAZE	10 JA	1/16W
R1512	301 224 9019	MT-GLAZE	10K JA	1/16W
R1514	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1515	301 224 9019	MT-GLAZE	10K JA	1/16W
R152	301 225 8110	MT-GLAZE	10 JA	1/16W
R153	301 224 9316	MT-GLAZE	1K JA	1/16W
R1532	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1533	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1534	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1536	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1539	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R154	301 224 9316	MT-GLAZE	1K JA	1/16W
R1540	301 225 8110	MT-GLAZE	10 JA	1/16W
R1542	301 224 9019	MT-GLAZE	10K JA	1/16W
R1544	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1545	301 224 9019	MT-GLAZE	10K JA	1/16W
R156	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1562	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1563	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1564	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1566	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1568	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R157	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1570	301 225 8110	MT-GLAZE	10 JA	1/16W
R1572	301 224 9019	MT-GLAZE	10K JA	1/16W
R1574	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1575	301 224 9019	MT-GLAZE	10K JA	1/16W
R1801	301 225 8110	MT-GLAZE	10 JA	1/16W
R1802	301 225 8110	MT-GLAZE	10 JA	1/16W
R1803	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1804	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R1806	301 224 9019	MT-GLAZE	10K JA	1/16W
R1808	301 224 9019	MT-GLAZE	10K JA	1/16W
R1811	301 224 9019	MT-GLAZE	10K JA	1/16W

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
R1813	301 224 9019	MT-GLAZE	10K JA	1/16W	R224	301 225 0312	MT-GLAZE	33 JA	1/16W
R1816	301 224 9019	MT-GLAZE	10K JA	1/16W	R231	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R1817	301 225 1210	MT-GLAZE	4.7K JA	1/16W	R232	301 224 9019	MT-GLAZE	10K JA	1/16W
R1818	301 224 9019	MT-GLAZE	10K JA	1/16W	R233	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R1820	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R241	301 263 7420	MT-GLAZE	75 JA	1/16W
R1821	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R242	301 263 7420	MT-GLAZE	75 JA	1/16W
R1822	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R243	301 263 7420	MT-GLAZE	75 JA	1/16W
R1823	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R245	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1824	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2501	301 225 8110	MT-GLAZE	10 JA	1/16W
R1825	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2502	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1826	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2503	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R1829	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2504	301 259 2115	MT-GLAZE	1 JA	1/16W
R1830	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2506	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1831	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2507	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R1832	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2508	301 259 2115	MT-GLAZE	1 JA	1/16W
R1833	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2509	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1835	301 225 1210	MT-GLAZE	4.7K JA	1/16W	R251	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R1836	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R252	301 224 9019	MT-GLAZE	10K JA	1/16W
R1838	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2522	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1839	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2523	301 224 8913	MT-GLAZE	100K JA	1/16W
R1840	301 224 9514	MT-GLAZE	2.2K JA	1/16W	R2524	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1841	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2526	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1842	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R253	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R1843	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2531	301 225 8110	MT-GLAZE	10 JA	1/16W
R1844	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2532	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1846	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2533	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R1847	301 224 9019	MT-GLAZE	10K JA	1/16W	R2534	301 259 2115	MT-GLAZE	1 JA	1/16W
R1848	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2536	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1851	301 224 8814	MT-GLAZE	100 JA	1/16W	R2537	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R1852	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2538	301 259 2115	MT-GLAZE	1 JA	1/16W
R1854	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2539	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1856	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2552	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1857	301 224 9316	MT-GLAZE	1K JA	1/16W	R2553	301 224 8913	MT-GLAZE	100K JA	1/16W
R1858	301 224 9514	MT-GLAZE	2.2K JA	1/16W	R2554	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1859	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2556	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1862	301 224 9019	MT-GLAZE	10K JA	1/16W	R2561	301 225 8110	MT-GLAZE	10 JA	1/16W
R1863	301 224 9019	MT-GLAZE	10K JA	1/16W	R2562	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1864	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2563	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R1866	301 224 8814	MT-GLAZE	100 JA	1/16W	R2564	301 259 2115	MT-GLAZE	1 JA	1/16W
R1870	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2566	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1871	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2567	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R1872	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2568	301 259 2115	MT-GLAZE	1 JA	1/16W
R1874	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2569	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1875	301 256 6215	MT-GLAZE	270 JA	1/10W	R2572	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1878	301 227 5612	MT-GLAZE	8.2K JA	1/16W	R2573	301 224 8913	MT-GLAZE	100K JA	1/16W
R1879	301 227 5612	MT-GLAZE	8.2K JA	1/16W	R2574	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1880	301 227 5612	MT-GLAZE	8.2K JA	1/16W	R2576	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1881	301 256 6215	MT-GLAZE	270 JA	1/10W	R271	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R1882	301 227 5612	MT-GLAZE	8.2K JA	1/16W	R272	301 224 9019	MT-GLAZE	10K JA	1/16W
R1885	301 224 9019	MT-GLAZE	10K JA	1/16W	R273	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R1886	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2802	301 224 9019	MT-GLAZE	10K JA	1/16W
R1887	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2808	301 225 8110	MT-GLAZE	10 JA	1/16W
R1889	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2809	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1890	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R281	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R1891	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2811	301 224 9316	MT-GLAZE	1K JA	1/16W
R1892	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2814	301 224 9019	MT-GLAZE	10K JA	1/16W
R1893	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2815	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R1894	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2816	301 224 8814	MT-GLAZE	100 JA	1/16W
R1897	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R2818	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R201	301 263 7420	MT-GLAZE	75 JA	1/16W	R2819	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R202	301 225 1319	MT-GLAZE	470 JA	1/16W	R282	301 224 9019	MT-GLAZE	10K JA	1/16W
R204	301 225 0312	MT-GLAZE	33 JA	1/16W	R2822	301 224 9316	MT-GLAZE	1K JA	1/16W
R211	301 263 7420	MT-GLAZE	75 JA	1/16W	R2823	301 224 9019	MT-GLAZE	10K JA	1/16W
R212	301 225 1319	MT-GLAZE	470 JA	1/16W	R2824	301 224 9019	MT-GLAZE	10K JA	1/16W
R214	301 225 0312	MT-GLAZE	33 JA	1/16W	R283	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R221	301 263 7420	MT-GLAZE	75 JA	1/16W	R291	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R222	301 225 1319	MT-GLAZE	470 JA	1/16W	R292	301 224 9019	MT-GLAZE	10K JA	1/16W

Electrical Parts List

Key No.	Part No.	Description		
R294	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R301	301 224 9712	MT-GLAZE	22 JA	1/16W
R302	301 224 9712	MT-GLAZE	22 JA	1/16W
R303	301 224 9712	MT-GLAZE	22 JA	1/16W
R304	301 224 9712	MT-GLAZE	22 JA	1/16W
R305	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R306	301 224 9712	MT-GLAZE	22 JA	1/16W
R307	301 224 9712	MT-GLAZE	22 JA	1/16W
R308	301 225 8110	MT-GLAZE	10 JA	1/16W
R309	301 035 4111	MT-GLAZE	0.000 ZA	1/8W
R312	301 224 9019	MT-GLAZE	10K JA	1/16W
R319	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3200	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3202	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3203	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3206	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3207	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3209	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R321	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R3211	301 224 9019	MT-GLAZE	10K JA	1/16W
R3213	301 224 9019	MT-GLAZE	10K JA	1/16W
R3214	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3216	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3218	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R322	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R3220	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3222	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3224	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R323	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R324	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R3250	301 224 9019	MT-GLAZE	10K JA	1/16W
R3251	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3252	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3253	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3254	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3256	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3257	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3258	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3259	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R326	301 224 9019	MT-GLAZE	10K JA	1/16W
R327	301 224 9019	MT-GLAZE	10K JA	1/16W
R3281	301 035 4111	MT-GLAZE	0.000 ZA	1/8W
R3283	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3284	301 035 4111	MT-GLAZE	0.000 ZA	1/8W
R329	301 224 9019	MT-GLAZE	10K JA	1/16W
R3291	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R332	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R334	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R336	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R338	301 225 8110	MT-GLAZE	10 JA	1/16W
R339	301 225 8110	MT-GLAZE	10 JA	1/16W
R3402	301 224 9019	MT-GLAZE	10K JA	1/16W
R3403	301 259 7922	MT-GLAZE	5.1K JA	1/16W
R3404	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R3405	301 037 5017	MT-GLAZE	0.000 ZA	1/10W
R3407	301 224 9019	MT-GLAZE	10K JA	1/16W
R3408	301 224 9019	MT-GLAZE	10K JA	1/16W
R3409	301 224 9019	MT-GLAZE	10K JA	1/16W
R341	301 225 8110	MT-GLAZE	10 JA	1/16W
R3413	301 224 9316	MT-GLAZE	1K JA	1/16W
R3416	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3417	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3418	301 224 9019	MT-GLAZE	10K JA	1/16W
R3419	301 224 9019	MT-GLAZE	10K JA	1/16W
R342	301 224 9019	MT-GLAZE	10K JA	1/16W
R3421	301 259 7922	MT-GLAZE	5.1K JA	1/16W
R3422	301 224 9019	MT-GLAZE	10K JA	1/16W
R3423	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3424	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R3425	301 224 9019	MT-GLAZE	10K JA	1/16W
R3426	301 224 9019	MT-GLAZE	10K JA	1/16W
R3429	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R343	301 225 8110	MT-GLAZE	10 JA	1/16W
R344	301 225 8110	MT-GLAZE	10 JA	1/16W
R345	301 225 8110	MT-GLAZE	10 JA	1/16W
R3451	301 224 9019	MT-GLAZE	10K JA	1/16W
R3452	301 224 9019	MT-GLAZE	10K JA	1/16W
R3453	301 263 6928	MT-GLAZE	2K JA	1/16W
R3454	301 224 9019	MT-GLAZE	10K JA	1/16W
R346	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R347	301 225 8110	MT-GLAZE	10 JA	1/16W
R348	301 225 8110	MT-GLAZE	10 JA	1/16W
R349	301 225 8110	MT-GLAZE	10 JA	1/16W
R350	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R351	301 225 8110	MT-GLAZE	10 JA	1/16W
R352	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R353	301 224 9019	MT-GLAZE	10K JA	1/16W
R354	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R355	301 224 9019	MT-GLAZE	10K JA	1/16W
R357	301 225 8110	MT-GLAZE	10 JA	1/16W
R358	301 225 8110	MT-GLAZE	10 JA	1/16W
R359	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R360	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R361	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R362	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R363	301 224 9019	MT-GLAZE	10K JA	1/16W
R364	301 224 9415	MT-GLAZE	1M JA	1/16W
R365	301 225 8516	MT-GLAZE	1.8K JA	1/16W
R366	301 225 8516	MT-GLAZE	1.8K JA	1/16W
R368	301 224 9712	MT-GLAZE	22 JA	1/16W
R369	301 224 9712	MT-GLAZE	22 JA	1/16W
R372	301 224 9019	MT-GLAZE	10K JA	1/16W
R374	301 224 9019	MT-GLAZE	10K JA	1/16W
R375	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R387	301 224 9019	MT-GLAZE	10K JA	1/16W
R388	301 224 9019	MT-GLAZE	10K JA	1/16W
R389	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R391	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R392	301 225 8110	MT-GLAZE	10 JA	1/16W
R393	301 225 8110	MT-GLAZE	10 JA	1/16W
R394	301 225 8110	MT-GLAZE	10 JA	1/16W
R395	301 225 8110	MT-GLAZE	10 JA	1/16W
R396	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R397	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R398	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R401	301 224 9712	MT-GLAZE	22 JA	1/16W
R402	301 224 9712	MT-GLAZE	22 JA	1/16W
R403	301 224 9712	MT-GLAZE	22 JA	1/16W
R404	301 224 9712	MT-GLAZE	22 JA	1/16W
R406	301 224 9712	MT-GLAZE	22 JA	1/16W
R407	301 224 9712	MT-GLAZE	22 JA	1/16W
R408	301 224 9712	MT-GLAZE	22 JA	1/16W
R411	301 224 9712	MT-GLAZE	22 JA	1/16W
R412	301 224 9712	MT-GLAZE	22 JA	1/16W
R413	301 224 9712	MT-GLAZE	22 JA	1/16W
R414	301 224 9712	MT-GLAZE	22 JA	1/16W
R415	301 224 9712	MT-GLAZE	22 JA	1/16W
R416	301 224 9712	MT-GLAZE	22 JA	1/16W
R417	301 224 9712	MT-GLAZE	22 JA	1/16W
R418	301 224 9712	MT-GLAZE	22 JA	1/16W
R419	301 224 9712	MT-GLAZE	22 JA	1/16W
R420	301 224 9712	MT-GLAZE	22 JA	1/16W
R421	301 224 9712	MT-GLAZE	22 JA	1/16W
R422	301 224 9712	MT-GLAZE	22 JA	1/16W

Electrical Parts List

Key No.	Part No.	Description			Key No.	Part No.	Description		
R423	301 224 9712	MT-GLAZE	22 JA	1/16W	R4454	301 224 9019	MT-GLAZE	10K JA	1/16W
R424	301 224 9712	MT-GLAZE	22 JA	1/16W	R4455	301 224 9019	MT-GLAZE	10K JA	1/16W
R425	301 224 9712	MT-GLAZE	22 JA	1/16W	R4456	301 224 9019	MT-GLAZE	10K JA	1/16W
R426	301 224 9712	MT-GLAZE	22 JA	1/16W	R4457	301 224 9019	MT-GLAZE	10K JA	1/16W
R427	301 224 9712	MT-GLAZE	22 JA	1/16W	R4458	301 224 9019	MT-GLAZE	10K JA	1/16W
R428	301 224 9712	MT-GLAZE	22 JA	1/16W	R4459	301 224 9019	MT-GLAZE	10K JA	1/16W
R431	301 224 9712	MT-GLAZE	22 JA	1/16W	R446	301 224 9712	MT-GLAZE	22 JA	1/16W
R432	301 224 9712	MT-GLAZE	22 JA	1/16W	R4460	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R433	301 224 9712	MT-GLAZE	22 JA	1/16W	R4461	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R434	301 224 9712	MT-GLAZE	22 JA	1/16W	R4462	301 224 9019	MT-GLAZE	10K JA	1/16W
R435	301 224 9712	MT-GLAZE	22 JA	1/16W	R4463	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R436	301 224 9712	MT-GLAZE	22 JA	1/16W	R4464	301 224 9019	MT-GLAZE	10K JA	1/16W
R437	301 224 9712	MT-GLAZE	22 JA	1/16W	R4465	301 224 9019	MT-GLAZE	10K JA	1/16W
R438	301 224 9712	MT-GLAZE	22 JA	1/16W	R4466	301 224 9019	MT-GLAZE	10K JA	1/16W
R439	301 224 9712	MT-GLAZE	22 JA	1/16W	R4467	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4402	301 224 9316	MT-GLAZE	1K JA	1/16W	R4468	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4403	301 224 9316	MT-GLAZE	1K JA	1/16W	R4469	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4404	301 224 9316	MT-GLAZE	1K JA	1/16W	R447	301 224 9712	MT-GLAZE	22 JA	1/16W
R4407	301 225 8110	MT-GLAZE	10 JA	1/16W	R4470	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4408	301 225 8110	MT-GLAZE	10 JA	1/16W	R4471	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4409	301 225 8110	MT-GLAZE	10 JA	1/16W	R448	301 224 9019	MT-GLAZE	10K JA	1/16W
R441	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R4480	301 224 9712	MT-GLAZE	22 JA	1/16W
R4410	301 225 8110	MT-GLAZE	10 JA	1/16W	R4488	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4411	301 224 9019	MT-GLAZE	10K JA	1/16W	R4489	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4412	301 224 9019	MT-GLAZE	10K JA	1/16W	R449	301 224 9019	MT-GLAZE	10K JA	1/16W
R4413	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R4490	301 224 9712	MT-GLAZE	22 JA	1/16W
R4414	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R4491	301 224 9019	MT-GLAZE	10K JA	1/16W
R4415	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R4492	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4416	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R4494	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4417	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R451	301 224 9019	MT-GLAZE	10K JA	1/16W
R4418	301 224 9019	MT-GLAZE	10K JA	1/16W	R452	301 224 9712	MT-GLAZE	22 JA	1/16W
R4419	301 224 9019	MT-GLAZE	10K JA	1/16W	R453	301 224 9712	MT-GLAZE	22 JA	1/16W
R442	301 224 9712	MT-GLAZE	22 JA	1/16W	R454	301 263 6928	MT-GLAZE	2K JA	1/16W
R4420	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R456	301 263 6928	MT-GLAZE	2K JA	1/16W
R4421	301 224 9019	MT-GLAZE	10K JA	1/16W	R457	301 263 6928	MT-GLAZE	2K JA	1/16W
R4422	301 224 9019	MT-GLAZE	10K JA	1/16W	R458	301 263 6928	MT-GLAZE	2K JA	1/16W
R4423	301 224 9019	MT-GLAZE	10K JA	1/16W	R459	301 263 6928	MT-GLAZE	2K JA	1/16W
R4424	301 224 9019	MT-GLAZE	10K JA	1/16W	R466	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4425	301 224 9019	MT-GLAZE	10K JA	1/16W	R467	301 263 6928	MT-GLAZE	2K JA	1/16W
R4426	301 224 9019	MT-GLAZE	10K JA	1/16W	R468	301 263 6928	MT-GLAZE	2K JA	1/16W
R4427	301 224 9019	MT-GLAZE	10K JA	1/16W	R469	301 263 6928	MT-GLAZE	2K JA	1/16W
R4428	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R470	301 263 6928	MT-GLAZE	2K JA	1/16W
R4429	301 224 9019	MT-GLAZE	10K JA	1/16W	R4701	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4430	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R4702	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4431	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R4703	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4432	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R4704	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4433	301 224 9019	MT-GLAZE	10K JA	1/16W	R4705	301 224 9019	MT-GLAZE	10K JA	1/16W
R4434	301 224 9019	MT-GLAZE	10K JA	1/16W	R4706	301 224 9019	MT-GLAZE	10K JA	1/16W
R4435	301 224 9019	MT-GLAZE	10K JA	1/16W	R4707	301 224 9019	MT-GLAZE	10K JA	1/16W
R4436	301 224 9019	MT-GLAZE	10K JA	1/16W	R471	301 263 6928	MT-GLAZE	2K JA	1/16W
R4437	301 224 9019	MT-GLAZE	10K JA	1/16W	R4714	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4439	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R4716	301 224 9019	MT-GLAZE	10K JA	1/16W
R444	301 224 9712	MT-GLAZE	22 JA	1/16W	R4717	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4440	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R4718	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4441	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R4719	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4442	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R472	301 263 6928	MT-GLAZE	2K JA	1/16W
R4443	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R4721	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4444	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R4722	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4445	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R4723	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4446	301 224 9019	MT-GLAZE	10K JA	1/16W	R4724	301 224 9019	MT-GLAZE	10K JA	1/16W
R4447	301 224 9019	MT-GLAZE	10K JA	1/16W	R473	301 263 6928	MT-GLAZE	2K JA	1/16W
R4448	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R4731	301 224 9019	MT-GLAZE	10K JA	1/16W
R4449	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R4732	301 224 9019	MT-GLAZE	10K JA	1/16W
R445	301 224 9712	MT-GLAZE	22 JA	1/16W	R4734	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4450	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R4736	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4451	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R4737	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4452	301 226 1516	MT-GLAZE	0.000 ZA	1/16W	R4738	301 226 1516	MT-GLAZE	0.000 ZA	1/16W

Electrical Parts List

Key No.	Part No.	Description		
R474	301 263 6928	MT-GLAZE	2K JA	1/16W
R475	301 263 6928	MT-GLAZE	2K JA	1/16W
R4751	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4755	301 224 9019	MT-GLAZE	10K JA	1/16W
R4756	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4758	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4759	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R476	301 263 6928	MT-GLAZE	2K JA	1/16W
R477	301 263 6928	MT-GLAZE	2K JA	1/16W
R478	301 263 6928	MT-GLAZE	2K JA	1/16W
R479	301 263 6928	MT-GLAZE	2K JA	1/16W
R4801	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4803	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4804	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4806	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4807	301 225 8110	MT-GLAZE	10 JA	1/16W
R4808	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R4809	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R481	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4810	301 224 8814	MT-GLAZE	100 JA	1/16W
R4812	301 224 8814	MT-GLAZE	100 JA	1/16W
R4813	301 224 8814	MT-GLAZE	100 JA	1/16W
R4814	301 224 9019	MT-GLAZE	10K JA	1/16W
R4816	301 224 9019	MT-GLAZE	10K JA	1/16W
R482	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4820	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4822	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4823	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4824	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4827	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4828	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4829	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R483	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4830	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4831	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4834	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4836	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4837	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4838	301 224 8814	MT-GLAZE	100 JA	1/16W
R4839	301 224 8814	MT-GLAZE	100 JA	1/16W
R484	301 263 6928	MT-GLAZE	2K JA	1/16W
R4840	301 224 9019	MT-GLAZE	10K JA	1/16W
R4841	301 224 9019	MT-GLAZE	10K JA	1/16W
R4842	301 224 9019	MT-GLAZE	10K JA	1/16W
R4844	301 224 9019	MT-GLAZE	10K JA	1/16W
R4845	301 224 9019	MT-GLAZE	10K JA	1/16W
R4846	301 224 9019	MT-GLAZE	10K JA	1/16W
R4847	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4848	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4849	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4850	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4851	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4852	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4853	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4854	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4855	301 224 9019	MT-GLAZE	10K JA	1/16W
R4856	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4857	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4858	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4859	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R486	301 263 6928	MT-GLAZE	2K JA	1/16W
R4860	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4861	301 224 9019	MT-GLAZE	10K JA	1/16W
R4862	301 224 9019	MT-GLAZE	10K JA	1/16W
R4863	301 224 9019	MT-GLAZE	10K JA	1/16W
R4864	301 225 8110	MT-GLAZE	10 JA	1/16W
R4865	301 225 8110	MT-GLAZE	10 JA	1/16W
R4866	301 225 8110	MT-GLAZE	10 JA	1/16W
R4867	301 224 9019	MT-GLAZE	10K JA	1/16W
R4868	301 301 3817	MT-GLAZE	820 FA	1/16W
R4869	301 224 9019	MT-GLAZE	10K JA	1/16W
R487	301 263 6928	MT-GLAZE	2K JA	1/16W
R4870	301 224 9019	MT-GLAZE	10K JA	1/16W
R4871	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R4873	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R4876	301 224 9019	MT-GLAZE	10K JA	1/16W
R4877	301 224 9019	MT-GLAZE	10K JA	1/16W
R488	301 263 6928	MT-GLAZE	2K JA	1/16W
R4881	301 224 9019	MT-GLAZE	10K JA	1/16W
R489	301 263 6928	MT-GLAZE	2K JA	1/16W
R4891	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R4893	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R4896	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R4897	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R4898	301 224 9019	MT-GLAZE	10K JA	1/16W
R4899	301 224 9019	MT-GLAZE	10K JA	1/16W
R490	301 263 6928	MT-GLAZE	2K JA	1/16W
R491	301 263 6928	MT-GLAZE	2K JA	1/16W
R492	301 263 6928	MT-GLAZE	2K JA	1/16W
R493	301 263 6928	MT-GLAZE	2K JA	1/16W
R494	301 263 6928	MT-GLAZE	2K JA	1/16W
R495	301 263 6928	MT-GLAZE	2K JA	1/16W
R496	301 263 6928	MT-GLAZE	2K JA	1/16W
R497	301 263 6928	MT-GLAZE	2K JA	1/16W
R498	301 263 6928	MT-GLAZE	2K JA	1/16W
R499	301 263 6928	MT-GLAZE	2K JA	1/16W
R501	301 225 8110	MT-GLAZE	10 JA	1/16W
R502	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R503	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R504	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R505	301 224 9316	MT-GLAZE	1K JA	1/16W
R507	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R509	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R510	301 225 8110	MT-GLAZE	10 JA	1/16W
R511	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R512	301 224 9019	MT-GLAZE	10K JA	1/16W
R514	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R531	301 225 8110	MT-GLAZE	10 JA	1/16W
R532	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R533	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R534	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R535	301 224 9316	MT-GLAZE	1K JA	1/16W
R538	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R540	301 225 8110	MT-GLAZE	10 JA	1/16W
R541	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R542	301 224 9019	MT-GLAZE	10K JA	1/16W
R544	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5501	301 190 1710	MT-GLAZE	0.000 ZA	1W
R5502	301 224 9316	MT-GLAZE	1K JA	1/16W
R5503	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R5504	301 224 9316	MT-GLAZE	1K JA	1/16W
R5506	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R5507	301 036 9917	MT-GLAZE	560 JA	1/8W
R5509	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5511	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5512	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5521	301 190 1710	MT-GLAZE	0.000 ZA	1W
R5522	301 224 9316	MT-GLAZE	1K JA	1/16W
R5523	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R5524	301 224 9316	MT-GLAZE	1K JA	1/16W
R5526	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R5527	301 036 9917	MT-GLAZE	560 JA	1/8W
R5529	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5531	301 226 1516	MT-GLAZE	0.000 ZA	1/16W

Electrical Parts List

Key No.	Part No.	Description		
R5532	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5541	301 224 9019	MT-GLAZE	10K JA	1/16W
R5542	301 224 9019	MT-GLAZE	10K JA	1/16W
R5543	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R561	301 225 8110	MT-GLAZE	10 JA	1/16W
R562	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R563	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R564	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R565	301 224 9316	MT-GLAZE	1K JA	1/16W
R566	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R570	301 225 8110	MT-GLAZE	10 JA	1/16W
R571	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R572	301 224 9019	MT-GLAZE	10K JA	1/16W
R574	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5805	645 092 3616	IMPEDANCE,22 OHM P		
R5806	645 092 3616	IMPEDANCE,22 OHM P		
R5807	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5808	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5809	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5810	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5811	301 299 4919	MT-GLAZE	470 FA	1/16W
R5812	301 226 5415	MT-GLAZE	56 JA	1/16W
R5813	301 294 3115	MT-GLAZE	1K FA	1/16W
R5814	301 225 8110	MT-GLAZE	10 JA	1/16W
R5815	301 224 9019	MT-GLAZE	10K JA	1/16W
R5816	301 224 9019	MT-GLAZE	10K JA	1/16W
R5817	301 224 9019	MT-GLAZE	10K JA	1/16W
R5818	301 224 9019	MT-GLAZE	10K JA	1/16W
R5819	301 224 9217	MT-GLAZE	15K JA	1/16W
R5820	301 224 9019	MT-GLAZE	10K JA	1/16W
R5821	301 224 9019	MT-GLAZE	10K JA	1/16W
R5822	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R5823	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5824	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5825	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5826	301 224 9019	MT-GLAZE	10K JA	1/16W
R5827	301 224 9019	MT-GLAZE	10K JA	1/16W
R5828	301 224 9019	MT-GLAZE	10K JA	1/16W
R5829	301 224 9019	MT-GLAZE	10K JA	1/16W
R583	301 035 4111	MT-GLAZE	0.000 ZA	1/8W
R5830	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5831	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R5832	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5833	301 224 9019	MT-GLAZE	10K JA	1/16W
R5834	301 224 9217	MT-GLAZE	15K JA	1/16W
R5835	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5836	301 224 9019	MT-GLAZE	10K JA	1/16W
R5837	301 224 9019	MT-GLAZE	10K JA	1/16W
R5838	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R5839	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5840	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5841	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5842	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5843	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5844	301 224 9019	MT-GLAZE	10K JA	1/16W
R5845	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5846	301 224 9019	MT-GLAZE	10K JA	1/16W
R5847	301 224 8814	MT-GLAZE	100 JA	1/16W
R5848	301 224 9910	MT-GLAZE	22K JA	1/16W
R5849	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5850	301 284 3514	MT-GLAZE	360 JA	1/16W
R5851	301 284 3514	MT-GLAZE	360 JA	1/16W
R5852	301 225 1319	MT-GLAZE	470 JA	1/16W
R5853	301 284 3514	MT-GLAZE	360 JA	1/16W
R5854	301 224 8814	MT-GLAZE	100 JA	1/16W
R5855	301 224 9910	MT-GLAZE	22K JA	1/16W
R5856	301 224 9316	MT-GLAZE	1K JA	1/16W
R586	301 035 4111	MT-GLAZE	0.000 ZA	1/8W
R5860	301 225 1319	MT-GLAZE	470 JA	1/16W
R5861	301 225 2019	MT-GLAZE	680 JA	1/16W
R5863	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R5864	301 225 0619	MT-GLAZE	5.6K JA	1/16W
R5865	301 224 8814	MT-GLAZE	100 JA	1/16W
R5867	301 224 9019	MT-GLAZE	10K JA	1/16W
R5869	301 224 9910	MT-GLAZE	22K JA	1/16W
R5871	301 224 9019	MT-GLAZE	10K JA	1/16W
R5872	301 224 9217	MT-GLAZE	15K JA	1/16W
R5873	301 224 9019	MT-GLAZE	10K JA	1/16W
R5874	301 224 9019	MT-GLAZE	10K JA	1/16W
R5876	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R5877	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5878	301 224 9019	MT-GLAZE	10K JA	1/16W
R5879	301 224 9019	MT-GLAZE	10K JA	1/16W
R5881	301 224 9019	MT-GLAZE	10K JA	1/16W
R5882	301 224 9019	MT-GLAZE	10K JA	1/16W
R5883	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R5884	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5886	301 224 9019	MT-GLAZE	10K JA	1/16W
R5887	301 224 9217	MT-GLAZE	15K JA	1/16W
R5888	301 224 9019	MT-GLAZE	10K JA	1/16W
R5889	301 224 9019	MT-GLAZE	10K JA	1/16W
R5891	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R5892	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R5893	301 224 8814	MT-GLAZE	100 JA	1/16W
R5894	301 224 9910	MT-GLAZE	22K JA	1/16W
R5895	301 284 3514	MT-GLAZE	360 JA	1/16W
R5896	301 284 3514	MT-GLAZE	360 JA	1/16W
R5897	301 224 9316	MT-GLAZE	1K JA	1/16W
R5898	301 284 3514	MT-GLAZE	360 JA	1/16W
R5899	301 224 9019	MT-GLAZE	10K JA	1/16W
R591	301 235 0012	MT-GLAZE	7.5K JA	1/16W
R592	301 224 9514	MT-GLAZE	2.2K JA	1/16W
R593	301 263 6928	MT-GLAZE	2K JA	1/16W
R594	301 224 8814	MT-GLAZE	100 JA	1/16W
R595	301 224 9019	MT-GLAZE	10K JA	1/16W
R596	301 235 0012	MT-GLAZE	7.5K JA	1/16W
R597	301 224 9514	MT-GLAZE	2.2K JA	1/16W
R598	301 263 6928	MT-GLAZE	2K JA	1/16W
R599	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6501	301 102 7410	MT-GLAZE	10 JA	1W
R6502	301 102 7410	MT-GLAZE	10 JA	1W
R6503	301 224 9316	MT-GLAZE	1K JA	1/16W
R6504	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R6506	301 224 9316	MT-GLAZE	1K JA	1/16W
R6507	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R6508	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6509	301 224 9316	MT-GLAZE	1K JA	1/16W
R6511	301 036 9917	MT-GLAZE	560 JA	1/8W
R6512	301 224 9019	MT-GLAZE	10K JA	1/16W
R6521	301 102 7410	MT-GLAZE	10 JA	1W
R6522	301 102 7410	MT-GLAZE	10 JA	1W
R6523	301 224 9316	MT-GLAZE	1K JA	1/16W
R6524	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R6526	301 224 9316	MT-GLAZE	1K JA	1/16W
R6527	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R6528	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R6529	301 224 9316	MT-GLAZE	1K JA	1/16W
R6531	301 036 9917	MT-GLAZE	560 JA	1/8W
R6625	301 237 2915	MT-GLAZE	51 JA	1/16W
R6630	301 224 8913	MT-GLAZE	100K JA	1/16W
R6635	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R6640	301 301 7211	MT-GLAZE	3.6K JA	1/16W
R6645	301 284 3613	MT-GLAZE	16K JA	1/16W
R6651	301 150 6212	MT-GLAZE	1K JA	1/10W

Electrical Parts List

Key No.	Part No.	Description		
R6652	301 238 4215	MT-GLAZE	1.5K JA	1/3W
R6653	301 255 9712	MT-GLAZE	82K JA	1/10W
R6654	301 225 0114	MT-GLAZE	27K JA	1/16W
R6655	301 276 0415	MT-GLAZE	10M JA	1/16W
R6656	301 224 9019	MT-GLAZE	10K JA	1/16W
R6657	301 225 0114	MT-GLAZE	27K JA	1/16W
R6658	301 225 0114	MT-GLAZE	27K JA	1/16W
R6659	301 224 9019	MT-GLAZE	10K JA	1/16W
R6660	301 276 3010	MT-GLAZE	75K JA	1/16W
R6661	301 035 4111	MT-GLAZE	0.000 ZA	1/8W
R6662	301 035 4111	MT-GLAZE	0.000 ZA	1/8W
R6663	945 059 2240	INDUCTOR,2.2U M		
R6665	301 224 9019	MT-GLAZE	10K JA	1/16W
R6676	301 190 1710	MT-GLAZE	0.000 ZA	1W
R6677	301 225 7618	MT-GLAZE	1 JA	1W
R6683	301 224 9613	MT-GLAZE	2.7K JA	1/16W
R6685	301 224 9019	MT-GLAZE	10K JA	1/16W
R6686	301 224 8913	MT-GLAZE	100K JA	1/16W
R6687	301 224 9019	MT-GLAZE	10K JA	1/16W
R6688	301 224 8913	MT-GLAZE	100K JA	1/16W
R6689	301 259 7823	MT-GLAZE	20K JA	1/16W
R6690	301 256 5317	MT-GLAZE	56K JA	1/10W
R6691	301 224 9019	MT-GLAZE	10K JA	1/16W
R6692	301 224 9019	MT-GLAZE	10K JA	1/16W
R6693	301 225 0114	MT-GLAZE	27K JA	1/16W
R6694	301 224 9019	MT-GLAZE	10K JA	1/16W
R6695	301 225 1418	MT-GLAZE	47K JA	1/16W
R6696	301 224 9514	MT-GLAZE	2.2K JA	1/16W
R6698	301 259 7823	MT-GLAZE	20K JA	1/16W
R7701	301 276 0415	MT-GLAZE	10M JA	1/16W
R7702	301 237 2915	MT-GLAZE	51 JA	1/16W
R7703	301 225 0114	MT-GLAZE	27K JA	1/16W
R7704	301 224 9019	MT-GLAZE	10K JA	1/16W
R7705	301 224 9019	MT-GLAZE	10K JA	1/16W
R7706	301 225 0114	MT-GLAZE	27K JA	1/16W
R7707	301 224 9514	MT-GLAZE	2.2K JA	1/16W
R7708	301 234 9917	MT-GLAZE	6.8K JA	1/16W
R7711	301 224 9019	MT-GLAZE	10K JA	1/16W
R7712	301 224 9019	MT-GLAZE	10K JA	1/16W
R7713	301 224 9316	MT-GLAZE	1K JA	1/16W
R7714	301 234 9917	MT-GLAZE	6.8K JA	1/16W
R7717	301 224 9019	MT-GLAZE	10K JA	1/16W
R7718	301 224 9316	MT-GLAZE	1K JA	1/16W
R7721	301 276 0415	MT-GLAZE	10M JA	1/16W
R7722	301 237 2915	MT-GLAZE	51 JA	1/16W
R7723	301 225 0114	MT-GLAZE	27K JA	1/16W
R7724	301 224 9019	MT-GLAZE	10K JA	1/16W
R7725	301 224 9019	MT-GLAZE	10K JA	1/16W
R7726	301 225 0114	MT-GLAZE	27K JA	1/16W
R7727	301 224 9514	MT-GLAZE	2.2K JA	1/16W
R7728	301 234 9917	MT-GLAZE	6.8K JA	1/16W
R7731	301 224 9019	MT-GLAZE	10K JA	1/16W
R7732	301 224 9019	MT-GLAZE	10K JA	1/16W
R7733	301 224 9316	MT-GLAZE	1K JA	1/16W
R7734	301 234 9917	MT-GLAZE	6.8K JA	1/16W
R7737	301 224 9019	MT-GLAZE	10K JA	1/16W
R7738	301 224 9316	MT-GLAZE	1K JA	1/16W
R7741	301 276 0415	MT-GLAZE	10M JA	1/16W
R7742	301 237 2915	MT-GLAZE	51 JA	1/16W
R7743	301 225 0114	MT-GLAZE	27K JA	1/16W
R7744	301 224 8913	MT-GLAZE	100K JA	1/16W
R7745	301 224 9019	MT-GLAZE	10K JA	1/16W
R7746	301 225 0114	MT-GLAZE	27K JA	1/16W
R7747	301 224 9514	MT-GLAZE	2.2K JA	1/16W
R7748	301 234 9917	MT-GLAZE	6.8K JA	1/16W
R7751	301 224 9019	MT-GLAZE	10K JA	1/16W
R7752	301 224 9019	MT-GLAZE	10K JA	1/16W
R7753	301 224 9316	MT-GLAZE	1K JA	1/16W
R7754	301 234 9917	MT-GLAZE	6.8K JA	1/16W
R7757	301 224 9019	MT-GLAZE	10K JA	1/16W
R7758	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7781	301 234 9917	MT-GLAZE	6.8K JA	1/16W
R7782	301 224 9019	MT-GLAZE	10K JA	1/16W
R7783	301 225 0114	MT-GLAZE	27K JA	1/16W
R7784	301 224 9316	MT-GLAZE	1K JA	1/16W
R7785	301 225 0114	MT-GLAZE	27K JA	1/16W
R7786	301 224 9316	MT-GLAZE	1K JA	1/16W
R7787	301 225 0114	MT-GLAZE	27K JA	1/16W
R7788	301 224 9019	MT-GLAZE	10K JA	1/16W
R7789	301 225 0114	MT-GLAZE	27K JA	1/16W
R7791	301 224 9019	MT-GLAZE	10K JA	1/16W
R7801	301 225 8110	MT-GLAZE	10 JA	1/16W
R7802	301 225 8110	MT-GLAZE	10 JA	1/16W
R7803	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7804	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7806	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7807	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7808	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7809	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7810	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7814	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7816	301 224 8814	MT-GLAZE	100 JA	1/16W
R7817	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7818	301 225 8615	MT-GLAZE	560K JA	1/16W
R7819	301 224 9811	MT-GLAZE	220K JA	1/16W
R7821	301 276 0415	MT-GLAZE	10M JA	1/16W
R7822	301 237 2915	MT-GLAZE	51 JA	1/16W
R7823	301 225 0114	MT-GLAZE	27K JA	1/16W
R7824	301 224 8913	MT-GLAZE	100K JA	1/16W
R7825	301 224 9019	MT-GLAZE	10K JA	1/16W
R7826	301 225 0114	MT-GLAZE	27K JA	1/16W
R7827	301 224 9514	MT-GLAZE	2.2K JA	1/16W
R7831	301 234 9917	MT-GLAZE	6.8K JA	1/16W
R7833	301 224 9019	MT-GLAZE	10K JA	1/16W
R7834	301 234 9917	MT-GLAZE	6.8K JA	1/16W
R7835	301 224 9019	MT-GLAZE	10K JA	1/16W
R7836	301 224 9316	MT-GLAZE	1K JA	1/16W
R7837	301 224 9019	MT-GLAZE	10K JA	1/16W
R7838	301 224 9316	MT-GLAZE	1K JA	1/16W
R7841	301 276 0415	MT-GLAZE	10M JA	1/16W
R7842	301 237 2915	MT-GLAZE	51 JA	1/16W
R7843	301 225 0114	MT-GLAZE	27K JA	1/16W
R7844	301 224 8913	MT-GLAZE	100K JA	1/16W
R7845	301 224 9019	MT-GLAZE	10K JA	1/16W
R7846	301 225 0114	MT-GLAZE	27K JA	1/16W
R7847	301 224 9514	MT-GLAZE	2.2K JA	1/16W
R7851	301 234 9917	MT-GLAZE	6.8K JA	1/16W
R7853	301 224 9019	MT-GLAZE	10K JA	1/16W
R7854	301 234 9917	MT-GLAZE	6.8K JA	1/16W
R7855	301 224 9019	MT-GLAZE	10K JA	1/16W
R7856	301 224 9316	MT-GLAZE	1K JA	1/16W
R7857	301 224 9019	MT-GLAZE	10K JA	1/16W
R7858	301 224 9316	MT-GLAZE	1K JA	1/16W
R7861	301 224 9019	MT-GLAZE	10K JA	1/16W
R7862	301 225 0114	MT-GLAZE	27K JA	1/16W
R7863	301 234 9917	MT-GLAZE	6.8K JA	1/16W
R7864	301 224 9316	MT-GLAZE	1K JA	1/16W
R7865	301 225 0114	MT-GLAZE	27K JA	1/16W
R7866	301 276 0415	MT-GLAZE	10M JA	1/16W
R7867	301 225 0114	MT-GLAZE	27K JA	1/16W
R7868	301 237 2915	MT-GLAZE	51 JA	1/16W
R7869	301 224 8913	MT-GLAZE	100K JA	1/16W
R7871	301 225 0114	MT-GLAZE	27K JA	1/16W
R7872	301 224 9514	MT-GLAZE	2.2K JA	1/16W

Electrical Parts List

Key No.	Part No.	Description		
R7873	301 224 9019	MT-GLAZE	10K JA	1/16W
R7874	301 234 9917	MT-GLAZE	6.8K JA	1/16W
R7876	301 224 9019	MT-GLAZE	10K JA	1/16W
R7877	301 234 9917	MT-GLAZE	6.8K JA	1/16W
R7878	301 224 9316	MT-GLAZE	1K JA	1/16W
R7879	301 224 9019	MT-GLAZE	10K JA	1/16W
R7881	301 224 9019	MT-GLAZE	10K JA	1/16W
R7884	301 224 9019	MT-GLAZE	10K JA	1/16W
R7890	301 225 0114	MT-GLAZE	27K JA	1/16W
R7896	301 224 9019	MT-GLAZE	10K JA	1/16W
R7897	301 225 0114	MT-GLAZE	27K JA	1/16W
R7898	301 234 9917	MT-GLAZE	6.8K JA	1/16W
R7899	301 224 9316	MT-GLAZE	1K JA	1/16W
R7901	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7902	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7903	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7904	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7906	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7907	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7908	645 092 3616	IMPEDANCE,22 OHM P		
R7909	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7911	645 092 3616	IMPEDANCE,22 OHM P		
R7912	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7913	645 092 3616	IMPEDANCE,22 OHM P		
R7914	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R7916	645 092 3616	IMPEDANCE,22 OHM P		
R7917	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R801	301 225 0817	MT-GLAZE	68K JA	1/16W
R802	301 224 9019	MT-GLAZE	10K JA	1/16W
R804	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8041	301 225 8110	MT-GLAZE	10 JA	1/16W
R8042	301 225 8110	MT-GLAZE	10 JA	1/16W
R8043	301 224 9019	MT-GLAZE	10K JA	1/16W
R8044	301 224 9019	MT-GLAZE	10K JA	1/16W
R8051	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8052	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8056	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8057	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8058	301 224 9019	MT-GLAZE	10K JA	1/16W
R8059	301 224 9019	MT-GLAZE	10K JA	1/16W
R806	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8061	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8062	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8063	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8064	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8066	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8067	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8068	301 224 9019	MT-GLAZE	10K JA	1/16W
R8069	301 224 9019	MT-GLAZE	10K JA	1/16W
R807	301 224 9019	MT-GLAZE	10K JA	1/16W
R8071	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8072	301 224 9019	MT-GLAZE	10K JA	1/16W
R8073	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8074	301 224 9019	MT-GLAZE	10K JA	1/16W
R8075	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8076	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8077	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8078	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R8079	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R808	301 224 9019	MT-GLAZE	10K JA	1/16W
R8081	301 224 9019	MT-GLAZE	10K JA	1/16W
R809	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R810	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R811	301 224 9019	MT-GLAZE	10K JA	1/16W
R812	301 224 8814	MT-GLAZE	100 JA	1/16W
R813	301 224 9019	MT-GLAZE	10K JA	1/16W
R814	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R815	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R816	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R817	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R818	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R819	301 035 4111	MT-GLAZE	0.000 ZA	1/8W
R820	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R8201	301 225 0312	MT-GLAZE	33 JA	1/16W
R8202	301 299 4919	MT-GLAZE	470 FA	1/16W
R8203	301 225 8813	MT-GLAZE	39 JA	1/16W
R8204	301 299 4810	MT-GLAZE	2.7K FA	1/16W
R8206	301 225 8110	MT-GLAZE	10 JA	1/16W
R8207	301 225 8110	MT-GLAZE	10 JA	1/16W
R8208	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R8209	301 225 8110	MT-GLAZE	10 JA	1/16W
R821	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8211	301 225 8110	MT-GLAZE	10 JA	1/16W
R8212	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R8213	301 225 8110	MT-GLAZE	10 JA	1/16W
R8214	301 225 8110	MT-GLAZE	10 JA	1/16W
R8216	301 225 8110	MT-GLAZE	10 JA	1/16W
R8217	301 225 8110	MT-GLAZE	10 JA	1/16W
R8218	301 225 8110	MT-GLAZE	10 JA	1/16W
R8219	301 225 8110	MT-GLAZE	10 JA	1/16W
R822	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8221	301 225 8110	MT-GLAZE	10 JA	1/16W
R8222	301 224 8814	MT-GLAZE	100 JA	1/16W
R8223	301 224 8814	MT-GLAZE	100 JA	1/16W
R8224	301 225 8110	MT-GLAZE	10 JA	1/16W
R8226	301 224 8814	MT-GLAZE	100 JA	1/16W
R823	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8231	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R8232	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R824	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R825	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R826	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R827	301 224 9019	MT-GLAZE	10K JA	1/16W
R828	301 224 9019	MT-GLAZE	10K JA	1/16W
R830	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R833	301 224 9019	MT-GLAZE	10K JA	1/16W
R834	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R835	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R838	301 224 9910	MT-GLAZE	22K JA	1/16W
R840	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R844	301 225 1210	MT-GLAZE	4.7K JA	1/16W
R849	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R850	301 225 8110	MT-GLAZE	10 JA	1/16W
R851	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R854	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R855	301 225 8110	MT-GLAZE	10 JA	1/16W
R856	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R858	301 224 9019	MT-GLAZE	10K JA	1/16W
R860	301 225 8110	MT-GLAZE	10 JA	1/16W
R861	301 225 8110	MT-GLAZE	10 JA	1/16W
R862	301 224 8814	MT-GLAZE	100 JA	1/16W
R863	301 224 8814	MT-GLAZE	100 JA	1/16W
R865	301 224 9019	MT-GLAZE	10K JA	1/16W
R866	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R867	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R868	301 224 9019	MT-GLAZE	10K JA	1/16W
R869	301 224 9019	MT-GLAZE	10K JA	1/16W
R871	301 224 9019	MT-GLAZE	10K JA	1/16W
R872	301 224 9019	MT-GLAZE	10K JA	1/16W
R874	301 225 8011	MT-GLAZE	330 JA	1/16W
R875	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R877	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R878	301 224 8814	MT-GLAZE	100 JA	1/16W
R880	301 224 9019	MT-GLAZE	10K JA	1/16W

Electrical Parts List

Key No.	Part No.	Description		
R883	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R884	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R885	301 224 8814	MT-GLAZE	100 JA	1/16W
R886	301 224 8814	MT-GLAZE	100 JA	1/16W
R887	301 224 8814	MT-GLAZE	100 JA	1/16W
R888	301 224 9019	MT-GLAZE	10K JA	1/16W
R890	301 224 9019	MT-GLAZE	10K JA	1/16W
R891	301 224 9019	MT-GLAZE	10K JA	1/16W
R892	301 224 9019	MT-GLAZE	10K JA	1/16W
R893	301 263 6928	MT-GLAZE	2K JA	1/16W
R894	301 225 8110	MT-GLAZE	10 JA	1/16W
R896	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R897	301 224 8913	MT-GLAZE	100K JA	1/16W
R898	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R899	301 224 9019	MT-GLAZE	10K JA	1/16W
R900	301 224 9019	MT-GLAZE	10K JA	1/16W
R901	301 224 9019	MT-GLAZE	10K JA	1/16W
R902	301 224 9019	MT-GLAZE	10K JA	1/16W
R903	301 224 9019	MT-GLAZE	10K JA	1/16W
R904	301 224 9019	MT-GLAZE	10K JA	1/16W
R906	301 224 9019	MT-GLAZE	10K JA	1/16W
R9201	301 265 0419	MT-GLAZE	39K FA	1/10W
R9202	301 265 3113	MT-GLAZE	5.6K FA	1/10W
R9203	301 229 3913	MT-GLAZE	180 JA	1/16W
R9204	301 237 2915	MT-GLAZE	51 JA	1/16W
R9206	301 265 4417	MT-GLAZE	6.8K FA	1/10W
R9207	301 265 4318	MT-GLAZE	680 FA	1/10W
R9211	301 294 3115	MT-GLAZE	1K FA	1/16W
R9212	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R9214	301 294 3115	MT-GLAZE	1K FA	1/16W
R9216	301 294 3115	MT-GLAZE	1K FA	1/16W
R9221	301 225 0312	MT-GLAZE	33 JA	1/16W
R9222	301 225 0312	MT-GLAZE	33 JA	1/16W
R9223	301 225 0312	MT-GLAZE	33 JA	1/16W
R9224	301 225 0312	MT-GLAZE	33 JA	1/16W
R9226	301 225 0312	MT-GLAZE	33 JA	1/16W
R9227	301 225 0312	MT-GLAZE	33 JA	1/16W
R9228	301 225 0312	MT-GLAZE	33 JA	1/16W
R9229	301 225 0312	MT-GLAZE	33 JA	1/16W
R9231	301 225 0312	MT-GLAZE	33 JA	1/16W
R9241	301 225 0312	MT-GLAZE	33 JA	1/16W
R9242	301 225 0312	MT-GLAZE	33 JA	1/16W
R9243	301 225 0312	MT-GLAZE	33 JA	1/16W
R9244	301 225 0312	MT-GLAZE	33 JA	1/16W
R9246	301 225 0312	MT-GLAZE	33 JA	1/16W
R9247	301 225 0312	MT-GLAZE	33 JA	1/16W
R9248	301 225 0312	MT-GLAZE	33 JA	1/16W
R9249	301 294 2613	MT-GLAZE	4.7K FA	1/16W
R9251	301 302 5414	MT-GLAZE	220 FA	1/16W
R9252	301 294 2613	MT-GLAZE	4.7K FA	1/16W
R9255	301 224 9613	MT-GLAZE	2.7K JA	1/16W
R9256	301 225 0312	MT-GLAZE	33 JA	1/16W
R9258	301 224 9118	MT-GLAZE	150 JA	1/16W
R9259	301 225 8011	MT-GLAZE	330 JA	1/16W
R9261	301 301 3510	MT-GLAZE	200 JA	1/16W
R9262	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R9263	301 224 9316	MT-GLAZE	1K JA	1/16W
R9264	301 263 6928	MT-GLAZE	2K JA	1/16W
R9266	301 224 9019	MT-GLAZE	10K JA	1/16W
R9269	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R9271	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R9272	301 224 9316	MT-GLAZE	1K JA	1/16W
R9273	301 225 8110	MT-GLAZE	10 JA	1/16W
R9557	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R9813	301 225 8615	MT-GLAZE	560K JA	1/16W
R9814	301 224 9415	MT-GLAZE	1M JA	1/16W
R9816	301 225 3818	MT-GLAZE	1.5K JA	1/16W
R9817	301 225 1111	MT-GLAZE	27 JA	1/16W
R9818	301 225 1111	MT-GLAZE	27 JA	1/16W
R9821	301 224 8913	MT-GLAZE	100K JA	1/16W
R9822	301 224 8913	MT-GLAZE	100K JA	1/16W
R9824	301 224 9019	MT-GLAZE	10K JA	1/16W
R9825	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R9829	301 224 9019	MT-GLAZE	10K JA	1/16W
R9835	301 224 9019	MT-GLAZE	10K JA	1/16W
R9851	301 224 9712	MT-GLAZE	22 JA	1/16W
R9852	301 224 9712	MT-GLAZE	22 JA	1/16W
R9853	301 224 9712	MT-GLAZE	22 JA	1/16W
R9854	301 224 9712	MT-GLAZE	22 JA	1/16W
R9856	301 224 9712	MT-GLAZE	22 JA	1/16W
R9857	301 224 9712	MT-GLAZE	22 JA	1/16W
R9858	301 224 9712	MT-GLAZE	22 JA	1/16W
R9859	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R9861	301 224 9019	MT-GLAZE	10K JA	1/16W
R9862	301 224 9019	MT-GLAZE	10K JA	1/16W
R9863	301 225 8011	MT-GLAZE	330 JA	1/16W
R9864	301 225 8011	MT-GLAZE	330 JA	1/16W
R9865	301 224 9019	MT-GLAZE	10K JA	1/16W
R9868	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
R9869	301 226 1516	MT-GLAZE	0.000 ZA	1/16W
RB1201	945 036 3529	R-NETWORK 0X4		1/32W
	945 037 0817	R-NETWORK 0X4		1/16W
RB1202	945 036 3529	R-NETWORK 0X4		1/32W
	945 037 0817	R-NETWORK 0X4		1/16W
RB1203	945 036 3529	R-NETWORK 0X4		1/32W
	945 037 0817	R-NETWORK 0X4		1/16W
RB1204	945 036 3529	R-NETWORK 0X4		1/32W
	945 037 0817	R-NETWORK 0X4		1/16W
RB1206	945 036 3529	R-NETWORK 0X4		1/32W
	945 037 0817	R-NETWORK 0X4		1/16W
RB1207	945 036 3529	R-NETWORK 0X4		1/32W
	945 037 0817	R-NETWORK 0X4		1/16W
RB1501	945 036 3529	R-NETWORK 0X4		1/32W
	945 037 0817	R-NETWORK 0X4		1/16W
RB1502	945 036 3529	R-NETWORK 0X4		1/32W
	945 037 0817	R-NETWORK 0X4		1/16W
RB1503	945 036 3529	R-NETWORK 0X4		1/32W
	945 037 0817	R-NETWORK 0X4		1/16W
RB1531	945 036 3529	R-NETWORK 0X4		1/32W
	945 037 0817	R-NETWORK 0X4		1/16W
RB1532	945 036 3529	R-NETWORK 0X4		1/32W
	945 037 0817	R-NETWORK 0X4		1/16W
RB1533	945 036 3529	R-NETWORK 0X4		1/32W
	945 037 0817	R-NETWORK 0X4		1/16W
RB1561	945 036 3529	R-NETWORK 0X4		1/32W
	945 037 0817	R-NETWORK 0X4		1/16W
RB1562	945 036 3529	R-NETWORK 0X4		1/32W
	945 037 0817	R-NETWORK 0X4		1/16W
RB1563	945 036 3529	R-NETWORK 0X4		1/32W
	945 037 0817	R-NETWORK 0X4		1/16W
RB1801	645 049 0675	R-NETWORK 33X4		1/32W
	945 049 0690	R-NETWORK 33X4		1/16W
RB1802	645 049 0675	R-NETWORK 33X4		1/32W
	945 049 0690	R-NETWORK 33X4		1/16W
RB1803	645 049 0675	R-NETWORK 33X4		1/32W
	945 049 0690	R-NETWORK 33X4		1/16W
RB1804	645 049 0675	R-NETWORK 33X4		1/32W
	945 049 0690	R-NETWORK 33X4		1/16W
RB1806	645 049 0675	R-NETWORK 33X4		1/32W
	945 049 0690	R-NETWORK 33X4		1/16W
RB1807	645 049 0675	R-NETWORK 33X4		1/32W
	945 049 0690	R-NETWORK 33X4		1/16W
RB1808	645 049 0675	R-NETWORK 33X4		1/32W
	945 049 0690	R-NETWORK 33X4		1/16W

Electrical Parts List

Key No.	Part No.	Description	
RB1809	645 049 0675	R-NETWORK 33X4	1/32W
	945 049 0690	R-NETWORK 33X4	1/16W
RB1881	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB1882	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB1883	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB1884	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB1886	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB1887	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB301	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB303	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB304	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB305	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB306	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB307	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB308	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB309	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB311	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB313	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB314	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB316	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB318	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB319	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB321	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB323	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB324	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB325	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB326	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB327	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB328	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB329	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB332	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB333	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB334	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB335	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB3401	945 036 0986	R-NETWORK 47X4	1/32W
	945 037 0831	R-NETWORK 47X4	1/16W
RB3402	945 036 0986	R-NETWORK 47X4	1/32W
	945 037 0831	R-NETWORK 47X4	1/16W
RB3403	945 036 0986	R-NETWORK 47X4	1/32W
	945 037 0831	R-NETWORK 47X4	1/16W
RB3404	945 036 0986	R-NETWORK 47X4	1/32W
	945 037 0831	R-NETWORK 47X4	1/16W
RB401	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB402	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB403	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB404	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB406	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB407	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB408	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB409	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB411	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB412	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB413	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB414	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB416	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB417	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB418	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB419	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB421	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB422	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB423	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB424	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB426	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB427	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB428	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB429	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB4401	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4402	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4403	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4404	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4405	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4406	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W

Electrical Parts List

Key No.	Part No.	Description	
RB4407	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4408	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4409	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4411	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4412	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4413	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4414	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4415	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4416	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4417	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4418	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB4419	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB4420	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB4431	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4432	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4433	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4434	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4435	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4436	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4437	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4438	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4439	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4441	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4442	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4443	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB4701	945 036 0993	R-NETWORK 4.7KX4	1/32W
	945 033 1443	R-NETWORK 4.7KX4	1/16W
RB4702	945 036 0993	R-NETWORK 4.7KX4	1/32W
	945 033 1443	R-NETWORK 4.7KX4	1/16W
RB4703	945 036 0993	R-NETWORK 4.7KX4	1/32W
	945 033 1443	R-NETWORK 4.7KX4	1/16W
RB4801	945 036 0979	R-NETWORK 10KX4	1/32W
	945 028 0710	R-NETWORK 10KX4	1/16W
RB4802	645 049 0668	R-NETWORK 10X4	1/32W
	945 049 0683	R-NETWORK 10X4	1/16W
RB4803	945 036 0979	R-NETWORK 10KX4	1/32W
	945 028 0710	R-NETWORK 10KX4	1/16W
RB4804	945 036 0979	R-NETWORK 10KX4	1/32W
	945 028 0710	R-NETWORK 10KX4	1/16W
RB4805	945 036 0979	R-NETWORK 10KX4	1/32W
	945 028 0710	R-NETWORK 10KX4	1/16W
RB4806	945 036 0979	R-NETWORK 10KX4	1/32W
	945 028 0710	R-NETWORK 10KX4	1/16W
RB4807	945 036 0979	R-NETWORK 10KX4	1/32W
	945 028 0710	R-NETWORK 10KX4	1/16W
RB4808	945 036 0979	R-NETWORK 10KX4	1/32W
	945 028 0710	R-NETWORK 10KX4	1/16W
RB4809	945 036 0979	R-NETWORK 10KX4	1/32W
	945 028 0710	R-NETWORK 10KX4	1/16W
RB501	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB502	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB503	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB531	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB532	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB533	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB561	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB562	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB563	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB811	945 036 0979	R-NETWORK 10KX4	1/32W
	945 028 0710	R-NETWORK 10KX4	1/16W
RB812	945 036 0979	R-NETWORK 10KX4	1/32W
	945 028 0710	R-NETWORK 10KX4	1/16W
RB8201	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB8202	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB8203	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB8204	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB8206	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB8207	945 036 3529	R-NETWORK 0X4	1/32W
	945 037 0817	R-NETWORK 0X4	1/16W
RB821	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB822	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB823	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB824	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB826	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB827	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB828	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB829	945 034 5051	R-NETWORK 22X4	1/32W
	945 037 0824	R-NETWORK 22X4	1/16W
RB9201	645 049 0675	R-NETWORK 33X4	1/32W
	945 049 0690	R-NETWORK 33X4	1/16W
RB9202	645 049 0675	R-NETWORK 33X4	1/32W
	945 049 0690	R-NETWORK 33X4	1/16W
RB9203	645 049 0675	R-NETWORK 33X4	1/32W
	945 049 0690	R-NETWORK 33X4	1/16W
RB9204	645 049 0675	R-NETWORK 33X4	1/32W
	945 049 0690	R-NETWORK 33X4	1/16W
RB9206	645 049 0675	R-NETWORK 33X4	1/32W
	945 049 0690	R-NETWORK 33X4	1/16W

Electrical Parts List

Key No.	Part No.	Description
RB9207	645 049 0675	R-NETWORK 33X4 1/32W
	945 049 0690	R-NETWORK 33X4 1/16W
RB9208	645 049 0675	R-NETWORK 33X4 1/32W
	945 049 0690	R-NETWORK 33X4 1/16W
RB9211	645 049 0675	R-NETWORK 33X4 1/32W
	945 049 0690	R-NETWORK 33X4 1/16W
RB9212	645 049 0675	R-NETWORK 33X4 1/32W
	945 049 0690	R-NETWORK 33X4 1/16W
RB9213	645 049 0675	R-NETWORK 33X4 1/32W
	945 049 0690	R-NETWORK 33X4 1/16W
RB9214	645 049 0675	R-NETWORK 33X4 1/32W
	945 049 0690	R-NETWORK 33X4 1/16W
TRANSFORMER		
T9201	945 076 5019	FILTER,LP 34MHZ
COIL		
L101	645 068 9000	INDUCTOR,10U K
L102	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
L1251	645 068 9000	INDUCTOR,10U K
L1252	945 059 2240	INDUCTOR,2.2U M
L1253	945 059 2240	INDUCTOR,2.2U M
L1301	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L1311	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L1321	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L1331	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L1451	645 068 9000	INDUCTOR,10U K
L1452	945 080 6828	INDUCTOR,3.3U M
L1453	945 080 6828	INDUCTOR,3.3U M
L1454	945 080 6828	INDUCTOR,3.3U M
L1456	945 080 6828	INDUCTOR,3.3U M
L1457	945 080 6828	INDUCTOR,3.3U M
L1458	945 080 6828	INDUCTOR,3.3U M
L1501	945 080 6828	INDUCTOR,3.3U M
L1502	945 080 6828	INDUCTOR,3.3U M
L1503	945 080 6828	INDUCTOR,3.3U M
L1531	945 080 6828	INDUCTOR,3.3U M
L1532	945 080 6828	INDUCTOR,3.3U M
L1533	945 080 6828	INDUCTOR,3.3U M
L1561	945 080 6828	INDUCTOR,3.3U M
L1562	945 080 6828	INDUCTOR,3.3U M
L1563	945 080 6828	INDUCTOR,3.3U M
L231	301 037 5017	MT-GLAZE 0.000 ZA 1/10W
L232	945 059 2240	INDUCTOR,2.2U M
L2501	945 059 1755	INDUCTOR,22U J
L2502	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L2503	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L2504	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L2506	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L2507	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L2508	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L251	945 059 2240	INDUCTOR,2.2U M
L252	945 059 2240	INDUCTOR,2.2U M
L2531	945 059 1755	INDUCTOR,22U J
L2532	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L2533	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L2534	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L2536	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L2537	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L2538	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L2561	945 059 1755	INDUCTOR,22U J
L2562	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L2563	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L2564	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L2566	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L2567	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L2568	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L2591	301 035 4111	MT-GLAZE 0.000 ZA 1/8W

Key No.	Part No.	Description
L2592	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
L261	945 059 2240	INDUCTOR,2.2U M
L262	945 059 2240	INDUCTOR,2.2U M
L263	945 059 2240	INDUCTOR,2.2U M
L264	945 059 2240	INDUCTOR,2.2U M
L271	945 059 2240	INDUCTOR,2.2U M
L272	945 059 2240	INDUCTOR,2.2U M
L281	945 059 2240	INDUCTOR,2.2U M
L301	945 050 8449	IMPEDANCE,1000 OHM P
L302	945 050 8449	IMPEDANCE,1000 OHM P
L303	945 050 8449	IMPEDANCE,1000 OHM P
L304	945 050 8449	IMPEDANCE,1000 OHM P
L306	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L307	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L308	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L309	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L3401	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
L3402	301 035 4111	MT-GLAZE 0.000 ZA 1/8W
L3404	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L3451	945 080 6828	INDUCTOR,3.3U M
L3452	945 080 6828	INDUCTOR,3.3U M
L501	945 080 6828	INDUCTOR,3.3U M
L502	945 080 6828	INDUCTOR,3.3U M
L503	945 080 6828	INDUCTOR,3.3U M
L531	945 080 6828	INDUCTOR,3.3U M
L532	945 080 6828	INDUCTOR,3.3U M
L533	945 080 6828	INDUCTOR,3.3U M
L5531	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L5532	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L5533	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L5534	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L5541	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L5542	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L5543	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L5544	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L561	945 080 6828	INDUCTOR,3.3U M
L562	945 080 6828	INDUCTOR,3.3U M
L563	945 080 6828	INDUCTOR,3.3U M
L6511	645 092 3616	IMPEDANCE,22 OHM P
L6512	645 092 3616	IMPEDANCE,22 OHM P
L6513	645 092 3616	IMPEDANCE,22 OHM P
L6514	645 092 3616	IMPEDANCE,22 OHM P
L6515	645 092 3616	IMPEDANCE,22 OHM P
L6516	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L6517	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L6518	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L6519	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L6603	945 037 4792	INDUCTOR,100U M
L6691	945 079 8468	INDUCTOR,5.6U N
L7701	945 037 4808	INDUCTOR,33U M
L7721	945 037 4808	INDUCTOR,33U M
L7741	945 033 7940	INDUCTOR,33U M
L7801	945 059 2240	INDUCTOR,2.2U M
L7802	945 059 2240	INDUCTOR,2.2U M
L7821	945 037 4808	INDUCTOR,33U M
L7841	945 037 4808	INDUCTOR,33U M
L7861	945 037 4808	INDUCTOR,33U M
L801	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L802	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L812	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L817	645 092 3616	IMPEDANCE,22 OHM P
L818	645 092 3616	IMPEDANCE,22 OHM P
L821	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
L822	645 092 3616	IMPEDANCE,22 OHM P
L823	645 092 3616	IMPEDANCE,22 OHM P
L824	645 092 3616	IMPEDANCE,22 OHM P
L9201	945 059 2233	INDUCTOR,10U K

Electrical Parts List

Key No.	Part No.	Description
L9202	945 059 2226	INDUCTOR,1.0U M
L9203	945 059 2233	INDUCTOR,10U K
L9221	301 226 1516	MT-GLAZE 0.000 ZA 1/16W
DIODE		
D1251	307 163 0414	DIODE 1SS352-(TPH3)
D1252	307 163 0414	DIODE 1SS352-(TPH3)
D1451	307 163 0414	DIODE 1SS352-(TPH3)
D1452	307 163 0414	DIODE 1SS352-(TPH3)
D1454	307 163 0414	DIODE 1SS352-(TPH3)
D1802	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3
D1861	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3
D1862	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3
D231	307 163 0414	DIODE 1SS352-(TPH3)
D232	307 163 0414	DIODE 1SS352-(TPH3)
D251	307 163 0414	DIODE 1SS352-(TPH3)
D252	307 163 0414	DIODE 1SS352-(TPH3)
D261	307 225 0215	DIODE RB751S-40
D262	307 225 0215	DIODE RB751S-40
D263	307 225 0215	DIODE RB751S-40
D271	307 163 0414	DIODE 1SS352-(TPH3)
D272	307 163 0414	DIODE 1SS352-(TPH3)
D2801	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3
D281	307 163 0414	DIODE 1SS352-(TPH3)
D3401	307 163 0414	DIODE 1SS352-(TPH3)
D3403	307 223 5014	DIODE D1FM3
D3405	307 223 5014	DIODE D1FM3
D3451	307 163 0414	DIODE 1SS352-(TPH3)
D3452	307 163 0414	DIODE 1SS352-(TPH3)
D5503	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3
D5523	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3
D5541	307 190 4119	DIODE SFPL-52V
D5542	307 190 4119	DIODE SFPL-52V
D5543	307 190 4119	DIODE SFPL-52V
D5544	307 190 4119	DIODE SFPL-52V
D5850	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3
D5851	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3
D5852	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3
D5853	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3
D5856	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3
D5857	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3
D5858	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3
D5859	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3
D591	307 225 0215	DIODE RB751S-40
D592	307 225 0215	DIODE RB751S-40
D6503	307 223 1610	ZENER DIODE 02DZ13Y(TPH3)
D6523	307 223 1610	ZENER DIODE 02DZ13Y(TPH3)
D6603	307 223 5014	DIODE D1FM3
D6604	307 163 0414	DIODE 1SS352-(TPH3)
D6621	307 225 0215	DIODE RB751S-40
D6622	307 225 0215	DIODE RB751S-40
D6623	307 223 5014	DIODE D1FM3
D6624	307 223 5014	DIODE D1FM3
D6676	307 163 0414	DIODE 1SS352-(TPH3)
D7701	307 223 5014	DIODE D1FM3
D7702	307 163 0414	DIODE 1SS352-(TPH3)
D7703	307 163 0414	DIODE 1SS352-(TPH3)
D7721	307 223 5014	DIODE D1FM3
D7722	307 163 0414	DIODE 1SS352-(TPH3)
D7723	307 163 0414	DIODE 1SS352-(TPH3)
D7741	307 223 5014	DIODE D1FM3
D7742	307 163 0414	DIODE 1SS352-(TPH3)
D7743	307 163 0414	DIODE 1SS352-(TPH3)
D7801	307 223 1115	ZENER DIODE 02DZ6.2Y(TPH3
D7821	307 223 5014	DIODE D1FM3
D7822	307 163 0414	DIODE 1SS352-(TPH3)
D7823	307 163 0414	DIODE 1SS352-(TPH3)
D7841	307 223 5014	DIODE D1FM3
D7842	307 163 0414	DIODE 1SS352-(TPH3)
D7843	307 163 0414	DIODE 1SS352-(TPH3)
D7861	307 223 5014	DIODE D1FM3
D7862	307 225 0215	DIODE RB751S-40
D7863	307 163 0414	DIODE 1SS352-(TPH3)
D7866	307 225 0215	DIODE RB751S-40
D7867	307 163 0414	DIODE 1SS352-(TPH3)
D8041	307 201 2724	DIODE RB051L-40-TE25
D8042	307 201 2724	DIODE RB051L-40-TE25
D8043	307 163 0414	DIODE 1SS352-(TPH3)
D8201	307 190 4119	DIODE SFPL-52V
MISCELLANEOUS		
IC4811	307 236 0310	SENSOR MPXHZ6115A6T1
X101	945 041 3842	OSC,CRYSTAL 4MHZ
X1201	945 076 5194	OSC,CRYSTAL 79.991883MHZ
X301	945 076 0281	OSC,CRYSTAL 14.31818MHZ
X4801	945 065 3538	OSC,CRYSTAL 14.7456MHZ
X801	945 062 2657	OSC,CRYSTAL 33.3333MHZ
X802	945 060 4608	OSC,CRYSTAL 48.0000MHZ
X9201	945 076 5194	OSC,CRYSTAL 79.991883MHZ

610 333 1362 ASSY,PWB,CONTROL KC3A

CAPACITOR				
C6871	303 409 3426	CERAMIC	0.1U K	16V
C6872	303 409 3426	CERAMIC	0.1U K	16V
C6873	303 409 3426	CERAMIC	0.1U K	16V
C6874	303 409 3426	CERAMIC	0.1U K	16V
RESISTOR				
R6871	301 225 1319	MT-GLAZE	470 JA	1/16W
R6872	301 224 9217	MT-GLAZE	15K JA	1/16W
R6873	301 234 9917	MT-GLAZE	6.8K JA	1/16W
R6874	301 225 1517	MT-GLAZE	3.9K JA	1/16W
R6876	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R6877	301 225 1319	MT-GLAZE	470 JA	1/16W
R6878	301 225 1517	MT-GLAZE	3.9K JA	1/16W
R6879	301 225 0213	MT-GLAZE	3.3K JA	1/16W
R6881	301 225 1319	MT-GLAZE	470 JA	1/16W
DIODE				
D6871	307 223 0514	ZENER DIODE 02DZ12Y(TPH3)		
D6872	307 223 0514	ZENER DIODE 02DZ12Y(TPH3)		
D6873	307 223 0514	ZENER DIODE 02DZ12Y(TPH3)		
D6874	307 223 0514	ZENER DIODE 02DZ12Y(TPH3)		
MISCELLANEOUS				
SW6871	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6872	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6873	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6874	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6876	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6877	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6878	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6879	945 026 2792	SWITCH,PUSH 1P-1TX1		
SW6881	945 026 2792	SWITCH,PUSH 1P-1TX1		

610 333 1645 ASSY,PWB,SENSOR KC3A

CAPACITOR				
C1899	303 409 3426	CERAMIC	0.1U K	16V
RESISTOR				
R1898	301 226 1516	MT-GLAZE	0.000 ZA	1/16W

Electrical Parts List

Key No.	Part No.	Description		
R1899	301 226 1516	MT-GLAZE	0.000 ZA	1/16W

610 333 1447 ASSY,PWB,A/V KC3A

TRANSISTOR

Q1001	305 217 4913	TR RN1111 TE85L
Q1002	305 217 4913	TR RN1111 TE85L
Q1003	305 217 4913	TR RN1111 TE85L
Q1004	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q1008	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q1009	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
Q1011	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
Q1012	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q1013	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q1014	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q1016	305 014 4512	TR 2SC2412K T146 R
	305 014 4611	TR 2SC2412K T146 S
	305 015 8727	TR 2SC2812-L6-TB
	305 015 8925	TR 2SC2812-L7-TB
	305 163 1615	TR 2SC2812N-L6-TB0
	305 173 9816	TR 2SC3928A1R
	305 173 9915	TR 2SC3928A1S
Q2001	305 217 4913	TR RN1111 TE85L
Q2002	305 217 4913	TR RN1111 TE85L
Q2003	305 217 4913	TR RN1111 TE85L
Q3001	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
Q3002	305 134 5928	TR 2SA1037AK-T146-R
	305 147 2218	TR 2SA1037AK-S-T146
	305 002 0311	TR 2SA1037K T146 R
	305 002 0410	TR 2SA1037K T146 S
	305 002 6729	TR 2SA1179-M6-TB
	305 002 6927	TR 2SA1179-M7-TB
	305 163 1516	TR 2SA1179N-M6-TB
	305 173 9618	TR 2SA1235A1E
	305 173 9717	TR 2SA1235A1F
Q4001	305 217 4913	TR RN1111 TE85L

INTEGRATED CIRCUIT

IC1001	309 470 2617	IC AD8183ARUZ-REEL7
IC1002	309 434 8112	IC TC4053BFT-(EL)
IC1003	310 517 6809	IC TC74LVX4053FT
IC1004	309 462 0327	IC 24LC21AT/SN
IC1006	309 400 7118	IC TC7W53FU-(TE12L)
IC1007	309 461 7317	IC AD8057ARTZ-REEL7
IC1008	309 461 7317	IC AD8057ARTZ-REEL7
IC1009	309 461 7317	IC AD8057ARTZ-REEL7
IC1011	309 484 2016	IC BA7078AF-E2
IC1012	310 343 7001	IC SN74AHCT1G14DBVR
IC1013	310 343 7001	IC SN74AHCT1G14DBVR
IC1014	309 416 6518	IC BA05FP-E2
IC2001	309 470 2617	IC AD8183ARUZ-REEL7
IC3801	309 652 0714	IC HIN202EIBNZ-T
	309 565 9613	IC SP232AEN-L
IC4002	310 348 7501	IC TC7WT241FU(TE12L)

CAPACITOR

C1001	303 367 0410	CERAMIC	0.1U K	50V
C1002	303 367 0410	CERAMIC	0.1U K	50V
C1003	303 367 0410	CERAMIC	0.1U K	50V
C1004	303 367 0410	CERAMIC	0.1U K	50V
C1006	303 367 0410	CERAMIC	0.1U K	50V
C1007	303 367 0410	CERAMIC	0.1U K	50V
C1008	303 367 0410	CERAMIC	0.1U K	50V
C1009	303 367 0410	CERAMIC	0.1U K	50V
C1011	303 367 0410	CERAMIC	0.1U K	50V
C1012	303 367 0410	CERAMIC	0.1U K	50V
C1013	303 367 0410	CERAMIC	0.1U K	50V
C1016	303 367 0410	CERAMIC	0.1U K	50V
C1017	303 367 0410	CERAMIC	0.1U K	50V
C1018	303 233 3811	CERAMIC	10P C	50V
C1019	303 367 0410	CERAMIC	0.1U K	50V
C1020	303 367 0410	CERAMIC	0.1U K	50V
C1021	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C1022	303 358 8319	CERAMIC	1U K	10V
C1023	303 367 0410	CERAMIC	0.1U K	50V
C1024	303 367 0410	CERAMIC	0.1U K	50V
C1025	303 367 0410	CERAMIC	0.1U K	50V
C1026	303 157 3614	CERAMIC	100P J	50V
C1027	303 379 6714	CERAMIC	10U K	16V

Electrical Parts List

Key No.	Part No.	Description		
C1028	303 233 3811	CERAMIC	10P C	50V
C1029	303 367 0410	CERAMIC	0.1U K	50V
C1031	303 367 0410	CERAMIC	0.1U K	50V
C1032	303 155 2213	CERAMIC	3300P K	50V
C1033	303 379 6714	CERAMIC	10U K	16V
C1034	303 233 3811	CERAMIC	10P C	50V
C1036	303 367 0410	CERAMIC	0.1U K	50V
C1037	303 367 0410	CERAMIC	0.1U K	50V
C1038	303 367 0410	CERAMIC	0.1U K	50V
C1039	303 355 9913	CERAMIC	2.2U K	10V
C1041	303 355 9913	CERAMIC	2.2U K	10V
C1042	303 358 8319	CERAMIC	1U K	10V
C1043	303 348 5826	CERAMIC	0.47U K	10V
C1044	303 355 9913	CERAMIC	2.2U K	10V
C1046	303 358 8319	CERAMIC	1U K	10V
C1047	303 367 0410	CERAMIC	0.1U K	50V
C1048	303 157 3614	CERAMIC	100P J	50V
C1049	303 358 8319	CERAMIC	1U K	10V
C1051	303 358 8319	CERAMIC	1U K	10V
C1052	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C1053	303 367 0410	CERAMIC	0.1U K	50V
C1054	303 367 0410	CERAMIC	0.1U K	50V
C1056	303 394 1312	ELECT	100U M	6.3V
	303 387 4917	ELECT	100U M	6.3V
C1057	303 367 0410	CERAMIC	0.1U K	50V
C1058	303 367 0410	CERAMIC	0.1U K	50V
C1059	303 367 0410	CERAMIC	0.1U K	50V
C1061	303 367 0410	CERAMIC	0.1U K	50V
C2001	303 367 0410	CERAMIC	0.1U K	50V
C2002	303 367 0410	CERAMIC	0.1U K	50V
C2003	303 367 0410	CERAMIC	0.1U K	50V
C2004	303 367 0410	CERAMIC	0.1U K	50V
C2006	303 367 0410	CERAMIC	0.1U K	50V
C2007	303 367 0410	CERAMIC	0.1U K	50V
C2008	303 367 0410	CERAMIC	0.1U K	50V
C2009	303 367 0410	CERAMIC	0.1U K	50V
C2011	303 367 0410	CERAMIC	0.1U K	50V
C2821	303 358 8319	CERAMIC	1U K	10V
C2822	303 398 4111	ELECT	47U M	16V
	303 387 6515	ELECT	47U M	16V
C2823	303 157 4215	CERAMIC	220P J	50V
C2824	303 367 0410	CERAMIC	0.1U K	50V
C3001	303 367 0410	CERAMIC	0.1U K	50V
C3002	303 367 0410	CERAMIC	0.1U K	50V
C3003	303 367 0410	CERAMIC	0.1U K	50V
C3004	303 367 0410	CERAMIC	0.1U K	50V
C3801	303 358 8319	CERAMIC	1U K	10V
C3802	303 358 8319	CERAMIC	1U K	10V
C3803	303 358 8319	CERAMIC	1U K	10V
C3804	303 358 8319	CERAMIC	1U K	10V
C3806	303 358 8319	CERAMIC	1U K	10V
C4001	303 367 0410	CERAMIC	0.1U K	50V
C4002	303 367 0410	CERAMIC	0.1U K	50V
C4003	303 367 0410	CERAMIC	0.1U K	50V
C4004	303 367 0410	CERAMIC	0.1U K	50V
C4006	303 367 0410	CERAMIC	0.1U K	50V
C4007	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C4008	303 367 0410	CERAMIC	0.1U K	50V
C4009	303 358 3215	CERAMIC	10U K	6.3V
	303 368 7319	CERAMIC	10U K	6.3V
C4011	303 367 0410	CERAMIC	0.1U K	50V
C4012	303 367 0410	CERAMIC	0.1U K	50V
C4701	303 367 0410	CERAMIC	0.1U K	50V

RESISTOR

Key No.	Part No.	Description		
R1001	301 260 4115	MT-GLAZE	75 JA	1/3W
R1002	301 260 4115	MT-GLAZE	75 JA	1/3W
R1003	301 260 4115	MT-GLAZE	75 JA	1/3W
R1004	301 260 4016	MT-GLAZE	68 JA	1/3W
R1006	301 260 4016	MT-GLAZE	68 JA	1/3W
R1007	301 150 5918	MT-GLAZE	10K JA	1/10W
R1008	301 255 6513	MT-GLAZE	100 JA	1/10W
R1009	301 255 6513	MT-GLAZE	100 JA	1/10W
R1011	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R1012	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R1013	301 255 6513	MT-GLAZE	100 JA	1/10W
R1014	301 255 6513	MT-GLAZE	100 JA	1/10W
R1018	301 150 5918	MT-GLAZE	10K JA	1/10W
R1021	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R1022	301 150 5918	MT-GLAZE	10K JA	1/10W
R1023	301 255 6513	MT-GLAZE	100 JA	1/10W
R1024	301 255 6513	MT-GLAZE	100 JA	1/10W
R1026	301 150 6212	MT-GLAZE	1K JA	1/10W
R1027	301 035 4111	MT-GLAZE	0.000 ZA	1/8W
R1028	301 162 2912	MT-GLAZE	220 JA	1/10W
R1029	301 162 2912	MT-GLAZE	220 JA	1/10W
R1031	301 162 2912	MT-GLAZE	220 JA	1/10W
R1032	301 035 4111	MT-GLAZE	0.000 ZA	1/8W
R1033	301 162 3711	MT-GLAZE	4.7K JA	1/10W
R1034	301 162 2912	MT-GLAZE	220 JA	1/10W
R1036	301 162 2912	MT-GLAZE	220 JA	1/10W
R1037	301 162 2912	MT-GLAZE	220 JA	1/10W
R1038	301 162 2912	MT-GLAZE	220 JA	1/10W
R1039	301 162 2912	MT-GLAZE	220 JA	1/10W
R1041	301 162 2912	MT-GLAZE	220 JA	1/10W
R1042	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R1043	301 255 6513	MT-GLAZE	100 JA	1/10W
R1044	301 150 5819	MT-GLAZE	100K JA	1/10W
R1046	301 150 6212	MT-GLAZE	1K JA	1/10W
R1047	301 150 6212	MT-GLAZE	1K JA	1/10W
R1048	301 150 6212	MT-GLAZE	1K JA	1/10W
R1049	301 150 6212	MT-GLAZE	1K JA	1/10W
R1051	301 150 6212	MT-GLAZE	1K JA	1/10W
R1052	301 150 6212	MT-GLAZE	1K JA	1/10W
R1053	301 264 7518	MT-GLAZE	2.7K FA	1/10W
R1054	301 255 6513	MT-GLAZE	100 JA	1/10W
R1056	301 150 6212	MT-GLAZE	1K JA	1/10W
R1057	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R1061	301 150 6212	MT-GLAZE	1K JA	1/10W
R1063	301 264 7518	MT-GLAZE	2.7K FA	1/10W
R1064	301 264 7518	MT-GLAZE	2.7K FA	1/10W
R1066	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R1067	301 255 6513	MT-GLAZE	100 JA	1/10W
R1068	301 255 6513	MT-GLAZE	100 JA	1/10W
R1069	301 150 6212	MT-GLAZE	1K JA	1/10W
R1071	301 264 7518	MT-GLAZE	2.7K FA	1/10W
R1072	301 255 6018	MT-GLAZE	1M JA	1/10W
R1073	301 256 7618	MT-GLAZE	3.9K JA	1/10W
R1074	301 255 6513	MT-GLAZE	100 JA	1/10W
R1076	301 255 6513	MT-GLAZE	100 JA	1/10W
R1077	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R1078	301 255 6513	MT-GLAZE	100 JA	1/10W
R1079	301 264 5316	MT-GLAZE	2.2 JA	1/10W
R1081	301 150 6212	MT-GLAZE	1K JA	1/10W
R1082	301 150 6212	MT-GLAZE	1K JA	1/10W
R1083	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R1084	301 162 2813	MT-GLAZE	1.8K JA	1/10W
R1086	301 162 2813	MT-GLAZE	1.8K JA	1/10W
R2001	301 260 4115	MT-GLAZE	75 JA	1/3W
R2002	301 260 4115	MT-GLAZE	75 JA	1/3W
R2003	301 260 4115	MT-GLAZE	75 JA	1/3W
R2004	301 255 6513	MT-GLAZE	100 JA	1/10W

Electrical Parts List

Key No.	Part No.	Description		
R2006	301 255 6513	MT-GLAZE	100 JA	1/10W
R2007	301 255 6513	MT-GLAZE	100 JA	1/10W
R2008	301 260 4016	MT-GLAZE	68 JA	1/3W
R2009	301 260 4016	MT-GLAZE	68 JA	1/3W
R2011	301 150 5918	MT-GLAZE	10K JA	1/10W
R2012	301 255 6513	MT-GLAZE	100 JA	1/10W
R2013	301 255 6513	MT-GLAZE	100 JA	1/10W
R2014	301 035 4111	MT-GLAZE	0.000 ZA	1/8W
R2016	301 035 4111	MT-GLAZE	0.000 ZA	1/8W
R2017	301 150 5918	MT-GLAZE	10K JA	1/10W
R2018	301 255 6513	MT-GLAZE	100 JA	1/10W
R2019	301 255 6513	MT-GLAZE	100 JA	1/10W
R2021	301 255 6513	MT-GLAZE	100 JA	1/10W
R2022	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R2023	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R2024	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R2026	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R2027	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R2028	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R2029	301 255 6513	MT-GLAZE	100 JA	1/10W
R2031	301 255 6513	MT-GLAZE	100 JA	1/10W
R2032	301 255 6513	MT-GLAZE	100 JA	1/10W
R2033	301 255 6513	MT-GLAZE	100 JA	1/10W
R2034	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R2036	301 255 6513	MT-GLAZE	100 JA	1/10W
R2037	301 150 5918	MT-GLAZE	10K JA	1/10W
R2038	301 150 5918	MT-GLAZE	10K JA	1/10W
R2039	301 162 2912	MT-GLAZE	220 JA	1/10W
R2041	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R2042	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R2046	301 276 4710	MT-GLAZE	0.000 ZA	1/3W
R2047	301 276 4710	MT-GLAZE	0.000 ZA	1/3W
R2048	301 276 4710	MT-GLAZE	0.000 ZA	1/3W
R2821	301 260 4016	MT-GLAZE	68 JA	1/3W
R2822	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R2823	301 255 6513	MT-GLAZE	100 JA	1/10W
R2824	301 255 6513	MT-GLAZE	100 JA	1/10W
R2826	301 150 5918	MT-GLAZE	10K JA	1/10W
R2827	301 255 6513	MT-GLAZE	100 JA	1/10W
R2828	301 255 8111	MT-GLAZE	5.1K JA	1/10W
R2829	301 150 5918	MT-GLAZE	10K JA	1/10W
R3001	301 260 4115	MT-GLAZE	75 JA	1/3W
R3002	301 260 4115	MT-GLAZE	75 JA	1/3W
R3003	301 260 4115	MT-GLAZE	75 JA	1/3W
R3004	301 255 6513	MT-GLAZE	100 JA	1/10W
R3006	301 255 6513	MT-GLAZE	100 JA	1/10W
R3007	301 255 6513	MT-GLAZE	100 JA	1/10W
R3008	301 260 4115	MT-GLAZE	75 JA	1/3W
R3009	301 260 4115	MT-GLAZE	75 JA	1/3W
R3011	301 255 6513	MT-GLAZE	100 JA	1/10W
R3012	301 255 6513	MT-GLAZE	100 JA	1/10W
R3013	301 150 6212	MT-GLAZE	1K JA	1/10W
R3014	301 150 6212	MT-GLAZE	1K JA	1/10W
R3801	301 255 6513	MT-GLAZE	100 JA	1/10W
R3802	301 255 6513	MT-GLAZE	100 JA	1/10W
R3803	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R3804	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R3806	301 255 6513	MT-GLAZE	100 JA	1/10W
R3807	301 255 6513	MT-GLAZE	100 JA	1/10W
R3808	301 150 5918	MT-GLAZE	10K JA	1/10W
R4001	301 265 4912	MT-GLAZE	75 FA	1/10W
R4002	301 265 4912	MT-GLAZE	75 FA	1/10W
R4003	301 265 4912	MT-GLAZE	75 FA	1/10W
R4004	301 265 4912	MT-GLAZE	75 FA	1/10W
R4006	301 265 4912	MT-GLAZE	75 FA	1/10W
R4007	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R4008	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R4009	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R4011	301 255 6513	MT-GLAZE	100 JA	1/10W
R4012	301 150 5918	MT-GLAZE	10K JA	1/10W
R4701	301 255 6513	MT-GLAZE	100 JA	1/10W
COIL				
L1001	945 086 7577	FILTER,EMI 400MHZ		
L1002	945 086 7577	FILTER,EMI 400MHZ		
L1003	945 086 7577	FILTER,EMI 400MHZ		
L1004	945 086 7560	FILTER,EMI 200MHZ		
L1006	945 086 7560	FILTER,EMI 200MHZ		
L1007	945 004 6644	INDUCTOR,220 OHM		
L1008	301 035 4111	MT-GLAZE	0.000 ZA	1/8W
L1009	945 059 2240	INDUCTOR,2.2U M		
L1011	645 092 3494	IMPEDANCE,90 OHM P		
L1012	645 092 3494	IMPEDANCE,90 OHM P		
L1013	645 092 3494	IMPEDANCE,90 OHM P		
L1014	645 092 3494	IMPEDANCE,90 OHM P		
L2001	945 086 7577	FILTER,EMI 400MHZ		
L2002	945 086 7577	FILTER,EMI 400MHZ		
L2003	945 086 7577	FILTER,EMI 400MHZ		
L2004	945 086 7560	FILTER,EMI 200MHZ		
L2006	945 086 7560	FILTER,EMI 200MHZ		
L2007	301 035 4111	MT-GLAZE	0.000 ZA	1/8W
L2821	945 086 7454	FILTER,EMI 50MHZ		
L2822	945 086 7454	FILTER,EMI 50MHZ		
L3001	945 086 7577	FILTER,EMI 400MHZ		
L3002	945 086 7577	FILTER,EMI 400MHZ		
L3003	945 086 7577	FILTER,EMI 400MHZ		
L3004	945 086 7461	FILTER,EMI 100MHZ		
L3006	945 086 7461	FILTER,EMI 100MHZ		
L3801	945 086 7454	FILTER,EMI 50MHZ		
L3802	945 086 7454	FILTER,EMI 50MHZ		
L3803	945 070 3660	INDUCTOR,90 OHM		
L3804	945 059 2240	INDUCTOR,2.2U M		
L3806	945 059 2240	INDUCTOR,2.2U M		
L4001	945 086 7577	FILTER,EMI 400MHZ		
L4002	945 086 7577	FILTER,EMI 400MHZ		
L4003	945 086 7577	FILTER,EMI 400MHZ		
L4004	945 086 7577	FILTER,EMI 400MHZ		
L4006	945 086 7577	FILTER,EMI 400MHZ		
DIODE				
D1001	307 254 2914	ZENER DIODE 02DZ6.8Y(TPH3		
D1002	307 254 2914	ZENER DIODE 02DZ6.8Y(TPH3		
D1003	307 201 2724	DIODE RB051L-40-TE25		
D1004	307 201 2724	DIODE RB051L-40-TE25		
D1006	307 163 0414	DIODE 1SS352-(TPH3)		
D1007	307 163 0414	DIODE 1SS352-(TPH3)		
D1008	307 163 0414	DIODE 1SS352-(TPH3)		
D1009	307 163 0414	DIODE 1SS352-(TPH3)		
D1011	307 163 0414	DIODE 1SS352-(TPH3)		
D1012	307 163 0414	DIODE 1SS352-(TPH3)		
D1013	307 163 0414	DIODE 1SS352-(TPH3)		
D1018	307 201 2724	DIODE RB051L-40-TE25		
D1021	307 163 0414	DIODE 1SS352-(TPH3)		
D1022	307 163 0414	DIODE 1SS352-(TPH3)		
D2821	307 254 2914	ZENER DIODE 02DZ6.8Y(TPH3		
D2822	307 254 2914	ZENER DIODE 02DZ6.8Y(TPH3		
D2823	307 254 2914	ZENER DIODE 02DZ6.8Y(TPH3		
MISCELLANEOUS				
AU2802	945 083 3800	UNIT,REMOCON RECEIVER		
IC2821	307 223 7315	PC TLP421F(D4-GB-TP4)		
K11A	945 062 3524	SOCKET,D-SUB 15P		
K11B	945 078 7998	SOCKET,DVI 24P		
K12A	945 036 5202	SOCKET,BNC 5P		
K13A	645 092 4200	TERMINAL,BOARD		

Electrical Parts List

Key No.	Part No.	Description
K14A	945 062 3524	SOCKET,D-SUB 15P
K28A	945 017 1681	JACK,PHONE D3.6
K38A	945 027 8779	PLUG,D-SUB 9P
K38B	945 028 0383	SOCKET,USB 4P
SC1001	945 076 3503	SURGE-ABSORBER
SC1002	945 076 3503	SURGE-ABSORBER
SC1003	945 076 3503	SURGE-ABSORBER
SC1004	945 076 3503	SURGE-ABSORBER
SC1006	945 076 3503	SURGE-ABSORBER
SC1007	945 076 3503	SURGE-ABSORBER
SC1008	945 076 3503	SURGE-ABSORBER
SC2001	945 076 3503	SURGE-ABSORBER
SC2002	945 076 3503	SURGE-ABSORBER
SC2003	945 076 3503	SURGE-ABSORBER
SC2004	945 076 3503	SURGE-ABSORBER
SC2006	945 076 3503	SURGE-ABSORBER
SC3001	945 076 3503	SURGE-ABSORBER
SC3002	945 076 3503	SURGE-ABSORBER
SC3003	945 076 3503	SURGE-ABSORBER
SC3004	945 076 3503	SURGE-ABSORBER
SC3006	945 076 3503	SURGE-ABSORBER
SC3801	945 076 3503	SURGE-ABSORBER
SC3802	945 076 3503	SURGE-ABSORBER
SC4701	945 076 3503	SURGE-ABSORBER
SW4701	945 042 8198	SWITCH,PUSH 1P-1TX1

610 333 1409 ASSY,PWB,R/C FRONT KC3A

CAPACITOR

C1691	303 281 2415	CERAMIC	0.22U K	16V
C1692	303 155 1612	CERAMIC	33P J	50V
C1693	303 155 1612	CERAMIC	33P J	50V
C2801	303 316 5411	CERAMIC	1U K	10V
C2802	303 157 6219	CERAMIC	220P K	50V
C2803	303 392 1215	ELECT	47U M	6.3V
	303 387 5310	ELECT	47U M	6.3V

RESISTOR

R1691	301 255 6513	MT-GLAZE	100 JA	1/10W
R1692	301 162 2219	MT-GLAZE	10 JA	1/10W
R1693	301 162 2219	MT-GLAZE	10 JA	1/10W
R2801	301 260 4016	MT-GLAZE	68 JA	1/3W
R2802	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R2803	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R2804	301 150 6014	MT-GLAZE	0.000 ZA	1/10W

MISCELLANEOUS

AU2801	945 083 3800	UNIT,REMOCON RECEIVER

610 333 2833 ASSY,PWB, COVER SW KC3A

SW1861	945 063 5176	SWITCH,PUSH 2P-2TX3

610 333 7326 ASSY,PWB, LED KC3A

CAPACITOR

C6891	303 367 0410	CERAMIC	0.1U K	50V

RESISTOR

R6891	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R6892	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R6893	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R6894	301 150 6014	MT-GLAZE	0.000 ZA	1/10W
R6895	301 150 6014	MT-GLAZE	0.000 ZA	1/10W

DIODE

D6881	307 203 7816	LED SML-210LT T86 M
D6882	307 203 7915	LED SML-210MT T86 M
D6883	307 203 7816	LED SML-210LT T86 M
D6884	307 209 7513	LED SML-210YT T86 L
D6885	307 209 7513	LED SML-210YT T86 L
D6892	307 223 0514	ZENER DIODE 02DZ12Y(TPH3)

610 334 4553		ASSY,PWB, FILTER SW KC3A

MISCELLANEOUS

SW1891	945 063 5176	SWITCH,PUSH 2P-2TX3

PACKING MATERIALS DIRECTORY

610 334 9152	CARTON CASE-KC3AL
610 331 3016	CASE ACCESSORY-MZ7A
610 334 9275	CUSHION L-KC3A
610 334 9374	CUSHION R-KC3A
945 084 8644	POLY BAG-0700X0600*NC

ACCESSORIES

OWNER'S MANUAL

610 335 0219	SETUP INST MANUAL-KC3A
610 337 7247	CD-ROM,OWNERS MANUAL-KC3A-A

REMOTE CONTROL

645 092 9502	ASSY,REMOCON CXWH
610 335 0486	RC-BATTERY LID-CXWH

⚠ 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

MISCELLANEOUS

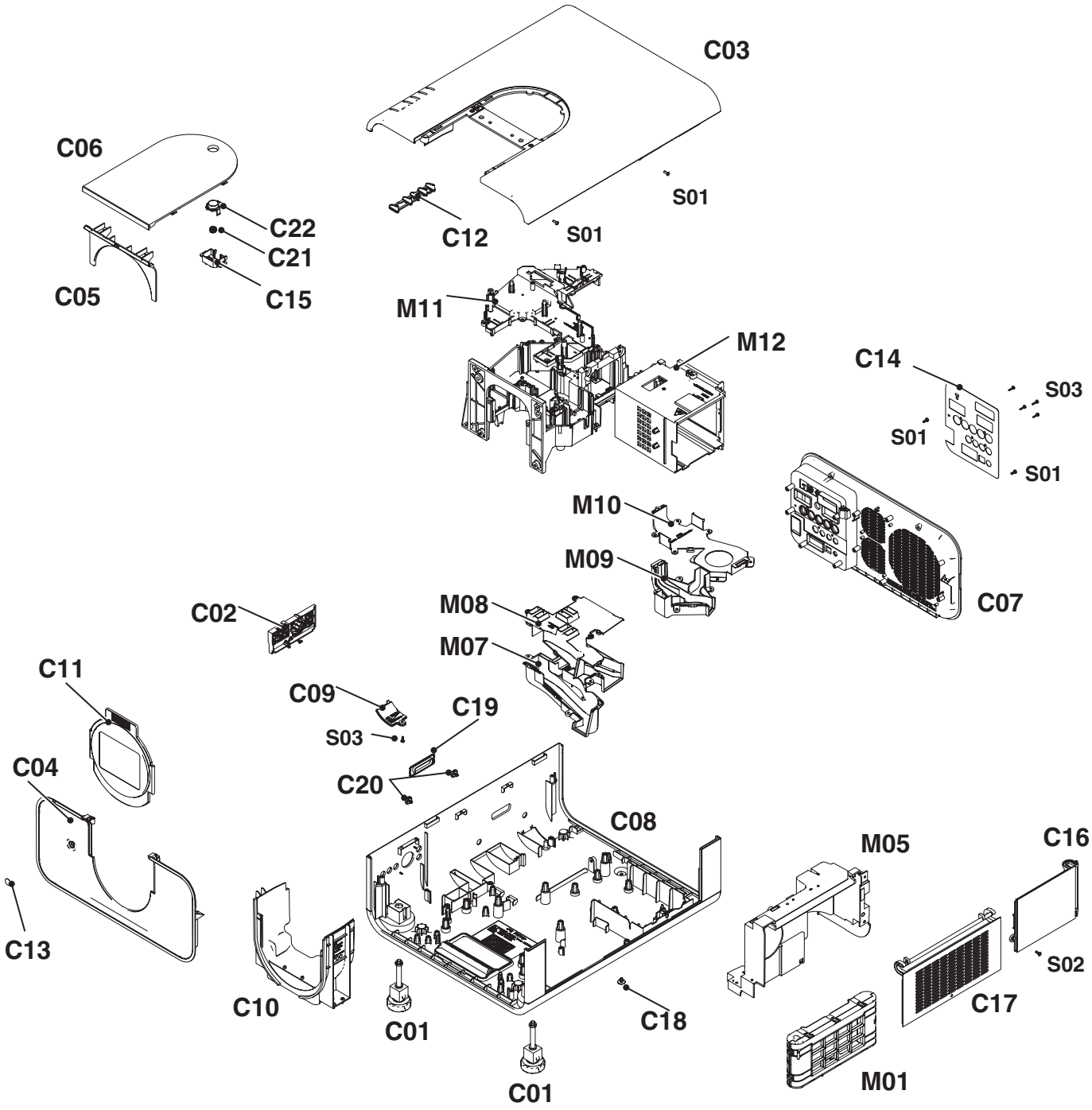
610 335 2312	ASSY,COVER LENS GH-KC3AL
610 331 7601	ASSY,MOUNTING LENS W-MR3A
910 301 6659	ASSY,SPACER BF-MY8A
945 063 6937	CABLE,USB
945 063 6944	CABLE,USB
945 073 4855	CABLE,INTERFACE VGA
645 093 1642	CABLE,INTERFACE VGA

Electrical Parts List

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

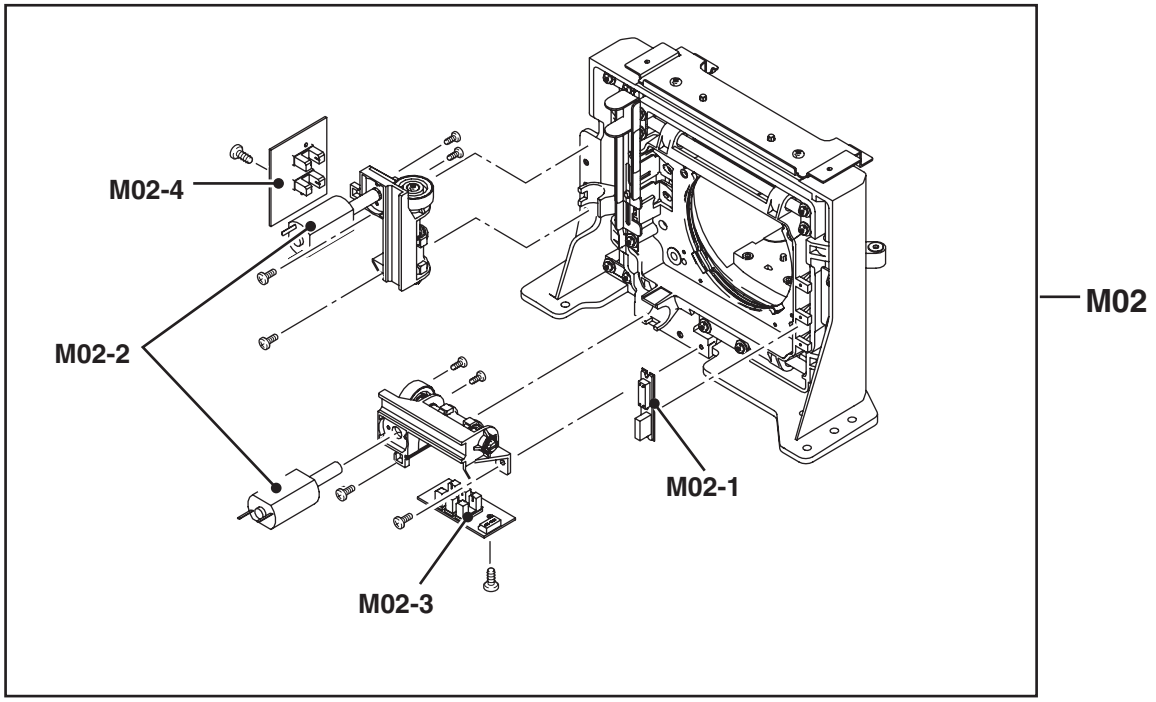
Mechanical Parts List

Cabinet Parts Location

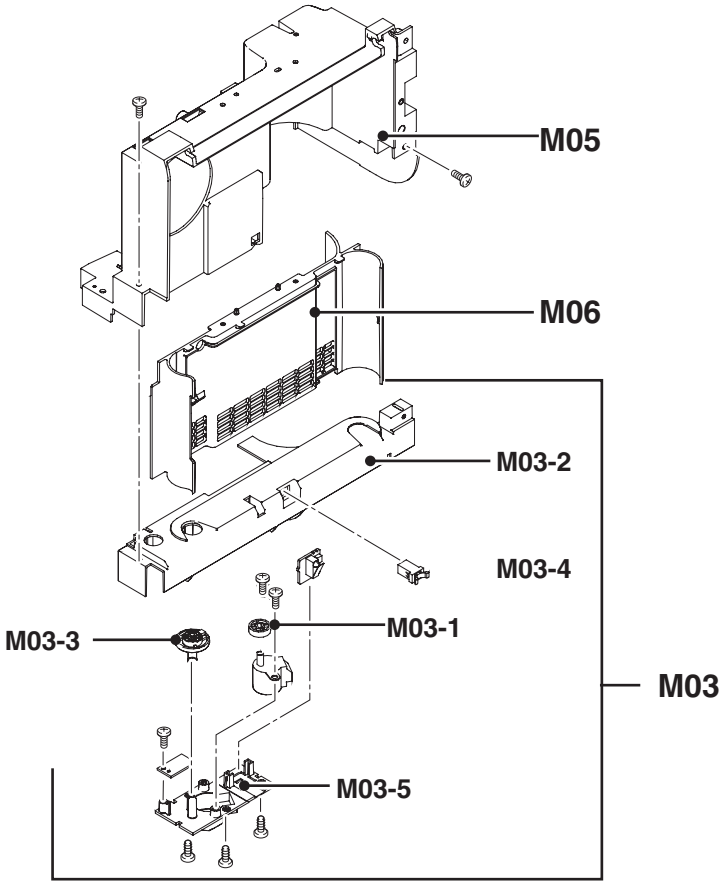


Mechanical Parts List

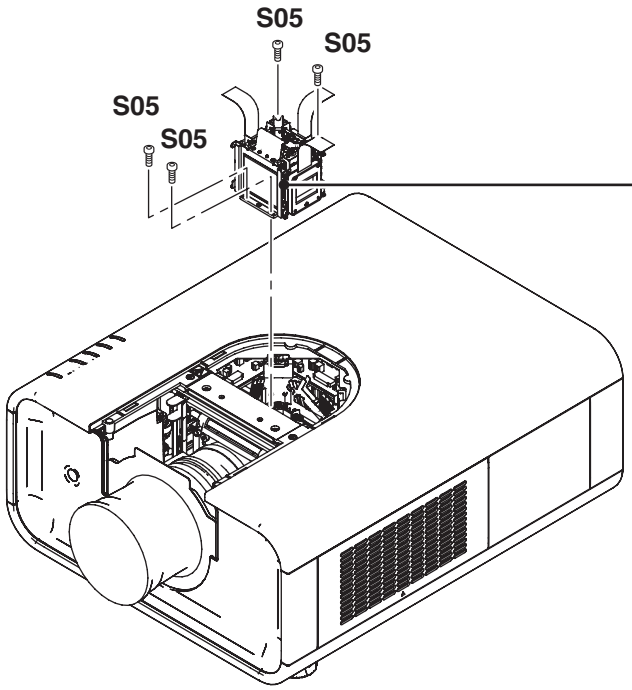
Lens Shift Assembly

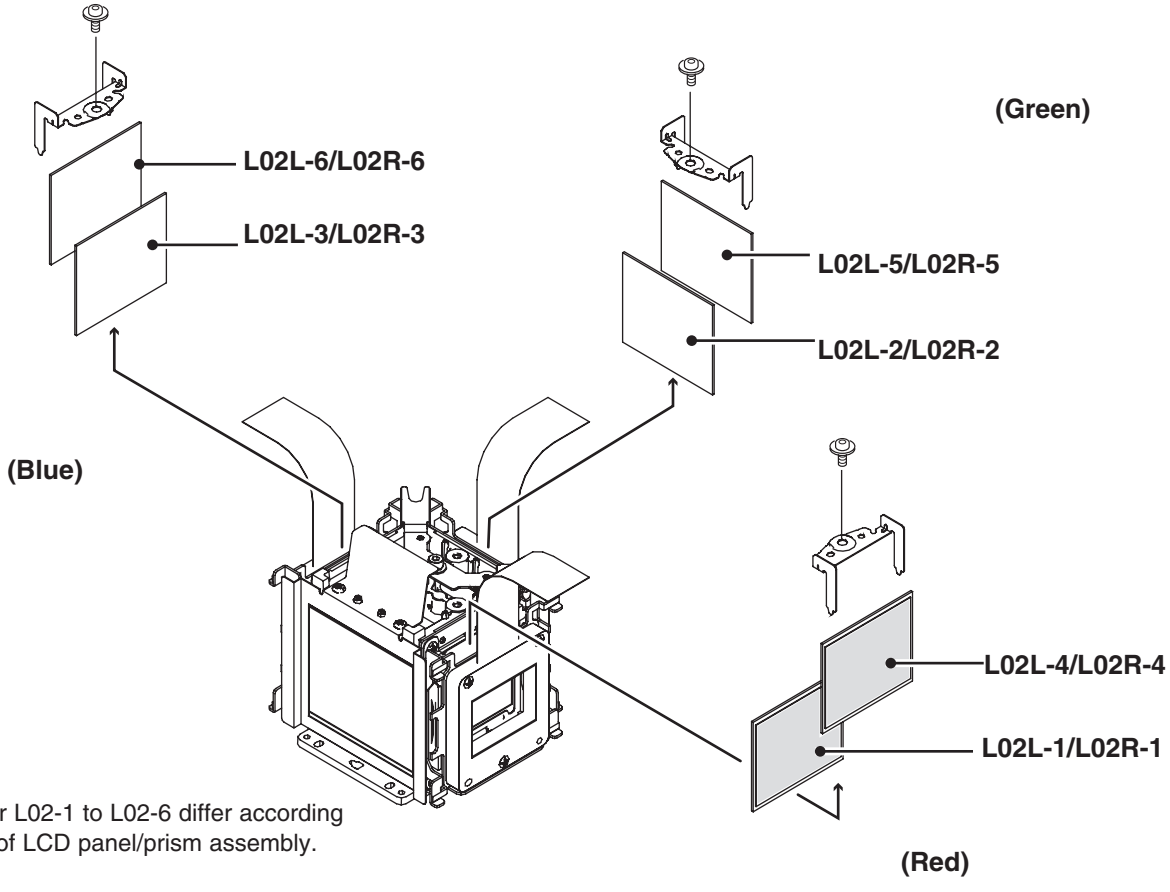


Filter Holder Assembly



Panel/Prism Assembly

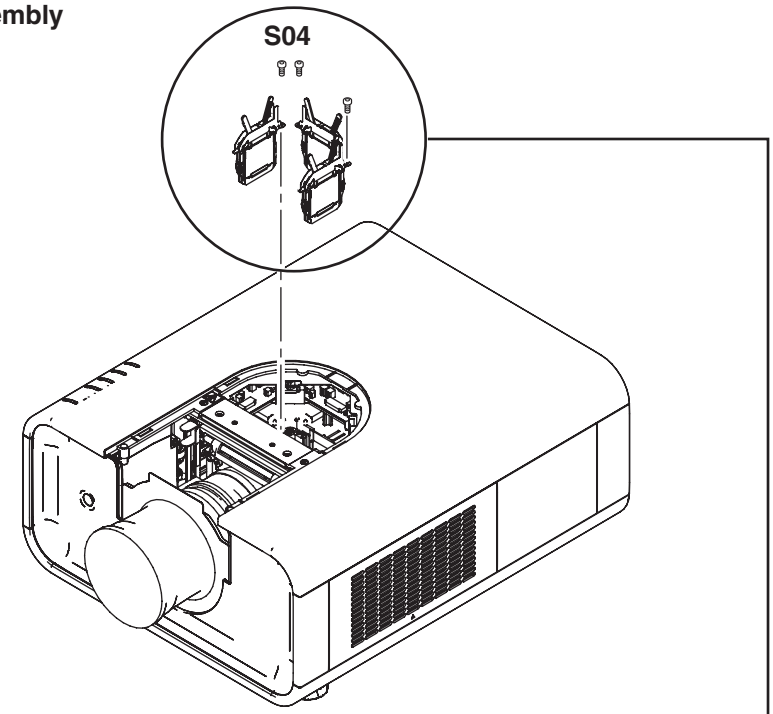


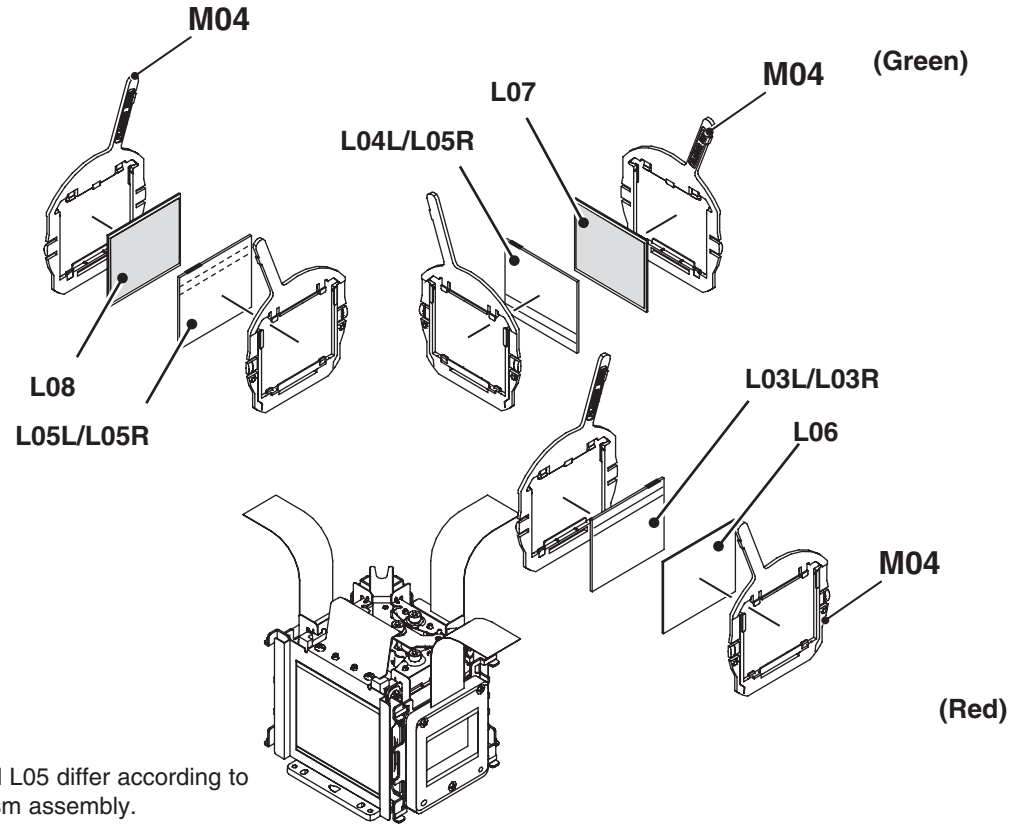


Note:
Parts for L02-1 to L02-6 differ according to type of LCD panel/prism assembly.

Mechanical Parts List

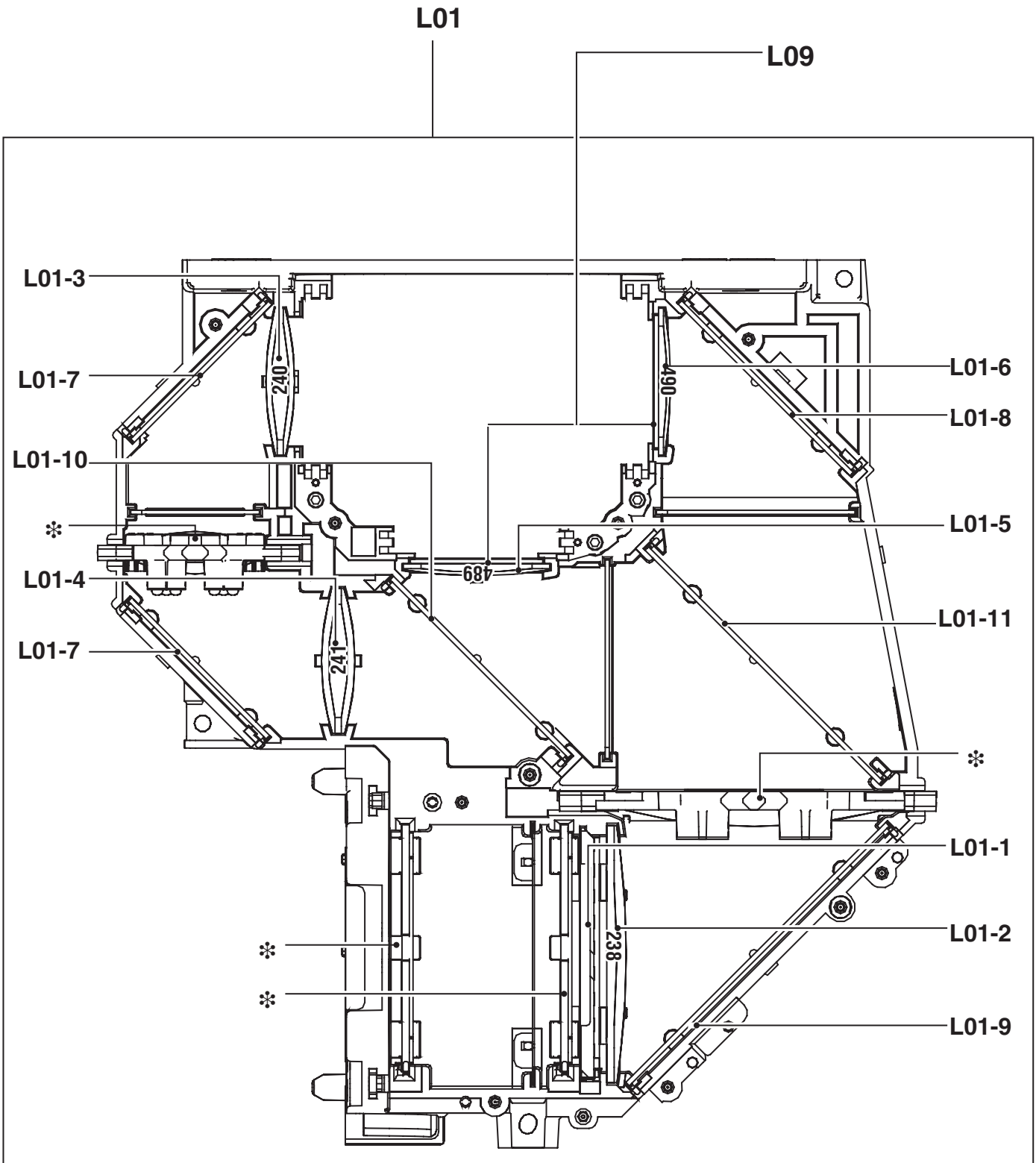
Polarized-In Assembly





Note:
Parts for L03, L04 and L05 differ according to type of LCD panel/prism assembly.

In the Optical Unit



Note:
The parts indicated with (✻) are fixed with the adhesive onto the optical base bottom, so these parts are not the replaceable parts.

Mechanical Parts List

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

Key No.	Part No.	Description
CABINET PARTS		
C01	610 334 2818	COMPL,STAND LEG-KC3A
C02	610 334 3242	BUTTON CONT-KC3A
C03	610 334 1217	CABINET TOP-KC3A
C04	610 334 1347	CABINET FRONT-KC3A
C05	610 334 1422	CABINET FRONT COVER F-KC3A
C06	610 334 1385	CABINET FRONT COVER T-KC3A
C07	610 334 1255	CABINET BACK-KC3A
C08	610 334 1361	CABINET BOTTOM-KC3A
C09	610 334 2016	COVER FUSE-KC3A
C10	610 334 2030	COVER HANDLE-KC3A
C11	610 334 2054	COVER NON LENS-KC3AL
C12	610 334 3303	DEC INLAY LED-KC3A
C13	910 302 5613	DEC SHEET-M4JA
C14	610 334 2801	DEC AV SHEET-KC3A
C15	610 334 2139	HOLDER STOPPER-KC3A
C16	610 334 1477	PANEL LMP-KC3A
C17	610 334 1200	PANEL FILTER-KC3A
C18	910 293 9973	SPACER LEG-MA8A
C19	910 297 7920	SPACER COVER NWMG-MA8AA
C20	910 297 7937	SPACER COVER SCREW NWMG-MA8AA
C21	610 334 2023	SPRING STOPPER-KC3A
C22	610 334 1989	STOPPER COVER TOP-KC3A
CHASSIS PARTS		
M01	610 334 3747	ASSY,BOX FILTER-KC3A (FILTER CARTRIDGE)
M02	610 334 3501	COMPL,HOLDER LNS SHIFT-KC3A
	(Including Key No. M02-1 to M02-4)	
M02-1	910 306 6630	ASSY,PWB,LENS-BASE NET MR3A
M02-2	610 334 3891	ASSY,HOLDER MTR LNS-KC3A
M02-3	645 092 6600	UNIT,LENS,SHIFT-X
M02-4	645 092 6617	UNIT,LENS,SHIFT-Y
M03	610 334 4188	COMPL,HOLDER FILTER-KC3A
	(Including Key No. M03-1 to M03-5)	
M03-1	610 334 3549	GEAR MOTOR-KC3A
M03-2	610 334 3112	HOLDER FILTER BASE-KC3A
M03-3	610 336 9921	COMP,HOLDER SHAFT FILTER-KC3A
M03-4	910 313 6678	LATCH-P8FK
M03-5	610 334 4300	MTG HLD SHAFT FIL-KC3A
M04	610 334 3051	HOLDER POL IN A-KC3A
M05	610 334 2849	HOLDER FILTER COVER-KC3A
M06	610 334 2771	HOLDER FILTER-KC3A
M07	610 334 3310	MTG DUCT BTM LCD-KC3A
M08	610 334 3259	MTG DUCT TOP LCD-KC3A
M09	610 334 3228	MTG DUCT BTM LMP-KC3A
M10	610 334 3174	MTG DUCT TOP LMP-KC3A
M11	610 334 1491	OPTICAL BASE TOP-KC3A
M12	610 334 1484	OPTICAL LMP COVER UV-KC3A
SCREWS		
S01	411 188 6706	SCR S-TPG BIN 3X8
S02	312 069 8300	SPECIAL SCREW W
S03	411 189 7207	SCR S-TPG BIN 3X8
S04	411 189 6606	BOLT HEX-SCT 2.5X6
S05	312 074 7107	SPECIAL SCREW V
OPTICAL PARTS		
L01	610 336 9594	COMPL,OPTICAL-KC3A
	(Optical Unit Ass'y, Including Key No. L01-1 to L01-11)	
L01-1	945 041 3712	ASSY,PRISM(PBS)
	945 051 9421	ASSY,PRISM(PBS)
L01-2	945 047 2856	LENS,CONDENSER(IN)
L01-3	945 047 2870	LENS,CONDENSER(R)
L01-4	945 047 2887	LENS,RELAY(IN)
L01-5	945 085 7837	LENS,CONDENSER (G)
L01-6	945 085 7844	LENS,CONDENSER (B)
L01-7	945 044 2576	MIRROR(R)
L01-8	945 047 7516	MIRROR(B)
L01-9	945 086 2992	MIRROR(W-COLD)
L01-10	945 050 7893	DICHROIC MIRROR (G)
L01-11	945 047 2924	DICHROIC MIRROR (B)
L06	645 092 9991	POLARIZED GLASS(IN/R)
L07	645 093 0034	POLARIZED GLASS(IN/G)
L08	645 093 0041	POLARIZED GLASS(IN/B)
L09	645 093 0027	POLARIZED GLASS(IN/GB)
TYPE-L PRISM/PANEL		
L02L	610 337 5038	ASSY,LCD PNL/PRISM RLR-KC3A
	(Including Key No. L02L-1 to L02L-6 and LCD Panels)	
L02L-1	945 085 8018	POLARIZED GLASS(OUT/R)
L02L-2	645 093 0058	POLARIZED GLASS(OUT/G)
L02L-3	645 093 0065	POLARIZED GLASS(OUT/B)
L02L-4	645 093 0010	PREPOLARIZED GLASS(R)
L02L-5	645 093 0546	PREPOLARIZED GLASS(G)
L02L-6	645 093 0560	PREPOLARIZED GLASS(B)
L03L	645 092 7355	OPTICAL FILTER (HCP)R
L04L	645 092 7362	OPTICAL FILTER (HCP)L
L05L	645 092 7355	OPTICAL FILTER (HCP)R
TYPE-R PRISM/PANEL		
L02R	610 337 5045	ASSY,LCD PNL/PRISM LRL-KC3A
	(Including Key No. L02R-1 to L02R-6 and LCD Panels)	
L02R-1	945 085 8018	POLARIZED GLASS(OUT/R)
L02R-2	645 093 0058	POLARIZED GLASS(OUT/G)
L02R-3	645 093 0065	POLARIZED GLASS(OUT/B)
L02R-4	645 093 0010	PREPOLARIZED GLASS(R)
L02R-5	645 093 0546	PREPOLARIZED GLASS(G)
L02R-6	645 093 0560	PREPOLARIZED GLASS(B)
L03R	645 092 7362	OPTICAL FILTER (HCP)L
L04R	645 092 7355	OPTICAL FILTER (HCP)R
L05R	645 092 7362	OPTICAL FILTER (HCP)L

* There are 2 types (Type-L or Type-R) of LCD Panel/Prism Ass'y. Used type is indicated on the Prism Ass'y and Optical unit top. Refer to item "LCD Panel/Prism Ass'y Removal" for further information.

(KC3AL) Jul. 2007 DC 350 Printed in Japan

SANYO Electric Co., Ltd.

Diagrams & Drawings

Schematic Diagrams
Printed Wiring Board Drawings

Model	Chassis No.
PLC-XP100L	KC3-XP100L00

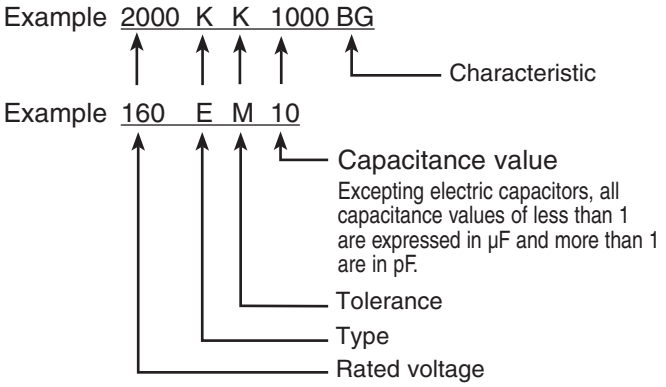
These schematic diagrams and printed wiring board drawings are part of the service manual original for chassis No. KC3-XP100L00 model PLC-XP100L. File with the service manual No. SM5110873-00

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

1. The parts specification of resistors, capacitors and coils are expressed in designated code. Please check the parts description by the following code table.
2. 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.
3. Voltages and waveforms were taken with a video color bar signal (1Vp-p at 75 ohms terminated) and controls to normal.
4. Voltages were taken with a high-impedance digital voltmeter.

Capacitor Reading



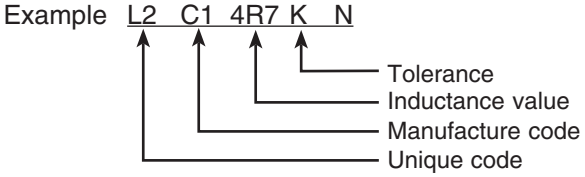
● **Material table**

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

● **Tolerance table**

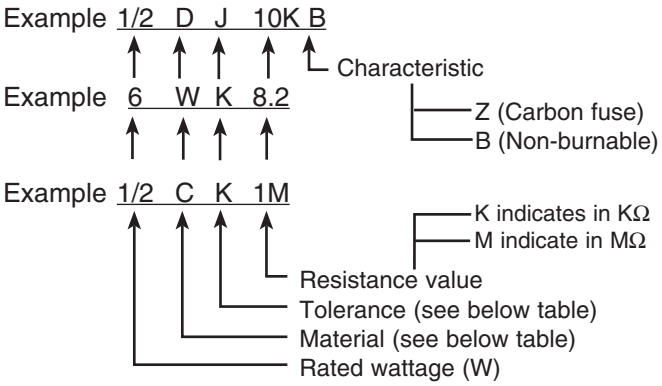
Mark	Tolerance	
A	not specified	
B	±0.1	
C	±0.25	
D	±0.5	
F	±1	
G	±2	
E	±2.5	
H	±3	
J	±5	
K	±10	
M	±20	
N	±30	
P	+100	-0
Q	+30	-10
T	+50	-10
U	+75	-10
V	+20	-10
W	+100	-10
X	+40	-20
Y	+150	-10
Z	+80	-20

Coil Reading



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 wounding 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	2SC945A	2SC1815	2SC1740S	
AD	NF, NG	PA, QA	Y, GR	Q, R, S	
AE	NF, NG	PA, QA, RA	O, Y, GR	Q, R, S	

(2) PNP type

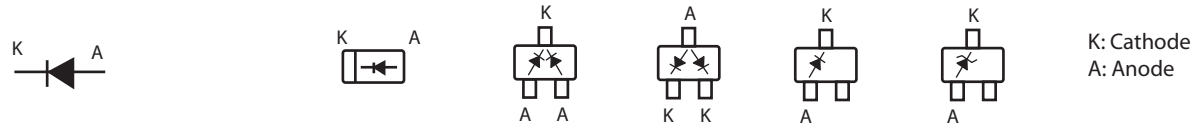
Mark	Type number				
--	2SA608	2SA564A	2SA1015	2SA933S	
AB	NF	R	Y, GR	R	
AC	NF	Q, R	O, Y, GR	Q, R	

(3) Chip type

Mark	Type number				
--	2SA1179N	2SA1037K	2SA1037AK	2SC2812/N	2SC2412K
AJ	M6, M7	R, S	R, S		
AH				L6, L7	R, S

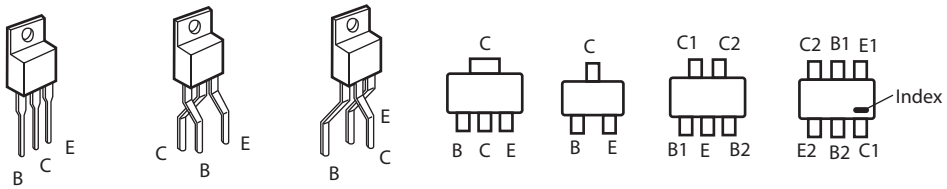
Pin description of diode, transistor and IC

● Diode



K: Cathode
A: Anode

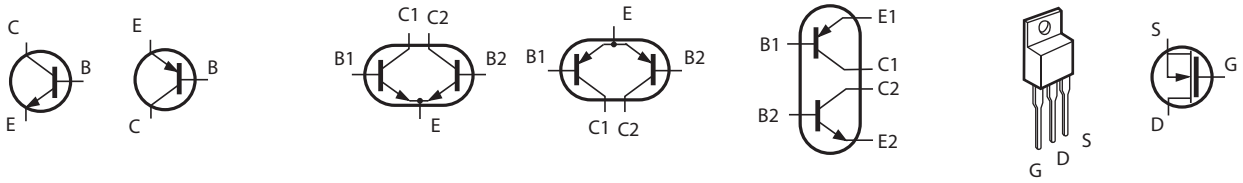
● Transistor/FET



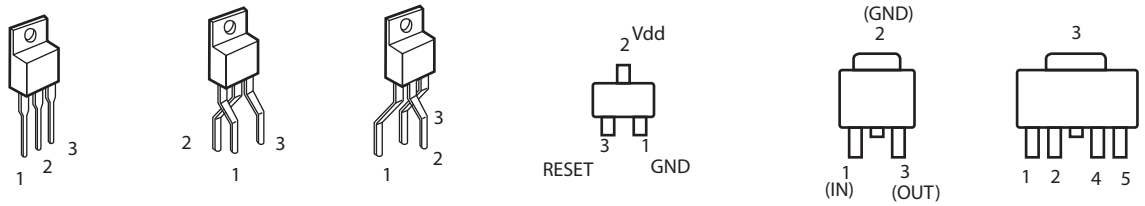
C: Collector
B: Base
E: Emitter

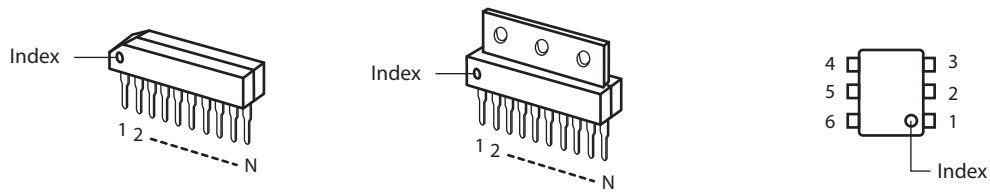
D: Drain
G: Gate
S: Source

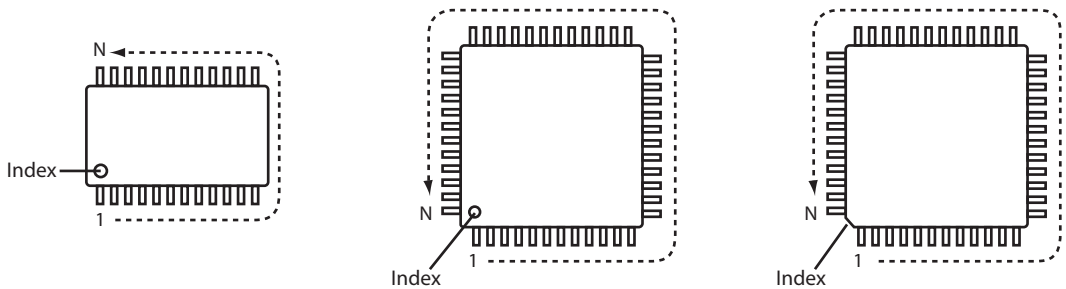
FET

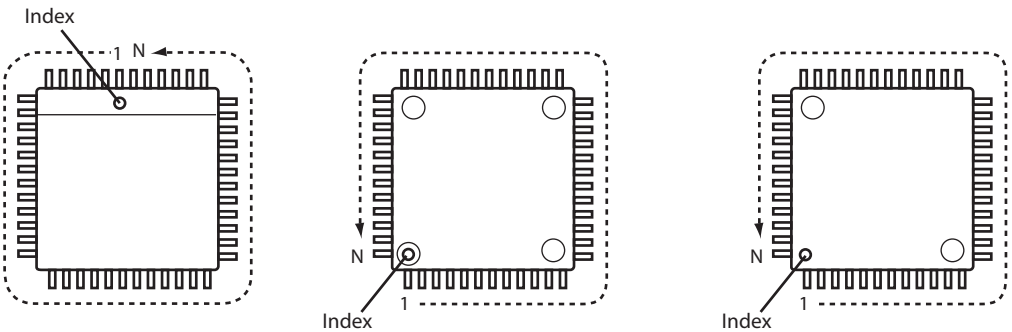


● IC









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

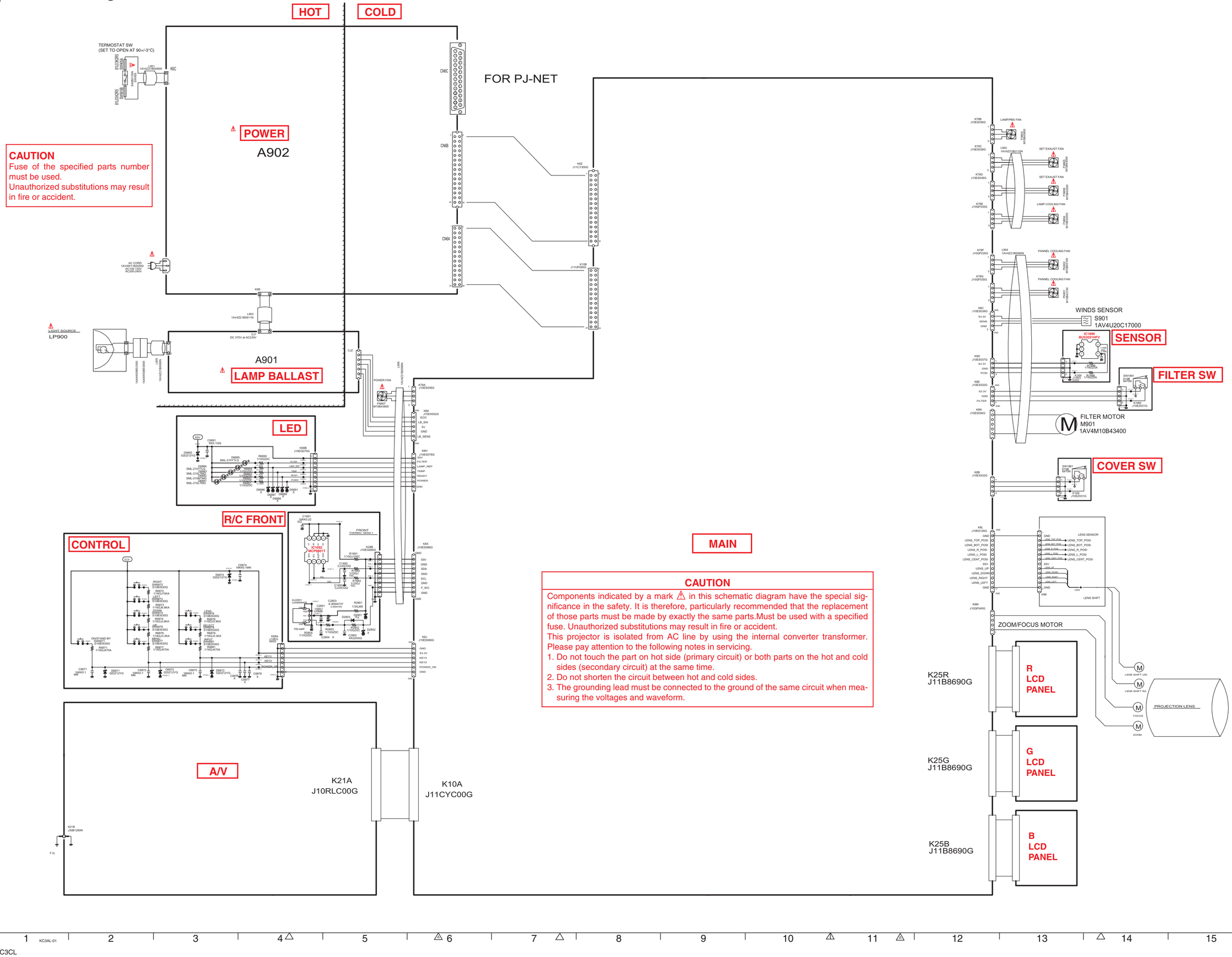
Use solder with the metal content and composition ratio by weight given in the table below. Do not use solders which do not meet these conditions.

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



INPUT1

PC-RGB
VIDEO-RGB
SCART-RGB

K11A
J11B0991N

K11B
J11B7640N

DIGITAL
(DVI-D)

DVI-D Pin Assign(SingleLink)

1:TMDS2-	9:TMDS1-	17:TMDS0-	
2:TMDS2+	10:TMDS1+	18:TMDS0+	
3:GND(TMDS2)	11:GND(TMDS1)	19:GND(TMDS0)	
4:NC(TMDS4-)	12:NC(TMDS3-)	20:NC(TMDS5-)	
5:NC(TMDS4+)	13:NC(TMDS3+)	21:NC(TMDS5+)	
6:DDC_CLK	14:Power+5V	22:GND(CLK)	
7:DDC_DATA	15:GND	23:CONNECT	
8:NC(VS)	16:HPD	24:TMDSC-	

IC1003
TC74LVX4053FT

DDC-MEMORY

IC1004
24LC21AT/SN

IC1001
AD8183ARUZ

RGB IN1/IN2-SW

TABLE3. HIGH POWER SYNC MODE SW

TRM1(TRM2)	MODE
L	NORMAL
H	HIGH POWER SYNC

TABLE1. IC1001 and IC2001 OUTPUT SW

INPUT	-IN1/IN2	-BNC/RCA
1 RGB	L	H
2 RGB	H	L
2 YCBCR	H	L
3 YCBCR	H	H

K21A
J10RLC00G

K21B FOR FLAME GRAND TERMINAL
J30B1260N

MAIN
"K10A"

INPUT2

Y/G
PB/CB/B
PR/CR/R
H
V

K12A
J11B3540N

IC2001
AD8183ARUZ

BNC/RCA-SW

INPUT3

Y
PB/CB
PR/CR

S-VIDEO

K13A
J31B08600

IC4001
AD8075ARUZ

MONITOR OUT

K14A
J11B0991N

IC4002
TC7WT241FU

TABLE6. RGBOUT OUTPUT ON/OFF SW

OUT_SW	RGBOUT
L	OFF
H	ON

CONTROL PORT

K38A
J10B0830N

USB

K38B
J11B2770N

RS-232C
DRIVER

IC3801
SP232AEN
:HIN202EIBNZ

REAR
REMOTE CONTROL

AU2802
U20B99400

R/C
JACK

K28A
J12B11102

IC2821
TLP421F

RESET

SW4701
S10B5120N

IC1002
TC4053BFT

SYNC-SW

TABLE2. IC1002 OUTPUT SW

#IN1/IN2	OUTPUT 14PIN
L	INPUT1 HS/VS
H	INPUT2 HS/VS

IC1007
AD8057ARTZ

IC1006
TC7W53FU

TABLE4. IC1006 OUTPUT SW

#IN1/IN2	OUTPUT
L	G
H	Y

IC1008
AD8057ARTZ

IC1009
AD8057ARTZ

IC1011
BA7078AF

SYNC SEP.

IC1012
SN74AHCT1G14DBVR

IC1013
SN74AHCT1G14DBVR

IC1014
BA05FP

HOLE

IC8201
AD9882KSTZ

PC A/D

IC1201
XC3S50-4TQG144C

FPGA

IC301
SCAN
CONVERTER

IC1282
TC7SZ125FU

IC8202
TC7WZ08FU

IC8203
AD8074ARUZ

IC8051
TC74LVX4053FT

IC8052
24C02CT

AV-HDCP
MEMORY

IC8061
TC74LVX4053FT

IC8062
24C01CT

PC-HDCP
MEMORY

IC8071
TC74LVX4053FT

IC8072
24LC04BT

HDCP-KEY
MEMORY

IC8041
PCA9540BDP

IC291
PQ033EZ01ZP

IC261
BA033FP

IC271
PQ033EZ01ZP

IC281
PQ033EZ01ZP

IC1281
TC7W53FU

IC1251
SI-3025LSA-TL

IC1252
SI-3010KM

"K8Z"

AV
"K21A"

SCH_KC3CL

A5

IC101
CXA2239AR

VIDEO
SELECTOR

IC104
BA09FP

IC9203
TC7W53FU

IC102
TC7W53FU

IC103
TC7SZ02FU

IC108
TC7W53FU

IC107
TC7SH04FU

IC231
SI-3018LSA

IC251
SI-3018LSA

IC9201
CXD3815Q

VIDEO DECODER
&
AV A/D

IC301
SCALER

IC9202
EDS6416AHTA

SDRAM

TO IC9201(CXD3815)

TO IC9201(CXD3815)

FROM IC101(CXA2239)

FROM IC101(CXA2239)

FROM IC5211(TC7W53FU)

FROM K10A (FROM A/V)
COMPOSIT VIDEO

FROM IC301(PW388)

VDD_RESET
ACTIVE:LOW

VIDEC_1.8V_PF
<TO IC4801 T2P>

DDR MEMORY

IC1301 EDD2516AKTA

IC1311 EDD2516AKTA

IC1321 EDD2516AKTA

IC1331 EDD2516AKTA

IC1306 PQ070XZ02ZP

IC1307 PQ070XZ02ZP

IC3251 TC74ACT541FT

IC301 PW388B

<TOP_VIEW>

IC1201 FPGA

IC1201 FPGA

IC9201 A/D

SCALER

IC4401 FPGA

IC3281 LP2995MX

<S1.25V FOR DDR>

IC3201 TC7SH04FU

IC3202 SN74AHC1G00DCKR

IC3204 SN74AHC1G00DCKR

IC3203 TC7SH04FU

IC1312 TC7SH08FU

IC1305 S29JL064H70TFI00

IC302 24LC32AT-I

IC303 TC7SH08FU

IC311 TC74LCX138FT

FLASH MEMORY

Option Resistor

CONTROL MEMORY

TO:ICE

TO:K10P

TO:DVI

PW_SYS_SW	O	CONTROL(L:Active)	PIN_AC25
VDD_RESET	O	CXD3607 RESET SIGNAL	PIN_AC26
#IN1/IN2	O	L:INPUT1 H:INPUT2	PIN_AB23
#BNC/RCA	O	L:5-BNC or Dsub H:RCA	PIN_AC22
AV_SW1	O	See the Page of AV Board	PIN_AD24
AV_SW2	O		PIN_AC23
YUV_ON	O	H:COMPOSITE L:OTHER	PIN_AE26
S_SW	I	L:S-Video IN	PIN_AC21
TRM1	O	H:Active (L:Normal)	PIN_AB25
TRM2	O		PIN_AB26
PW_EEP_WP	O	H :W r i t e P r o t e c t	PIN_AB16
PW_FLASH_WP	O	L :W r i t e P r o t e c t	PIN_AB20
DVI_HOT	O	H:DVI RESERT	PIN_AB18
DDC_WRITE	O	H:Write L:Read	PIN_AB21
DDC_SW	O	H:HDCP L:PC	PIN_AB19
KEY_WP	O	H:WP_ON L:WP_OFF	PIN_Y26
SWF_DCM_RESET	O	SWFPGA RESET SIGNAL	PIN_AA23
SWF_DCM_LOCK	O	SWFPGA LOCK SIGNAL	PIN_AA21
SWF_SIG_SEL	O	H:PJ_NET L:AD9882	PIN_AB18
NET_OUT	O		PIN_T4
M_OUT	O		PIN_U3

R3210-R3213,R3222-R3225 --> See the Part List

IC3303
SI-3010KM

IC3401
SI-3010KM

IC3451
SI-3010KM

IC3402
MSM56V16160J
;MSM56V16160F

SDRAM

IC4401
EP2C35F484C8N

DIGITAL
ENHANCER

IC4401
DIGITAL
ENHANCER

IC401
DIGITAL
GAMMA
CORRECTION

IC801
CPU

IC801
CPU

IC401
DIGITAL
GAMMA

FROM:PW

<TO:GAMMA>

FROM:NIOS

KC3AL-06

A8

SCH_KC3CL

IC1451
SI-3025LSA

IC1452
SI-3018LSA

IC4401
DIGITAL
ENHANCER

IC401
CXD3540AGB
DIGITAL GAMMA

<TOP_VIEW>

IC501
CXA7007AR
R-S/H

IC531
CXA7007AR
G-S/H

IC561
CXA7007AR
B-S/H

IC1501
CXA7007AR
R-S/H

IC1531
CXA7007AR
G-S/H

IC1561
CXA7007AR
B-S/H

IC592
PQ20WZ11

IC1401
TC7WBL125AFK

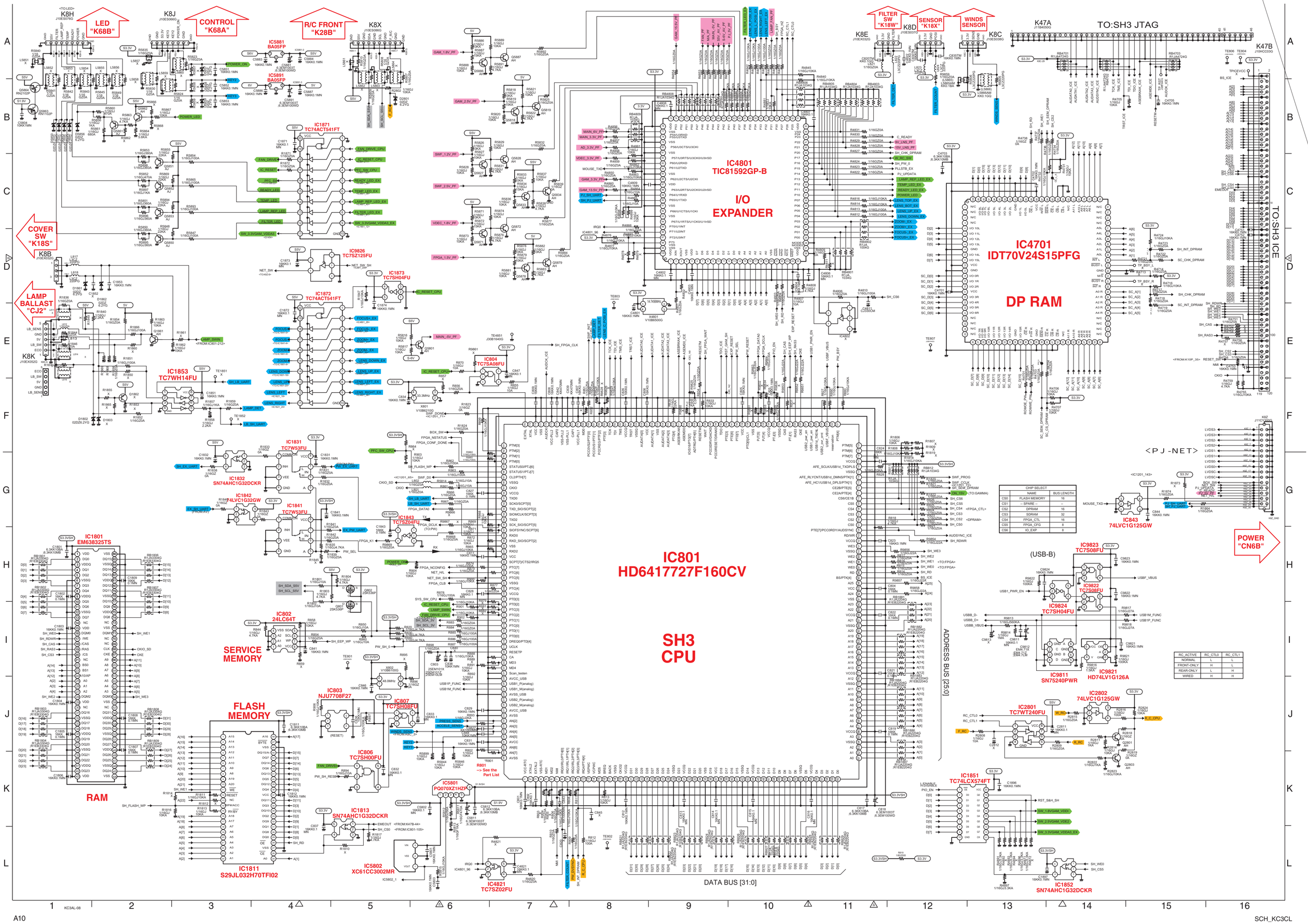
IC4409
TC7WBL125AFK

RED
LCD
PANEL

GREEN
LCD
PANEL

BLUE
LCD
PANEL

TP503
TP501
TP533
TP531
TP563
TP561


K8H
J10ES076G
LED
"K68B"
K8J
J10ES066G
CONTROL
"K68A"
R/C FRONT
"K28B"
K8X
J10ES036G
FILTER SW
"K18W"
K8E
J10E303Z0
K8D
J10E303Y0
SENSOR
"K18X"
WINDS SENSOR
K8C
J10ES038G
K47A
J11B4050G
TO:SH3 JTAG
K47B
J10HCC03G
COVER
SW
"K18S"
K8B
J10EX032G
LAMP
BALLAST
"CJ2"
K8K
J10EX052G
IC1871
TC74ACT541FT
IC1872
TC74ACT541FT
IC1873
TC7SH04FU
IC1853
TC7WH14FU
IC1831
TC7W53FU
IC1841
TC7W53FU
IC1832
SN74AHC1G32DCKR
IC1842
74LVC1G32GW
IC5881
BA05FP
IC5891
BA05FP
IC4801
TIC81592GP-B
I/O
EXPANDER
IC4701
IDT70V24S15PFG
DP RAM
IC801
HD6417727F160CV
SH3
CPU
IC1801
EM638325TS
RAM
IC802
24LC64T
SERVICE
MEMORY
IC803
NJU7708F27
IC807
TC7SH08FU
IC806
TC7SH00FU
IC1811
S29JL032H70TFI02
FLASH
MEMORY
IC1813
SN74AHC1G32DCKR
IC5802
XC61CC3002MR
IC4821
TC7SZ02FU
IC804
TC7SA08FU
IC5801
PQ070XZ1HZF
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TC7SZ04FU
IC9826
TC7SZ125FU
IC1851
TC74LCX574FT
IC1852
SN74AHC1G32DCKR
IC2801
TC7WT240FU
IC2802
74LVC1G125GW
IC9823
TC7S08FU
IC9822
TC7S08FU
IC9824
TC7SH04FU
IC9811
SN75240PWR
IC9821
HD74LV1G126A
IC843
74LVC1G125GW
POWER
"CN6B"
<PJ-NET>
TO:SH3 ICE
ADDRESS BUS [25:0]
DATA BUS [31:0]
(USB-B)
FILTER_RDY
FILTER_CHOKE
WINDS_DET
CHIP SELECT
NAME
BUS LENGTH
CS0
FLASH MEMORY
16
CS1
– SPARE –
–
CS2
DPRAM
16
CS3
SDRAM
32
CS4
FPGA_CTL
16
CS5
FPGA_CFG
8
CS6
IO_EXP
8
RC_ACTIVE
RC_CTL0
RC_CTL1
NORMAL
L
L
FRONT-ONLY
H
L
REAR-ONLY
L
H
WIRED
H
H

POWER
"CN6A"

TEMP-SENSOR
(PANNEL)

TEMP-SENSOR
(LAMP)

IC1814
MCP9801T-M

IC1816
MCP9801T-M

PRESSURE-SENSOR

IC4811
MPXHZ6115A6T1

IC6541
TC74LCX541FT

LENS SHIFT UP/DOWN

IC6501
BA6920FP

IC6521
BA6920FP

LENS
LENS BASE NET "K9K"

LENS SHIFT LEFT/RIGHT

IC5501
BA6287F

IC5521
BA6287F

ZOOM /FOCUS MOTOR

FILTER MOTOR

IC5542
BAJ2CC0FP

IC5541
NJM2671E2

FILTER

ACCELERATION-SENSOR

IC1881
NXA3500EL

IC1882
NXA3500EL

IC1883
PCF8591T

A/D,D/A
CONVERTER

IC6606
FA7701V

IC6609
XC6365D103MR

IC6608
NJU7708F27

IC7701
FA7701V

IC7721
FA7701V

IC7741
FA7701V

IC7821
FA7701V

IC7841
FA7701V

IC7861
FA7701V

DAC

IC7801
M62393FP

IC7802
TC7S08FU

FN904

FN902

FN901

FN907

FN903

FN905

FN906

NO DATA

Printed Wiring Board Diagrams

⚠ CAUTION

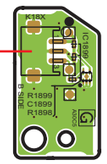
This projector is isolated from AC line by using the internal converter transformer.
Please pay attention to the following notes in servicing

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.

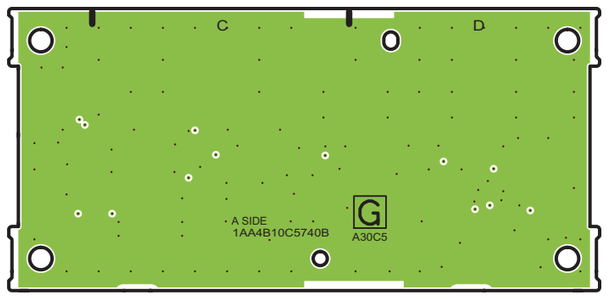
SENSOR (SIDE:A)

SENSOR (SIDE:B)

MAIN
"K8D"

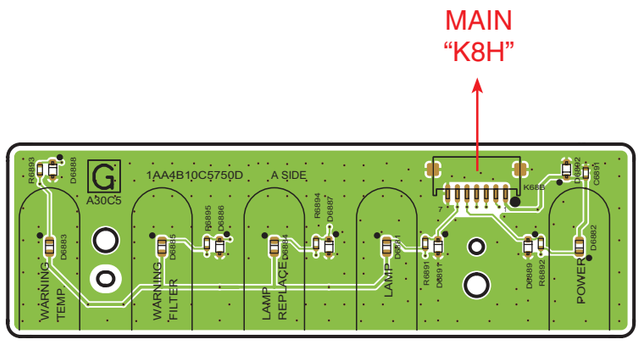


CONTROL (SIDE:A)



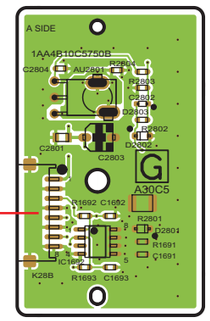
LED (SIDE:A)

MAIN
"K8H"

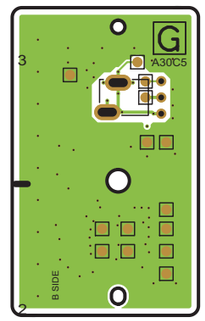


R/C FRONT (SIDE:A)

MAIN
"K8X"

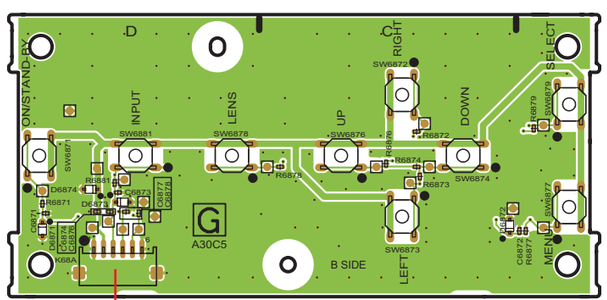


R/C FRONT (SIDE:B)

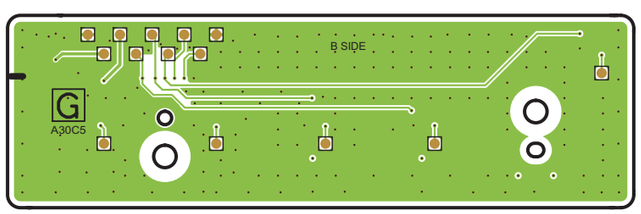


CONTROL (SIDE:B)

MAIN
"K8J"

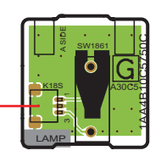


LED (SIDE:B)

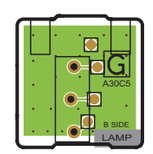


COVER SW (SIDE:A)

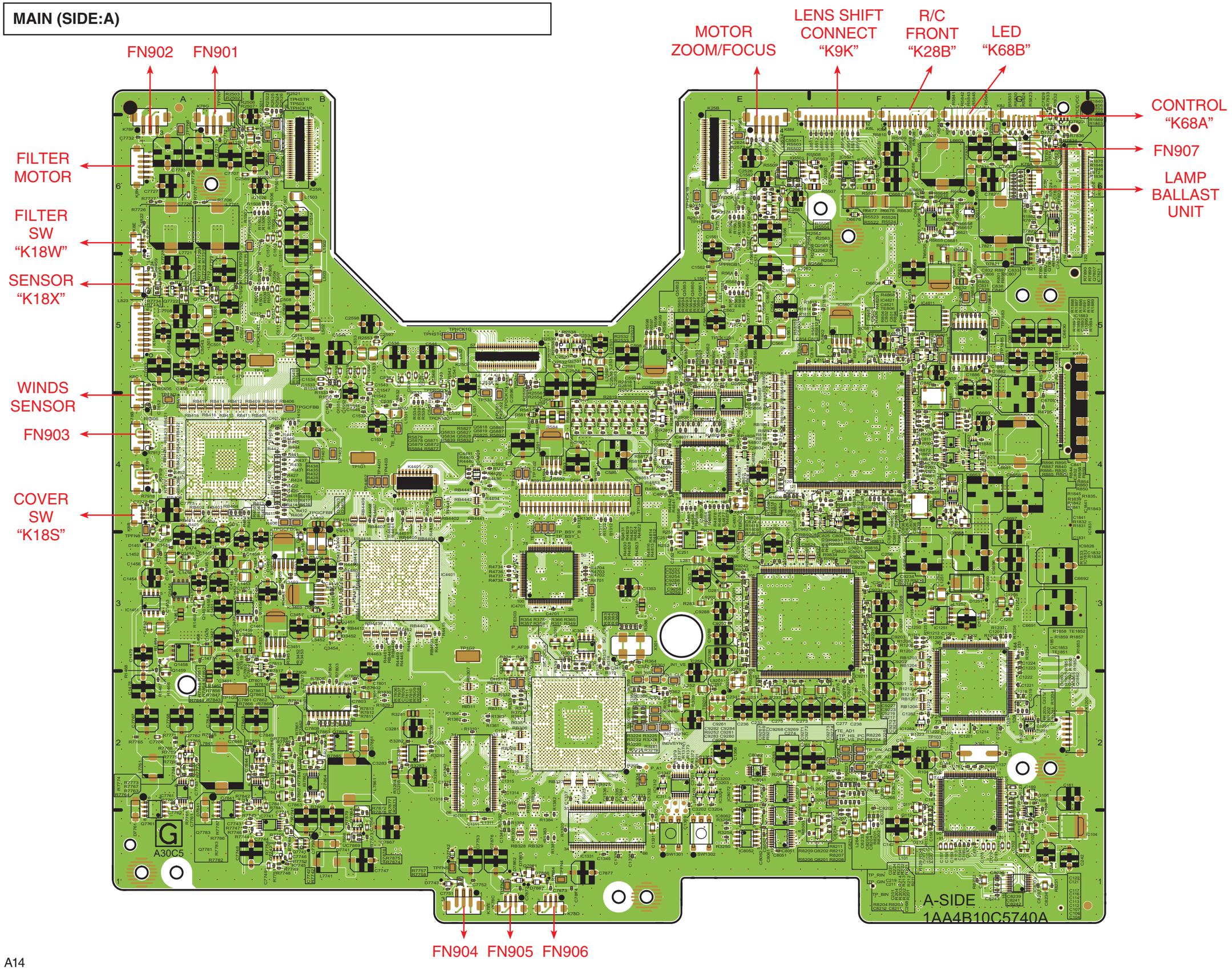
MAIN
"K8B"



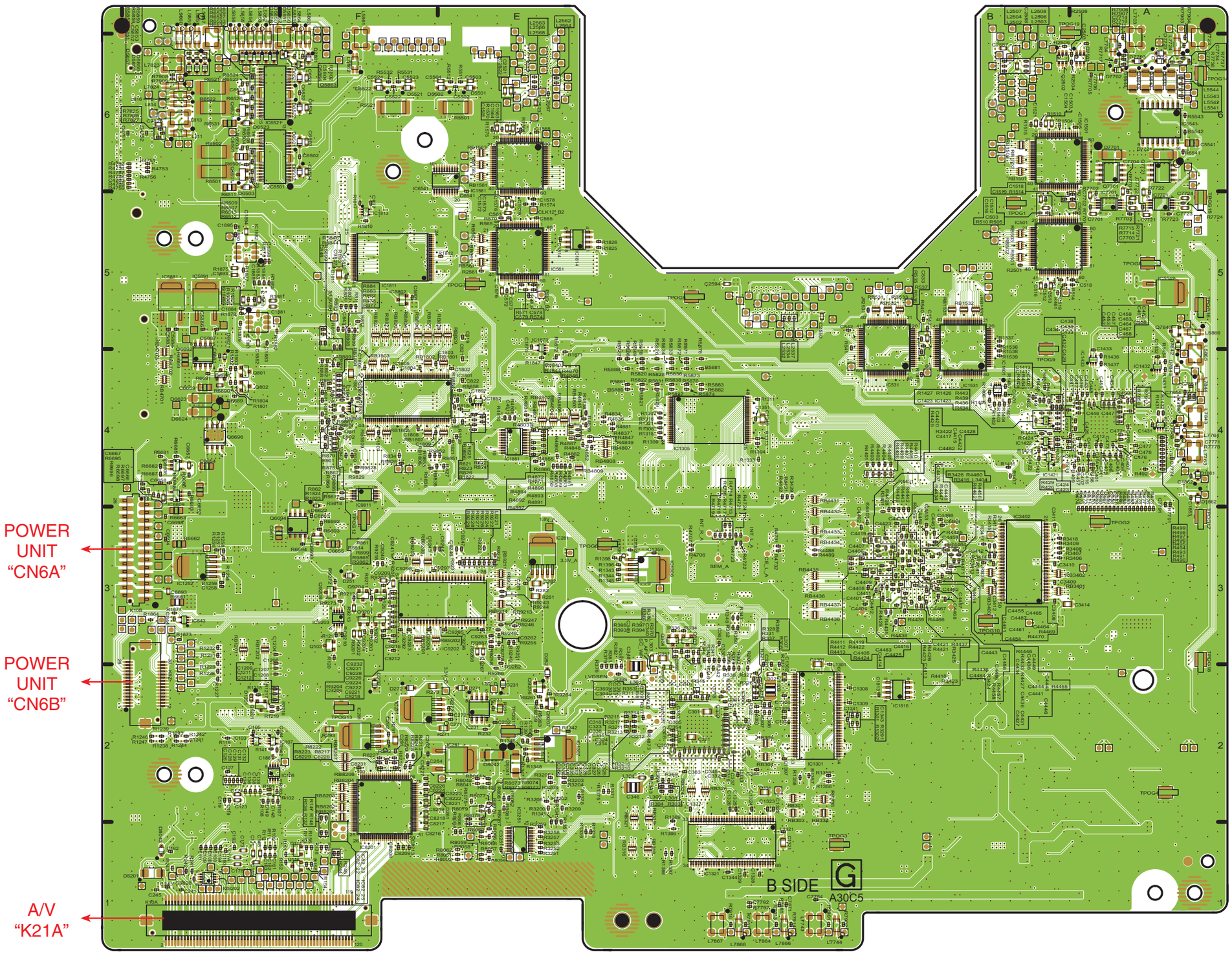
COVER SW (SIDE:B)



MAIN (SIDE:A)

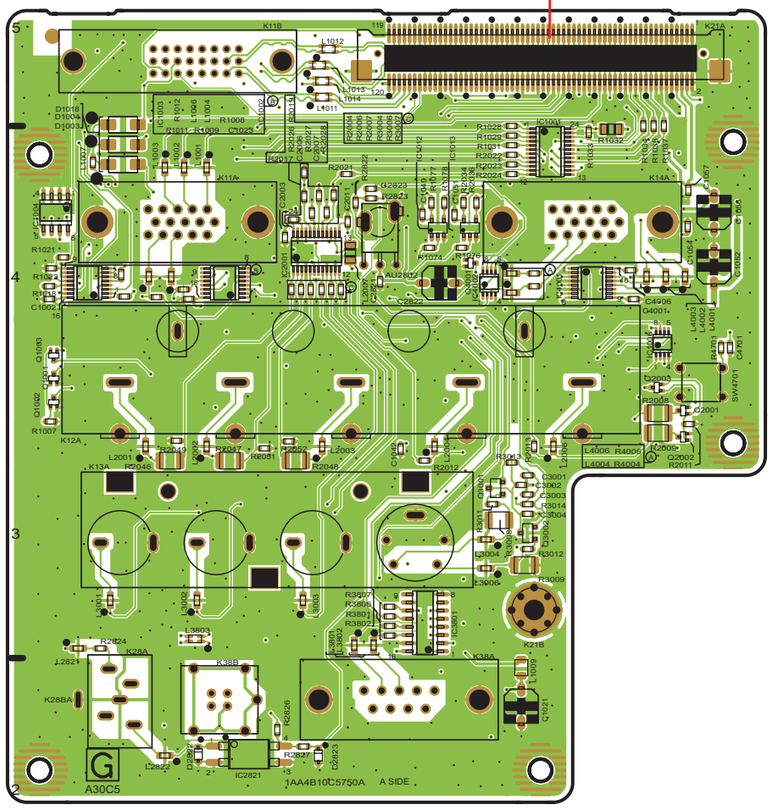

FN902
FN901
MOTOR ZOOM/FOCUS
LENS SHIFT CONNECT "K9K"
R/C FRONT "K28B"
LED "K68B"
CONTROL "K68A"
FN907
LAMP BALLAST UNIT
FILTER MOTOR
FILTER SW "K18W"
SENSOR "K18X"
WINDS SENSOR
FN903
COVER SW "K18S"
FN904
FN905
FN906
A30C5
A-SIDE
1AA4B10C5740A

MAIN (SIDE:B)

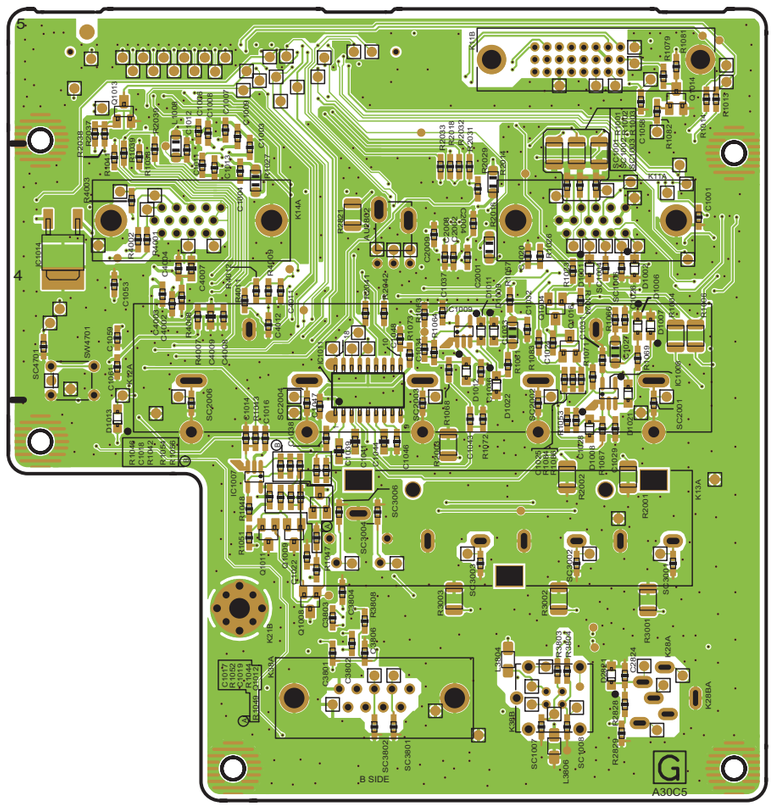


A/V (SIDE:A)

MAIN
“K10A”

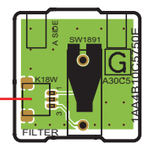


A/V (SIDE:B)



FILTER SW (SIDE:A)

MAIN
“K8E”



FILTER SW (SIDE:B)