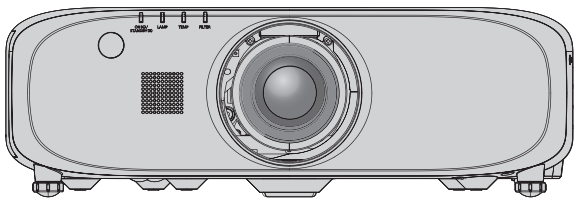
ORDER NO. VED1311485CE
D10

Service Manual

LCD Projector



Model No.

PT-EZ770Z
PT-EZ770ZL
PT-EZ770ZD
PT-EZ770ZLD
PT-EZ770T
PT-EZ770TL
PT-EW730Z
PT-EW730ZL
PT-EW730ZD
PT-EW730ZLD
PT-EW730T
PT-EW730TL
PT-EX800Z
PT-EX800ZL
PT-EX800ZD
PT-EX800ZLD
PT-EX800T
PT-EX800TL

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Rev.-11 (2017-10)

PREFACE

The service technician is required to read and follow the “Safety Precautions” and “Important Safety Notice” in this service manual.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It dose not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

WARNING : Use UV Radiation eye and skin protection during servicing

CAUTION

Precaution

Never use this projector at an altitude of 2 700m or higher.
Using this projector at high altitude, consult your dealer or Authorized Service Center about preparations.

About lead free solder (PbF)

This projector is using the P.C.Board which applies lead free solder.
Use lead free solder in servicing from the standpoint of antipollution for the global environment.
Notes:

- Lead free solder: Sn-Ag-Cu (tin, silver and copper) has a higher melting point (approx. 217°C) than standard solder Typically the melting point is 30~40 °C higher. When servicing, use a high temperature soldering iron with temperature limitation function and set it to 370 ± 10 °C.
- Be precautious about lead free solder. Sn-Ag-Cu (tin, silver and copper) will tend to splash when heated too high (approx. 600°C or higher).
- Use lead free solder for the P.C.Board (specified on it as “PbF”) which uses lead free solder. (When you unavoidably use lead solder, use lead solder after removing lead free solder. Or be sure to heat the lead free solder until it melts completely, before applying lead solder.)
- After solder to double layered P.C Boards, check the component side for excess solder which may flow onto the opposite side.

About the identification of the lead free solder P.C.Board.
For the P.C.Board which applies lead free solder, the symbol as shown in the figure below is printed or stamped on the surface or the back of P.C.Board.

PbF

For US

IMPORTANT SAFETY NOTICE

There are special parts used in Panasonic Projectors which are important for safety. These parts are shaded on the schematic diagram. It is essential that these critical parts should be replaced with manufacturer’s specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of PANASONIC SOLUTIONS COMPANY.

WARNING:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment dose cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, The user is encouraged to try to correct the interference by one or more of the following measures.

CAUTION:

Any unauthorized changes or modifications to this equipment will void the user’s authority to operate this device.

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<Cable reforming>

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1. Safety Precautions

1.1. General Guidelines

- For continued safety, no modification of any circuit must be attempted.
- Unplug the power cord from the power outlet before disassembling this projector.
- Use correctly the supplied power cord and must ground it.
- It is advisable to use an isolation transformer in the AC power line before the service.
- Be careful not to touch the rotation part (cooling fan, etc.) of this projector when you service with the upper case removed and the power supply turned ON.
- Observe the original lead dress during the service. If a short circuit is found, replace all the parts overheated or damaged by the short circuit.
- After the service, all the protective devices such as insulation barriers, insulation papers, shields, and isolation R-C combinations must be properly installed.
- After the service, check the leakage current to prevent the customer from getting an electric shock.

1.2. Leakage Current Check

1. Prepare the measuring circuit as shown in Fig.1.
   Be sure to use a voltmeter having the performance described in Table 1.
2. Assemble the circuit as shown in Fig. 2. Plug the power cord in a power outlet.
3. Connect M1 to T1 according to Fig. 2 and measure the voltage.
4. Change the connection of M1 from T1 to T2 and measure the voltage again.
5. The voltmeter must read 0.375 V or lower in both of steps 3 and 4. This means that the current must be 0.75mA or less.
6. If the reading is out of the above standard, the projector must be repaired and rechecked before returning to the customer because of a possibility of an electric shock.

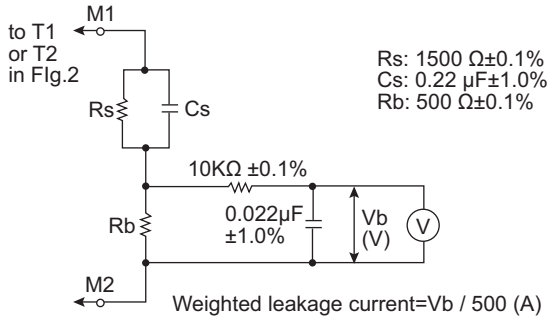

Fig. 1

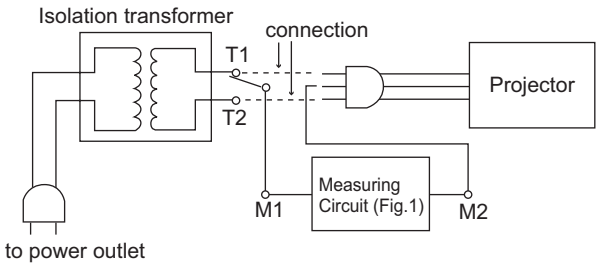

Fig.2

	Performance
Voltmeter (rms reading)	Accurancy: ≤ 2% Input resistance: ≥ 1 MΩ Input capacitance: ≤ 200 pF Frequency range: 15 Hz to 1 MHz

Table. 2

1.3. UV Precaution and UHM Lamp Precautions

- Be sure to unplug the power cord from the power outlet when replacing the lamp.
- Because the lamp reaches a very high temperature during its operation, wait until it cools completely when replacing the Lamp Unit.
- The lamp emits small amounts of UV-radiation, avoid direct-eye contact with the light.
- The lamp unit has high internal pressure. If improperly handled, explosion might result.
- Because the high pressure lamp involves a risk of failure, never touch the lamp wire lead during the service.

2. Specifications

Power supply		AC 100 V - 240 V, 50 Hz/60 Hz	
Power consumption		PT-EZ770Z	590 W (6.7 A - 2.5 A)
		PT-EW730Z, PT-EX800Z	575 W (6.5 A - 2.4 A)
		0.3 W when [STANDBY MODE] is set to [ECO] 10 W when [STANDBY MODE] is set to [NORMAL] 37 W when [IN STANDBY MODE] in [AUDIO SETTING] is set to [ON]	
LCD panel	**Size**	**PT-EZ770Z**	1.9 cm (0.76") (aspect ratio 16:10)
		PT-EW730Z	1.9 cm (0.76") (aspect ratio 16:10)
		PT-EX800Z	2.0 cm (0.79") (aspect ratio 4:3)
	Display system	Translucent screen LCD panel 3 panels, 3 primary color system	
	Drive system	Active matrix	
	Number of pixels	**PT-EZ770Z**	2 304 000 pixels (1 920 x 1 200 dots) x 3 panels
		PT-EW730Z	1 024 000 pixels (1 280 x 800 dots) x 3 panels
		PT-EX800Z	786 432 pixels (1 024 x 768 dots) x 3 panels
Lens[*1]	**Electric zoom**	1.7 - 2.8:1	
	Electric focus	F = 1.7 - 2.3 f = 26.9 mm - 45.4 mm	
Luminous lamp		400 W, UHM lamp	
Light output[*2][*3]		**PT-EZ770Z**	6 500 lm
		PT-EW730Z	7 000 lm
		PT-EX800Z	7 500 lm
Contrast ratio[*3]		5 000:1 (when [IRIS] is set to [ON], and [LAMP POWER] is set to [AUTO])	
Color system		7 standards (NTSC/NTSC4.43/PAL/PAL-N/PAL-M/SECAM/PAL60)	
Projected image size		1.02 m (40") - 10.16 m (400")	
Screen aspect ratio		**PT-EZ770Z, PT-EW730Z**	16:10
		PT-EX800Z	4:3
Projection method		[FRONT/CEILING], [FRONT/FLOOR], [REAR/CEILING], [REAR/FLOOR]	
Speaker		3.7 cm, round, x 1	
Max. effective audio output		10 W (monaural)	
Power cord length		3.0 m (118-1/8")	
Outer case		Molded plastic	
Dimensions	**Width**	530 mm (20-7/8")	
	Height	177 mm (6-31/32") (with legs at shortest position)	
	Depth	**PT-EZ770Z, PT-EW730Z, PT-EX800Z**	445 mm (17-17/32") (including standard zoom lens)
		PT-EZ770ZL, PT-EW730ZL, PT-EX800ZL	385 mm (15-5/32") (excluding optional lens)
Weight		**PT-EZ770Z, PT-EW730Z, PT-EX800Z**	Approx. 10.6 kg (23.4 lbs.)[*4] (including standard zoom lens)
		PT-EZ770ZL, PT-EW730ZL, PT-EX800ZL	Approx. 9.8 kg (21.6 lbs.)[*4] (excluding optional lens)
Noise level[*3]		37 dB when [LAMP POWER] is set to [NORMAL] 31 dB when [LAMP POWER] is set to [ECO1] 29 dB when [LAMP POWER] is set to [ECO2]	

*1 For PT-EZ770ZL, PT-EW730ZL, PT-EX800ZL, the lens is sold separately.
*2 Value is for the supplied standard zoom lens. The value varies depending on the lens.
*3 Measurement, measuring conditions and method of notation all comply with ISO21118 international standards.
*4 Average value. Weight varies for each product.

Operating environment	**Operating environment temperature**[*1]	0 °C (32 °F) - 45 °C (113 °F)
	Operating environment humidity	10 % - 80 % (No condensation)
Remote control	**Power supply**	DC 3 V (AAA/R03/LR03 battery x 2)
	Operating range	Within approx. 30 m (98'5") (when operated directly in front of signal receiver)
	Weight	102 g (3.6 ozs.) (including batteries)
	Dimensions	Width: 48 mm (1-7/8"), Height: 145 mm (5-23/32"), Depth: 27 mm (1-1/16")

*1 When using the projector at high altitudes (between 1 400 m (4 593') and 2 700 m (8 858') above sea level), the operating environment temperature should be between 0 °C (32 °F) and 40 °C (104 °F).
If the [PROJECTOR SETUP] menu → [ECO MANAGEMENT] → [LAMP POWER] is set to [AUTO] or [NORMAL], [LAMP POWER] may be set to [ECO2] forcibly to protect the projector when the operating environment temperature becomes 40 °C (104 °F) or higher (35 °C (95 °F) or higher when using the projector at high altitudes).

■ Applicable scanning frequency

Refer to “List of compatible signals” (➡ page 148) for the types of video signals that can be used with the projector.

For video signal	Horizontal: 15.75 kHz/15.63 kHz, Vertical: 50 Hz/60 Hz
For Y/C signal	Horizontal: 15.75 kHz/15.63 kHz, Vertical: 50 Hz/60 Hz
For RGB signal	Horizontal: 15 kHz - 100 kHz, Vertical: 24 Hz - 120 Hz PIAS (Panasonic Intelligent Auto Scanning) system
	• Dot clock frequency: 162 MHz or less
For YC_BC_R/YP_BP_R signal	• 525i (480i) Horizontal: 15.75 kHz, Vertical: 60 Hz • 525p (480p) Horizontal: 31.5 kHz, Vertical: 60 Hz • 750 (720)/60p Horizontal: 45 kHz, Vertical: 60 Hz • 1125 (1035)/60i Horizontal: 33.75 kHz, Vertical: 60 Hz • 1125 (1080)/50i Horizontal: 28.13 kHz, Vertical: 50 Hz • 1125 (1080)/24sF Horizontal: 27 kHz, Vertical: 48 Hz • 1125 (1080)/30p Horizontal: 33.75 kHz, Vertical: 30 Hz • 1125 (1080)/50p Horizontal: 56.25 kHz, Vertical: 50 Hz • 625i (576i) Horizontal: 15.63 kHz, Vertical: 50 Hz • 625p (576p) Horizontal: 31.25 kHz, Vertical: 50 Hz • 750 (720)/50p Horizontal: 37.5 kHz, Vertical: 50 Hz • 1125 (1080)/60i Horizontal: 33.75 kHz, Vertical: 60 Hz • 1125 (1080)/24p Horizontal: 27 kHz, Vertical: 24 Hz • 1125 (1080)/25p Horizontal: 28.13 kHz, Vertical: 25 Hz • 1125 (1080)/60p Horizontal: 67.5 kHz, Vertical: 60 Hz • The SYNC/HD and VD terminals do not support 3 value SYNC.
For DVI-D signal	525i (480i)[*1], 625i (576i)[*1], 525p (480p), 625p (576p), 750 (720)/60p, 750 (720)/50p, 1125 (1080)/60i, 1125 (1080)/50i, 1125 (1080)/24p, 1125 (1080)/24sF, 1125 (1080)/25p, 1125 (1080)/30p, 1125 (1080)/60p, 1125 (1080)/50p
	• Displayable resolution: VGA - WUXGA (non-interlaced) • Dot clock frequency: 25 MHz - 162 MHz
For HDMI signal	525i (480i)[*1], 625i (576i)[*1], 525p (480p), 625p (576p), 750 (720)/60p, 750 (720)/50p, 1125 (1080)/60i, 1125 (1080)/50i, 1125 (1080)/24p, 1125 (1080)/24sF, 1125 (1080)/25p, 1125 (1080)/30p, 1125 (1080)/60p, 1125 (1080)/50p
	• Displayable resolution: VGA - WUXGA (non-interlaced) • Dot clock frequency: 25 MHz - 162 MHz
For DisplayPort signal	525p (480p), 625p (576p), 750 (720)/60p, 750 (720)/50p, 1125 (1080)/60i, 1125 (1080)/50i, 1125 (1080)/24p, 1125 (1080)/24sF, 1125 (1080)/25p, 1125 (1080)/30p, 1125 (1080)/60p, 1125 (1080)/50p
	• Displayable resolution: VGA - WUXGA (non-interlaced) • Dot clock frequency: 25 MHz - 162 MHz

*1 Pixel-Repetition signal (dot clock frequency 27.0 MHz) only

■ Terminal

<RGB 1 IN> terminal	1 set, high-density D-Sub 15 p (female)		
	RGB signal	0.7 V [p-p] 75 Ω (SYNC ON GREEN: 1.0 V [p-p] 75 Ω)	
		SYNC/HD	TTL high impedance, automatic positive/negative polarity compatible
		VD	TTL high impedance, automatic positive/negative polarity compatible
	YP_BP_R signal	Y: 1.0 V [p-p] including synchronization signal, P_BP_R: 0.7 V [p-p] 75 Ω	
<RGB 2 IN> terminal	1 set (BNC x 5 (RGB/YP_BP_R/YC_BC_R/YC/VIDEO x 1))		
	RGB signal	0.7 V [p-p] 75 Ω (SYNC ON GREEN: 1.0 V [p-p] 75 Ω)	
		SYNC/HD	TTL high impedance, automatic positive/negative polarity compatible
		VD	TTL high impedance, automatic positive/negative polarity compatible
	YP_BP_R signal	Y: 1.0 V [p-p] including synchronization signal, P_BP_R: 0.7 V [p-p] 75 Ω	
	Y/C signal	Y: 1.0 V [p-p], C: 0.286 V [p-p] 75 Ω	
	Video signal	Y: 1.0 V [p-p] 75 Ω	
<MONITOR OUT> terminal	1 set, high-density D-Sub 15 p (female)		
	RGB signal	0.7 V [p-p] 75 Ω (SYNC ON GREEN: 1.0 V [p-p] 75 Ω)	
		SYNC/HD	TTL high impedance, positive/negative polarity
		VD	TTL high impedance, positive/negative polarity
	YP_BP_R signal	Y: 1.0 V [p-p] including synchronization signal, P_BP_R: 0.7 V [p-p] 75 Ω	
<DVI-D IN> terminal	1 set, DVI-D 24 p, single link, DVI 1.0 compliant, HDCP compatible		
<HDMI IN> terminal	1 set, HDMI 19 pin, HDCP compatible, Deep Color compatible		
	Audio signal	Linear PCM (Sampling frequency: 48 kHz/44.1 kHz/32 kHz)	
<VIDEO IN> terminal	1 set, pin jack 1.0 V [p-p] 75 Ω		
<DisplayPort IN> terminal	1 set, DisplayPort 20 pin, HDCP compatible		
	Audio signal	Linear PCM (Sampling frequency: 48 kHz/44.1 kHz/32 kHz)	
<AUDIO IN 1>/<AUDIO IN 2> terminals	1 set each, M3 stereo mini jack 0.5 V [rms], input impedance 22 kΩ or more		
<AUDIO IN 3> terminal	1 set, pin jack x 2 (L-R) 0.5 V [rms], input impedance 22 kΩ or more		
<VARIABLE AUDIO OUT> terminal	1 set, M3 stereo mini jack (monitor output, stereo compatible) 0 V [rms] to 2.0 V [rms] (variable), output impedance 2.2 kΩ or less		
<SERIAL IN> terminal	D-Sub 9 p, 1 set, RS-232C compliant, for computer control		
<REMOTE 1 IN> terminal	M3 stereo mini jack cable, 1 set, for remote control (wired)		
<REMOTE 2 IN> terminal	1 set, D-Sub 9 p, for external control		
<DIGITAL LINK/LAN> terminal	1 set, RJ-45, for network, DIGITAL LINK connection, PJLink compatible, 100Base-TX		

Note

- The model numbers of accessories and optional accessories are subject to change without prior notice.

Service Information

Model No. **PT-EZ770Z / PT-EZ770ZL**
PT-EW730Z / PT-EW730ZL
PT-EX800Z /EX800ZL

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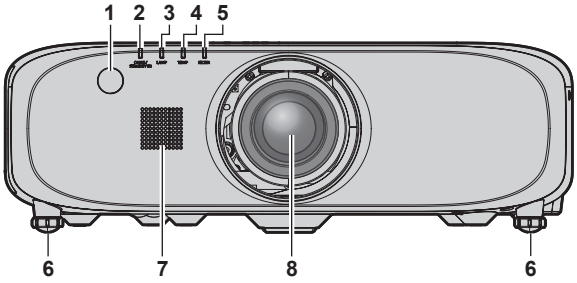
(2014-04)

1. The name of each part

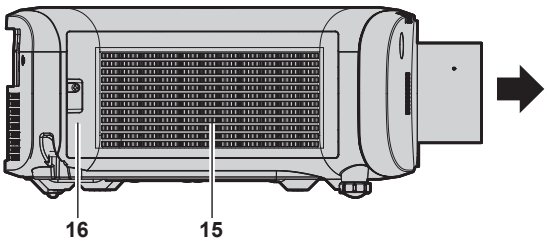
1.1 Projector body

Some of the pages on this section are excerpted from the owner's manual, thus the reference page numbers on pages indicate those for owner's manual .

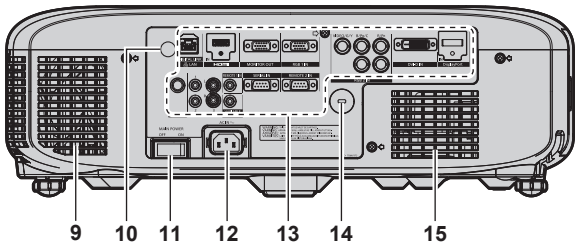
■ Front

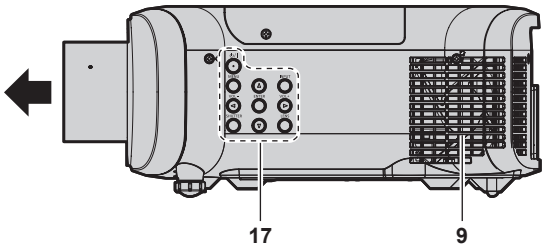


■ Side



■ Rear





: Projection direction

WARNING

Keep your hands and other objects away from the air exhaust port.

- Keep your hands and face away.
- Do not insert your fingers.
- Keep heat-sensitive objects away.

Heated air from the air exhaust port can cause burns, injury, or deformations.

1 Remote control signal receiver (front)

2 Power indicator <ON (G)/STANDBY (R)>
Displays the status of the power.

3 Lamp indicator <LAMP>
You can display the status of the lamp.

4 Temperature indicator <TEMP>
Displays the status of the internal temperature.

5 Filter indicator <FILTER>
Displays the status of the air filter unit.

6 Adjustable feet
Adjusts the projection angle.

7 Speaker

8 Projection Lens
(Only models with lens)

9 Air exhaust port

10 Remote control signal receiver (rear)

11 <MAIN POWER> switch
Turns off/on the main power.

12 <AC IN> terminal
Connect the supplied power cord.

13 Connecting terminals (➡ page 29)

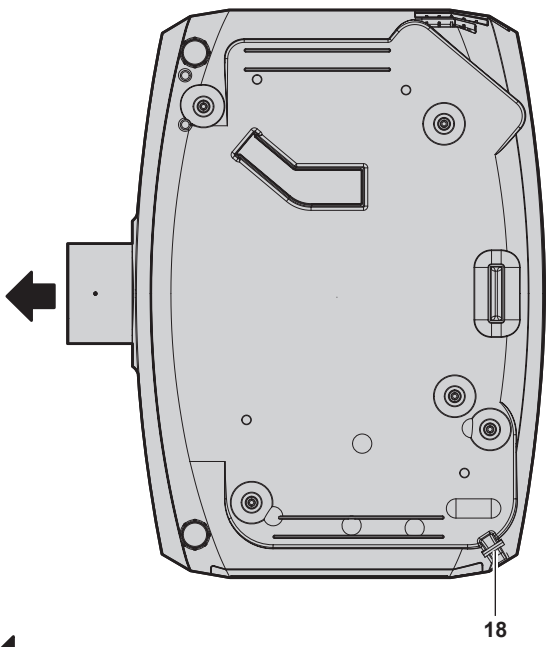
14 Security slot
This security slot is compatible with the Kensington security cables.

15 Air intake port

16 Air filter cover
The air filter unit is inside.

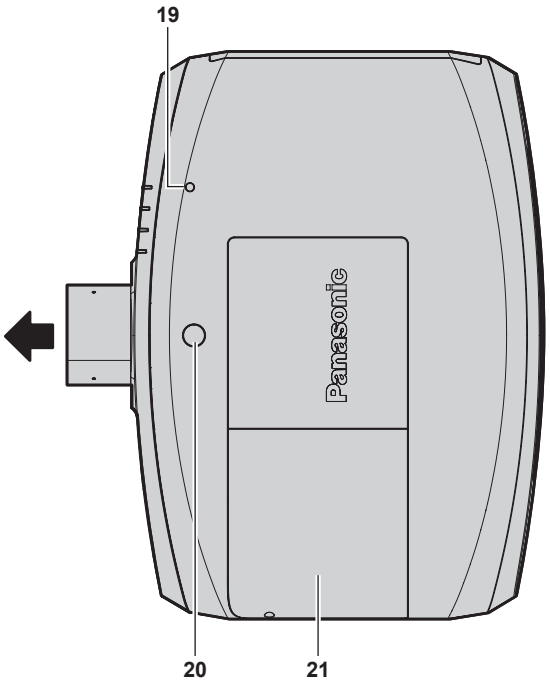
17 Control panel (➡ page 28)

■ **Bottom**



: Projection direction

■ **Top**



18 Burglar hook port
Attaches a burglar prevention cable, etc.

19 Luminance sensor (➡ page 68)

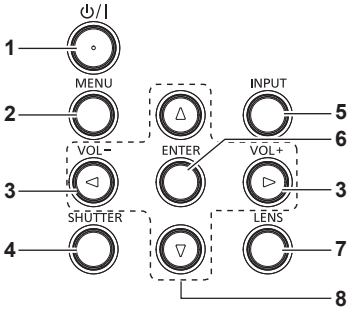
20 Lens release button

21 Lamp cover
The lamp unit is inside.

Attention

- Do not block the ventilation ports (intake and exhaust) of the projector.

1.2 Control panel



1 Power standby <⏻/|> button
Sets the projector to the state where the projector is switched off (standby mode) when the <MAIN POWER> switch on the projector is set to <ON> and in the projection mode. Also starts projection when the power is switched off (standby mode).

2 <MENU> button
Displays or hides the main menu. (➡ page 59)
Returns to the previous menu when a sub-menu is displayed.
If you press the <MENU> button on the control panel for at least three seconds while the on-screen display is off (hidden), the on-screen display is turned on.

3 <VOL–> button/<VOL+> button
Adjusts the volume of audio output. (➡ page 54)

4 <SHUTTER> button
Used when temporarily turning off the image and audio. (➡ page 53)

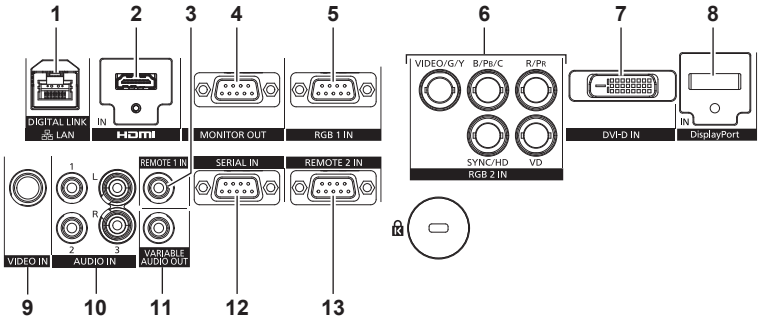
5 <INPUT> button
Switches the input signal to project. (➡ page 53)

6 <ENTER> button
Determines and executes an item in the menu screen.

7 <LENS> button
Adjusts the focus, zoom, and shift (position) of the lens.

8 ▲▼◀▶ buttons
Used to select items in the menu screen, change settings, and adjust levels.
Also used to enter a password in [SECURITY] or enter characters.

1.3 Connecting terminals



1 <DIGITAL LINK/LAN> terminal
This is the LAN terminal to connect to the network. This is also used when connecting a device for transmitting video and audio signals via the LAN terminal.

2 <HDMI IN> terminal
This is the terminal to input HDMI signals.

3 <REMOTE 1 IN> terminal
This is the terminal to connect to the remote control by cable when controlling the projector by wired remote control.

4 <MONITOR OUT> terminal
This is the terminal to output analog RGB signals and YC_BC_R/YP_BP_R signals that were input to the <RGB 1 IN> or <RGB 2 IN> terminal to an external device. When the input is switched to RGB1 or RGB2, the corresponding signals are output.

5 <RGB 1 IN> terminal
This is the terminal to input RGB signals or YC_BC_R/YP_BP_R signals.

6 <RGB 2 IN> (<R/P_R>, <VIDEO/G/Y>, <B/P_B/C>, <SYNC/HD>, <VD>) terminal
This is the terminal to input RGB signals or YC_BC_R/YP_BP_R signals, Y/C signals, and video signals.

7 <DVI-D IN> terminal
This is the terminal to input DVI-D signals.

8 <DisplayPort IN> terminal
This is the terminal to input DisplayPort signals.

9 <VIDEO IN> terminal
This is the terminal to input video signals.

10 <AUDIO IN 1> terminal /<AUDIO IN 2> terminal/<AUDIO IN 3> terminal
This is the terminal to input audio. Left input <L> and right input <R> are provided for the <AUDIO IN 3> terminal.

11 <VARIABLE AUDIO OUT> terminal
This is the terminal to output the input audio signal to the projector.

12 <SERIAL IN> terminal
This is the RS-232C compatible terminal to externally control the projector by connecting a computer.

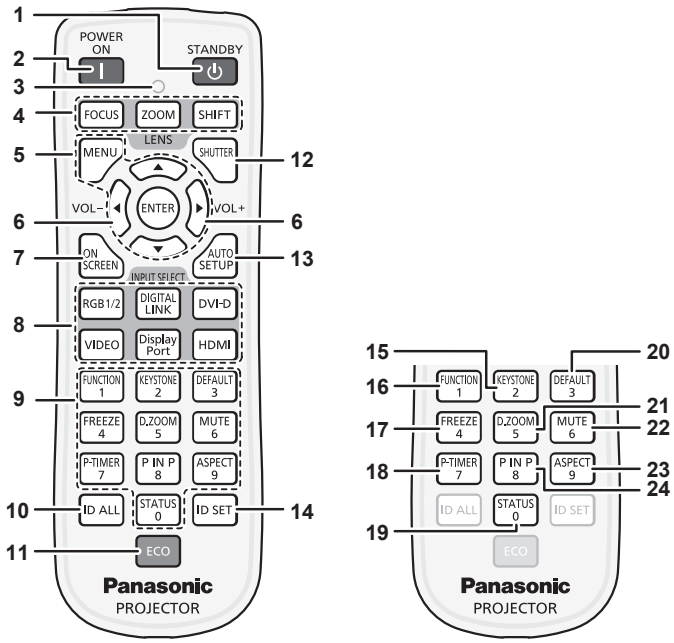
13 <REMOTE 2 IN> terminal
This is the terminal to remotely control the projector using the external control circuit.

Attention

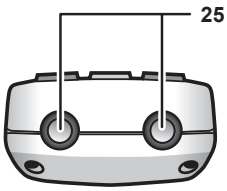
- When a LAN cable is directly connected to the projector, the network connection must be made indoors.

1.4 Remote controls

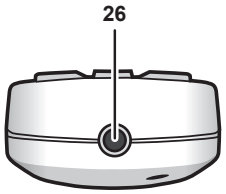
■ Front



■ Top



■ Bottom



1 Power standby <⏻> button
Sets the projector to the state where the projector is switched off (standby mode) when the <MAIN POWER> switch on the projector is set to <ON> and in the projection mode.

2 Power on <|> button
Starts projection when the <MAIN POWER> switch on the projector is set to <ON> when the power is switched off (standby mode).

3 Remote control indicator
Flashes if any button in the remote control is pressed.

4 Lens (<FOCUS>, <ZOOM>, <SHIFT>) buttons
Adjusts the Projection Lens. (➡ page 51)

5 <MENU> button/<ENTER> button/▲▼◀▶ button
Used to navigate through the menu screen. (➡ page 59)

6 <VOL–> button/<VOL+> button
Adjusts the volume of the built-in speaker or audio output. (➡ page 54)

7 <ON SCREEN> button
Switches on (display)/off (hide) the on-screen display function. (➡ page 54)

8 Input selection (<RGB1/2>, <DIGITAL LINK>, <DVI-D>, <VIDEO>, <DisplayPort>, <HDMI>) buttons
Switches the input signal to project. (➡ page 53)

9 Number (<0> - <9>) buttons
Used when the system uses multiple projectors.
Used to input ID numbers or passwords.

10 <ID ALL> button
Used to simultaneously control all the projectors with a single remote control when using multiple projectors. (➡ page 30)

11 <ECO> button
Displays the setting screen relating to ECO management. (➡ pages 57, 89)

12 <SHUTTER> button
Used when temporarily turning off the image and audio. (➡ page 53)

13 <AUTO SETUP> button
Automatically adjusts the image display position while the image is projected.
[PROGRESS] is displayed on the screen while adjusting automatically. (➡ page 55)

14 <ID SET> button
Sets the ID number of the remote control to use for a system using multiple projectors. (➡ page 30)

15 <KEYSTONE> button
Displays the [KEYSTONE] menu. (➡ pages 55, 72)

16 <FUNCTION> button
Assigns a frequently used operation as a shortcut button. (➡ page 57)

17 <FREEZE> button
Used when pausing the image and turning off the audio. (➡ page 54)

18 <P-TIMER> button
Operates the presentation timer function. (➡ page 55)

19 <STATUS> button
Displays the status of the projector. (➡ pages 57, 96)

20 <DEFAULT> button
Resets the content of the sub-menu to the factory default. (➡ page 60)

21 <D.ZOOM> button
Displays the [DIGITAL ZOOM] menu. (➡ pages 56, 86)

22 <MUTE> button
Used when temporarily turning off the audio. (➡ page 54)

23 <ASPECT> button
Switches the aspect ratio of the image. (➡ page 56)

24 <P IN P> button
Switches the [P IN P] setting. (➡ page 56)

25 Remote control signal transmitter

26 Remote control wired terminal
This is the terminal to connect to the projector by a cable when used as a wired remote control. (➡ page 31)

Attention

- Do not drop the remote control.

2. Menu Navigation

The on-screen menu (Menu) is used to perform various settings and adjustments of the projector.

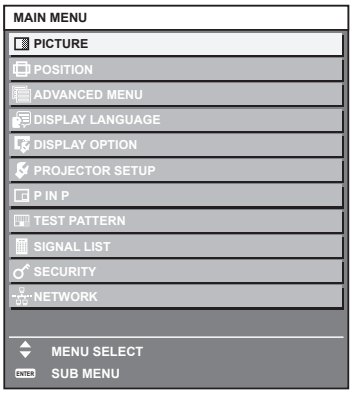
Navigating through the menu

Operating procedure

MENU **button**

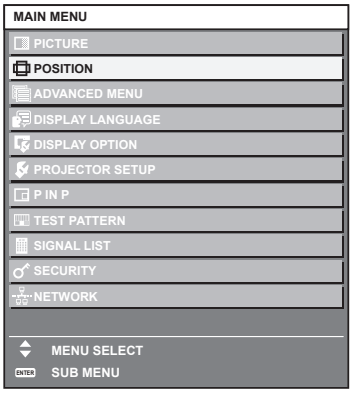
1) Press the <MENU> button on the remote control or control panel.

- The **[MAIN MENU]** screen is displayed.



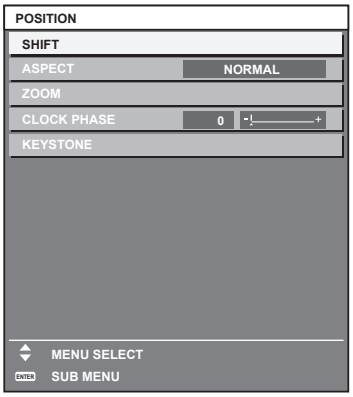
2) Press ▲▼ to select an item from the main menu.

- The selected item is highlighted in yellow.



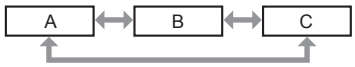
3) Press the <ENTER> button.

- The sub-menu items of the selected main menu are displayed.



4) Press ▲▼ to select a sub-menu, and press ◀▶ or the <ENTER> button to change or adjust settings.

- Some items will switch in order as follows each time you press ◀▶.



- For some items, press ◀▶ to display an individual adjustment screen with a bar scale as shown below.

Note

- Pressing the <MENU> button while the menu screen is displayed returns to the previous menu.
- Some items may not be adjusted or used for certain signal formats to be input to the projector. The menu items that cannot be adjusted or used are shown in black characters, and they cannot be selected. [DIGITAL CINEMA REALITY] may not be displayed depending on the input signal.
- Some items can be adjusted even if signals are not input.
- Individual adjustment screen is cleared automatically if no operation is performed for approximately five seconds.
- For menu items, refer to “Main menu” (➡ page 60) and “Sub-menu” (➡ page 61).
- The cursor color depends on the settings of the [DISPLAY OPTION] menu → [ON-SCREEN DISPLAY] → [OSD DESIGN]. The selected item is displayed with the yellow cursor by the factory default.

Resetting adjustment values to the factory defaults

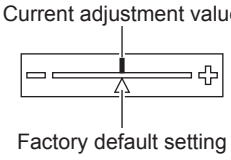
If the <DEFAULT> button on the remote control is pressed, the values adjusted in the menu items are restored to the factory default settings.

DEFAULT button

1) Press the <DEFAULT> button on the remote control.

Note

- You cannot reset all the settings to the factory default at a time.
- To reset all the settings adjusted in the sub-menu item to the factory default one at a time, execute [PROJECTOR SETUP] menu → [INITIALIZE] (➡ page 98).
- Some items cannot be reset to the factory defaults by pressing the <DEFAULT> button on the remote control. Adjust each item manually.
- The triangular mark under the bar scale in the individual adjustment screen indicates the factory default setting. The position of the triangular mark varies according to the selected input signals.



Main menu

The following items are in the main menu.
When a main menu item is selected, the screen changes to a sub-menu selection screen.

Main menu item		Page
	[PICTURE]	64
	[POSITION]	70
	[ADVANCED MENU]	74
	[DISPLAY LANGUAGE]	76
	[DISPLAY OPTION]	77
	[PROJECTOR SETUP]	88
	[P IN P]	100

Main menu item		Page
	[TEST PATTERN]	102
	[SIGNAL LIST]	103
	[SECURITY]	106
	[NETWORK]	109

Sub-menu

The sub-menu of the selected main menu item is displayed, and you can set and adjust items in the sub-menu.

[PICTURE]

Sub-menu item	Factory default	Page
[PICTURE MODE]	[STANDARD]*1	64
[CONTRAST]	[0]	64
[BRIGHTNESS]	[0]	65
[COLOR]	[0]	65
[TINT]	[0]	65
[COLOR TEMPERATURE]	[DEFAULT]	65
[GAMMA]	[0]	67
[SHARPNESS]	[+6]*1	67
[NOISE REDUCTION]	[OFF]	67
[IRIS]	[OFF]*1	67
[DAYLIGHT VIEW]	[AUTO]	68
[SYSTEM SELECTOR]	[YP_BP_R]*1	68

*1 Depends on the signal input.

Note

- The factory default settings may vary depending on the picture mode.

[POSITION]

Sub-menu item	Factory default	Page
[SHIFT]	—	70
[ASPECT]	[NORMAL]*1	70
[ZOOM]	—	71
[CLOCK PHASE]	[0]*1	72
[KEYSTONE]	—	72

*1 Depends on the signal input.

[ADVANCED MENU]

Sub-menu item	Factory default	Page
[DIGITAL CINEMA REALITY]	[AUTO]*1	74
[BLANKING]	—	74
[INPUT RESOLUTION]	—	75
[CLAMP POSITION]	[24]*1	75
[RASTER POSITION]	—	75

*1 Depends on the signal input.

Note

- Sub-menu items and factory default settings vary depending on the selected input terminal.

[DISPLAY LANGUAGE]

Details (➡ page 76)

[DISPLAY OPTION]

Sub-menu item	Factory default	Page
[COLOR ADJUSTMENT]	[OFF]	77
[COLOR CORRECTION]	[OFF]	77
[SCREEN SETTING]	—	78
[AUTO SIGNAL]	[OFF]	78
[AUTO SETUP]	—	78
[RGB IN]	—	79
[DVI-D IN]	—	80
[HDMI IN]	—	80
[DIGITAL LINK IN]	—	81
[DisplayPort IN]	—	81
[ON-SCREEN DISPLAY]	—	81
[CLOSED CAPTION SETTING]	—	83
[BACK COLOR]	[BLUE]	84
[STARTUP LOGO]	[DEFAULT LOGO]	84
[SHUTTER SETTING]	—	84
[P-TIMER]	—	85
[FREEZE]	—	86
[DIGITAL ZOOM]	[1.5]	86

[PROJECTOR SETUP]

Sub-menu item	Factory default	Page
[PROJECTOR ID]	[ALL]	88
[PROJECTION METHOD]	[FRONT/FLOOR]	88
[ECO MANAGEMENT]	—	89
[SCHEDULE]	[OFF]	90
[STARTUP INPUT SELECT]	[LAST USED]	92
[RS-232C]	—	92
[REMOTE2 MODE]	[DEFAULT]	94
[FUNCTION BUTTON]	—	94
[AUDIO SETTING]	—	94
[STATUS]	—	96
[DATE AND TIME]	—	97
[SAVE ALL USER DATA]	—	98
[LOAD ALL USER DATA]	—	98
[INITIALIZE]	—	98
[SERVICE PASSWORD]	—	99

[P IN P]

Details (➡ page 100)

[TEST PATTERN]

Details (➡ page 102)

[SIGNAL LIST]

Details (➡ page 103)

[SECURITY]

Sub-menu item	Factory default	Page
[SECURITY PASSWORD]	[OFF]	106
[SECURITY PASSWORD CHANGE]	—	106
[DISPLAY SETTING]	[OFF]	107
[TEXT CHANGE]	—	107
[MENU LOCK]	[OFF]	107
[MENU LOCK PASSWORD]	—	107
[CONTROL DEVICE SETUP]	—	108

[NETWORK]

Sub-menu item	Factory default	Page
[DIGITAL LINK MODE]	[AUTO]	109
[DIGITAL LINK SETUP]	—	109
[DIGITAL LINK STATUS]	—	110
[NETWORK SETUP]	—	110
[NETWORK CONTROL]	—	111
[NETWORK STATUS]	—	111
[DIGITAL INTERFACE BOX]	—	111

Note

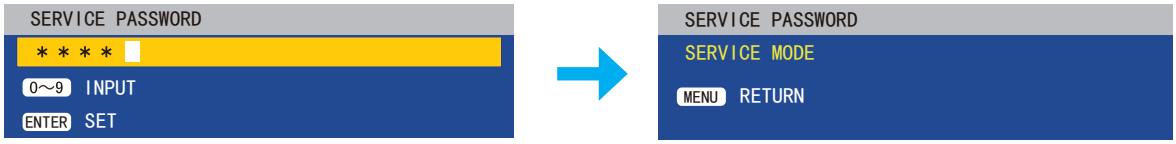
- Some items may not be adjusted or used for certain signal formats to be input to the projector.
  The menu items that cannot be adjusted or used are shown in black characters, and they cannot be selected.
- Sub-menu items and factory default settings vary depending on the selected input terminal.

3. Service Mode

This projector has Service Mode in addition to standard on-screen menus (User Mode).
This mode enables some menu settings for the service operation.

3. 1. Setting to Service Mode

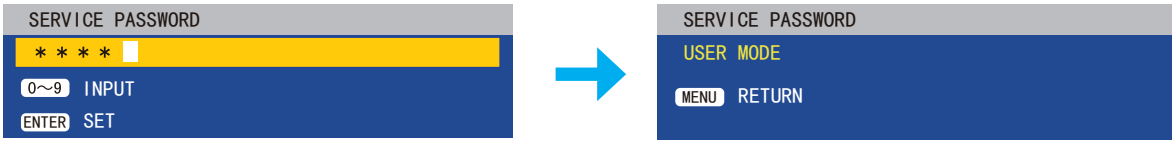
1. Press the [MENU] button on the control panel of the projector or on the remote controller to display the main menu on the screen.
2. Select a sub menu "service password" of the main menu "projector setup" and press the [ENTER] button.
3. Input the password "1565" by remote controller and press the [ENTER] button.



4. Press the [MENU] button. "SERVICE MODE" (MAIN MENU) will be displayed.

3. 2. Resetting to User Mode

1. Press the [MENU] button on the control panel of the projector or on the remote controller to display the main menu.
2. Select a sub menu "service password" of the main menu "projector setup" and press the [ENTER] button.
3. Input the password "0000" by remote controller and press the [ENTER] button.



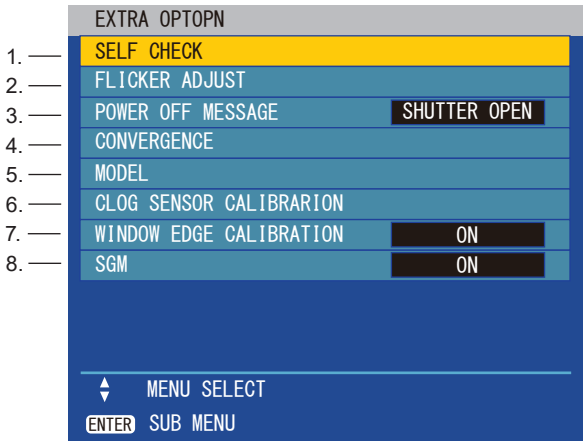
4. Press the [MENU] button. "USER MODE" (MAIN MENU) will be displayed.

3. 3. Functions of Service Mode

* Function varies according to a version of the main microcomputer software.

3. 3. 1. EXTRA OPTION

"EXTRA OPTION" is added to the bottom of the main menu.



1. SELF CHECK

Self-diagnosing information Displays.

```
SELF CHECK
(1) MODEL    : EZ770    S/N  : DD3520027
(2) MAIN     : 1.07.00  NT   : 1.00.00
(3) SUB      : 1.04.00 DIGITAL LINK : 1.30.52.0
(4) EMULATE  : DEFAULT
(5) OK G-SAVED              OK U-SAVED
(6) OK AIR TEMP. 022/159
(7) OK OUT TEMP. 051/095
(8) OK AIRFLOW   72.1/119/0.0
(9) OK LAMP 0150H00M ON
(10) OK FAN  1111 1111
(11) OK ANGLE SENSOR H    0/V    -1
(12) OK ATM SENSOR 1019.20/038.7
(13) OK IRIS
(14) OK SHUTTER  288 [   0]
```

* The word "OK" of Items (6) to (14) will be indicated in red if the projector had shutdown due to abnormality last time.

(1) – MODEL: Model no. / S/N: Serial no.
(2) – MAIN: Main software version / NT: Network software version
(3) – SUB: Sub software version / DIGITAL LINK: Digital Link software version
(4) – Emulate setting • Version
(5) – Status of correction data in the memories
G-SAVED: Gamma correction data
U-SAVED: Color shading correction data
BG means no data saved
(6) – Intake air temperature check (Celsius/Fahrenheit)
(7) – Exhaust air temperature check (Celsius/Fahrenheit)
(8) – Air flow sensor check
(Sensor reading value/AD value/ Correction value)
(9) – LAMP check (Cumulative usage time/ON-OFF)
(10) – Fan check (1: normal /0:stop)

(11) –Angle sensor check (Horizontal angle/Vertical angle)
(12) – Pressure sensor check
(Air pressure value[hPa]/Sensor temperature)
(13) – Iris check
(14) – Shutter check (Opening and shutting number of times [Failed number of times])

2. FLICKER ADJUST

• Perform the flicker adjustment

* Please refer to SECTION 3 (Adjustments) for the procedure. This adjustment should be performed after replacing the LCD block or A-P.C. Board.

3. POWER OFF MESSAGE

• Setting of the shutter function with standby operation
- SHUTTER KEEP: When pushing the standby key while the shutter mode is on, the projector keeps the shutter mode on and sets into standby mode.
- SHUTTER OPEN: When pushing the standby key while the shutter mode is on, the projector opens the shutter and displays the "Power OFF confirmation message". (Default setting)

4. CONVERGENCE

• When the ingredient of each R/G/B color deviation, revise it electrically.
Specifically, please refer to chapter SECTION 3 (Adjustments)

5. MODEL

This setting is necessary when the A-P.C. Board is replaced with new one.
• If you can copy EEPROM data from old A-P.C. Board, this setting is unnecessary.
• This model setting is effective after power restart.

6. CLOG SENSOR CALIBRATION

• This is to calibrate the clog sensor circuit. This calibration is necessary when the [A]-P.C Board, EEPROM (IC1416) or [M2]- P.C. Board is replaced.
• Refer to the chapter SECTION 3 (Adjustments) for the procedure.

7. WINDOW EDGE CALIBRATION (Factory use only)

• This is to setup the Window Edge Correction function On or Off.
- ON: Enable the Window Edge Correction temporarily (not memorized)
- OFF: Disable the Window Edge Correction (Default setting)

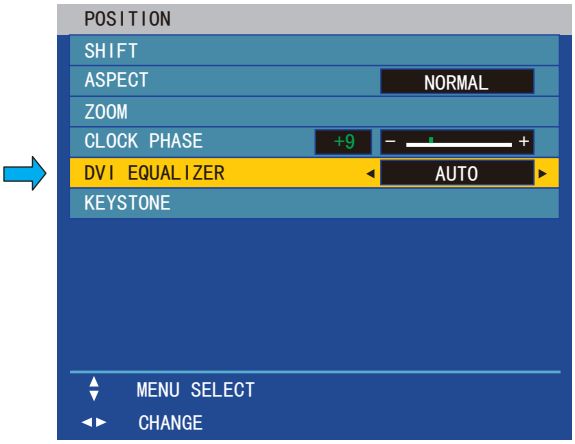
8. SGM (Factory use only)

• To switch the LCD panel gamma characteristic
- ON: Enable the SGM function
- OFF: Disable the SGM function (Default setting)

3. 3. 2. Additional function of each menu

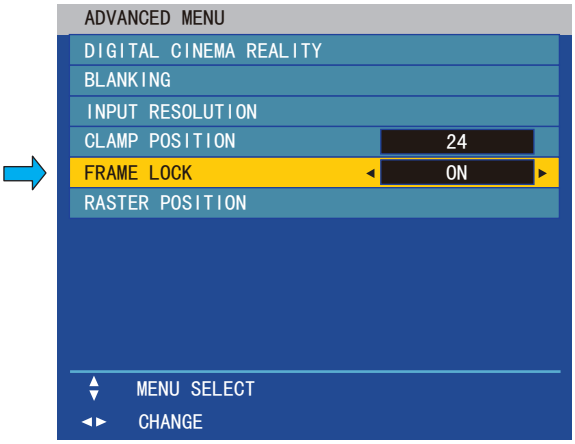
1. [POSITION] menu

• [DVI EQUALIZER] is added to a sub menu.
When noise contamination to DVI input caused by long cable or external device, set this item so that the noise decreases. (AUTO/LOW/MID/HIGH)



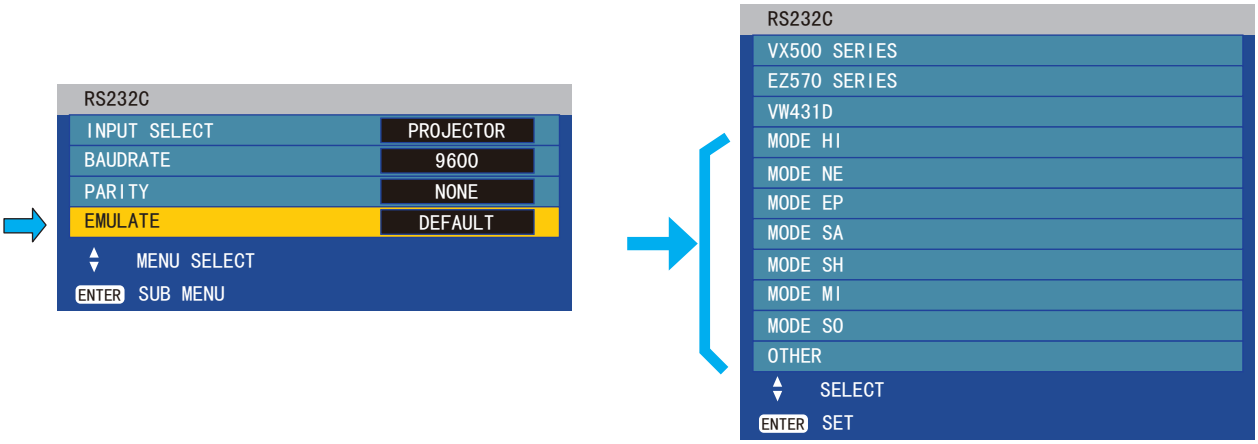
3. [ADVANCED] menu

• [FRAME LOCK] is added to a sub menu.
Set On if the motion picture is not stabled at RGB input.



3. [PROJECTOR SETUP] menu

• The special items are added as shown below on the [EMULATE] of [RS232C] menu.
- MODE NE (other companies)
- MODE EP (other companies)
- MODE SA (other companies)
- MODE MI (other companies)
- MODE SO (other companies)
- OTHER (other companies/models)



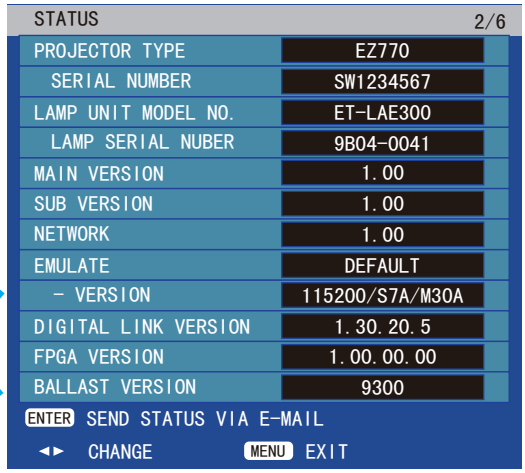
• The following items are added to the sub menu "STATUS ".

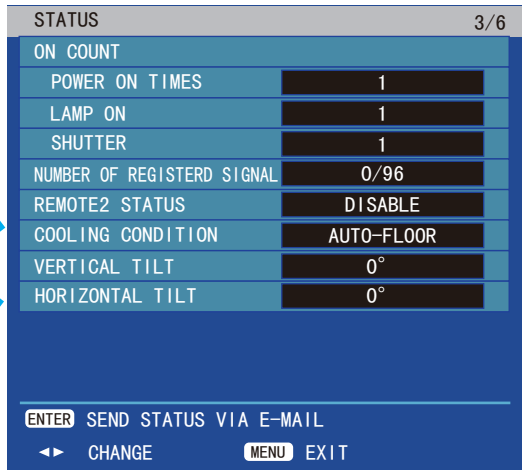
1) Page 2
- EMULATE
  -VERSION — Emulate version
- DIGITAL LINK VERSION — DIGITAL LINK microprocessor software version
- FPGA VERSION — FPGA version
- BALLAST VERSION — Ballast microprocessor software version

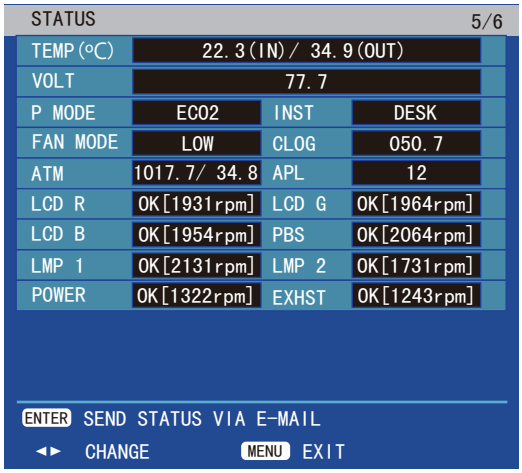
2) Page 3
- COOLING CONDITION — Cooling condition of cooling fan control
- VERTICAL TILT — Vertical angle
- HORIZONTAL TILT — Horizontal angle

3) Page 5
- TEMP (C) — Intake air temperature / Optical module temperature / Exhaust air temperature
- VOLT — Voltage of LAMP
- P MODE — Lamp power mode (AUTO, NORMAL, ECO1, ECO2)
- INST — Install condition (DESK: Floor mount, CEIL: Ceiling mount, VERT U: Upper mount, VERT D: Lower mount)
- FAN MODE — FAN control mode (LOW/MID1/MID2/MID3/MID4/HIGH/WARNING/SD)
- CLOG — Clog Temperature
- AMT — Air pressure sensor value/Air pressure temperature
- APL — APL
- LCD R — LCD fan (R) condition [Rotation speed]
- LCD G — LCD fan (G) condition [Rotation speed]
- LCD B — LCD fan (B) condition [Rotation speed]
- PBS — PBS fan condition [Rotation speed]
- LMP1 — Lamp1 fan status [Rotational speed]
- LMP2 — Lamp2 fan status [Rotational speed]
- POWER — Power fan status [Rotational speed]
- EXHST — Exhaust fan status [Rotational speed]

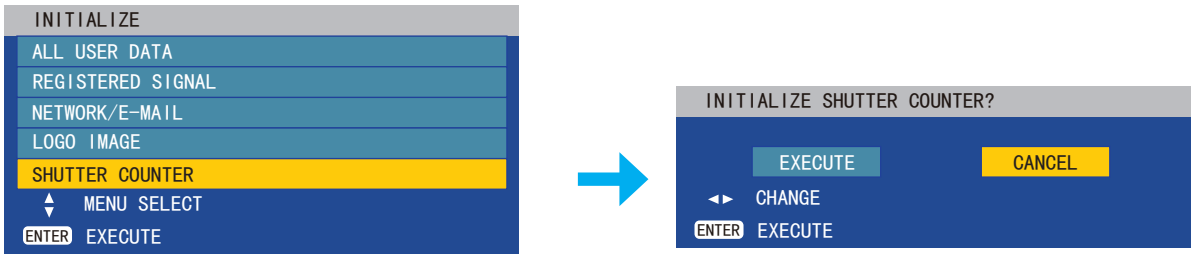
4) Page 6
- LAMP HISTORY — Lamp On/Off status history log







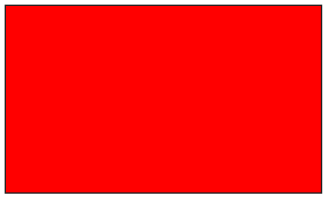
• [SHUTTER COUNTER] is added on "INITIALIZE" sub menu.
- When the mechanical shutter is replaced, initialize the shutter counter.



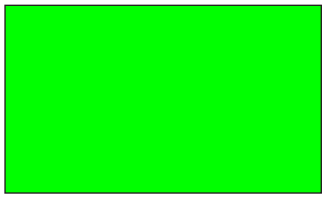
4. [TEST PATTERN] menu

• The following test patterns are added.

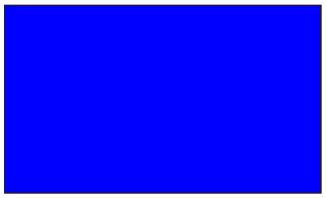
- Red pattern



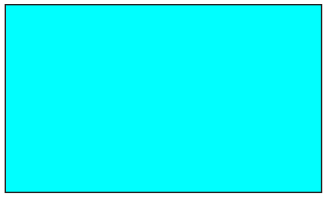
- Green pattern



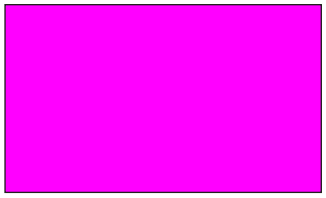
- Blue pattern



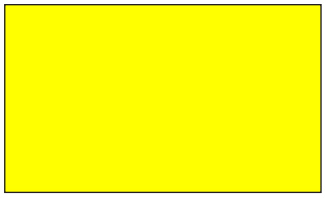
- Cyan pattern



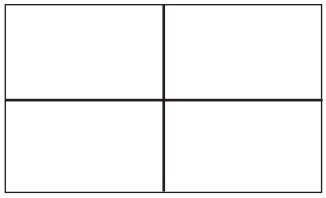
- Magenta pattern



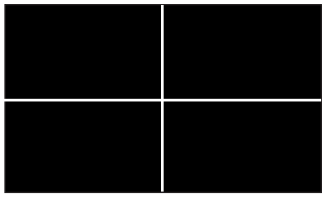
- Yellow pattern



- Crosshatch pattern 1

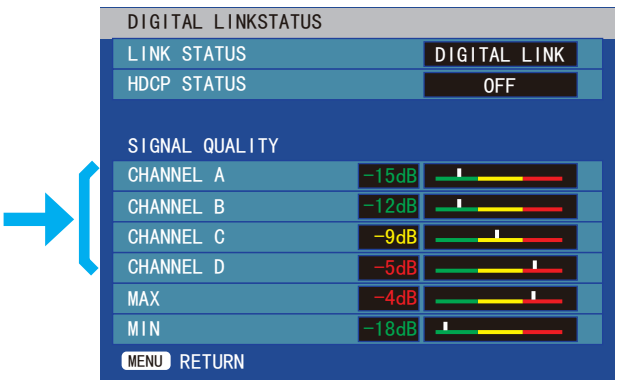


- Crosshatch pattern 2



5. [NETWORK] menu

• [SIGNAL QUALITY] is added to sub menu "DIGITAL LINK STATUS".
- CHANNEL A Signal information of channel A
- CHANNEL B Signal information of channel B
- CHANNEL C Signal information of channel C
- CHANNEL D Signal information of channel D



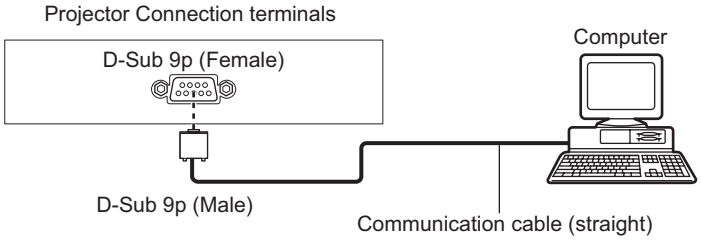
4. External Controls

4. 1. Control through Serial terminal

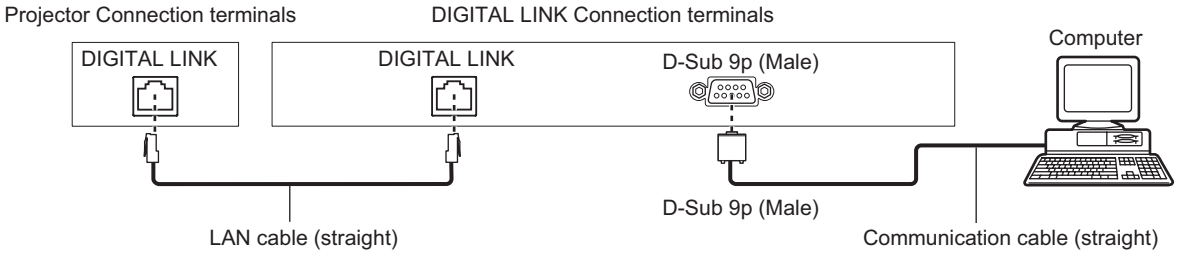
SERIAL terminals which are on the side of the projector conform to RS-232C standard. This projector can be controlled by a PC which is connected as shown below. Also SERIAL OUT terminal is provided to enable plural projector control.

4. 1. 1. Connection

● **When connecting directly**



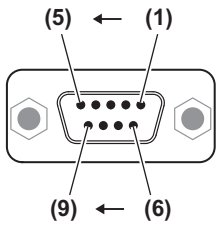
● **When connecting with DIGITAL LINK compatible devices**



Note

- The destination of [RS-232C] must be set according to the connection method.
- When connecting by a DIGITAL LINK compatible device, set the [PROJECTOR SETUP] menu → [ECO MANAGEMENT] → [STANDBY MODE] to [NORMAL] to control the projector in standby mode. When [STANDBY MODE] is set to [ECO], the projector cannot be control during standby.

4. 1. 2. Pin assignments and signal names

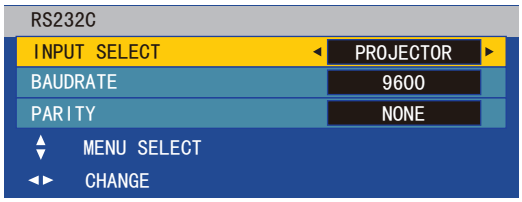
D-Sub 9-pin (female) Outside view	Pin No.	Signal name	Details
	(1)	–	NC
	(2)	TXD	Transmitted data
	(3)	RXD	Received data
	(4)	–	NC
	(5)	GND	Earth
	(6)	–	NC
	(7)	CTS	Connected internally
	(8)	RTS	
	(9)	–	NC

4. 1. 3. Communication conditions (Factory default)

Signal level	RS-232C compliant
Sync. method	Asynchronous
Baud rate	9 600 bps
Parity	None
Character length	8 bits
Stop bit	1 bit
X parameter	None
S parameter	None

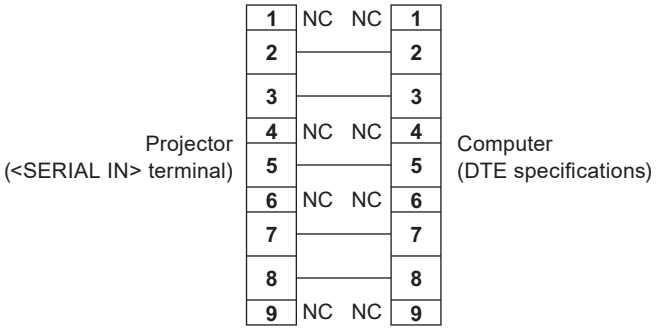
4. 1. 4. Communication condition setting

1. Press the [MENU] button on the projector or remote controller. Go to Main menu --> Projector setup. In sub menu, Select "RS-232C" and press [ENTER] button.
2. Select communication condition by pressing ▲ ▼ button. Set it with pressing ◀ ▶ button.
3. Press MENU button 3 times and return to regular display.



4. 1. 5. Cable specification

- **When connected to a computer**



4. 1. 6. Basic format

Transmission from the computer starts with STX, then the ID, command, parameter, and ETX are sent in this order.
Add parameters according to the details of control.

1. Basic control command (without parameter)

Start (STX)	ID	Separator (semicolon)	Command	End (ETX)
1 byte	4 byte	1 byte	3 byte	1 byte

2. Basic control command (with parameters)

Start (STX)	ID	Separator (semicolon)	Command	Separator (colon)	Parameter	End (ETX)
1 byte	4 byte	1 byte	3 byte	1 byte	Undefined length	1 byte

3. Basic control command (with sub command)

Start (STX)	ID	Separator (semicolon)	Command	Separator (colon)	Parameter	Operation
1 byte	4 byte	1 byte	3 byte	1 byte	Undefined length	1 byte

Sign	Parameter	End (ETX)
1 byte	5 byte	1 byte

4. Operation

Specifies the method of processing the value specified by parameters.

Code	Description
=	Sets the value specified by the parameter
_(underbar)	Adds the value specified by the parameter to the current value.

5. Sign

Specifies the method of processing the value specified by parameters.

Code	Description
+	The value specified by the parameter is a positive value or 0 (zero).
–	The value specified by the parameter is a negative value.

6. Parameters

Specify the setting or adjustment value by right justification (0 is not suppressed).
For example, when the setting value is "1", set it as "00001".

7. ID of the basic control command

This projector will respond to the computer only if the sent ID coincides with the projector ID.

8. Response (Callback) of the basic control command

In the period when the command can be accepted.
Differs according to each command.
In the period when commands cannot be accepted.

Hexadecimal	02h	45h	52h	34h	30h	31h	03h
Character		E	R	4	0	1	

In case of the parameter error or REMOTE2 effective.

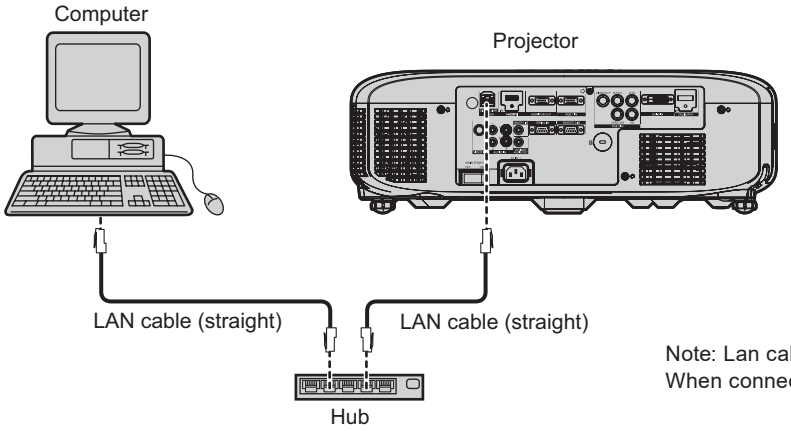
Hexadecimal	02h	45h	52h	34h	30h	32h	03h
Character		E	R	4	0	2	

9. Attention
- If a command is transmitted after the lamp starts illuminating, there may be a delay in response or the command may not be executed. Try sending or receiving any command after 60 seconds.
- When transmitting multiple commands, be sure to wait until 0.5 seconds has elapsed after receiving the response from the projector before sending the next command.
- It might take time by the time the response returns because the command is processed in the projector. Set the time-out to 10 seconds or longer.

4. 2. Control through LAN terminal

Possible to control this projector by connecting PC to the LAN terminal on this projector.
Connection and command transmission changes depending on mode (admin password is set or not with web control).
Control according to the procedure in "4.2.2" on the protection mode (the password is set), and according to the procedure in "4.2.3" on the unprotected mode (the password is not set).

4. 2. 1. Connection example



Note: Lan cable and Hub are not standard accessories.
When connected directly, cross type cable is recommended.

4. 2. 2. When Web control administrator rights password is set (Protect mode)

4. 2. 2. 1. Connecting

1. Obtain the IP address and port number (Initial setting value = 1024) of the projector and request for a connection to the projector.
   You can obtain both the IP address and the port number from the menu screen of the projector.
   - IP address : Obtain from the main menu → [NETWORK] → [NETWORK STATUS]
   - Port number : Obtain from the main menu → [NETWORK] → [NETWORK CONTROL] → [COMMAND PORT]
2. Check the response from the projector
   - Response data

Data section	Blank	Mode	Blank	Random number section	Termination symbol
"NTCONTROL" (ASCII string)	' ' 0x20	'1' 0x31	' ' 0x20	"zzzzzzz" (ASCII code hexadecimal number)	(CR) 0x0d
9 byte	1 byte	1 byte	1 byte	8 byte	1 byte

   Mode: 1 = Protect mode
3. Generate a 32-byte hash value from the following data using MD5 algorithm.
   "xxxxxx:yyyyy:zzzzzzz"

xxxxxx	Administrator rights user name for Web control (default user name is “admin1”)
yyyyy	Password of above administrator rights user (default password is “panasonic”)
zzzzzzz	8-byte random number obtained in Step 2)

   : colon : Separator

4. 2. 2. 2. Command transmission method

Transmit using the following command formats.

Transmitted date

Header			Data section	Termination symbol
Hash value (4. 2. 2. 1. -3)	'0' 0x30	'0' 0x30	Control command (ASCII string)	(CR) 0x0d
32 bytes	1 byte	1 byte	Undefined length	1 byte

Received data

Header		Data section	Termination symbol
'0' 0x30	'0' 0x30	Control command (ASCII string)	(CR) 0x0d
1 bytes	1 byte	Undefined length	1 byte

Error response

Error message		Termination symbol
“ERR1” “ERR2” “ERR3” “ERR4” “ERR5” “ERRA”	Undefined control command Out of parameter range Busy state or no-acceptable period Timeout or no-acceptable period Wrong data length Password mismatch	(CR) 0x0d
4 byte		1 byte

Example: Query Power "QPW"

1. Connects to the projector
   IP = 192.168.0.8 port = 1024
2. Receives a response
   Response = "NTCONTROL 1 1aa6c14e" + (CR)
   "1aa6c14e" = 8 bytes random characters
3. Generates a hash value (message digest) from "admin1:panasonic:1aa6c14e" by using the MD5 algorithm.
   "admin1" = Administrator authority user-name
   "panasonic" = Password corresponding to "admin1"
   Hash value = "01466bc27ed8c0b7e607471580c55953"
4. Transmits the command
   Transmission data = "01466bc27ed8c0b7e607471580c5595300QPW" + (CR)
5. Receives a response.
   Reception data = "00000" + (CR)
6. Disconnects the connection with the projector.

4. 2. 3. When Web control administrator rights password is not set (Non-protect mode)

4. 2. 3. 1. Connecting

1. Obtain the IP address and port number (Initial setting value = 1024) of the projector and request for a connection to the projector.
   You can obtain both the IP address and the port number from the menu screen of the projector.
   - IP address : Obtain from the main menu → [NETWORK] → [NETWORK STATUS]
   - Port number : Obtain from the main menu → [NETWORK] → [NETWORK CONTROL] → [COMMAND PORT]
2. Check the response from the projector
   - Response data

Data section	Blank	Mode	Termination symbol
“NTCONTROL” (ASCII string)	' ' 0x20	'1' 0x31	(CR) 0x0d
9 byte	1 byte	1 byte	1 byte

Mode: 0 = Non-protect mode

4. 2. 3. 2. Command transmission method

Transmit using the following command formats.

- Transmitted data

Header		Data section	Termination symbol
'0' 0x30	'0' 0x30	Control command (ASCII string)	(CR) 0x0d
1 byte	1 byte	Undefined length	1 byte

- Received data

Header		Data section	Termination symbol
'0' 0x30	'0' 0x30	Control command (ASCII string)	(CR) 0x0d
1 byte	1 byte	Undefined length	1 byte

- Error response

Error message		Termination symbol
“ERR1” “ERR2” “ERR3” “ERR4” “ERR5” “ERRA”	Undefined control command Out of parameter range Busy state or no-acceptable period Timeout or no-acceptable period Wrong data length Password mismatch	(CR) 0x0d
4 byte		1 byte

Example: Query Power "QPW"

1. Connects to the projector
   IP = 192.168.0.8 port = 1024
2. Receives a response
   Response = "NTCONTROL 0" + (CR)
3. Transmits the command
   Transmission data = "00QPW" + (CR)
4. Receives a response.
   Reception data = "00000" + (CR)
5. Disconnects the connection with the projector.

4. 3. Control commands List

* Please refer to a separate volume "control commands". (Posted to the projector home page)

5. Notes on service

5. 1. Before service operation

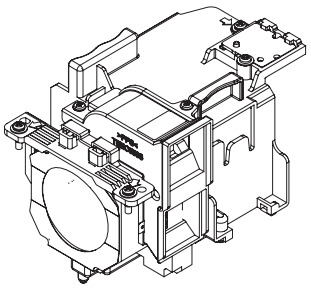
5. 1. 1. LCD panel

1. The display unit of this projector comprises three LCD panels. Although an LCD panel is a product of high-precision technology, some of the pixels on the image may be missing or constantly lit. Please note that this is not a failure.
2. Displaying a still image for a longer time may result in an after-image on the LCD panels. If this happens, display the all white screen in the test pattern for an hour or more.

5. 1. 2. Lamp

1. The light source of the projector is a high-pressure mercury lamp.
2. A high-pressure mercury lamp has the following characteristics.
   - The luminance of the lamp will decrease by duration of usage.
   - The lamp may burst with a loud sound or have its service life shortened because of shock, chipping, or degradation due to cumulative runtime.
   - The lamp life varies greatly depending on individual differences and usage conditions. In particular, continuous use for 12 hours or more and frequent off/on switching of the power greatly deteriorate the lamp and affects the lamp life.
   - In rare cases, the lamps burst shortly after projection starts.
   - The risk of bursting increases when the lamp is used beyond its replacement cycle. Make sure to replace the lamp unit regularly.
     (Refer to items “When to replace the lamp unit”, “How to replace the lamp unit”)
   - If the lamp bursts, gas contained inside of the lamp is released in the form of smoke.
   - It is recommended that you store the Replacement Lamp Unit as a contingency

Replacement lamp unit : ET-LAE300

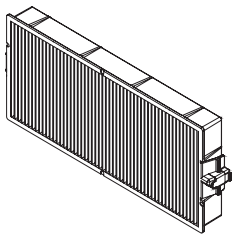


Note * Panasonic takes no responsibility for any damage or malfunction of the product resulting from use of lamp units which are not manufactured by Panasonic. Use only specified lamp units.

Attention * Please be sure to read the warnings and notices on the lamp that is described in the Operating Instructions. "Read this first!", "Precautions for use", "Maintenance/replacement"

5. 1. 2. Air filter unit

1. Make sure that the air filter unit is properly attached before using the projector. If it is not properly attached, the projector will suck in dirt and dust causing a malfunction.
2. The cleaning and replacement cycle of the air filter unit varies depending on the usage environment.



Replacement air filter unit : ET-RFE300

5. 1. 3. Lithium battery

1. The lithium battery is used for the internal clock in the A-P.C.Board. So when it consumed it must be replaced.

Lithium battery : CR2032

* Use only specified lithium battery.
* Used battery must be scrapped according to the instruction.

2. After replacing the lithium battery, surely set the "Date and Time" on the sub-menu in the main menu "projector set up".

5. 2. Service

5. 2. 1. Supporting Methods

The basic service policy is shown below.

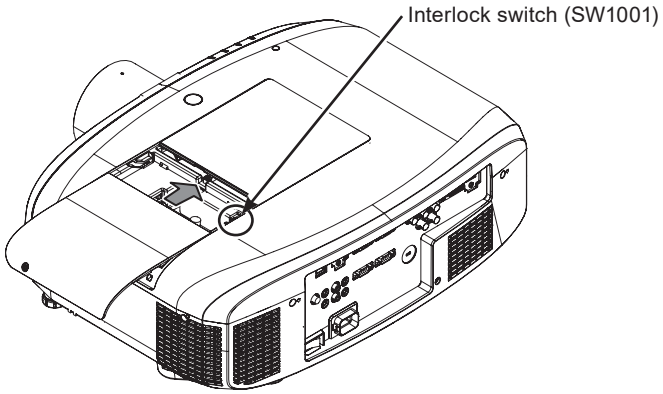
Repair contents	Applied parts
Block replacement P.C.Board replacement	- Analyses block (* Specified components are replaced) - Optical Block - [P]-P.C.Board (Specified components are replaced) - [BQ]-P.C.Board - Iris unit - Mechanical shutter
Replaced by discrete components	Other electrical parts and mechanism parts

5. 2. 2. Repair

1. Since very strong light is leakage from the surroundings of optical block, when checking or adjusting the projector with top cabinet removal, ware the UV protection glasses to protect the UV light.
2. Before repairing, make sure to turn off the main power and disconnect the power plug from the power outlet.
   * When replacing the print board, the internal electrical parts can be broken by the static electricity of clothes or human body. Please take care in static electricity, use an antistatic wrist strap or wear the anti-static electricity gloves.
3. After repairing, please check the gradation (10step or the gray scale) test pattern or moving image.
   Also, please check that it is normal on a self check screen.

5. 2. 3. Interlock detection

The lamp cover switch detects whether the lamp cover is mounted securely.
When the lamp cover is mounted securely, the interlock switch (SW1001) on the [A]-P.C.Board turns on.



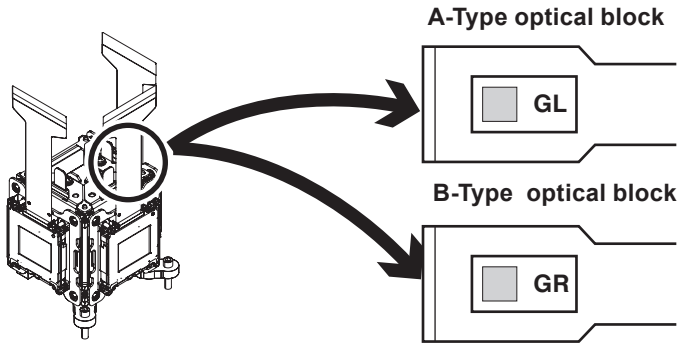
5. 2. 4. Replacement of A-P.C. board

1. When the replacement of [A]-P.C.Board (assembly) is needed, back up the memory information such as adjustment data from the old board to PC with the service software. Then transfer this data to the new [A]-P.C.Board.
   For more information refer to the SECTION 3 "Adjustment".
   * Down load the service software from Projector service web site.
2. When [A]-P.C.Board is replaced, the MAC address of wired LAN will be changed. Explain it to the customers in advance.

5.3.5. Optical block type check

There are 2 types of optical block, named R-type and L-type.
When replacing the optical block, check the printed marker on the flat cable of the G-LCD panel and use the same type of the optical block. If not used the same type, you will find the color shading or wrong white balance picture on the screen.

• GL => Use A-type optical block
• GR => Use B-type optical block



5. 3. Replacement of consumable parts

[Attention] • When replacing the consumable parts, please make sure that the power cable is disconnected from the outlet.

5. 3. 1. When to replace the lamp unit

The lamp unit is a consumable component. Since its brightness gradually decreases over time, it is necessary to replace the lamp unit regularly. The estimated duration before replacement is 3 000 hours, but the lamp may go off before reaching to 3000 hours, depending on the characteristics of the individual lamp, usage conditions, and the installation environment. It is recommended that the Replacement Lamp Unit be prepared earlier.

	On screen display	LAMP indicator
	REPLACE LAMP	LAMP
Over 2 800 hours	The message is displayed for 30 seconds. Pressing any button on the control panel or remote control within 30 seconds will clear the message.	The indicator lights in red even during the standby mode.
Over 3 000 hours	The message remains displayed until you press any button.	

If you continue to use the lamp unit after 3 000 hours has elapsed, the lamp turns off automatically after approximately 10 minutes, as it may cause malfunction of the projector.

Note

• To predict when to replace the lamp, check the lamp runtime displayed at [LAMP : TOTAL] in [STATUS].
• 3 000 hours is only the target for replacement and not the warranty time.

5. 3. 2. Calculation formula of lamp runtime

The lamp runtime that is displayed in the [STATUS] is real time.
The following conversion is required to calculate the rough estimate for lamp replacement.

Formula for lamp replacement time (rough estimate)	
Lamp runtime displayed in [LAMP : ECO]	(A x 9 + B x 8) ÷ 8 • A: Runtime when [LAMP POWER] is set to [ECO1] • B: Runtime when [LAMP POWER] is set to [ECO2]
Lamp runtime displayed in [LAMP : TOTAL]	(C x 3 + D x 2) ÷ 3 • C: Actual runtime when [LAMP POWER] is set to [AUTO] and [NORMAL] (= Runtime displayed in [LAMP : NORMAL]) • D: Actual runtime when [LAMP POWER] is set to [ECO1] and [ECO2] (= Runtime displayed in [LAMP :ECO])

5. 3. 3. Notes on the replacement of the lamp unit

Warning

Replace the lamp unit after the lamp has cooled (after waiting at least one hour).
The high temperature inside the cover will cause burns.

- A Phillips screwdriver is necessary when replacing the lamp unit.
- Since the luminous lamp is made of glass, it may burst if dropped or hit with a hard object. Handle with care.
- Do not disassemble or modify the lamp unit.
- When replacing the lamp unit, be sure to hold it by the handle because its surface is pointed and its shape is protruded.
- The lamp may rapture. Replace the lamp unit carefully so the glass fragments of the lamp do not scatter. While attaching the projector to the ceiling, do not work right under the lamp unit or do not conduct work while your face is near the lamp unit.
- The lamp contains mercury. When disposing of used lamp units, contact your local authorities or dealer for correct methods of disposal.

5. 3. 4. Replacement procedure for lamp unit

Attention

- While attaching the projector to the ceiling, do not work right under the lamp unit or do not conduct work while your face is near the lamp unit.
- Do not remove or loosen the screws other than specified ones when replacing the lamp unit.
- Make sure to attach the lamp unit and the lamp cover securely.
- If the lamp unit is not installed properly, remove it and then push it in slowly. Pushing it in quickly or forcibly may break the connector.

1) Set the <MAIN POWER> switch to <OFF> and disconnect the power plug from the power outlet.
- Wait at least one hour and check if the lamp unit has cooled down.

2) Remove the lamp cover. (Fig. 1)
- Use a Phillips screwdriver to turn the lamp cover fixing screw (x1) counterclockwise until it turns freely, and slide the lamp cover slowly in the direction of the arrow to remove it.
- Opening the lamp cover quickly may result in falling.

3) Remove the lamp unit. (Fig. 2)
- Use a Phillips screwdriver to turn the lamp unit fixing screws (x3) counterclockwise until they turn freely, and remove the lamp unit.
- Hold the handles of the lamp unit and remove it straight.

4) Push in the new lamp unit while paying attention to the insertion position.
- If the lamp unit is not installed properly, remove it and then push it in slowly. Pushing it in quickly or forcibly may break the connector.

5) Use a Phillips screwdriver to firmly tighten the lamp unit fixing screws (x3).
- Make sure to attach the lamp unit securely.

6) Attach the lamp cover.
i) Perform Step 2) in the reverse order to attach the lamp cover.
ii) Use a Phillips screwdriver to firmly tighten the lamp cover fixing screw (x1).
- Make sure to attach the lamp cover slowly and securely.

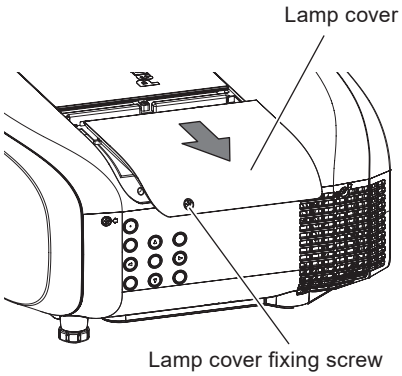


Fig. 1

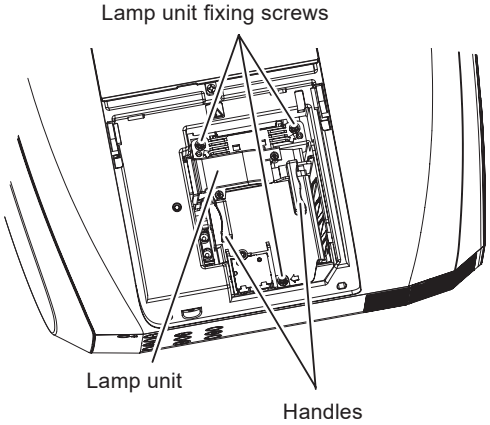


Fig. 2

Note

- When you replace the lamp unit with new one, the projector resets the runtime of the lamp unit automatically

5. 3. 5. Air filter maintenance

Perform maintenance of the air filter in the following case.

• The air filter is clogged with dust, causing the filter replacement message to appear on the screen and the filter indicator <FILTER> to light in red.

Attention

• Make sure to turn off the power before performing maintenance on the air filter unit.

• Make sure that the projector is stable, and perform the maintenance in a safe place where the unit will not be damaged even if you drop the air filter unit.

5. 3. 6. Cleaning procedure for Air filter unit

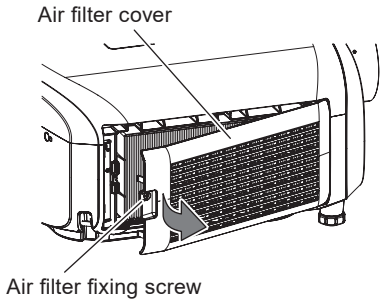


Fig. 1

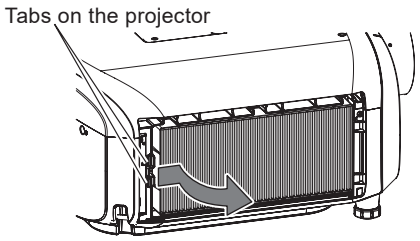


Fig. 2

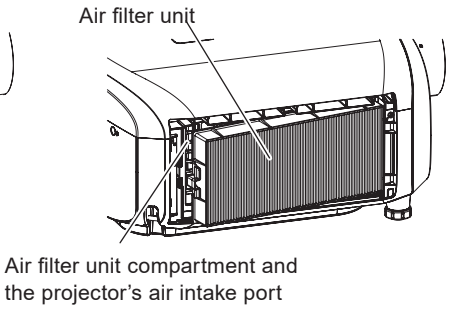


Fig. 3

1) Remove the air filter cover. (Fig. 1)

• Use a Phillips screwdriver to turn the air filter cover fixing screw (x1) counterclockwise until it turns freely, and gently pull open in the direction of the arrow with your finger placed on the indent of the air filter cover and remove the cover.

• When pulling open the air filter cover, be sure to firmly hold the air filter cover with your hand. Opening the air filter cover quickly may result in the cover falling.

2) Remove the air filter unit.

• Pull out the air filter unit from the tabs of the projector while slightly pressing the tab at the center of the frame at the connecting terminal side (rear side) inward as shown by the arrow, and remove the air filter unit. (Fig. 2)

• After pulling out the air filter unit, remove foreign objects and dust from the air filter unit compartment and the projector's air intake port if there are any. (Fig. 3)

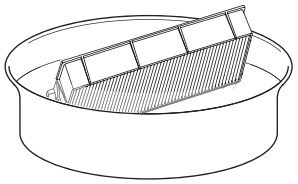


Fig. 4

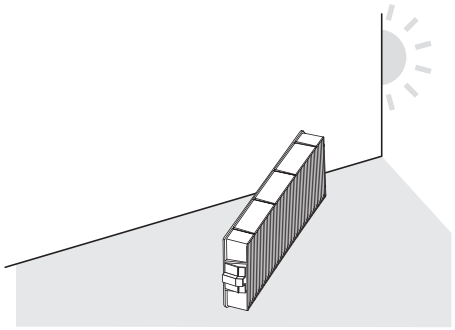


Fig. 5

3) Wash the air filter unit. (Fig. 4)

i) Soak the air filter unit in cold or warm water and then lightly rinse it.

• Do not use cleaning tools such as brushes.

• When rinsing, hold the frame of the air filter unit without putting strong pressure on the filter.

ii) Rinse the air filter unit two to three times using fresh water each time.

• Insufficient rinsing may result in odors.

4) Dry the air filter unit. (Fig. 5)

• Let the air filter unit naturally dry off in a well-ventilated place where there is little dust and is not exposed to direct sunlight.

• Do not dry using drying devices such as dryers.

• After the air filter unit is dried, proceed to "Attaching the air filter unit".

5) Attach the air filter unit to the projector.

• Perform Step 2) in the reverse order.

• Push in the air filter unit securely until it clicks into place.

6) Attach the air filter cover.

• Perform Step 1) in the reverse order to close the air filter cover, and push in the air filter cover securely until it clicks into place.

• Use a Phillips screwdriver to firmly tighten the air filter cover fixing screw (x1).

Attention

- After washing the air filter unit, dry it thoroughly before attaching it back to the projector. Attaching a wet unit will cause an electric shock or malfunction.
- Do not disassemble the air filter unit.
- Make sure that the air filter unit is properly attached before using the projector. If it is not attached, the projector will suck in dirt and dust causing a malfunction.

Note

- If you use the projector without attaching the air filter unit, the filter indicator <FILTER> flashes in red and the message appears on the projected image for approximately 30 seconds.
- Replace the air filter unit with the new optional Replacement Filter Unit if it is damaged or if the dirt does not come off even after washing.
- Air filter replacement is recommended after cleaning the unit two times.
- The dust-proof properties may be reduced after each cleaning.

5. 4. Initialization for control device password

Take the procedure below to restore the factory default password (AAAA).

1. Press the [AUTO SETUP] button on the remote control or the [INPUT SELECT] button and the [▲] button on the control panel of projector at the same time for more than 2 seconds while the control device password input request menu is displayed on the screen.
2. Press the [▼] button for more than 2 seconds.
   The password will be initialized.

6. Troubleshooting

6. 1. Shutdown system

This projector provides the shutdown function to set into the standby mode immediately for product safety when the projector has the fan operation error or lamp lightning error.

LED indication status	Shutdown detection	Probable cause	OSD warning
Not lighting or flashing	Power supply block Fuse : Rated 10A	Blown out of fuse (with another reason)	–
	Thermal fuse ⇨ Over 113ºC	Blown out of thermal fuse (with another reason) Check usage environment	–
STANDBY/ON LED blinks in red 1 time	Lamp cover switch ⇨ Shutdown immediately if switch is OFF	Lamp cover is not installed securely	–
STANDBY/ON LED blinks in red 3 times	FPGA initializing error or communication error	Failure on signal processing part	–
	Main software activation error	Main microprocessor writing error	–
TEMP LED lights	Intake air temperature sensor ⇨ Lower than -20ºC	Bad connection of intake air temperature sensor/ Sensor error	–
	Exhaust air temperature sensor ⇨ Lower than -20ºC	Bad connection of exhaust air temperature sensor/ Sensor error	–
TEMP LED blinks 3 times (TEMP LED lights)	Each FAN sense signal ⇨ No signal	Connector Disconnection Fan rotation error	–
	Each FAN sense signal ⇨ Fan rotation is slower than 70% of target for more than 5 seconds	Fan rotation error	–
TEMP LED blinks 2 times (TEMP LED lights)	Intake air temperature sensor ⇨ Higher than 48ºC (Higher than 43ºC at highland mode)	Intake air temperature error Filter clogging High temperature of environment Ventilation holes are blocked	46ºC (High-altitude 41ºC) ⇨ TEMP WARNING On 44ºC (High-altitude 39ºC) ⇨ TEMP WARNING Off
	Exhaust air temperature sensor ⇨ Higher than 87ºC *1	Exhaust air temperature error Ventilation holes are blocked Exhaust fan deterioration High altitude mode is not set at highland	89ºC ⇨ TEMP WARNING On 85ºC ⇨ TEMP WARNING Off
LAMP LED lights	Lamp runtime ⇨ More than 3000 hours (Shutdown in 10 seconds)	Lamp runtime is over	“REPLACE LAMP IN ** MINUTES, POWER WILL TURN OFF AND GO INTO STANDBY MODE AUTOMATICALLY.”
LAMP LED blinks 3 times	Lamp status ⇨ Lamp is failure while the status is other than normal operation	Lamp igniting error, lamp error, ballast error, hot restart	–
	Ballast block Fuse : Rated 5A	Intake duct clogging Ballast block error	–
LAMP LED blinks 1 time	Lamp memory communication error	Lamp is not installed or wrong lamp installed, Connection error on the lamp memory cable	–

*1 it depends on the lamp mode , fan mode or installed position.

The count down number 10 to 1 will be indicated in **.

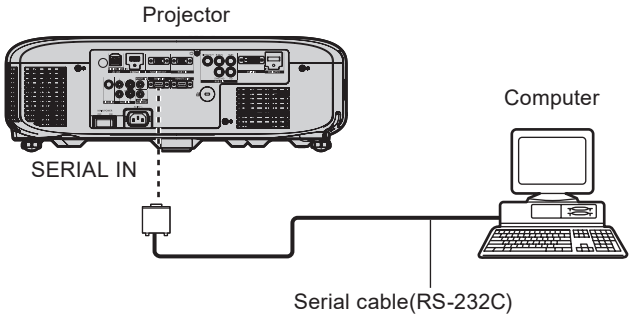
6. 2. System log data acquisition method

6. 2. 1. Equipment to be used

1. Computer : Use it for the collected log data.
2. Communication cable : D-sub 9pin (male/female RS-232C straight)
3. Service Software : [DataLogBackup.exe] Service software is downloaded from the projector service homepage.

6. 2. 2. Connection Preparations

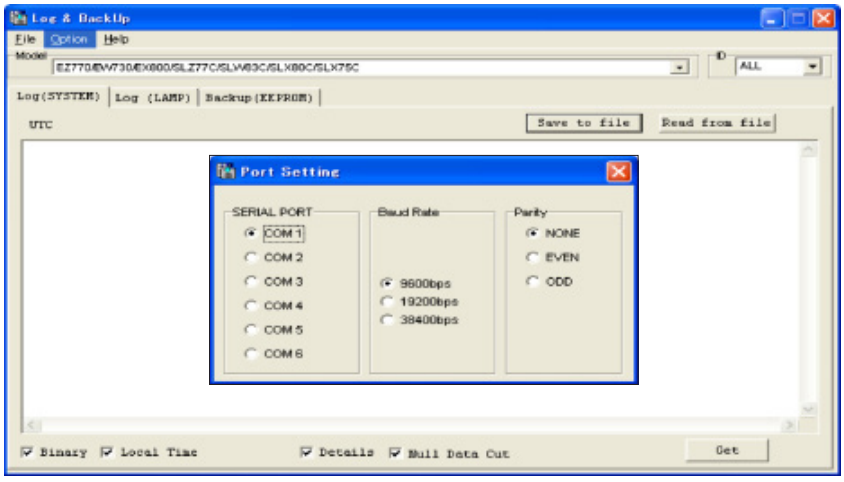
1. Confirm and make a note of "Projector ID" and "Transmission speed", "Parity setting".
2. Connect the serial terminals on the projector and the PC by using a communication cable.
   Attention:
   Please setup the computer not into standby or shutdown during the working.



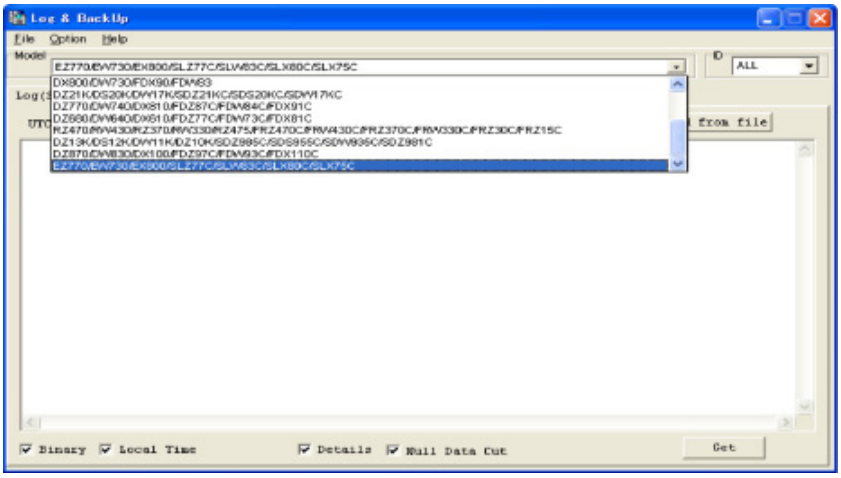
6. 2. 3. Acquisition of log data

1. Switch the projector to "Normal-Standby" mode (POWER indicator is Lighting in red).
2. Start up service software [DataLogBackup.exe] with a computer.

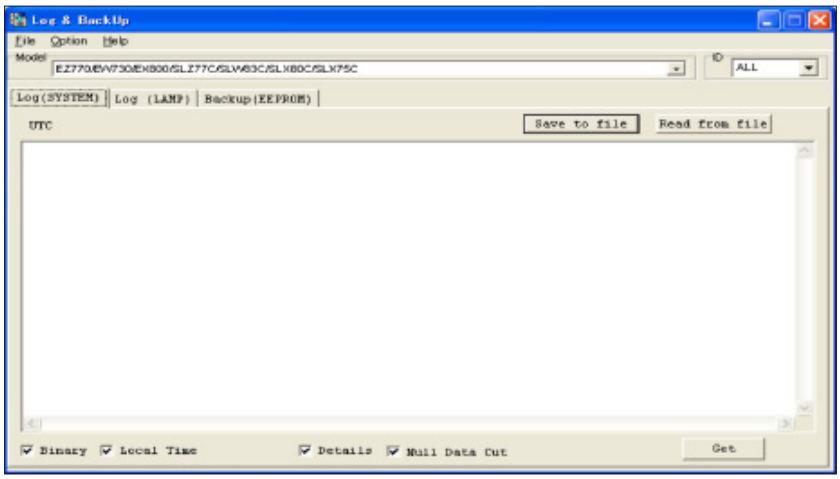
3. Select "Option " → " Setting" and set up Serial Port of the computer, Baud Rate and Parity.



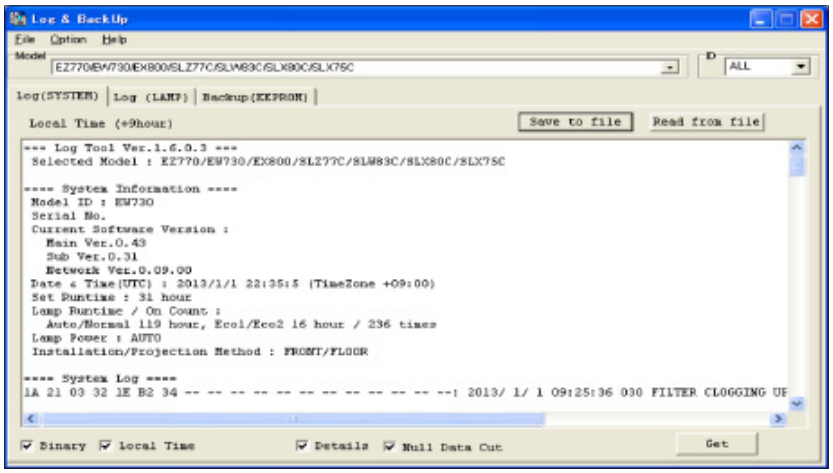
4. Select a model number and ID.



5. Select "Log (SYSTEM)" and click "Get" button



6. Log is displayed.



6. 2. 4. Error cord of system log

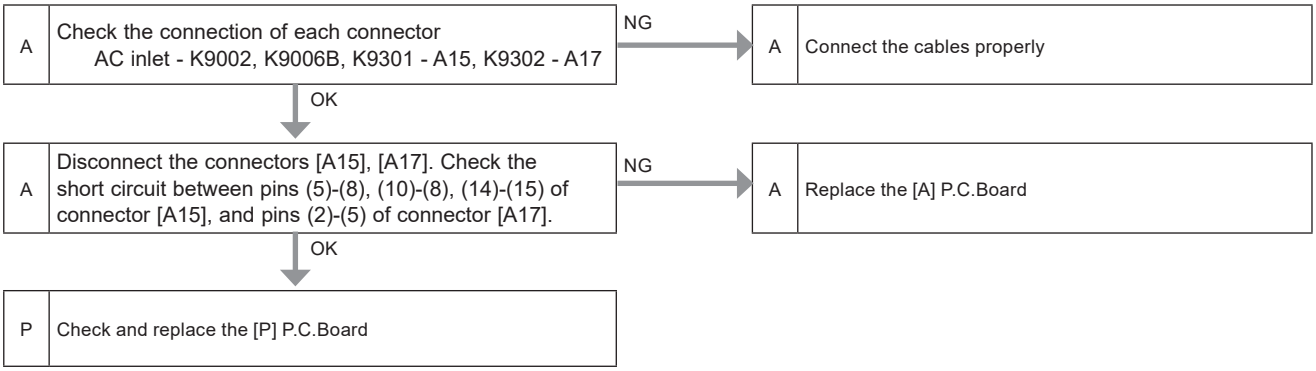
Bit	Error code (hex)		Factor	Description
0	LOWER	00000000 00000001	Intake air temperature warning	Internal temperature rising warning/ Error • The ventilation holds are blocked • Environment temperature is high • Air filter clogged
1		00000000 00000002	Not used	
2		00000000 00000004	Exhaust air temperature warning	
3		00000000 00000008	Not used	
4		00000000 00000010	Intake air temperature error	
5		00000000 00000020	Not used	
6		00000000 00000040	Exhaust air temperature error	
7		00000000 00000080	Not used	
8		00000000 00000100	Lamp runtime warning	The lamp runtime reaches 2 800 hours
9		00000000 00000200	Not used	
10		00000000 00000400	Not used	
11		00000000 00000800	Not used	
12		00000000 00001000	Lamp runtime has elapsed	The lamp runtime reaches 3 000 hours
13		00000000 00002000	Not used	
14		00000000 00004000	Not used	
15		00000000 00008000	Not used	
16		00000000 00010000	Lamp failure	Lamp failure
17		00000000 00020000	Not used	
18		00000000 00040000	Not used	
19		00000000 00080000	Not used	
20		00000000 00100000	Lamp ignition error	Lamp ignition error - There is a possibility that has restarted in hot state.
21		00000000 00200000	Not used	
22		00000000 00400000	Not used	
23		00000000 00800000	Not used	
24		00000000 01000000	No lamp installed	Lamp is not installed (can not read out the data from lamp memory) Wrong type lamp is installed
25		00000000 02000000	Not used	
26		00000000 04000000	Not used	
27		00000000 08000000	Not used	
28		00000000 10000000	Not used	
29		00000000 20000000	Lamp cover not installed securely	Lamp cover is not installed securely
30		00000000 40000000	Not used	
31		00000000 80000000	Not used	
32		0000000100000000	Intake air temperature sensor disconnected	Intake air temperature sensor disconnected
33		00000002 00000000	Not used	
34		00000004 00000000	Exhaust air temperature sensor disconnected	Exhaust air temperature sensor disconnected
35		00000008 00000000	Air filter clogged sensor disconnected	Air filter clogged sensor disconnected
36		00000010 00000000	Air filter clogged warning	Air filter may accumulate dust
37		00000020 00000000	Battery replacement for the internal clock	Remaining battery level is low
38		00000040 00000000	Angle sensor error	Angle sensor failure
39		00000080 00000000	Not used	
40		00000100 00000000	Air filter not installed	Air filter not installed
41		00000200 00000000	Not used	
42		00000400 00000000	FAN1(LCD R) error/warning	Fan or fan drive circuit has failure. Fan replacement time
43		00000800 00000000	FAN2(LCD G) error/warning	
44		00001000 00000000	FAN3(LCD B) error/warning	
45		00002000 00000000	FAN4(PBS) error/warning	
46		00004000 00000000	FAN5(LAMP1) error/warning	
47		00008000 00000000	FAN6(LAMP2) error/warning	
48		00010000 00000000	FAN7(POWER) error/warning	
49		00020000 00000000	FAN8(EXHST) error/warning	
50		00040000 00000000	Not used	
51		00080000 00000000	Not used	
52		00100000 00000000	Not used	
53		00200000 00000000	Not used	
54		00400000 00000000	Not used	
55		00800000 00000000	Not used	
56		01000000 00000000	Not used	
57		02000000 00000000	Not used	
58		04000000 00000000	Not used	
59		08000000 00000000	Not used	
60		10000000 00000000	Not used	
61		20000000 00000000	Not used	
62		40000000 00000000	Not used	
63		80000000 00000000	Not used	

Bit	Error code (hex)		Factor	Description
64		00000000 00000001	Not used	
65		00000000 00000002	Not used	
66		00000000 00000004	Mechanical shutter error	Mechanical shutter operation error
67		00000000 00000008	Iris error	Iris operation error
68		00000000 00000010	Not used	
69		00000000 00000020	Not used	
70		00000000 00000040	Not used	
71		00000000 00000080	Not used	
72		00000000 00000100	Lamp not initialized	Lamp memory is not initialized
73		00000000 00000200	Not used	
74		00000000 00000400	Not used	
75		00000000 00000800	Not used	
76		00000000 00001000	Not used	
77		00000000 00002000	Not used	
78		00000000 00004000	Not used	
79		00000000 00008000	Not used	
80		00000000 00010000	FPGA configuration error	Signal processing part error
81		00000000 00020000	Not used	
82		00000000 00040000	Not used	
83		00000000 00080000	Not used	
84		00000000 00100000	Not used	
85		00000000 00200000	Not used	
86		00000000 00400000	Lens mounter operation error	• Motor operation error • Position detection sensor error
87		00000000 00800000	Ballast communication error	Communication error on ballast unit
88		00000000 01000000	Not used	
89		00000000 02000000	Not used	
90		00000000 04000000	Not used	
91		00000000 08000000	Light output limit	Intake air temperature is higher than 40°C
92		00000000 10000000	Not used	
93		00000000 20000000	Not used	
94		00000000 40000000	Not used	
95	UPPER	00000000 80000000	Installation angle warning	Projector tilted more than ± 15°
96		00000001 00000000	Not used	
97		00000002 00000000	Not used	
98		00000004 00000000	Sub microprocessor communication error	Communication error on sub-microprocessor
99		00000008 00000000	IIC communication error 1 (RTC)	Device operation failure on signal processing part
100		00000010 00000000	IIC communication error 2 (EEPROM)	
101		00000020 00000000	IIC communication error 3 (LAMP1 EEPROM)	
102		00000040 00000000	Not used	
103		00000080 00000000	Not used	
104		00000100 00000000	Not used	
105		00000200 00000000	IIC communication error 7(EDID DIGITAL)	
106		00000400 00000000	IIC communication error 8(EDID ANALOG)	
107		00000800 00000000	IIC communication error 9(ADC1)	
108		00001000 00000000	IIC communication error 10(ADC2)	
109		00002000 00000000	IIC communication error 11(Angle sensor)	
110		00004000 00000000	IIC communication error 12(Pressure sensor)	Disconnecting connector/cable
111		00008000 00000000	IIC communication error13(HDBaseT)	Device failure
112		00010000 00000000	IIC communication error14(DisplayPort)	
113		00020000 00000000	IIC communication error15(ANALOG SW)	
114		00040000 00000000	IIC communication error 16(AUdio amp.)	
115		00080000 00000000	A-P.C. board not initialized	EEPROM not initialized
116		00100000 00000000	Not used	
117		00200000 00000000	Not used	
118		00400000 00000000	Not used	
119		00800000 00000000	Not used	
120		01000000 00000000	Not used	
121		02000000 00000000	Not used	
122		04000000 00000000	Not used	
123		08000000 00000000	Not used	
124		10000000 00000000	Not used	
125		20000000 00000000	Not used	
126		40000000 00000000	Not used	
127		80000000 00000000	Internal error (Used for main microprocessor)	Error "Axx" occurs

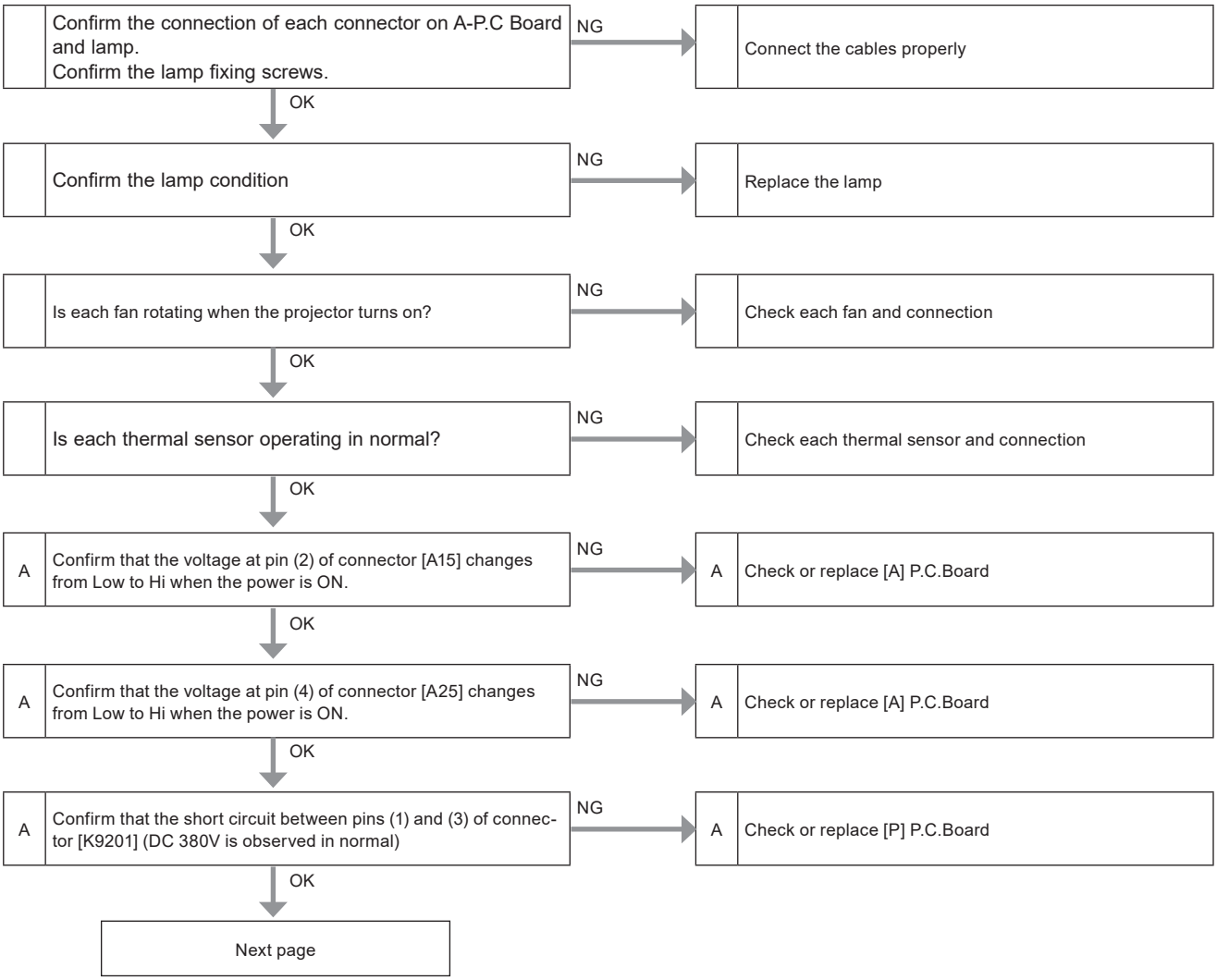
6. 3. Troubleshooting

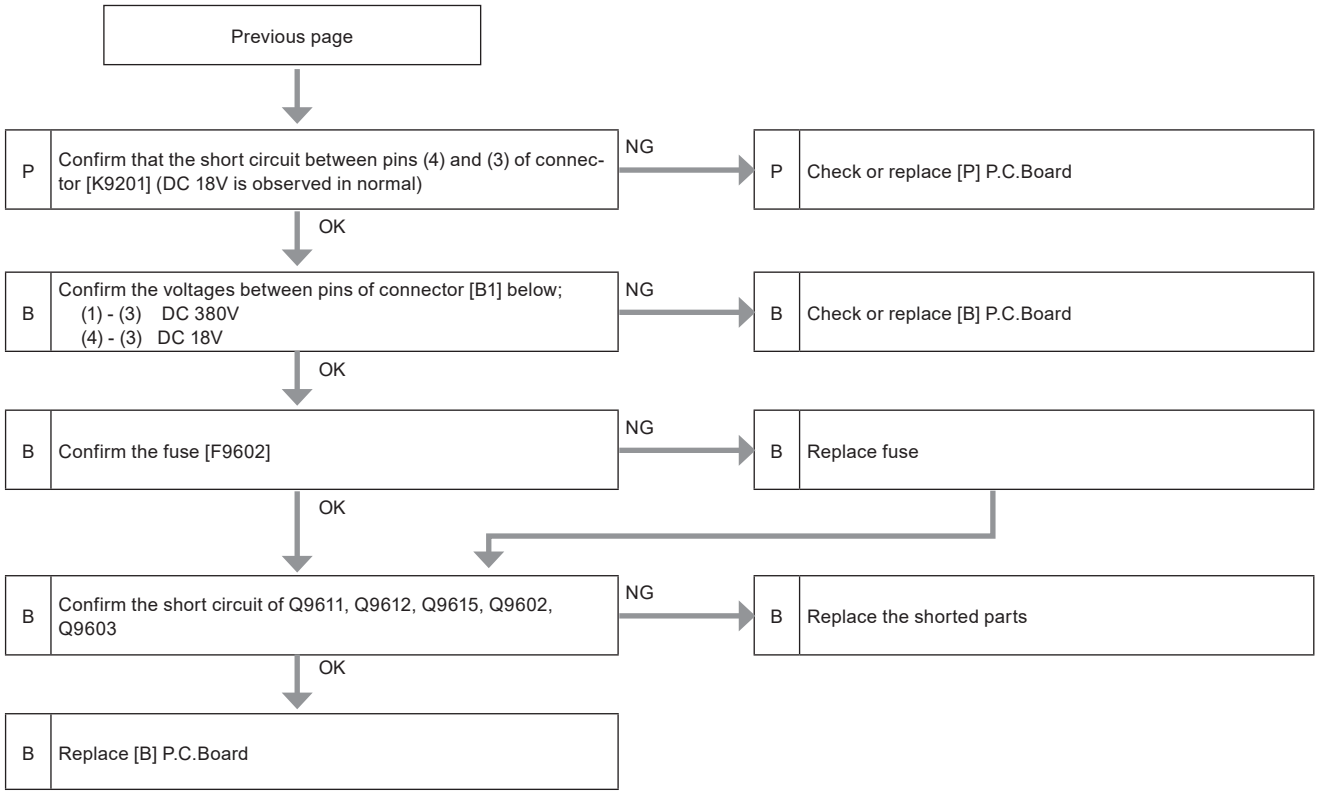
* The letters in the left of inspection items indicate the P.C. Boards related to their respective descriptions.
* Please check items with the interlock switch on.

■ Power does not turn ON. ([POWER] LED does not light in red)

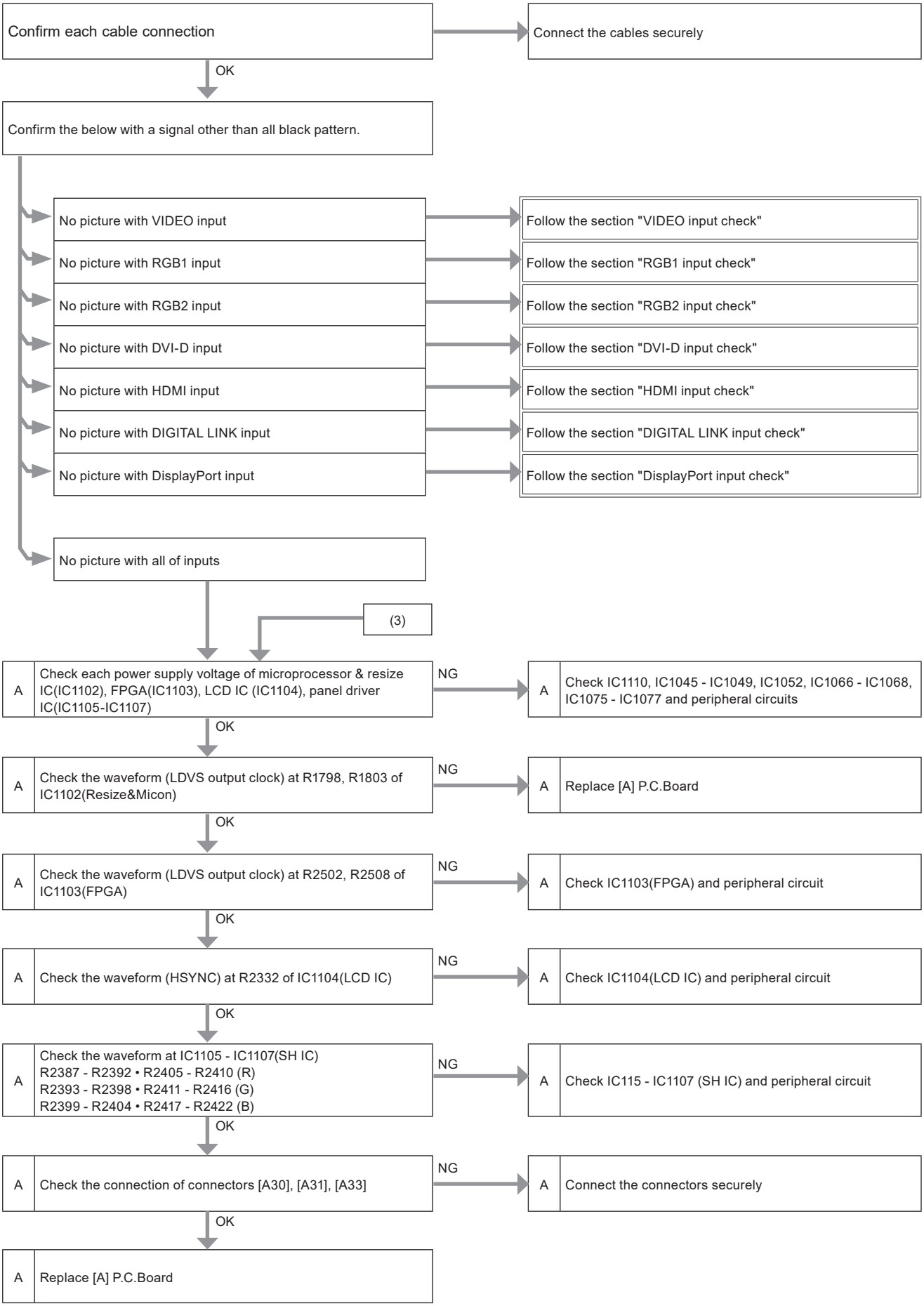


■ Lamp does not turn ON.

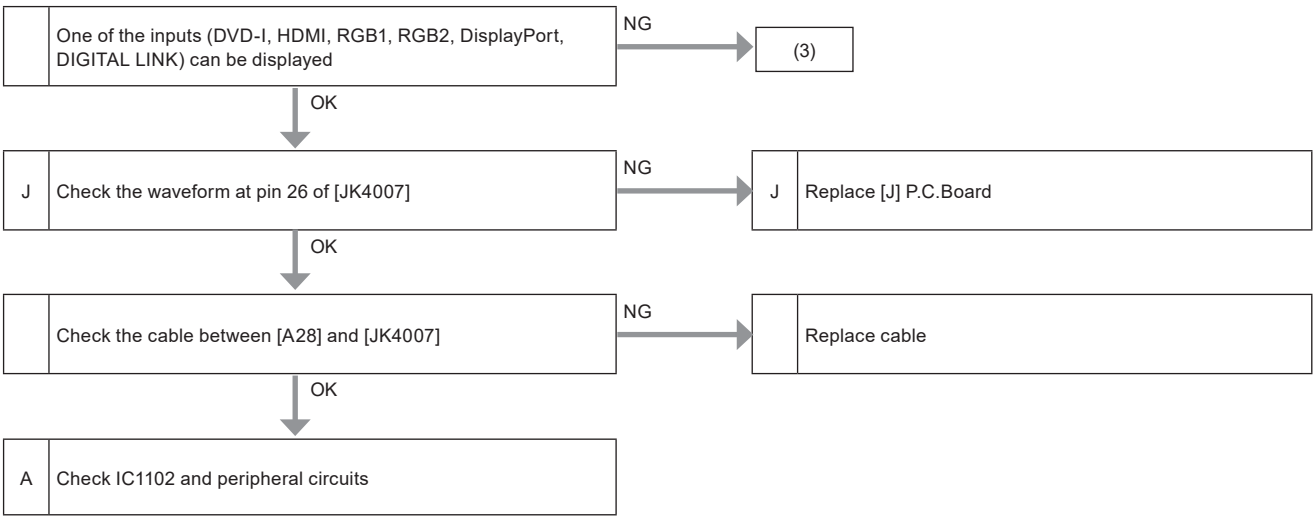



Previous page
P
Confirm that the short circuit between pins (4) and (3) of connector [K9201] (DC 18V is observed in normal)
NG
P
Check or replace [P] P.C.Board
OK
B
Confirm the voltages between pins of connector [B1] below;
(1) - (3) DC 380V
(4) - (3) DC 18V
NG
B
Check or replace [B] P.C.Board
OK
B
Confirm the fuse [F9602]
NG
B
Replace fuse
OK
B
Confirm the short circuit of Q9611, Q9612, Q9615, Q9602, Q9603
NG
B
Replace the shorted parts
OK
B
Replace [B] P.C.Board

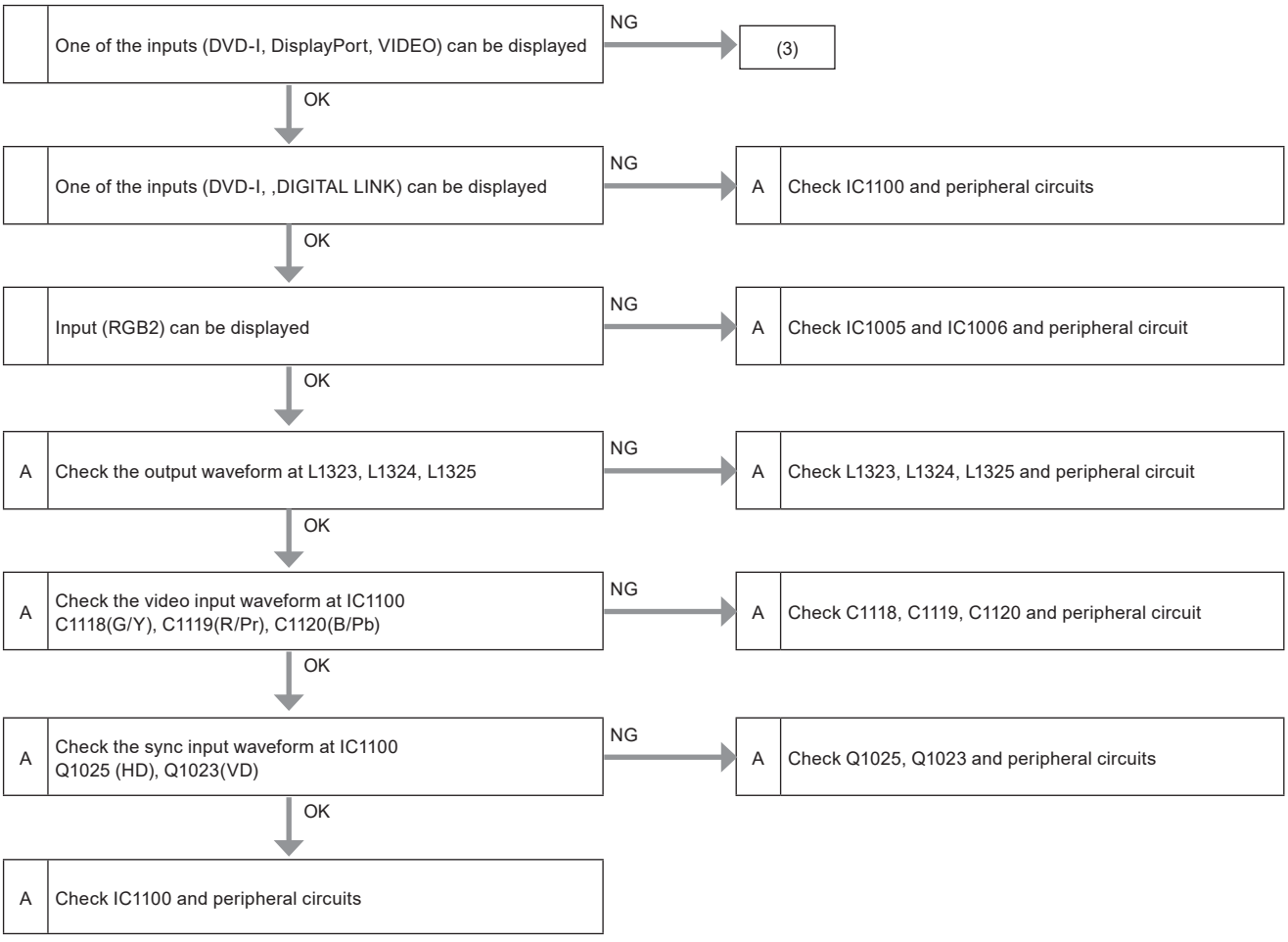
■ No picture or abnormal picture is output



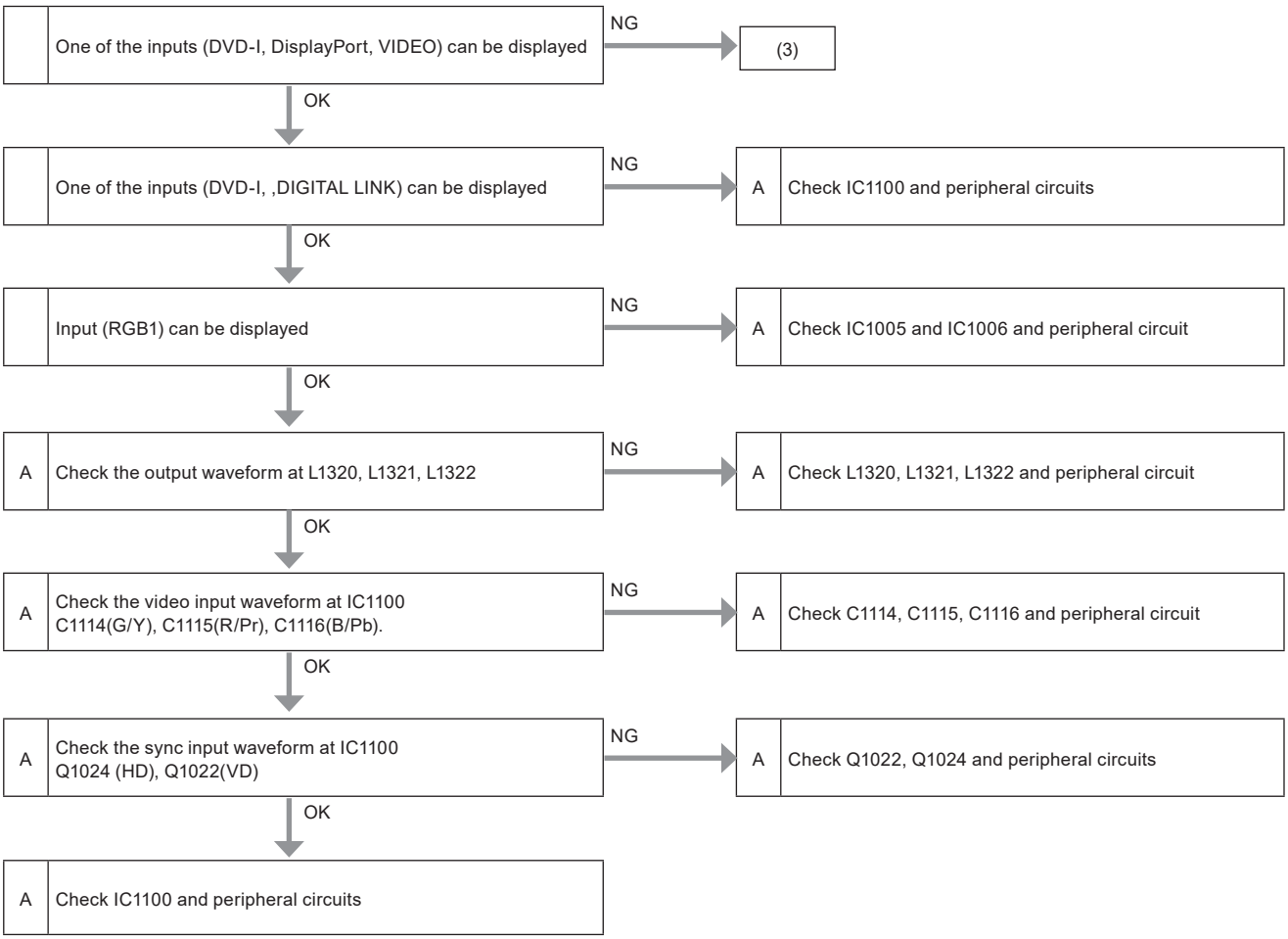
■ VIDEO input check



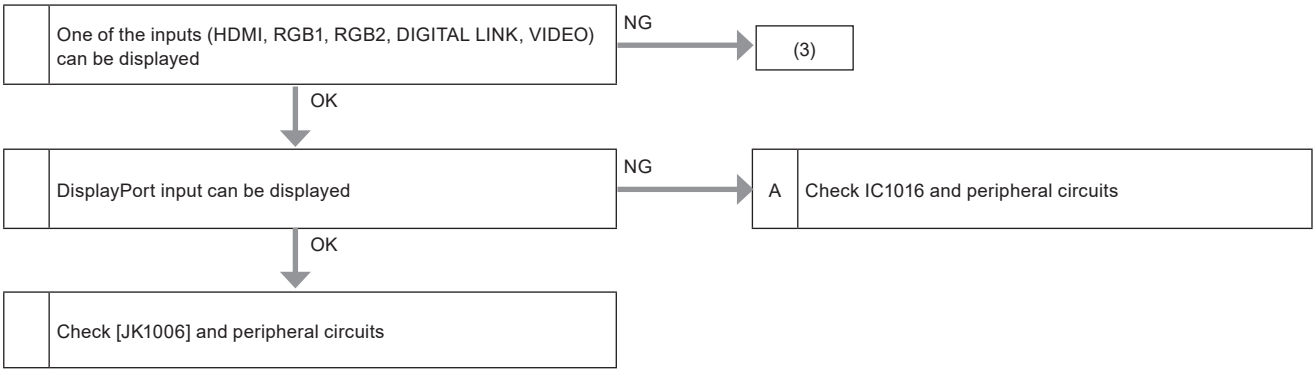
■ RGB1 input check



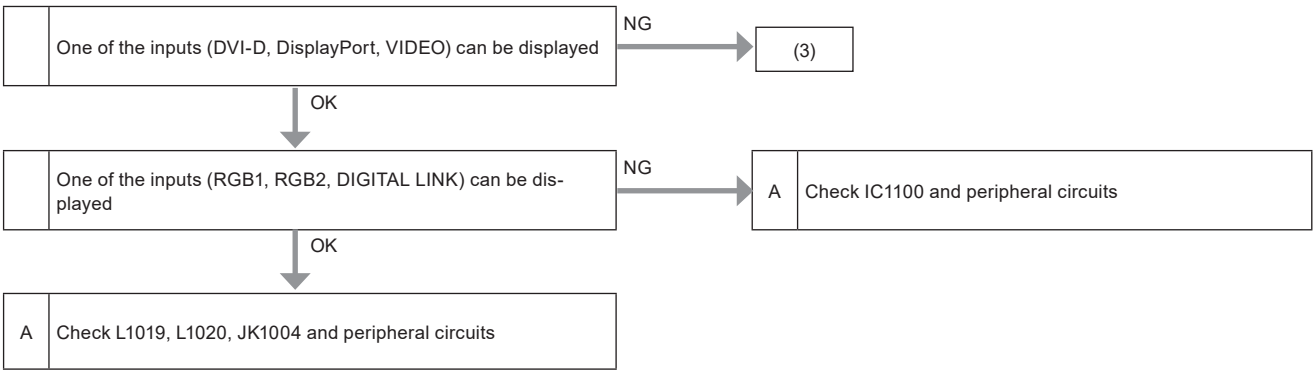
■ RGB2 input check



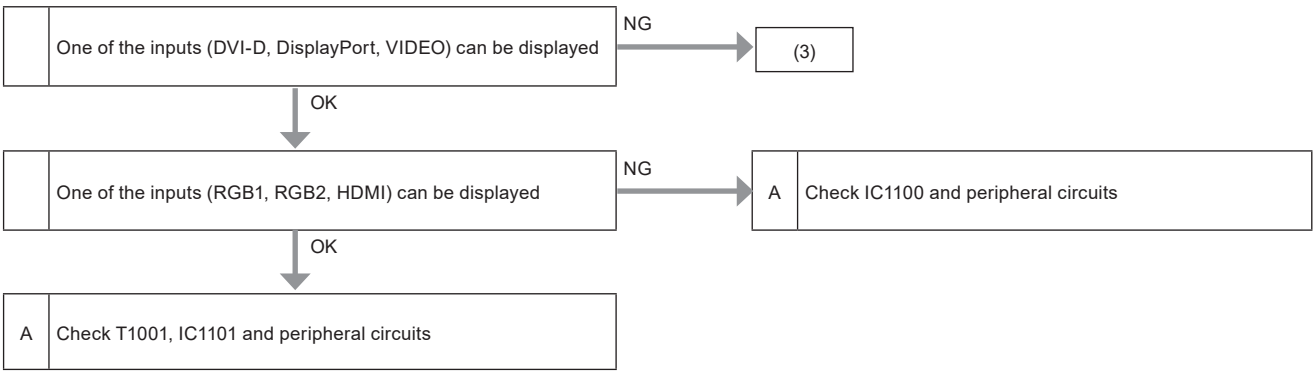
■ DVI-D input check



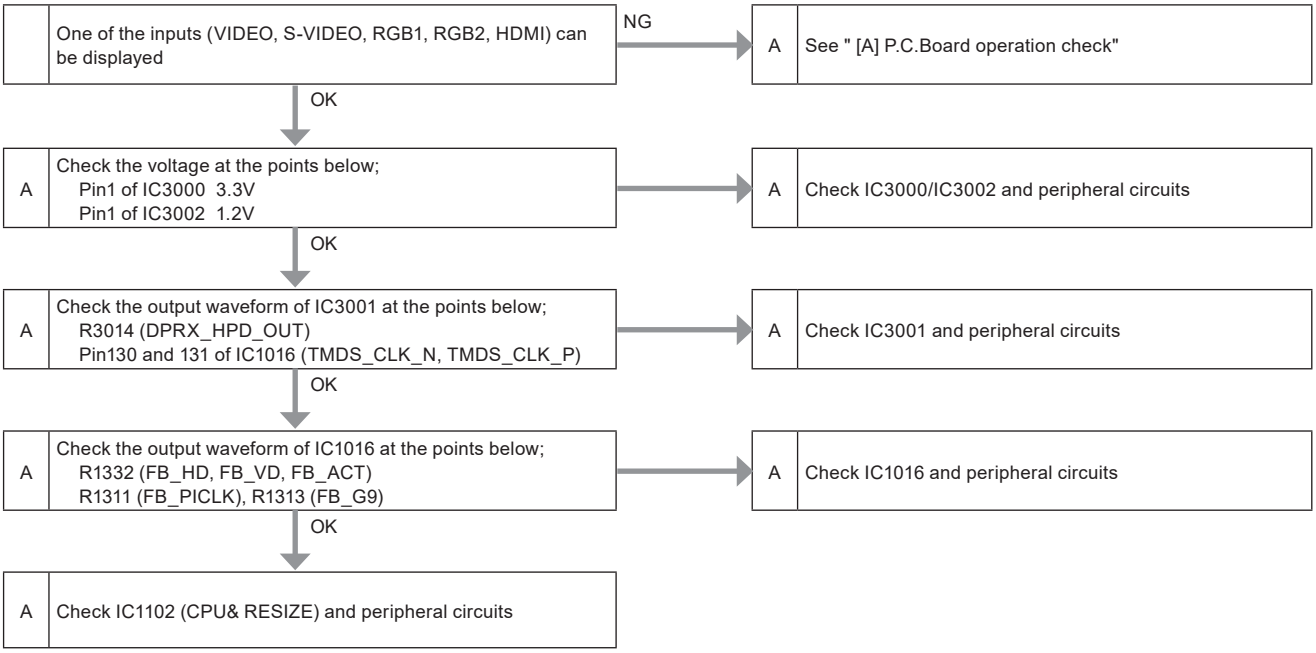
■ HDMI input check



■ DIGITAL LINK input check



■ DisplayPort input check



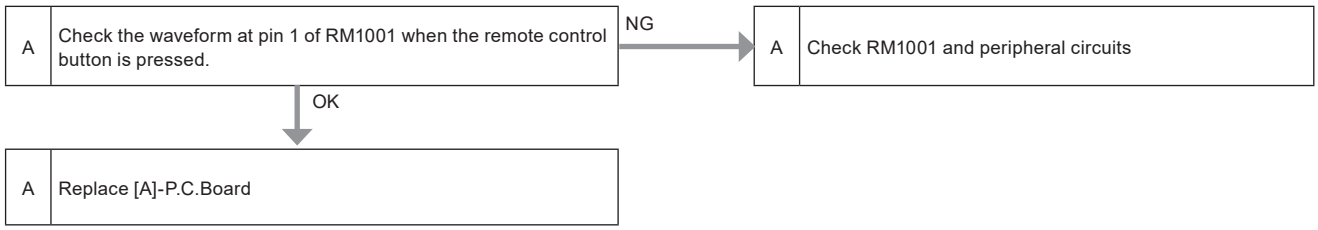
■ [A] P.C.Board operation check

A	Check the clock waveform around IC1102 X1008 : 35.455MHz R1709: 24.576MHz R1713 : 40.3MHZ	NG →	A	Check IC1102, X1008 and peripheral circuits
↓ OK				
A	Check the clock waveform at the point below; <EZ770> R1803 (LVDS_CK) 76.819MHz <EW730/EX800> R1803 (LVDS?CK) 53.183MHZ	NG →	A	Check IC1400 and peripheral circuits
↓ OK				
A	Check the waveform (LVDS output) at R2502, R2508	NG →	A	Check IC1103 (FPGA) and peripheral circuits
↓ OK				
A	Check the clock waveform around IC1104 R2224 : 33.3MHz R2225: 25MHz IC1104-D28 : 60HZ	NG →	A	Check IC1104, X1009, X1010 and peripheral circuits

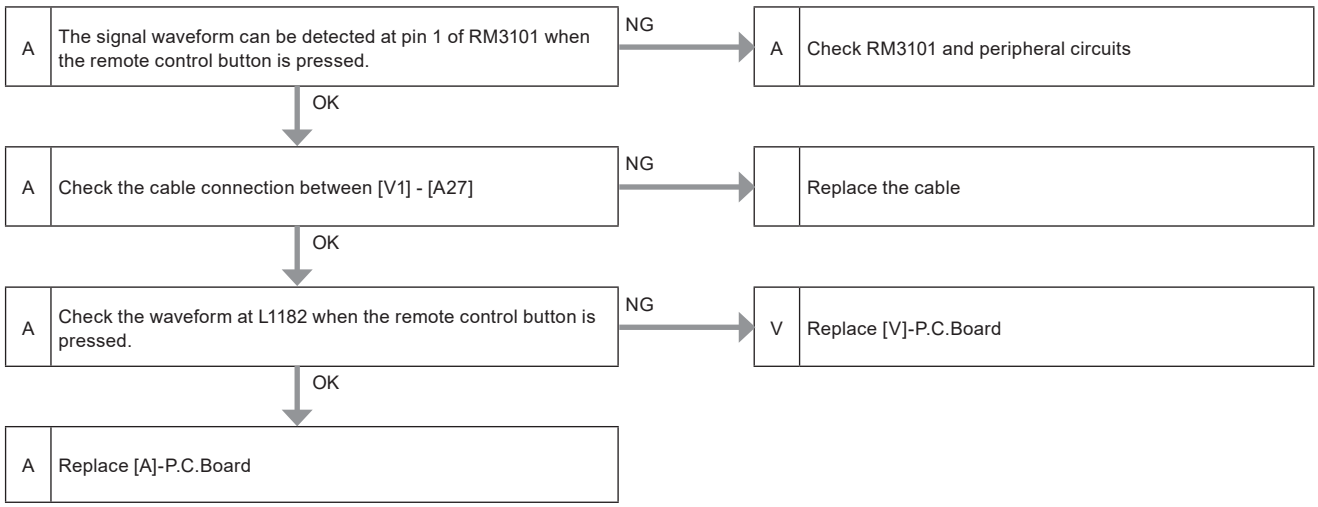
■ Main microprocessor check

A	Check the voltage (DC 6.0V) at pins 4, 5, 6 of connector [A15]	NG →	A	Replace the cable between [K9301] - [A15] Replace [P] P.C.Board
↓ OK				
A	Check the clock signal (35.455MHz} at R1712	NG →	A	Check X1008 and peripheral circuits
↓ OK				
A	Check the voltage (DC 1.2V) at L1079	NG →	A	Check IC1045 and peripheral circuits
↓ OK				
A	Check the voltage (DC 1.8V) at L1082	NG →	A	Check IC1046 and peripheral circuits
↓ OK				
A	Check the voltage (DC 3.3V) at L1076	NG →	A	Check Q1047, Q1048, IC1052 and peripheral circuits
↓ OK				
A	Check the voltage (DC 3.3V) at pin 1 of IC1031 (RESET)	NG →	A	Check IC1031 and peripheral circuits
↓ OK				
A	Check the voltages (DC 3.3V) at pins 11, 18, 29 and 55 of IC1030(SUB CPU)	NG →	A	Check IC1030 and peripheral circuits
↓ OK				
A	Check IC1043 (FLASH ROM) and peripheral circuit.	NG →	A	Check IC1102 (CPU & RESIZE) and peripheral circuits

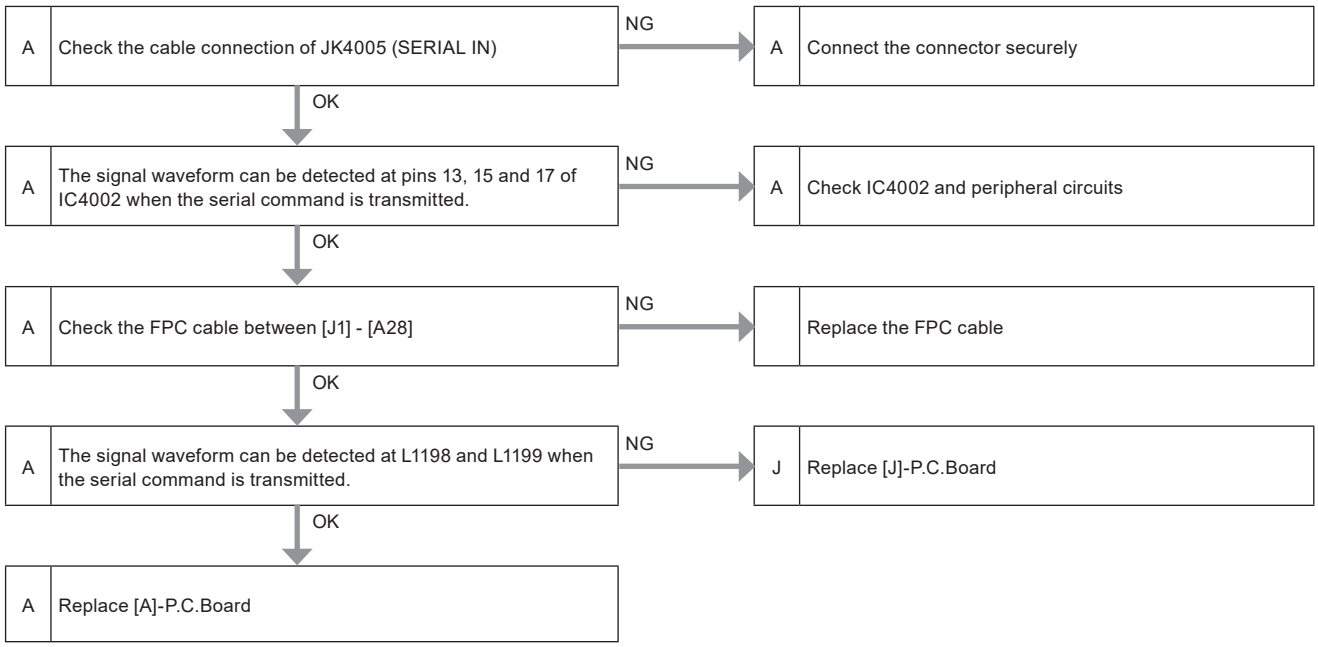
■ Remote control does not respond (Not respond only from rear side of the projector)



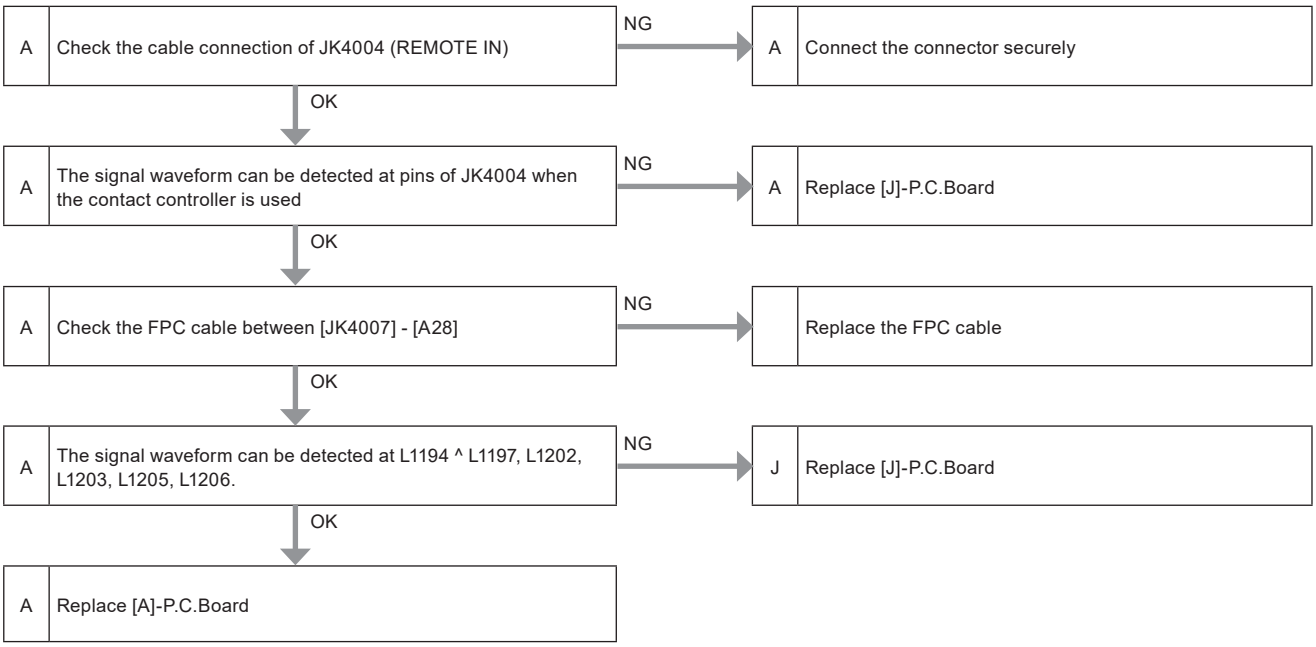
■ Remote control does not respond (Not respond only from front side of the projector)



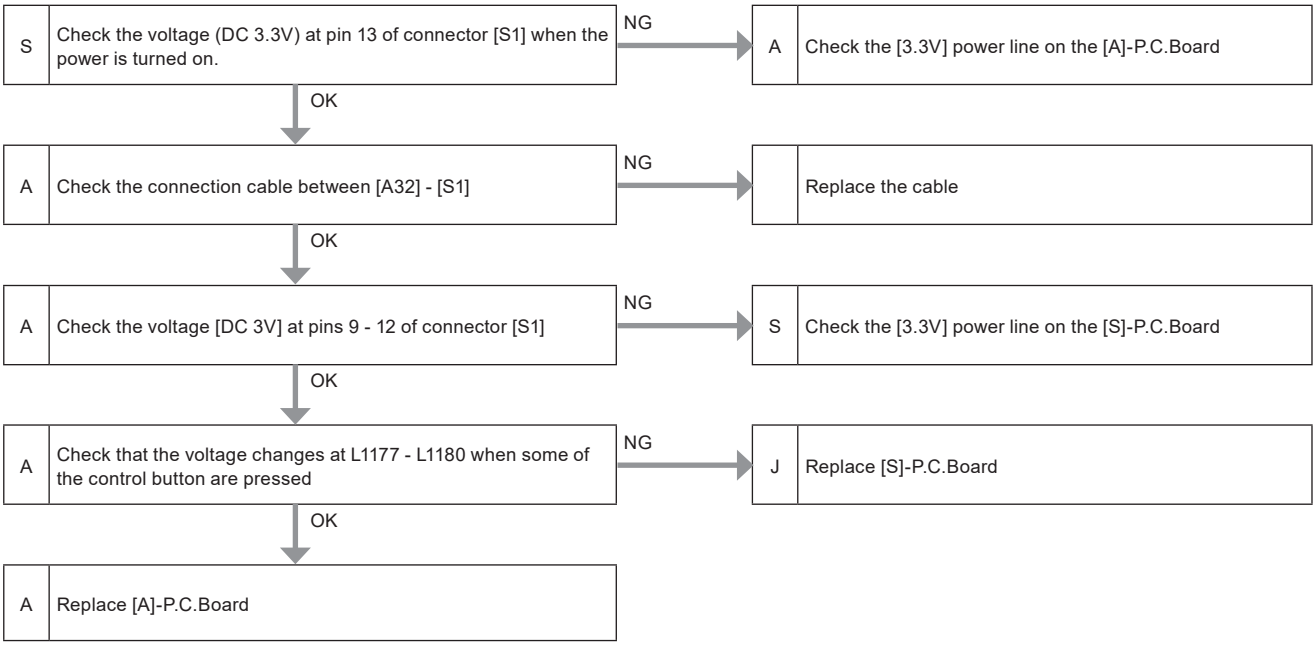
■ SERIAL IN does not respond



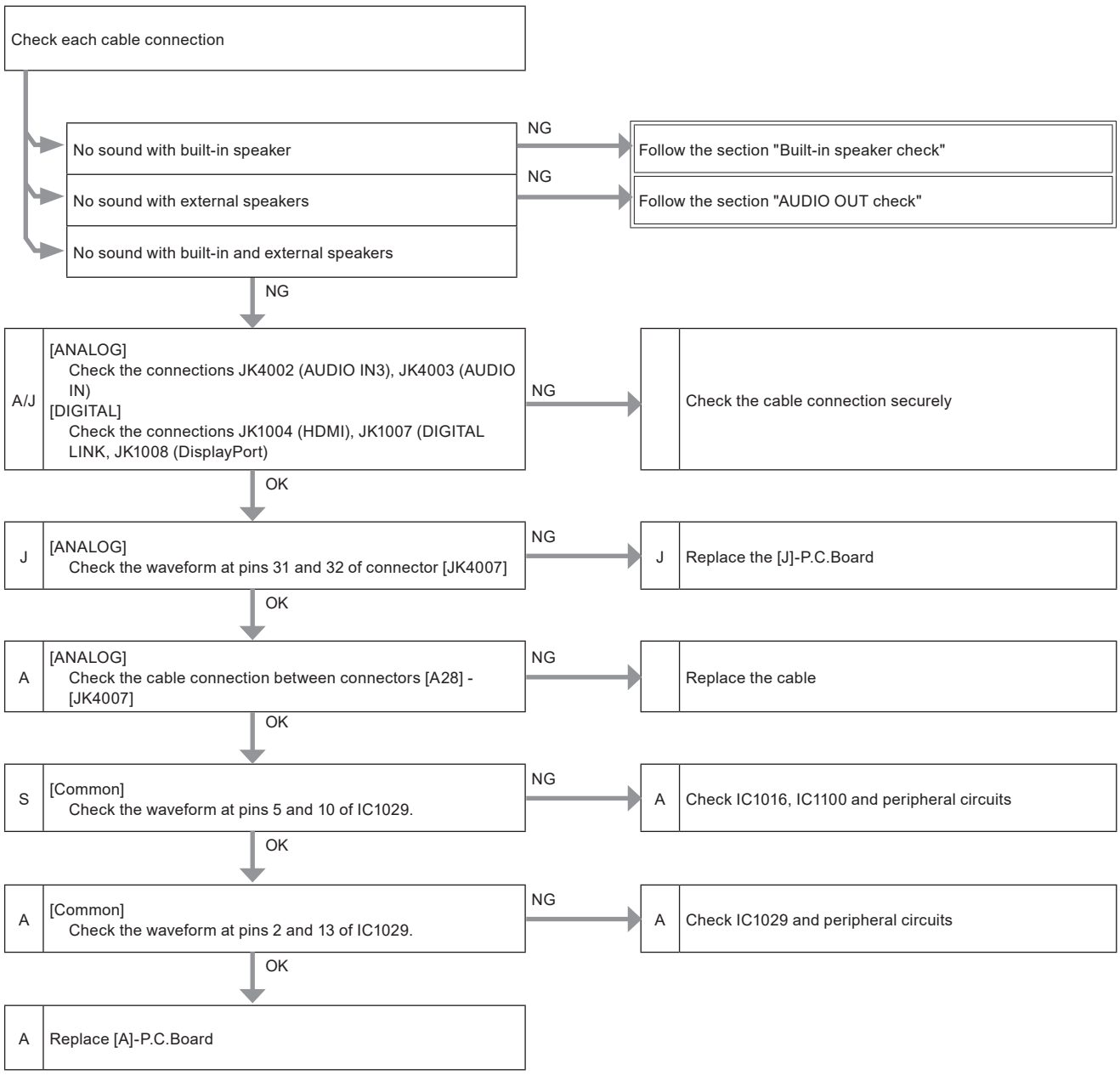
■ REMOTE IN does not respond



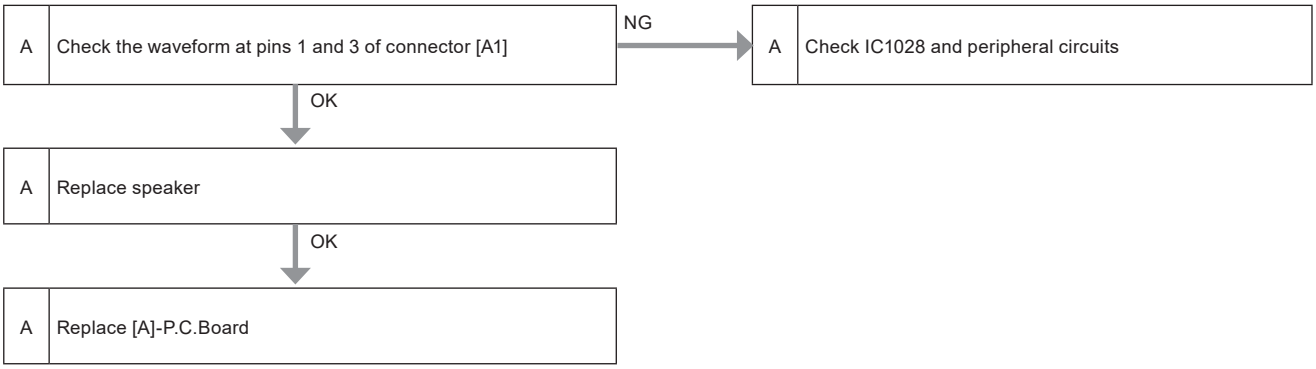
■ Controls of side panel does not respond



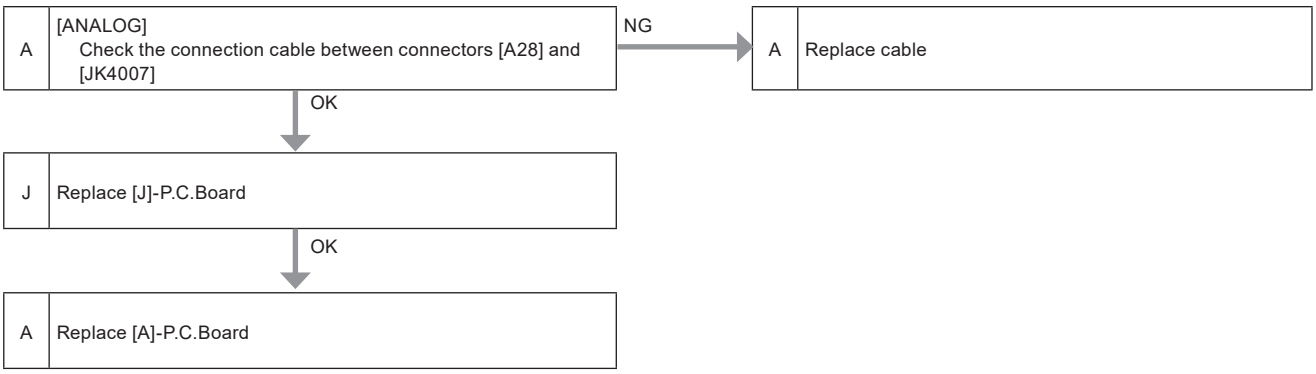
■ No sound


Check each cable connection
No sound with built-in speaker
No sound with external speakers
No sound with built-in and external speakers
NG
Follow the section "Built-in speaker check"
NG
Follow the section "AUDIO OUT check"
NG
A/J
[ANALOG]
Check the connections JK4002 (AUDIO IN3), JK4003 (AUDIO IN)
[DIGITAL]
Check the connections JK1004 (HDMI), JK1007 (DIGITAL LINK, JK1008 (DisplayPort)
NG
Check the cable connection securely
OK
J
[ANALOG]
Check the waveform at pins 31 and 32 of connector [JK4007]
NG
J
Replace the [J]-P.C.Board
OK
A
[ANALOG]
Check the cable connection between connectors [A28] - [JK4007]
NG
Replace the cable
OK
S
[Common]
Check the waveform at pins 5 and 10 of IC1029.
NG
A
Check IC1016, IC1100 and peripheral circuits
OK
A
[Common]
Check the waveform at pins 2 and 13 of IC1029.
NG
A
Check IC1029 and peripheral circuits
OK
A
Replace [A]-P.C.Board

■ Built-in speaker check



■ AUDIO OUT check



SECTION 2 DISASSEMBLY PROCEDURES

Disassembly Procedures

Model No. PT-EZ770Z / PT-EZ770ZL
PT-EW730Z / PT-EW730ZL
PT-EX800Z /PT-EX800ZL

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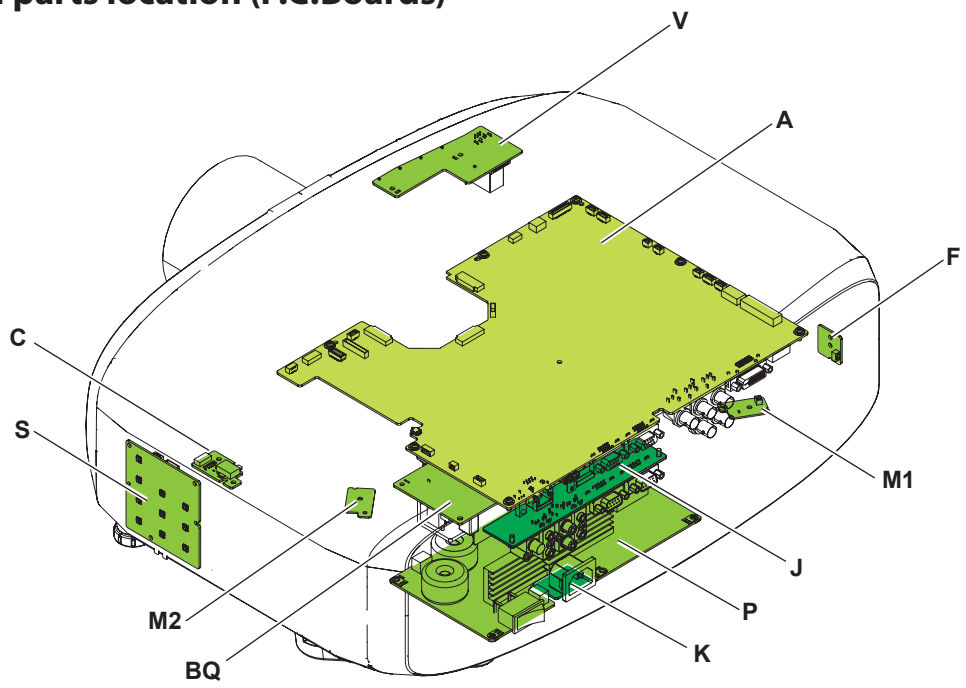
3.6. Parts location and direction in the lighting case
<Cable reforming> DIS-22

(2013-11)

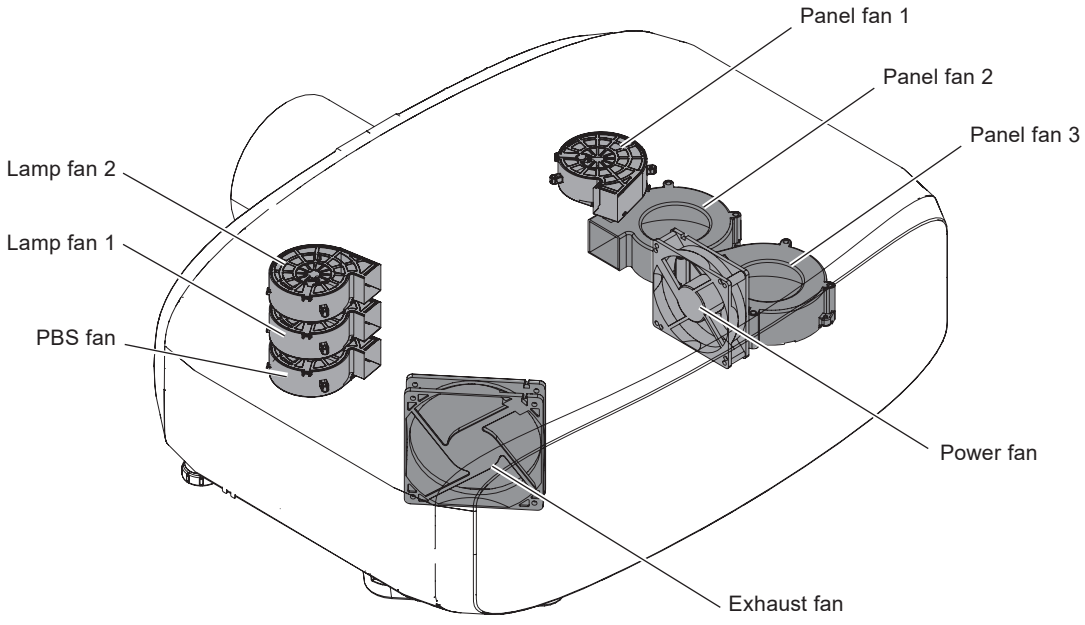
1. Parts Locations

1.1. Electrical parts location (P.C.Boards)

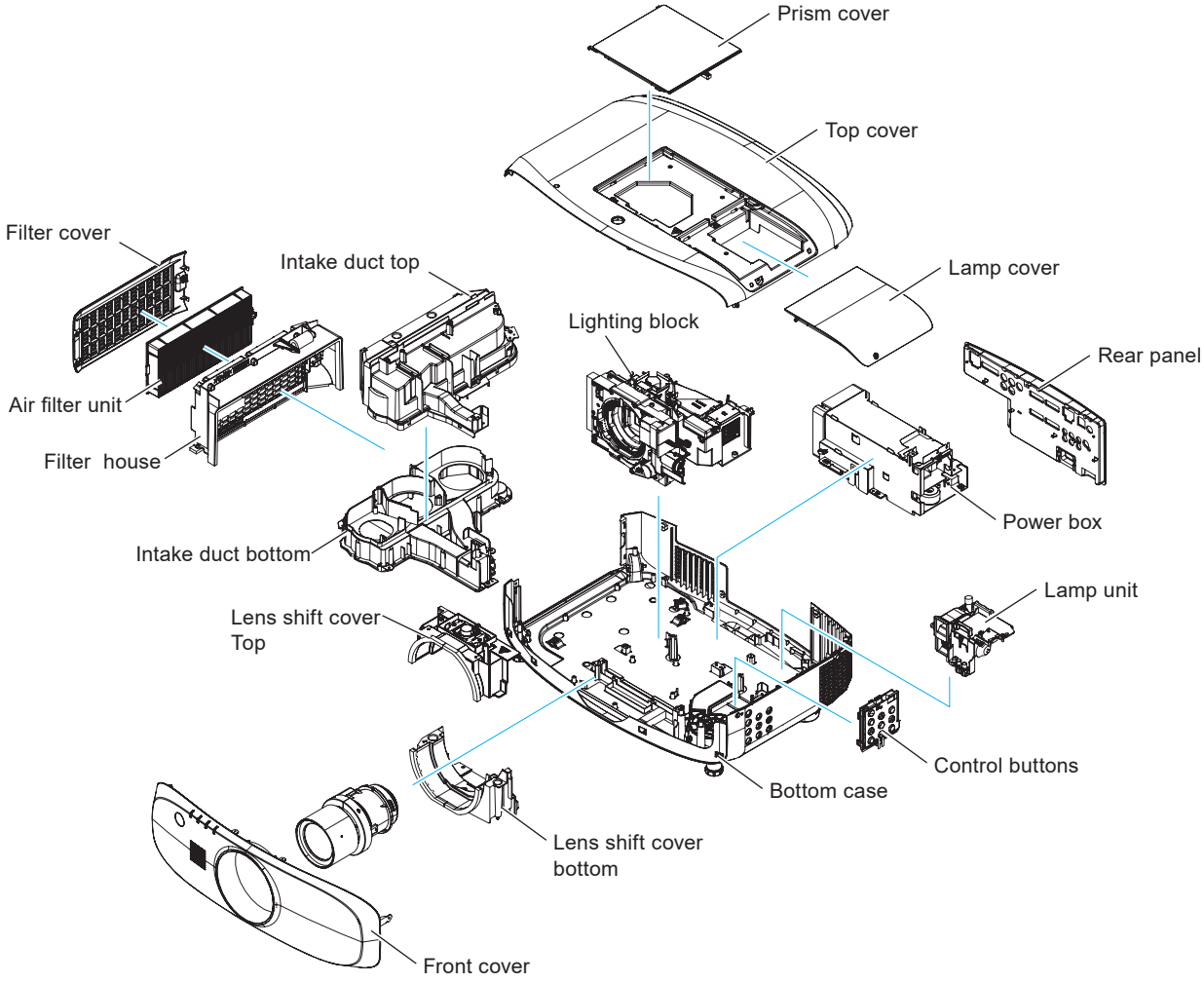


Board name	Function summary	Board name	Function summary
A	Image processingsystem / CPU	P	Power supply
J	Signal input terminals	BQ	Ballast power / Ballast control
S	Control panel	K	AC inlet
V	Status LED / IR receiver	M1	Temperature sensor (Intake air)
M2	Temperaturesensor (Exhaust air)	M3	Air flow sensor
F	Filter switch detection	C	Lamp memory connection

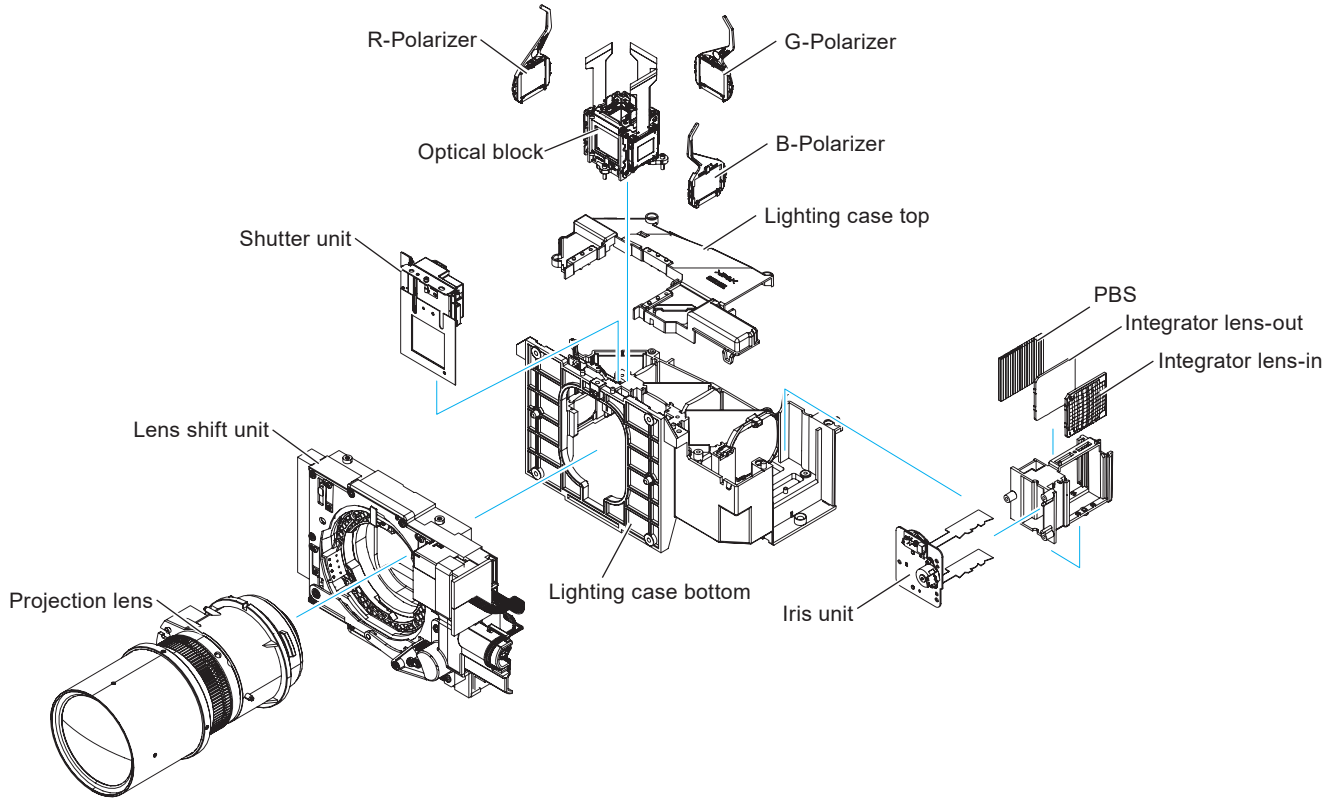
1.2. Electrical parts location (Fans)



1.3. Mechanical parts location



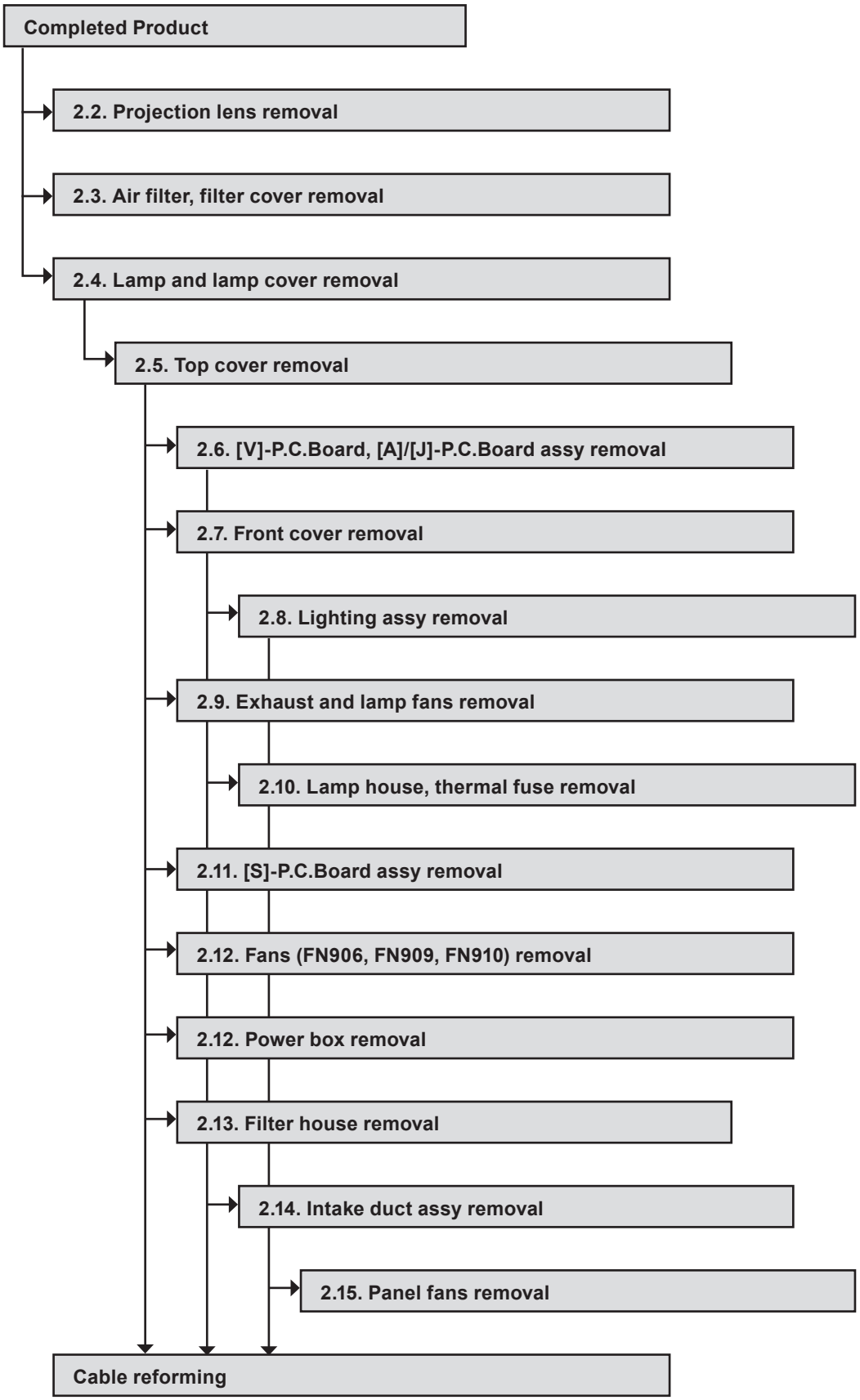
1.4. Optical parts location



2. Mechanical and Electrical Parts Disassembly

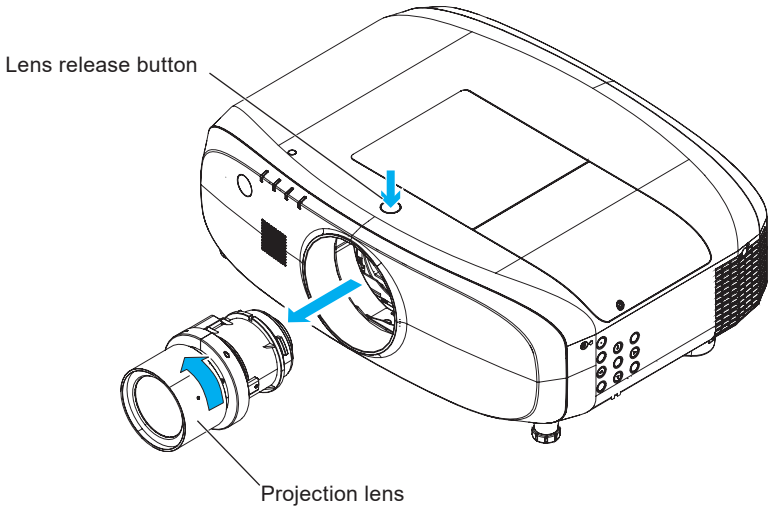
2.1. Disassembly flow chart

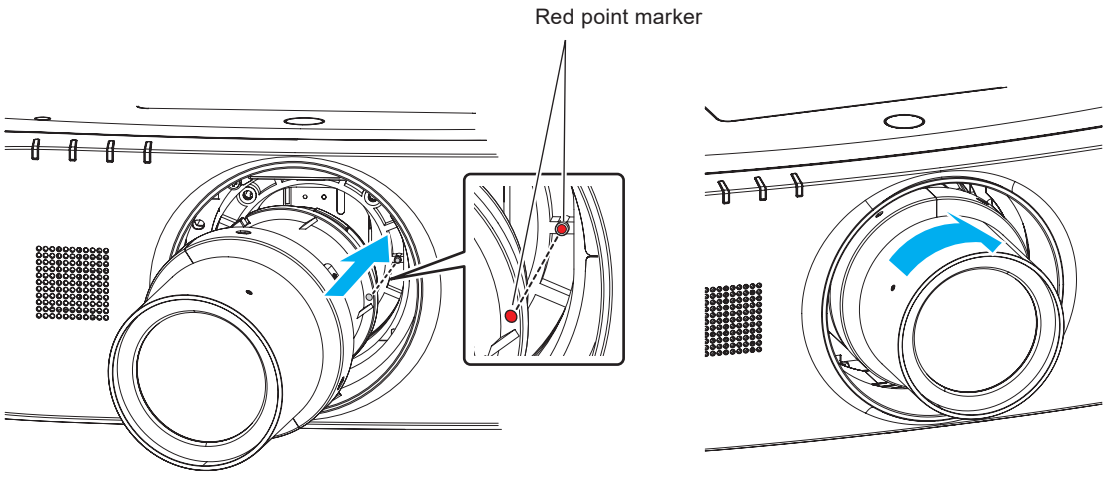
* Before Disassembly the projector, turn off the POWER switch and disconnect the power plug from the wall outlet.
* To assemble, reverse the disassembly procedures.
* When tore off sticky tapes, please use a new thing without reusing it on the occasion of assembling.



2.2. Projection lens removal

1. Press and hold the lens release button and turn the projection lens counterclockwise gently to the end and take it out.





Attaching the lens

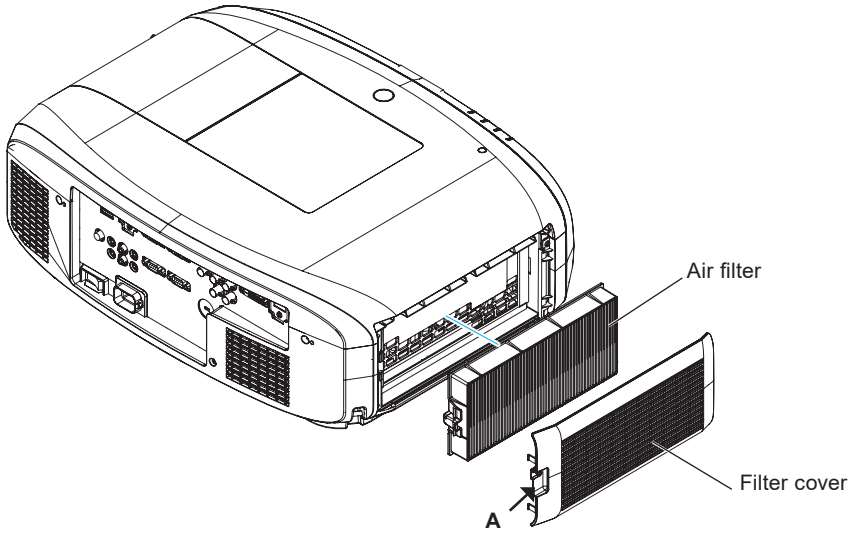
1. Align the red mark on the Projection Lens with the red mark on the projector, and insert the Projection Lens as far as possible.
2. Turn clockwise to the end.

Note:
Do not press the lens release button when attaching the lens.

2.3. Air filter, filter cover removal

A		SMXAA309R0SAD (4120796409)

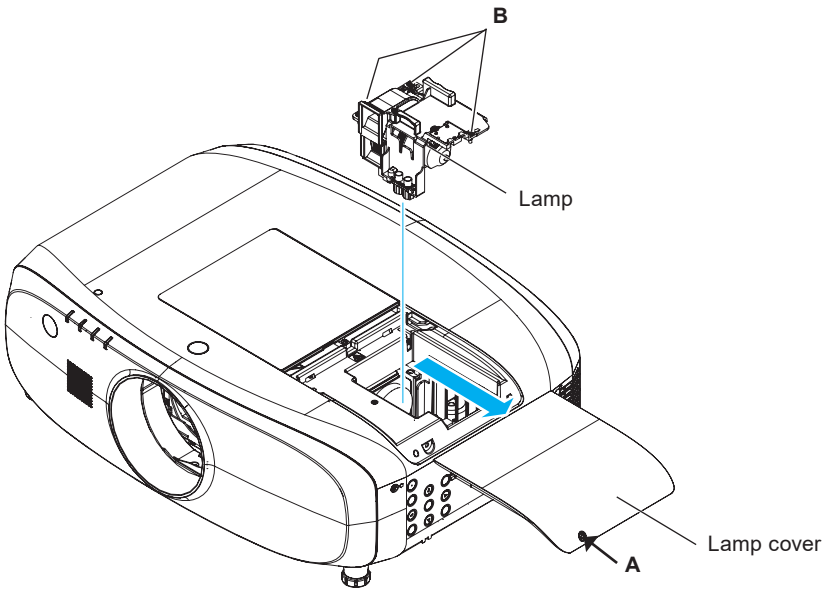
1. Loosen 1 screw-A and remove the filter cover.
2. Unhook the hook of air filter and take it out.



2.4. Lamp and lamp cover removal

A		SMXAA309R0SAD (4120796409)
B		THEL110J

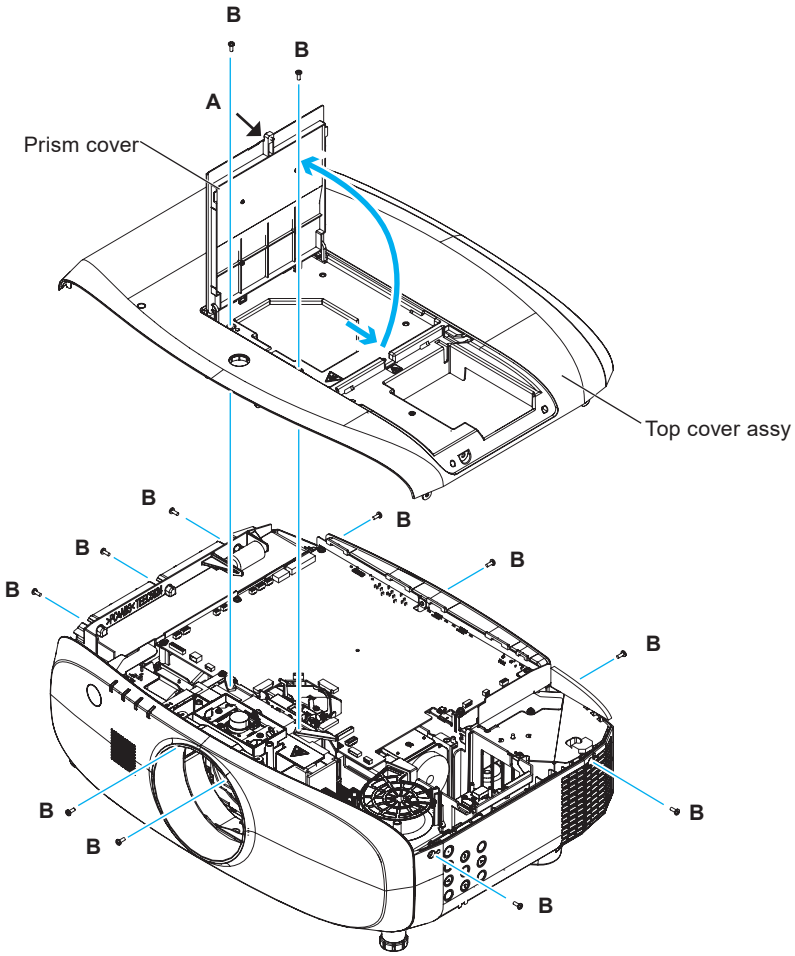
1. Loosen 1 screw-A and open the lamp cover to slide it in the arrow direction.
2. Loosen 3 screws-B on the lamp and pull it upward off.



2.5. Top cover removal

A		SMXAA309R0SAD (4120796409)
B		XSB3+8FN

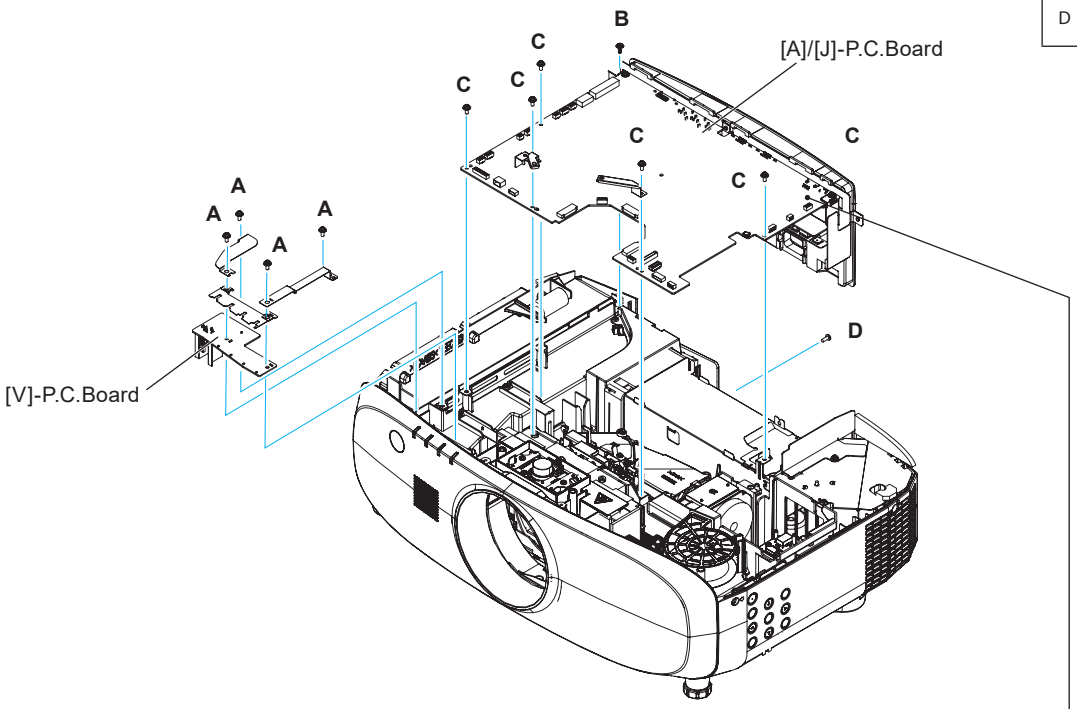
1. Loosen 1 screw-A and slide the prism cover in the direction and open it.
2. Remove 12 screws-B and take the top cover assy upward.

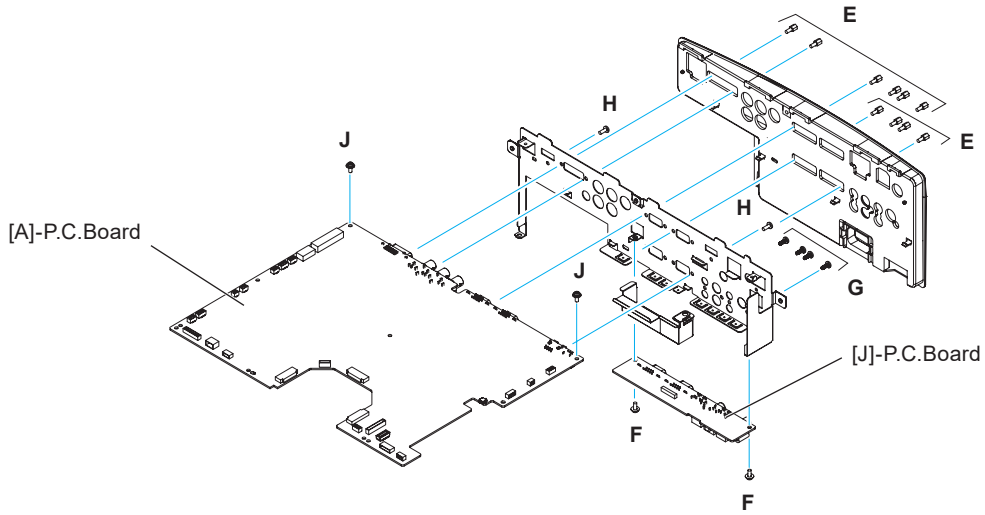


2.6. [V]-P.C.Board, [A]/[J]-P.C.Board assy removal

1. Remove 4 screws-A and remove [V]-P.C.Board.
2. Remove 1 screw-B and 6 screws-C and 1 screw-D and remove [A]/[J]-P.C.Board assy upward off.

A		XYN3+F8FJ
B		XYC3+FG12FN
C		XYN3+F12FJ
D		XSB3+8FN



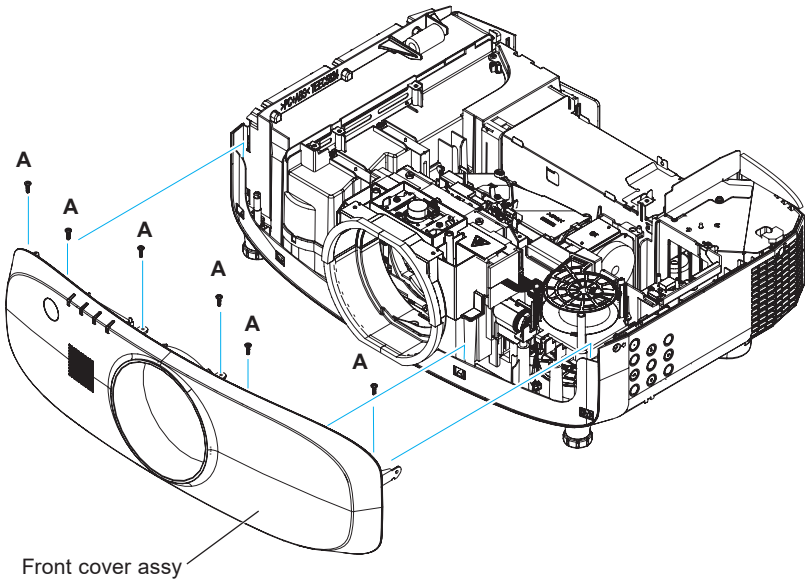


E		THEC198N
F J		XYN3+F8FJ
G		XTB3+8GFJ
H		XSB3+8FN

2.7. Front cover removal

A		XTB3+8GFJ

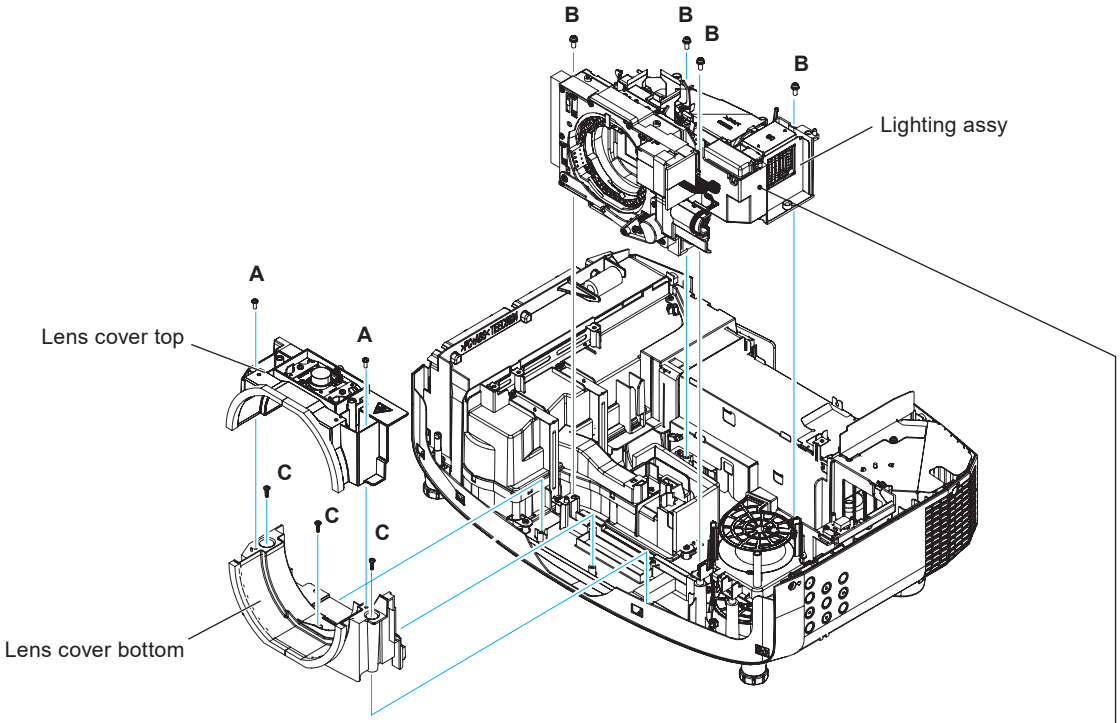
1. Remove 6 screws-A and remove the front cover assy.



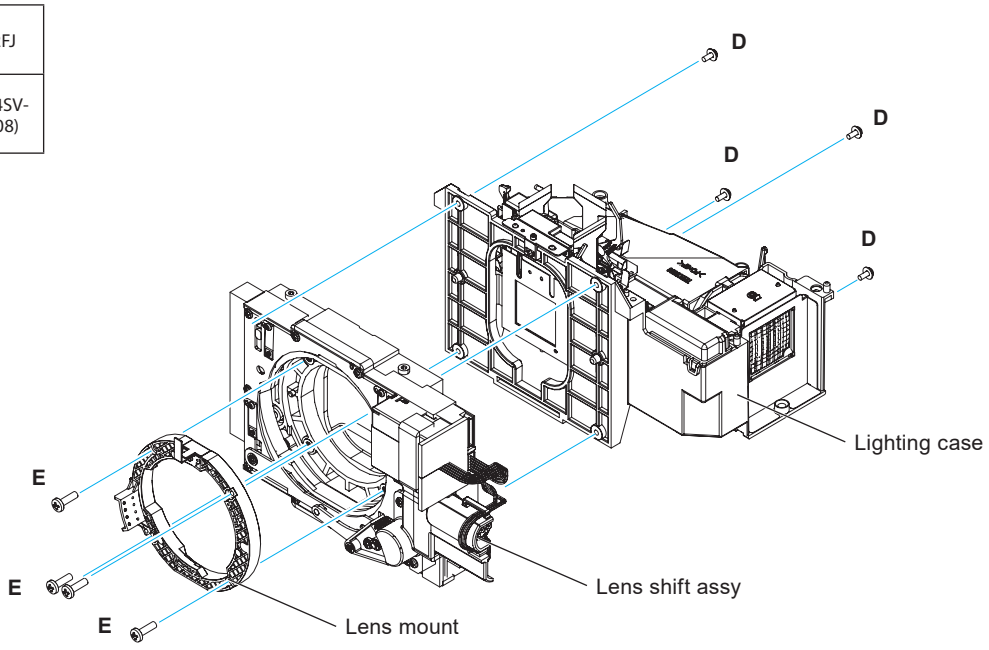
2.8. Lighting assy removal

A C		XTB3+8GFJ
B		XYC4+FG12FJ

1. Remove 2 screws-A and remove lens cover top.
2. Remove 4 screws-B and remove lighting assy upward.
3. Remove 3 screws-C and remove lens cover bottom.



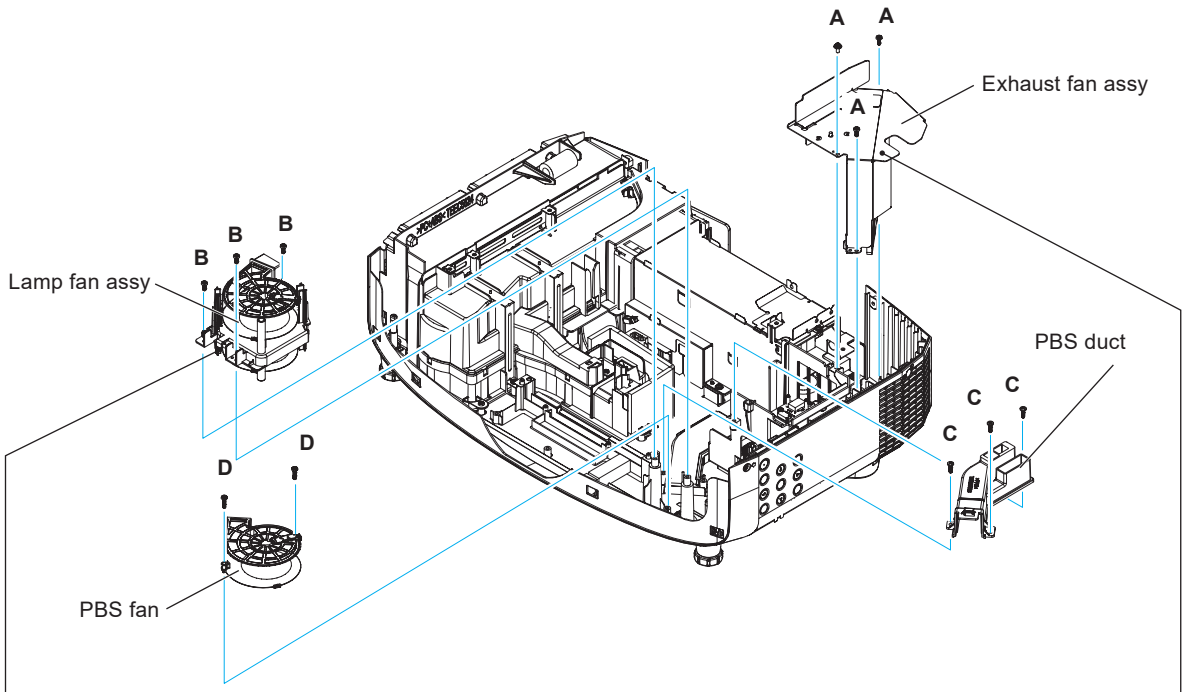
D		XYN3+F12FJ
E		SMSDN3014SV- (4111898308)

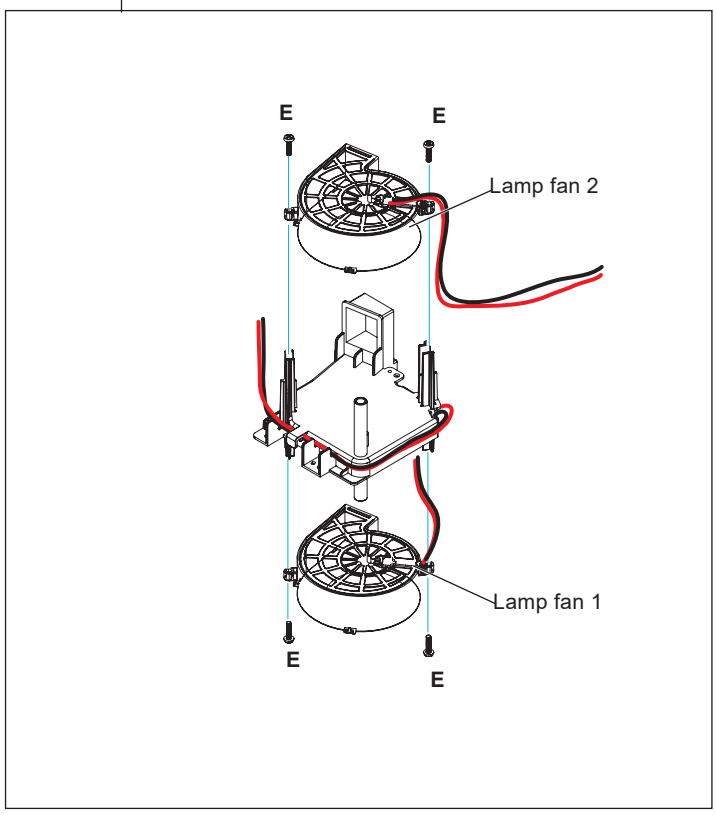


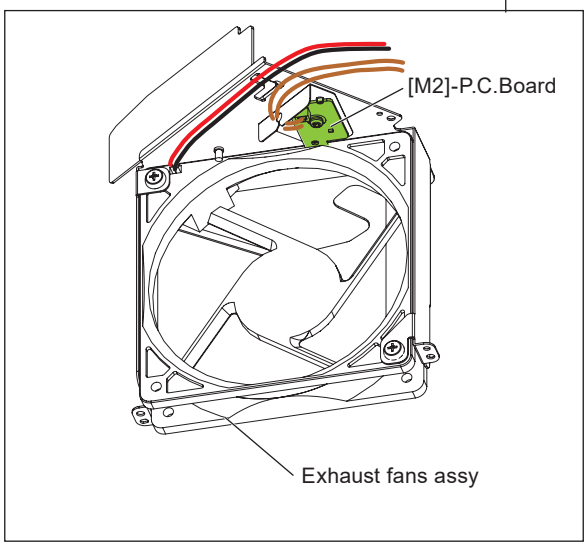
2.9. Exhaust and lamp fans removal

A		XYC3+FG12FN
B C		XTB3+8GFJ
D E		XTB3+12GFJ

1. Remove 3 screws-A and remove the exhaust fan assy.
2. Remove 3 screws-B and remove the lamp fan assy.
3. Remove 3 screws-C and remove the PBS duct.
4. Remove 2 screws-D and remove the PBS fan.



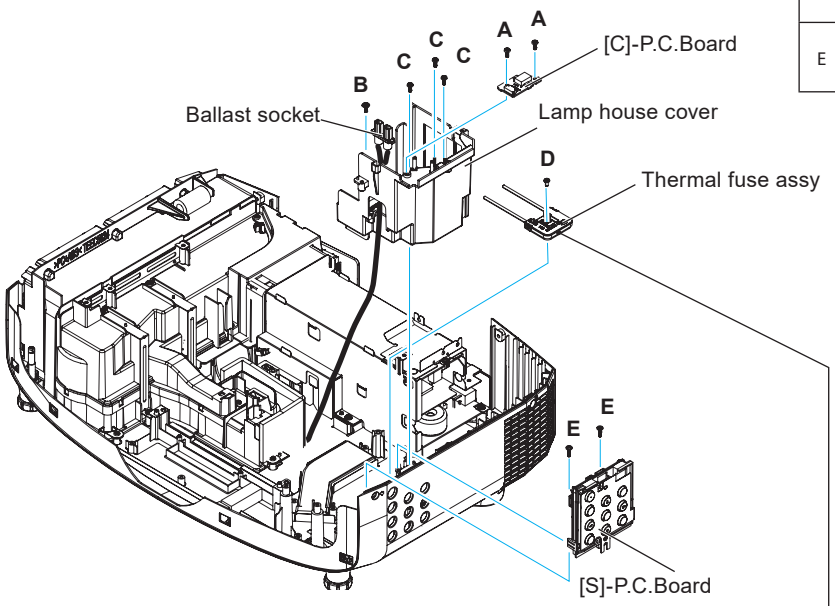




2.10. Lamp house, thermal fuse removal

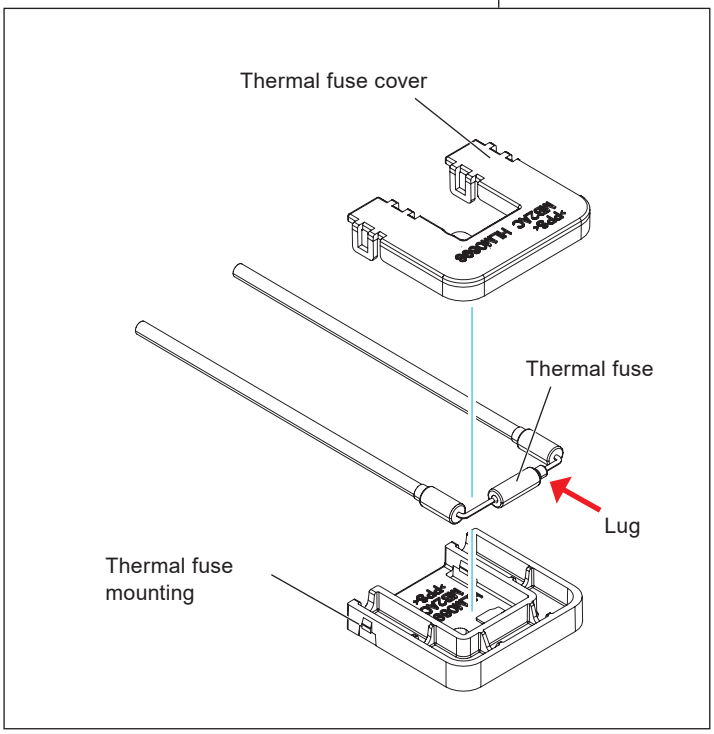
1. Remove 2 screws-A and remove [C]-P.C.Board.
2. Remove 1 screw-B and remove the ballast socket.
3. Remove 3 screws-C and remove the lamp house cover.
4. Remove 1 screw-D and remove the thermal fuse assy.

A D		XTB3+8GFJ
B		SFPAY30100SV- (4111926303)
C		XTB3+12GFJ
E		XYC3+FG12FN



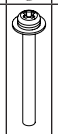
2.11. [S]-P.C.Board assy removal

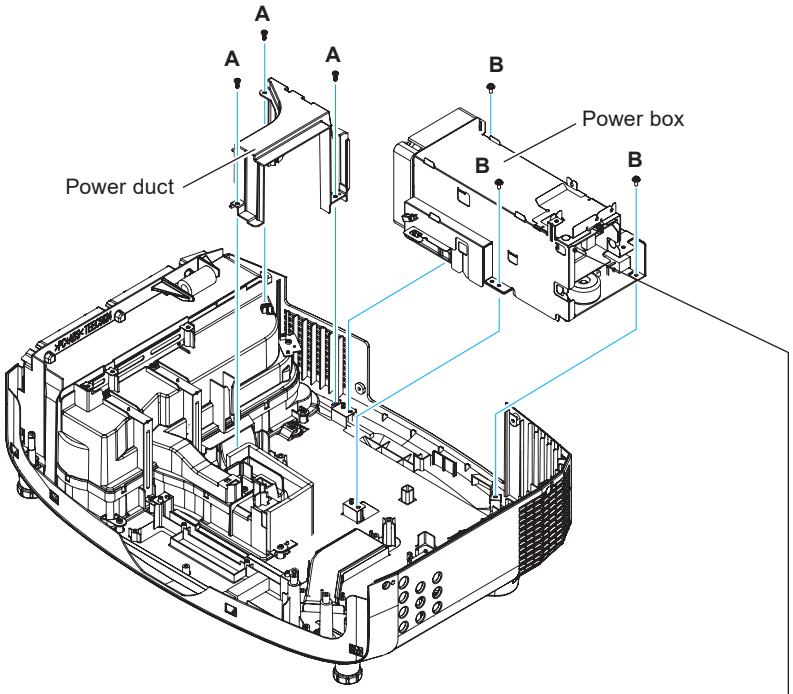
1. Remove 2screws-E and remove [S]-P.C.Board assy upward.

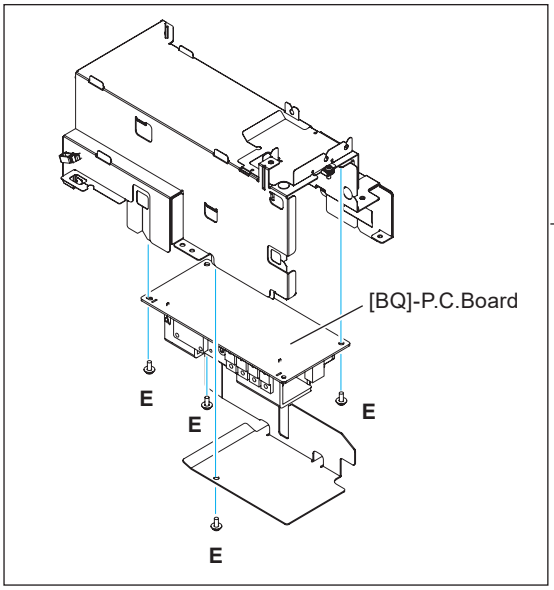


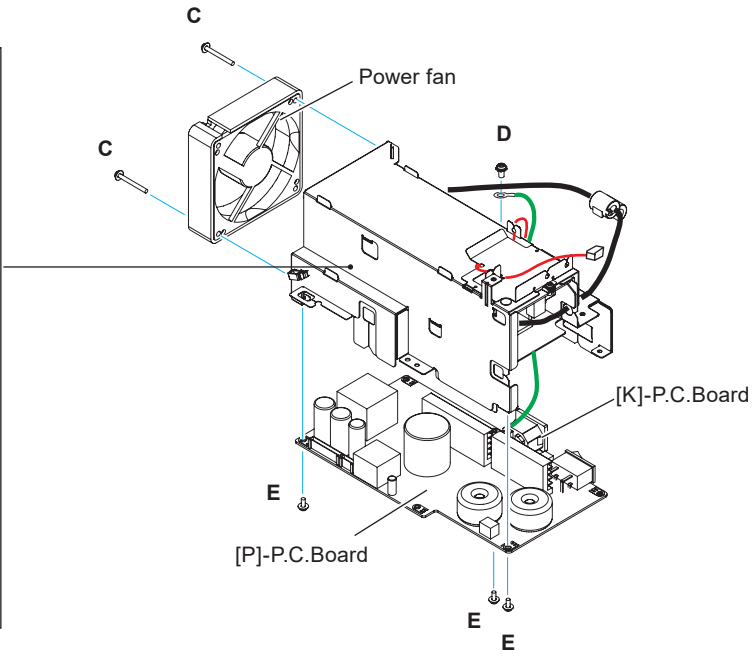
2.12. Power box removal

1. Remove 3 screws-A and remove the power duct.
2. Remove 3 screws-B and remove the Power box.

A		XTB3+8GFJ
B		XYC3+FG12FN
C		XYN3+F30FJ
D		XYN4+E8FJ
D		XYN3+F8FJ



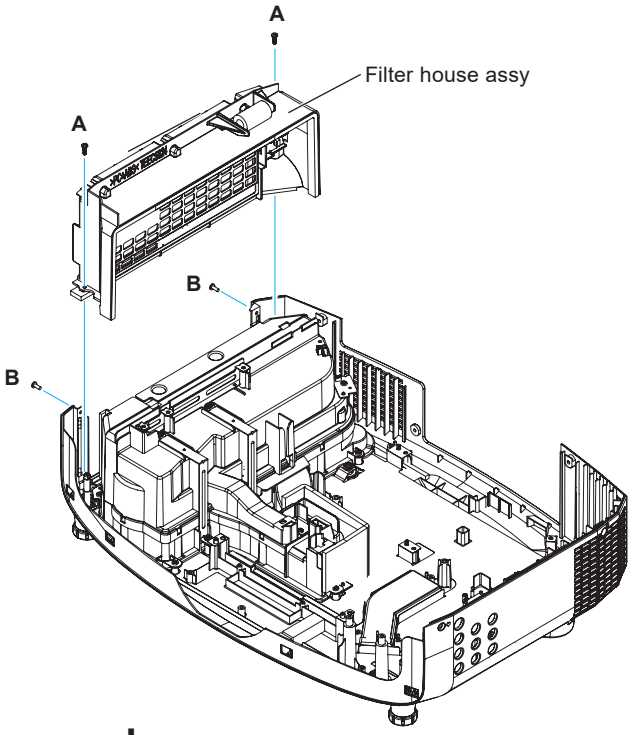




2.13. Filter house removal

A		XTB3+8GFJ
B		XSB3+8FN

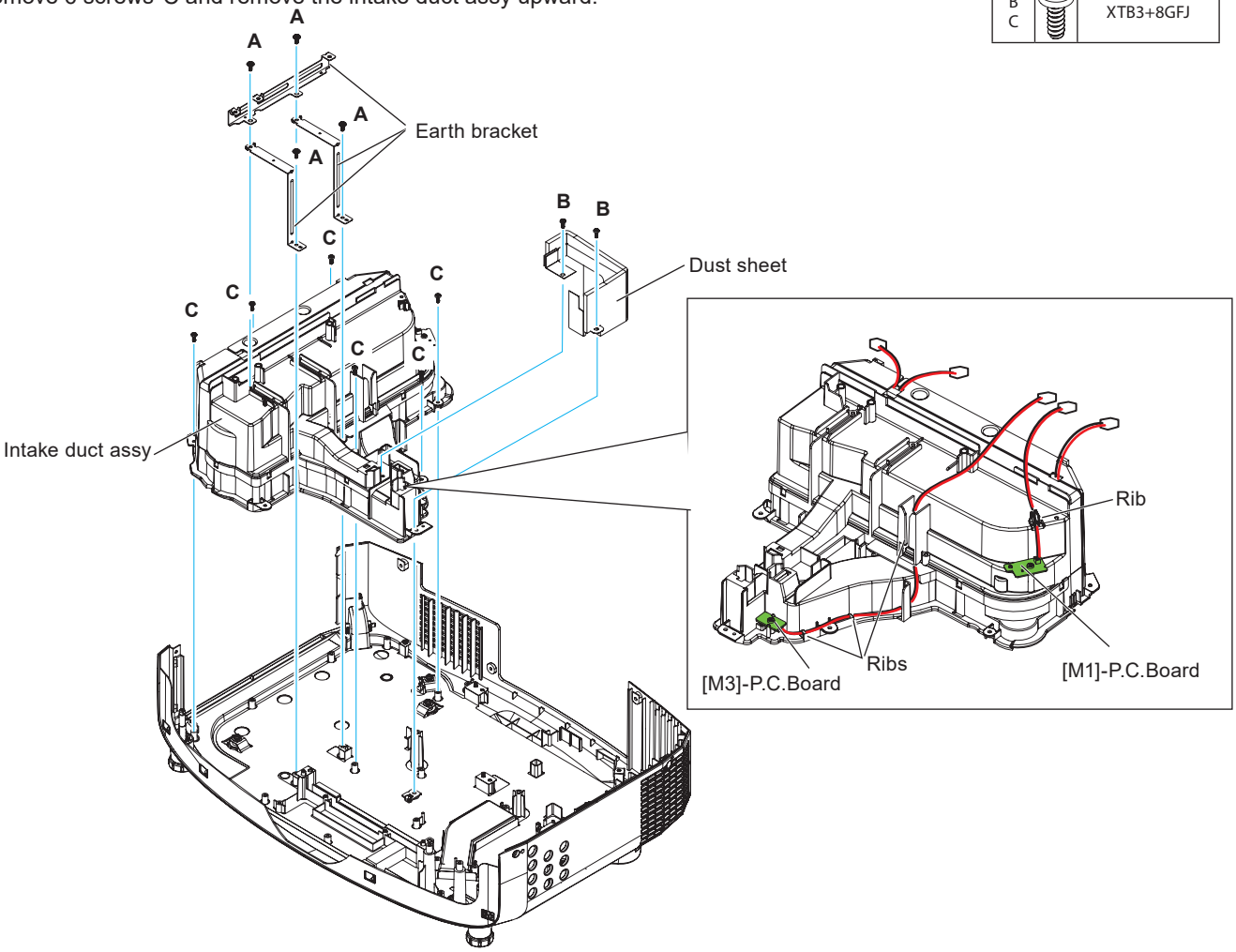
1. Remove 1 screws-A and 2 screws-B and remove the filter house assy upward.



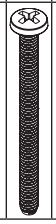
2.14. Intake duct assy removal

A		XYC3+FG12FN
B C		XTB3+8GFJ

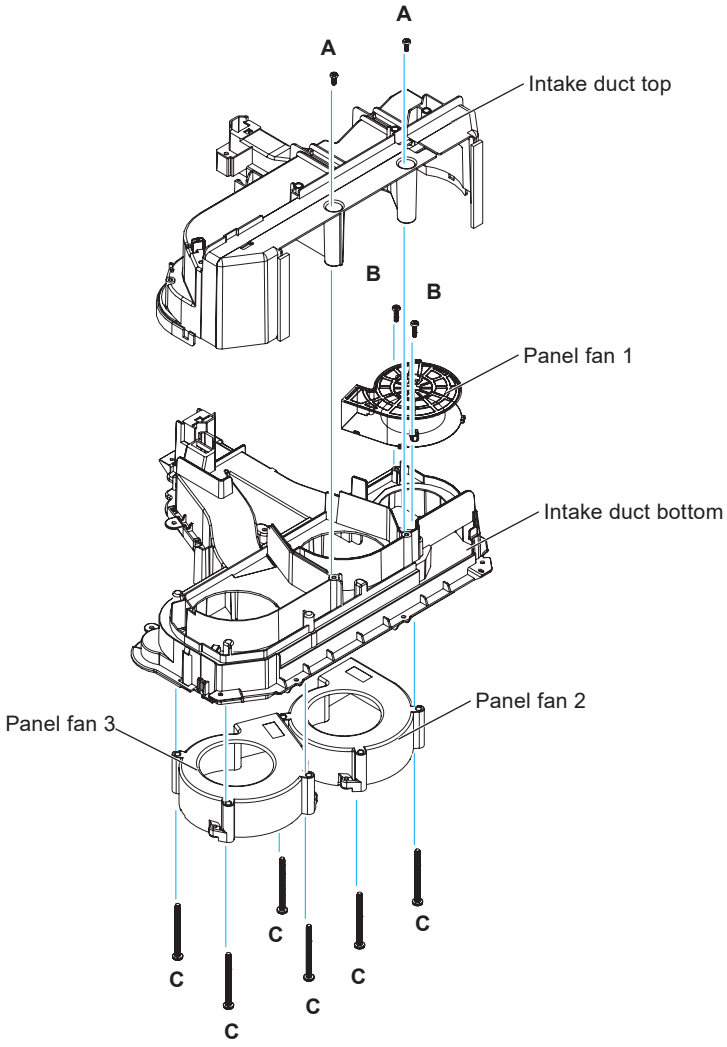
1. Remove 4 screws-A and remove the earth bracket.
2. Remove 2 screws-B and remove the dust sheet.
3. Remove 6 screws-C and remove the intake duct assy upward.



2.15. Panel fans removal

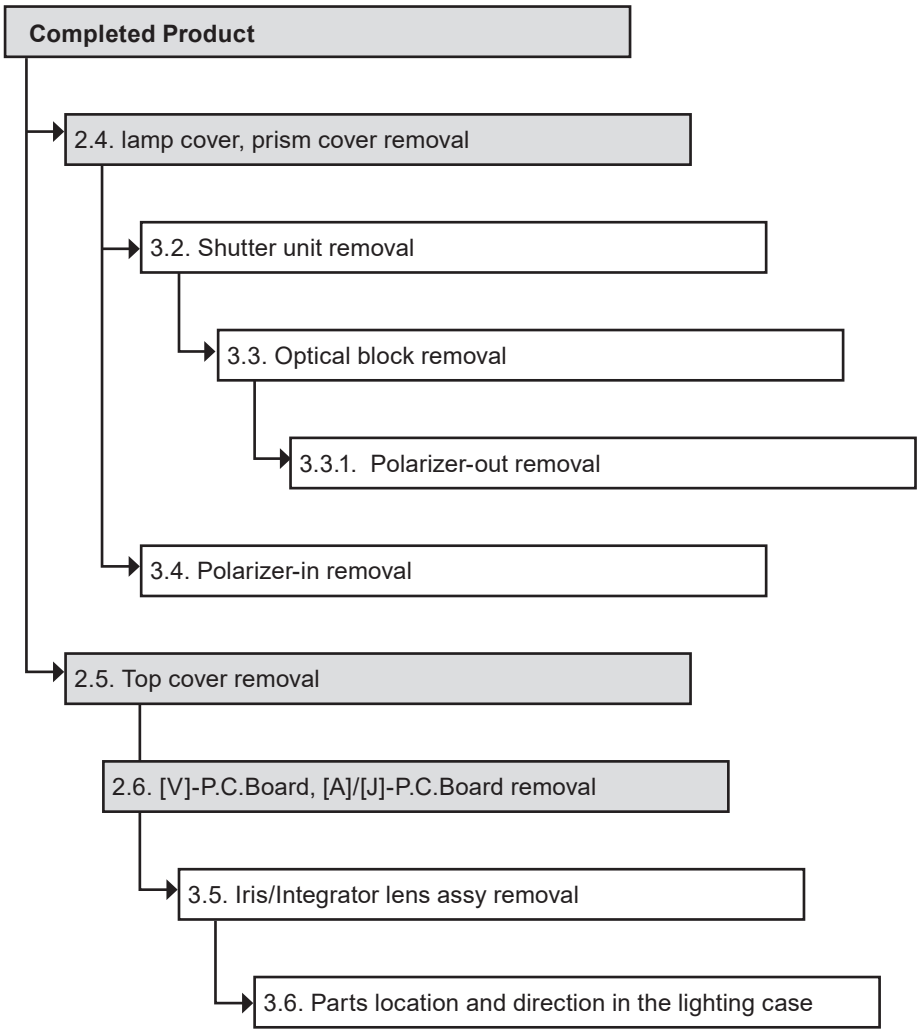
A		XTB3+8GFJ
B		XTB3+12GFJ
C		THTA073J

1. Remove 2 screws-A and remove the intake duct top.
2. Remove 2 screws-B and remove the panel fan 1.
3. Remove 6 screws-C and remove the panel fan 2 and 3.



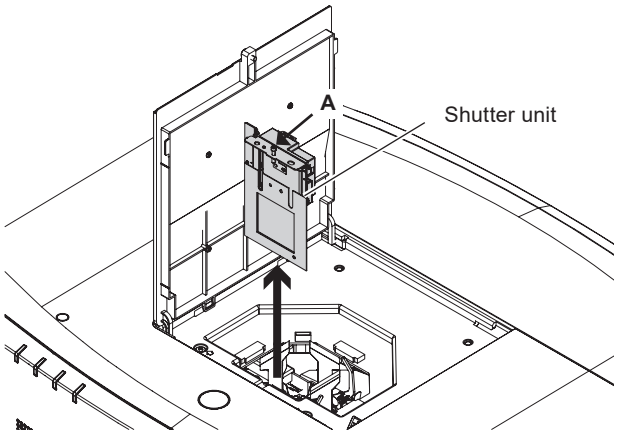
3. Optical Parts Disassembly

3.1. Disassembly flow chart



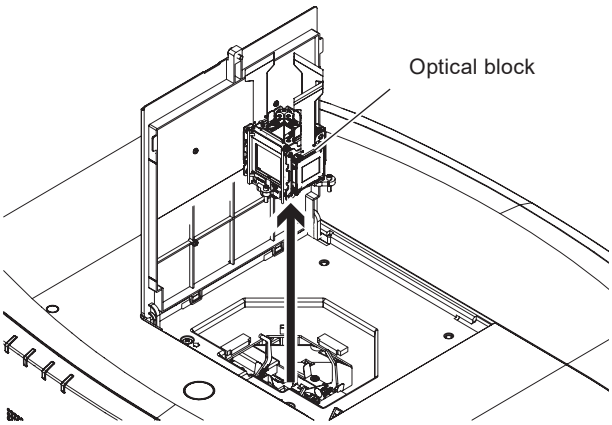
3.2. Shutter unit removal

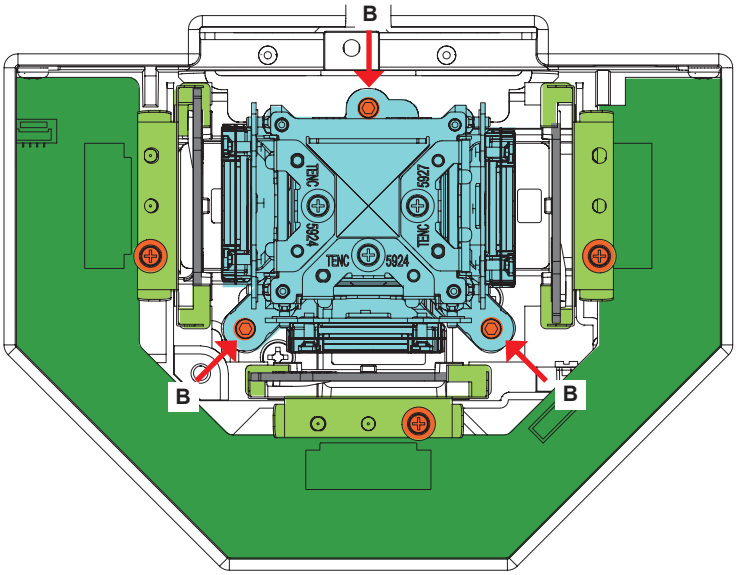
1. Loosen 1 hex screw-A by the hex-wrench (M2) and remove the shutter unit upward.



3.3. Optical block removal

1. Loosen 3 hex screws-B by the hex-wranch(M2.5) and remove the optical block upward.





Important notice on optical block replacement

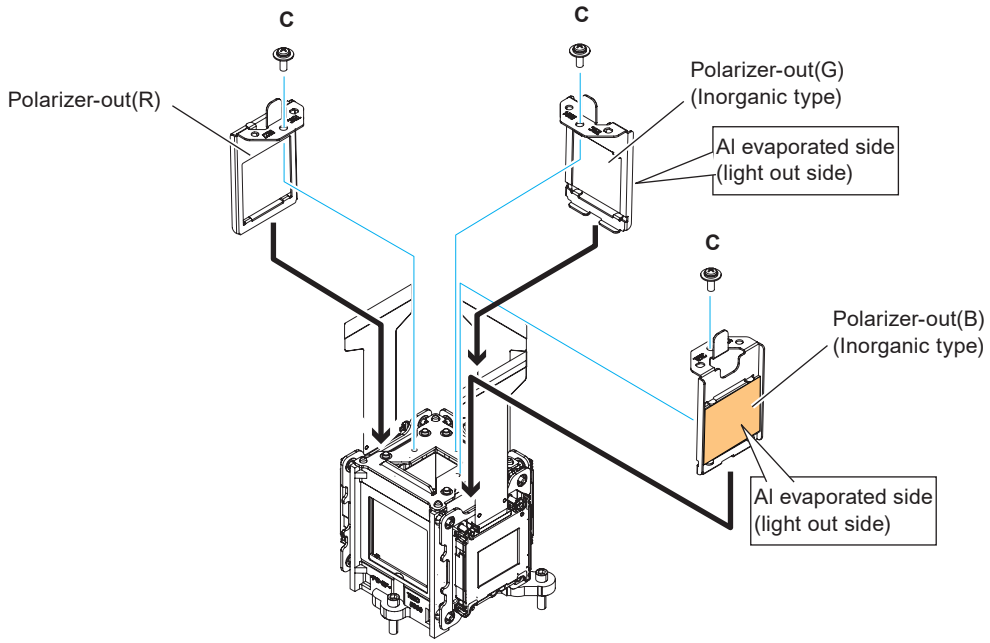
LCD panels used for this model cannot be replaced separately. Do not disassemble the optical block. These LCD panels are installed with precision at the factory. When replacing the LCD panel, should be replaced whole of the LCD panels and prism assy at once.

When replacing optical block, take the optical and electrical adjustments following to the chapter "Adjustment".

3.3.1. Polarizer-out removal

C		XYN2+F8FJ

1. Remove each 1 screw-C on the polarizer holder and pull the polarizer-out upward carefully.



Note on handling of inorganic polarizer

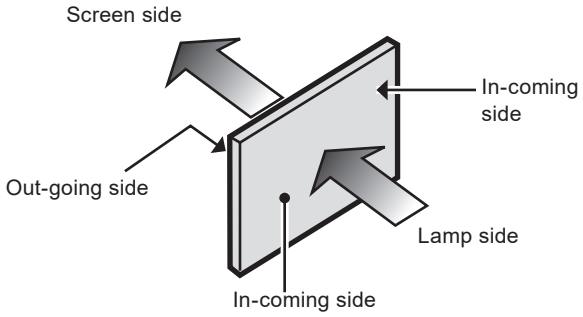
This projector provides high durable inorganic polarizer which have a rib shaped evaporated aluminum on the glass surface. This surface is very delicate. If touching or wiping the surface, the polarizing function will be lost due to damage of the aluminium rib construction on the surface. Extreme care should be taken to handle the polarizer.

● **Inorganic polarizer handling**
Never grasp the surface or edges of the polarizer with bare hand. If fat and oil on your hand adheres on the edges of polarizer, the linear bolt may appear on the glass surface due to capillarity. Grasp the edges of the glass with new gloves or with tweezers when handling it.

● **Inorganic polarizer cleaning**
When removing the dust on the surface, use a commercial (inert gas) air spray or air blower to remove them. Never use organic solvents.

Indication of light in-coming side and out-going side

The indication of "in-coming side" and "out-going side" of the polarizers or LCD panels is shown in the figure. It indicates the light in-coming and out-going from the lamp.



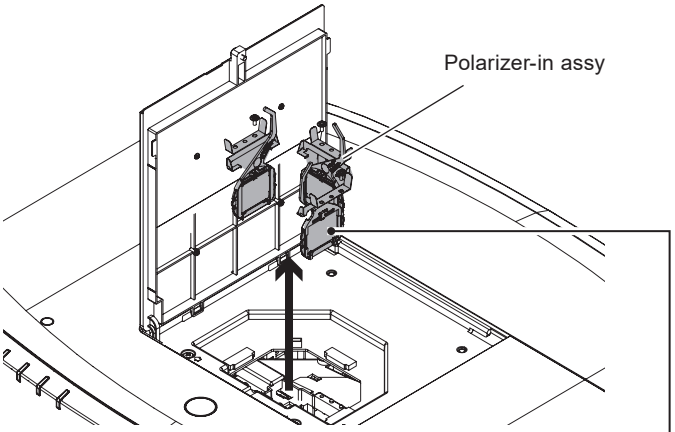
Cleaning capability of polarizers

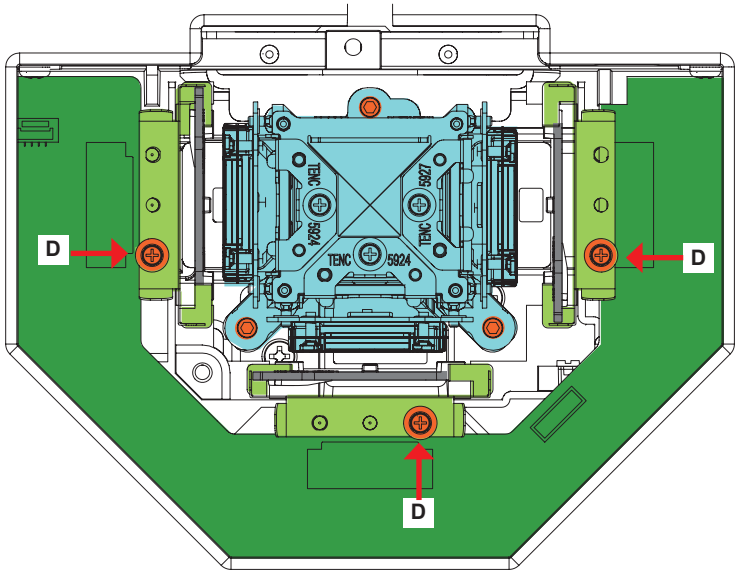
Type			wipe cleaning	
			In-coming side	Out-going side
Polarizer-out	R	Organic	OK	OK
	G	Inorganic	NG	OK
	B	Inorganic	NG	OK
Polarizer-in	R	Inorganic	OK	NG
	G	Inorganic	OK	NG
	B	Inorganic	OK	NG

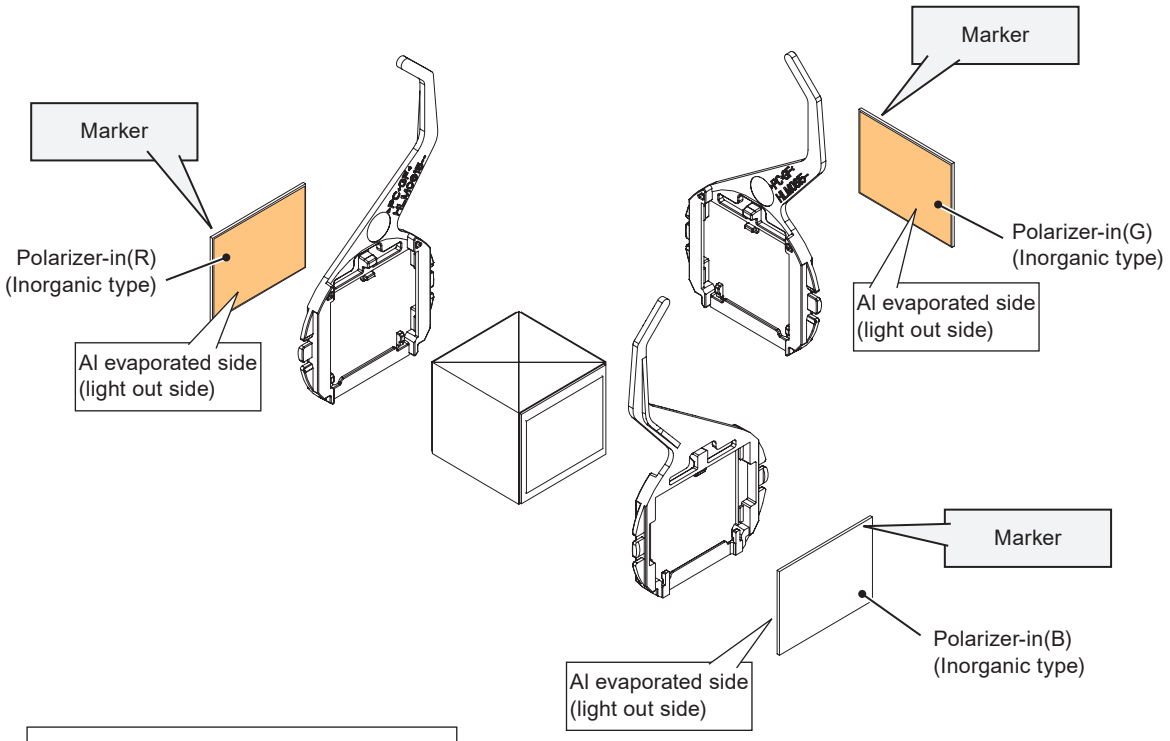
3.4. Polarizer-in removal

D		XYN2+F8FJ

1. Remove each 1 screw-D on the polarizing stopper and remove the stopper and polarizer-in assy upward carefully.





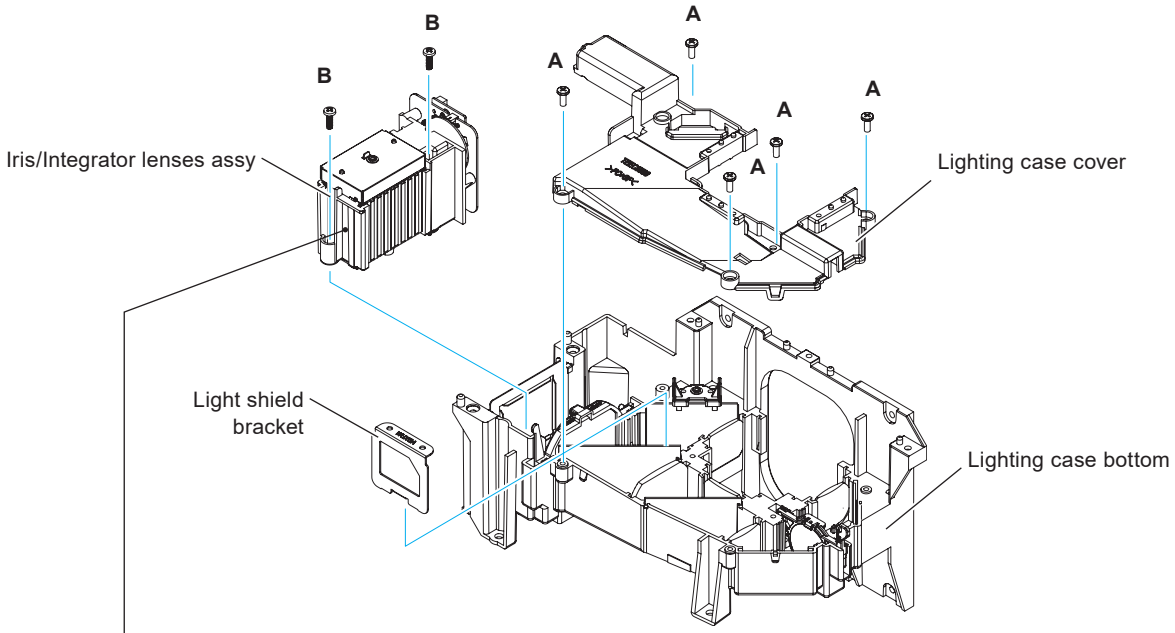


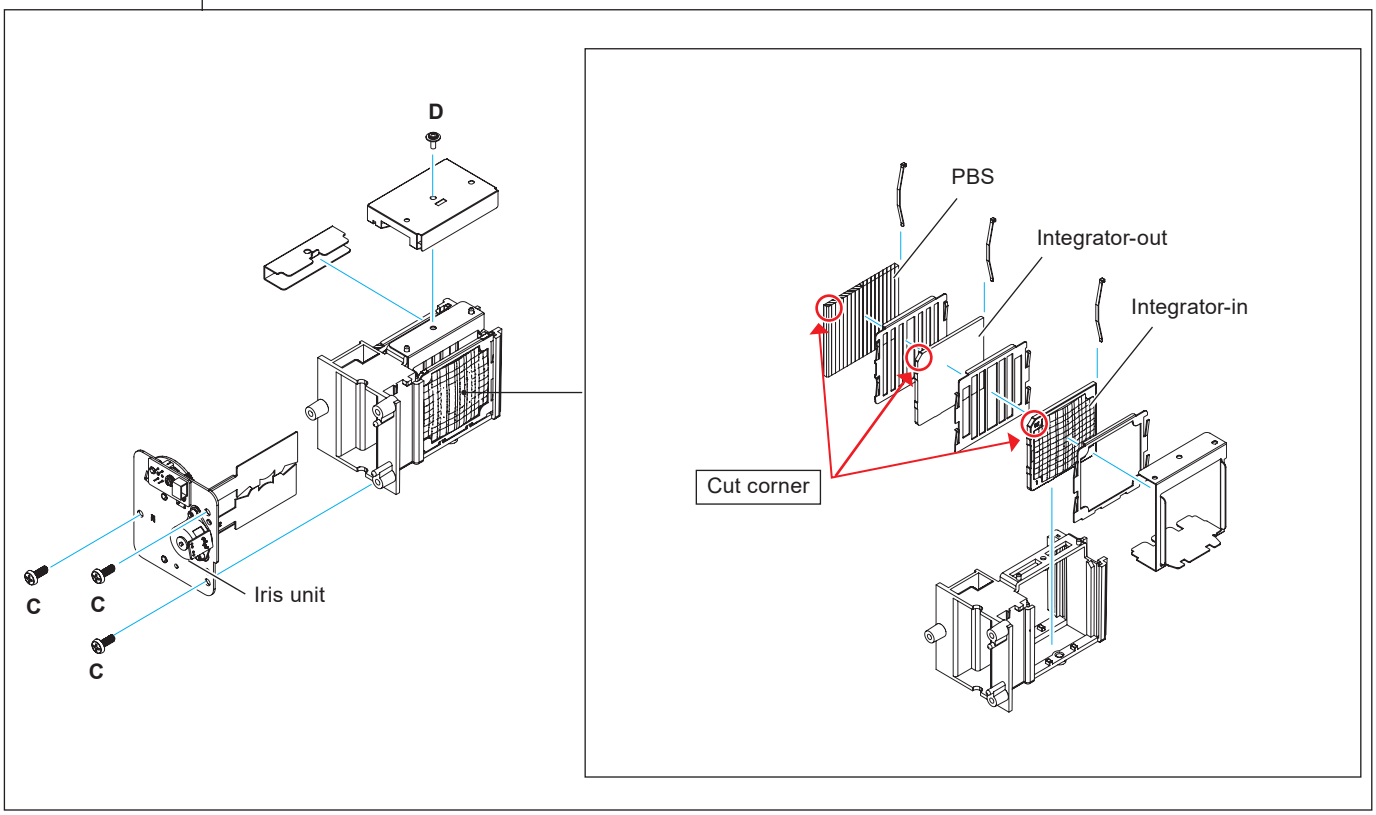
Mount the polarizer as the marker comes on the top right viewing from the light in coming side.

3.5. Iris/Integrator lenses assy removal

A B C		SFXAA308R0SAD (3120694708)
D		XYN2+F8FJ

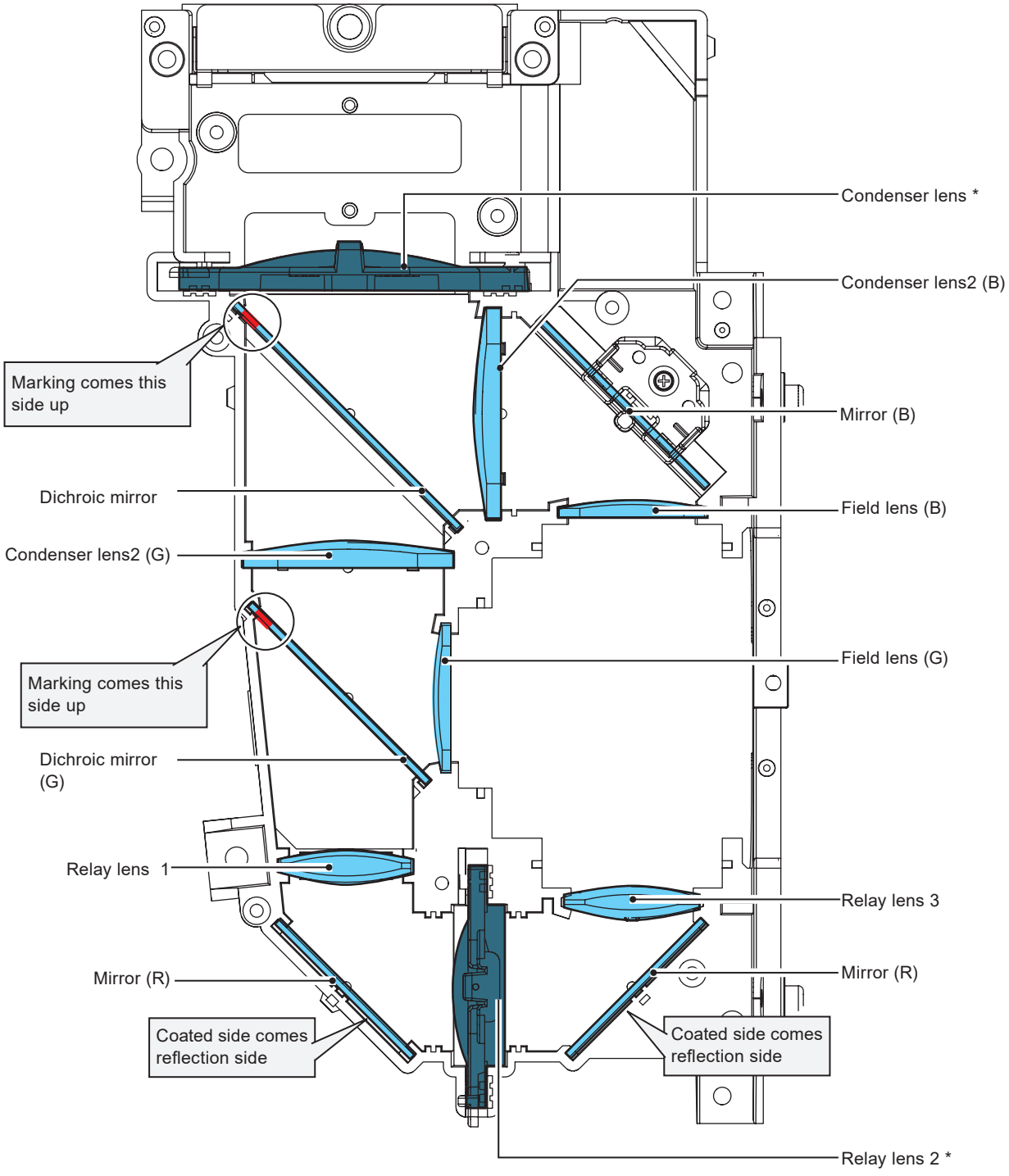
1. Remove 5 screws-A and remove the lighting case cover.
2. Remove 2 screws-B and remove the iris/integrator lenses assy upward.





3.6. Parts location and direction in the lighting case

When mounting or assembling the parts in the lighting case, the parts must be mounted in the specified location and direction as shown in the figure below.
Note: The parts indicated with (*) are mounted by adhesive, therefore, they cannot be replaced individually.

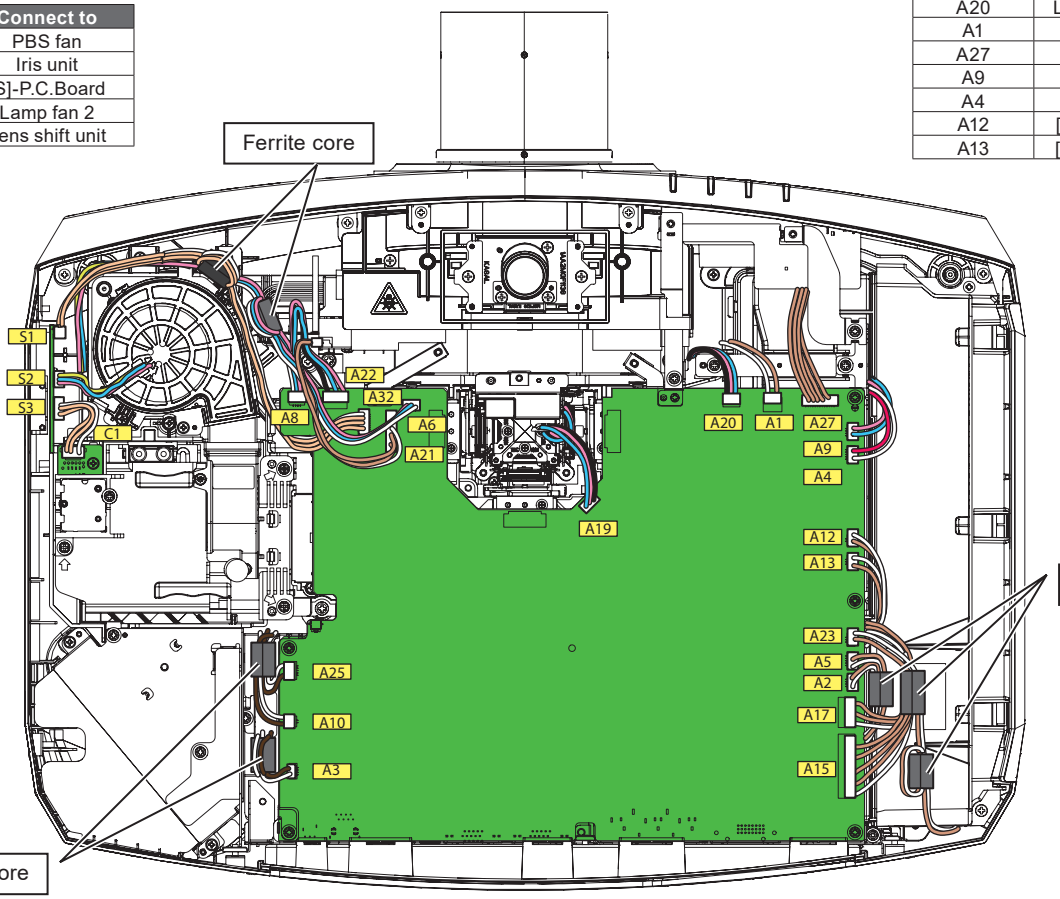


<Cable reforming>

Reform the cables as shown in the figure below. Place the cables at the original position after replacing the parts.

Connector	Connect to
A8	PBS fan
A22	Iris unit
A32	[S]-P.C.Board
A6	Lamp fan 2
A21	Lens shift unit

Connector	Connect to
A19	Shutter unit
A20	Lens mount unit
A1	Speaker
A27	[V]-P.C.Board
A9	Panel fan 1
A4	Panel fan 2
A12	[M1]-P.C.Board
A13	[M3]-P.C.Board



Connector	Connect to
A25	[BQ]-P.C.Board
A10	[M2[-P.C.Board
A3	Exhaust fan

Connector	Connect to
A23	[F]-P.C.Board
A5	Panel fan 3
A2	Power fan
A17	[P]-P.C.Board
A15	[P]-P.C.Board

Adjustments

Model No. PT-EZ770Z / PT-EZ770ZL
PT-EW730Z / PT-EW730ZL
PT-EX800Z /PT-EX800ZL

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1. Adjustment item and a procedure. ADJ-2
1. 1. Polarizer adjustment
1. 2. Electrical Convergence Adjustment
1. 3. Flicker Adjustment
1. 4. EEPROM data transfer
1. 5. Gamma/Color uniformity correction data transfer
1. 6. Model Information Setup
1. 7. Clog sensor calibration
1. 8. Date and time setting
2. Software Update Procedure. ADJ-11
2. 1. Update by the LAN terminal connection (Main/sub/network software updating)
2. 2. Update by the serial terminal connection (Main/sub/DIGITAL LINK software updating)

Rev.-9 (2015-3)

1. Adjustment item and a procedure

When the following parts are disassembled or replaced, please adjust the items according to the table below.

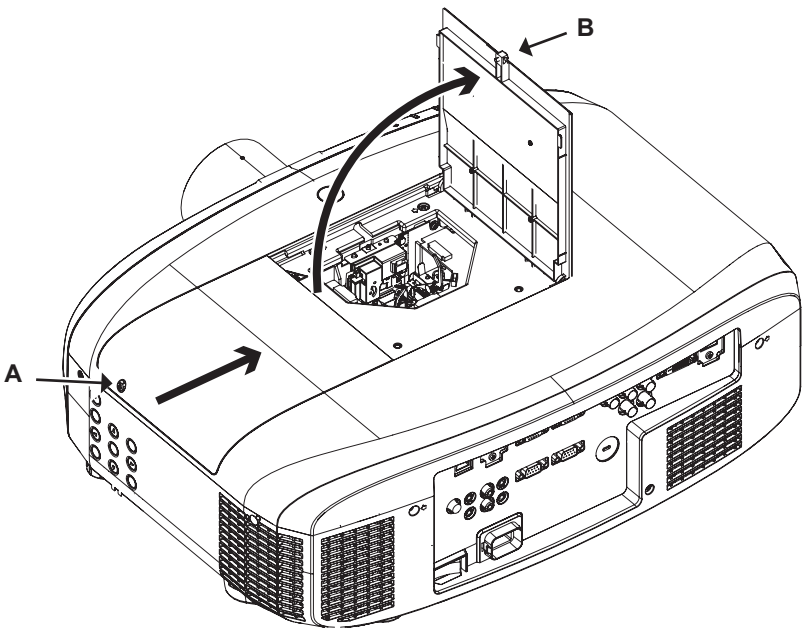
Adjustment Item	Replaced Component	Remarks
1.1. Polarizer adjustment	Optical block, Each polarizer (IN)	Adjust if there are the color shading on the screen
1.2. Convergence adjustment	Optical block	
1.3 Flicker adjustment	Optical block / [A]-P.C.Board	
1.4. EEPROM data transfer	[A]-P.C.Board	Transfer the data from old [A]-P.C.Board to new one
1.5 Gamma data/Color uniformity correction data transfer	[A]-P.C.Board	Transfer the data from old [A]-P.C.Board to new one
1.6. Model information setup	[A]-P.C.Board	Not necessary when the item "1.4. EEPROM data transfer" was taken
1.7. Clog sensor calibration	[A]-P.C.Board / [Z]-P.C.Board	
1.8. Date and time setup	[A]-P.C.Board	

[Note] When using the service software with RS-232C terminal, if the [EMURATE] setting of [RS232C] is set to "Other companies", return its setting to "FACTORY DEFAULT".

1. 1. Polarizer adjustment

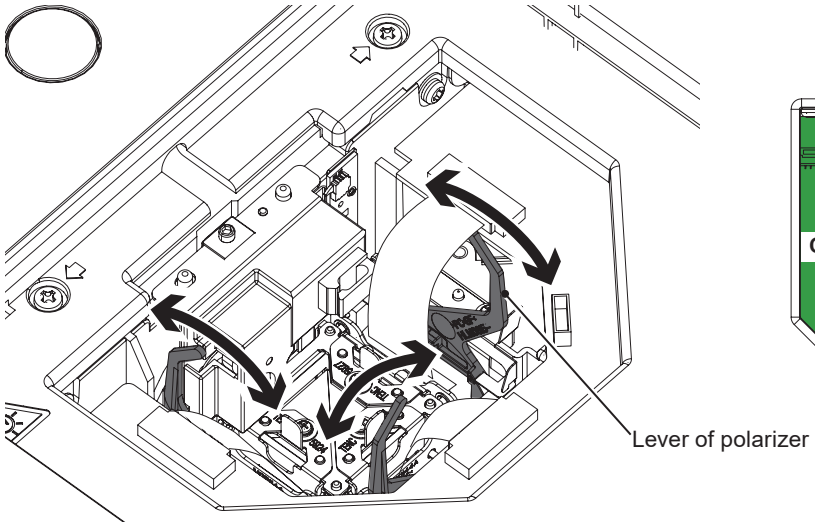
1. 1. 1. Preparation

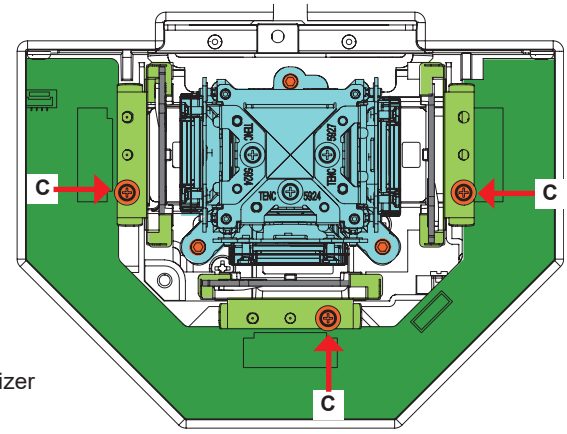
1. Loosen the screw-(A) on the lamp cover and slide it until the screw-(B) on the prism cover appears.
2. Loosen the screw-(B) and take the prism cover out.
3. Close the lamp cover and tighten the screw-(A).
   * The interlock switch on the [A]-P.C.Board is turned on.



1. 1. 2. Adjustment procedure

This adjustment should be taken in order of G-panel, R-panel, and B-panel.
1. Select the internal test pattern signal “All black” from the projector’s menu “Menu -> Setting -> Test pattern”.
2. Loosen each screw (C) on the polarizer fholder.
3 Turn the lever of G-polarizer to obtain the darkest brightness and proper black color uniformity on the screen.
4. Adjust for R-polarizing glass and B-polarizing glass continuously.
5. After finishing, Tighten the screws (C) to fix the polarizer.
* This adjustment should be taken in the dark room to adjust precisely.

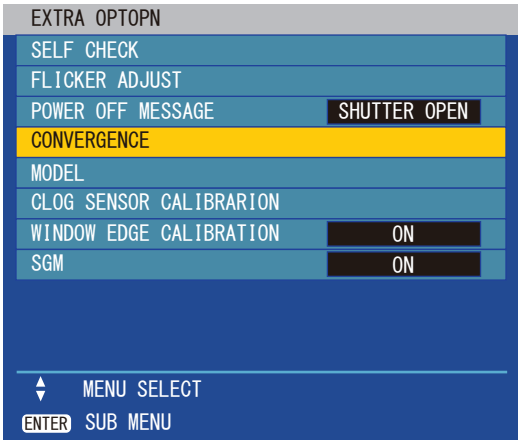




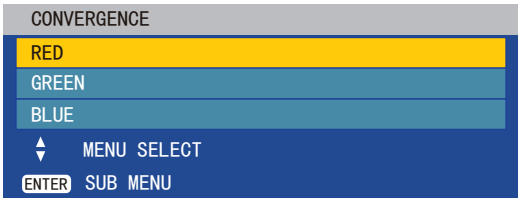
1. 2. Electrical Convergence Adjustment

This is a function to correct a convergence by a pixel unit every R/G/B ingredient.
Each pixel can be shifted in 1 dot and 2 dots maximum from right to left and up and down.

1. Project cross-hatch pattern, confirm a position gap of R/G/B.
2. Enter the service mode, and select sub menu "CONVERGENCE" of main menu "EXTRA OPTION".



3. Select a color to be adjusted.



4. Press the ▲ ▼ button to adjust the vertical direction, press the ◀ ▶ button to adjust the horizontal direction.

5. Adjustment is complete. Press the [MENU] button to exit the adjustment mode. The setting value will stored this time.

1. 3. Flicker Adjustment

1. 3. 1. Adjustment procedure

1. Select "FLICKER ADJUST" on "EXT OPTION" menu and press "ENTER" button to enter the adjustment mode.
2. "DESK setting (blue)" is displayed when entering the adjustment mode.
3. Adjust the setting value to minimize the flicker on the screen with the right-arrow " ▶ " and left-arrow " ◀ " buttons.
4. Change the adjustment patterns with the up-arrow " ▲ " and down-arrow " ▼ " buttons, and adjust in each adjustment pattern with the step 3 repeatedly.
   There are 6 adjustment patterns, "DESK setting (blue)", "DESK setting (red)", "DESK setting (green)", "CEILING setting (blue)", "CEILING setting (red)", "CEILING setting (green)".
5. After finishing the adjustments for all of patterns, press the "MENU" button to close the adjustment. The adjustment data will be saved in the memory.

1. 4. EEPROM data transfer

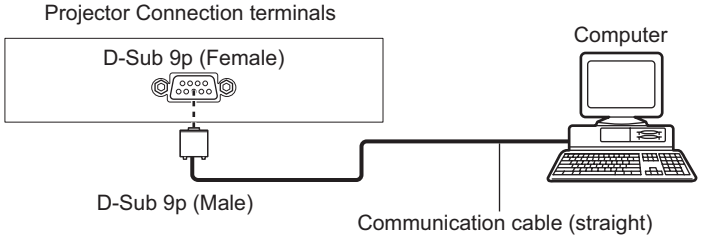
1. 4. 1. Equipment to be used

1. Computer : Use it for the transfer of backup data.
2. Communication cable : D-sub 9pin (male/female RS-232C straight)
3. Service Software : "DataLogBackup.exe" Service software is downloaded from the projector service homepage.

1. 4. 2. Connection preparations

1. Confirm the projector's ID, baud rate, parity and take a memo.
2. Connect the serial terminals on the projector and the PC by using a communication cable.

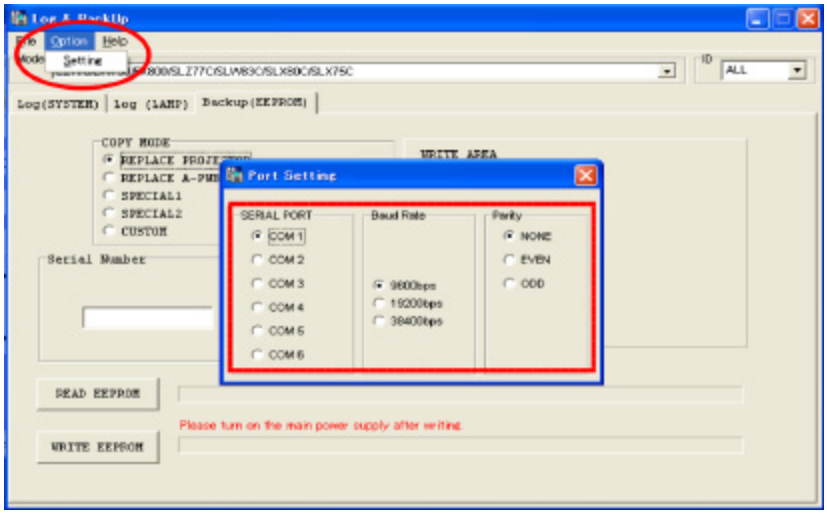
Note:
Set up your computer not to turn in the standby or shut-down during the work.



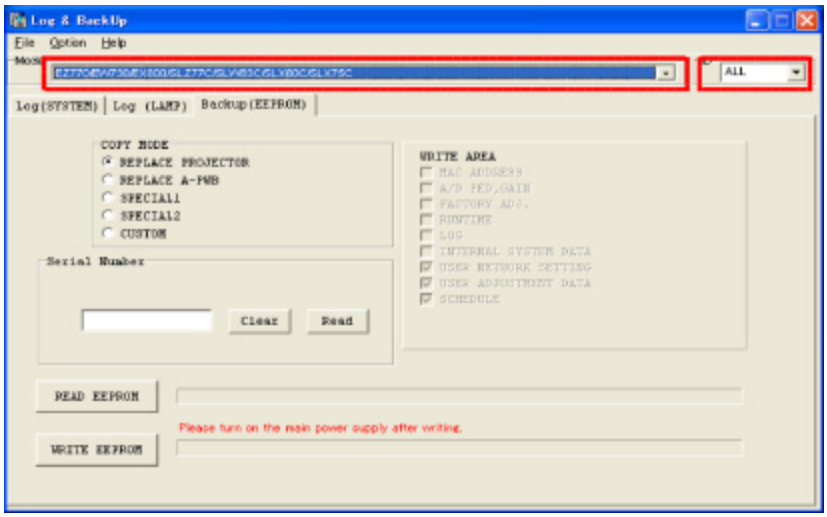
1. 4. 3. Backup the EEPROM data (before board replacing)

1. Set the projector to "Normal-Standby" mode (POWER indicator is Lighting in red).
2. Start up service software "DataLogBackup.exe" with a computer.

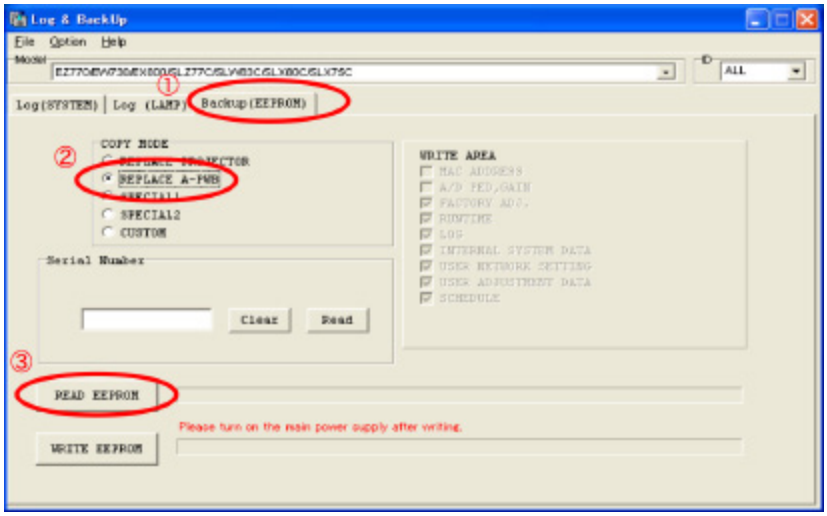
3. Select "Option " - " Setting" and set Serial Port of the computer, Baud Rate and Parity.



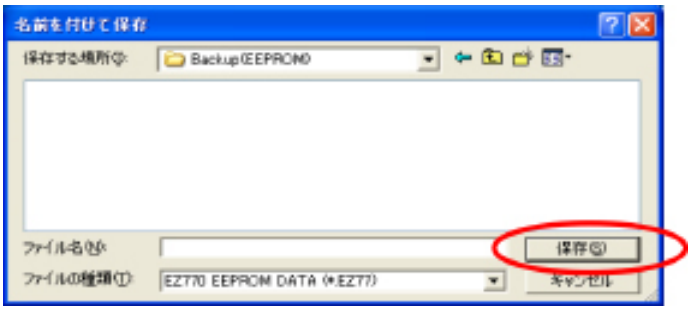
4. Select a model number and ID.

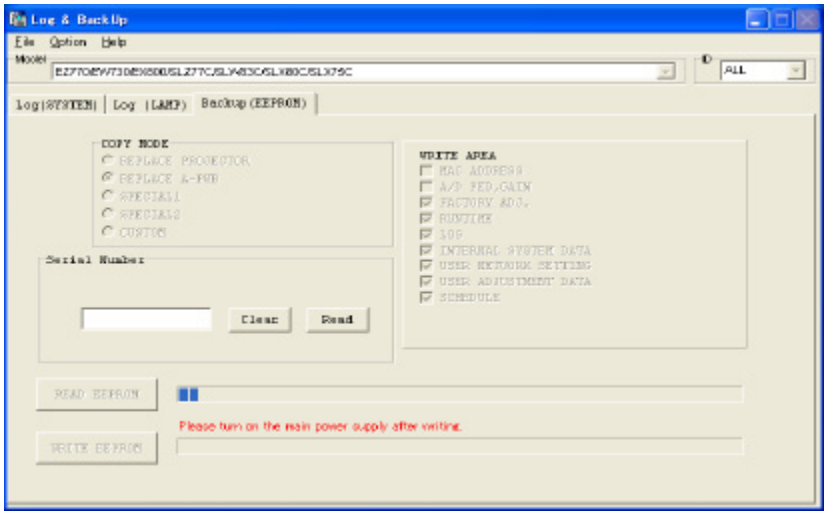


5. 1) Select "Backup (EEPROM) tab".
   2) Check "REPLACE A-PWB" of "COPY MODE" item.
   3) Click the [READ EEPROM] button.



6. Select the save place and set the file name and click the [Save(S)] button.

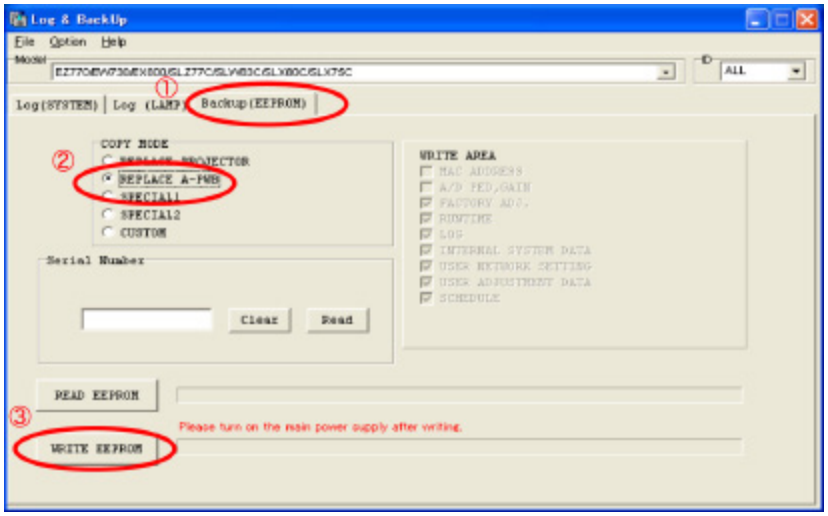




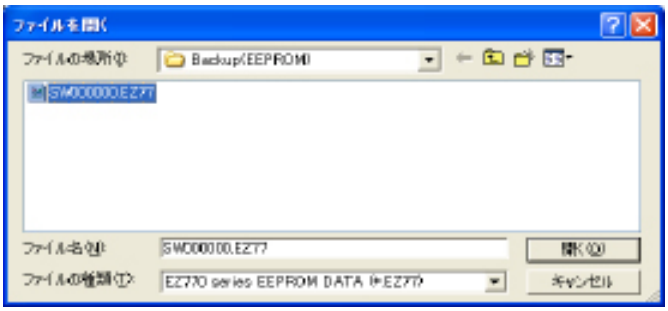
7. When the progress bar reaches the right-side end, the data reading out and saving process are complete.
   Select "File" - "Quit" to quit the software.

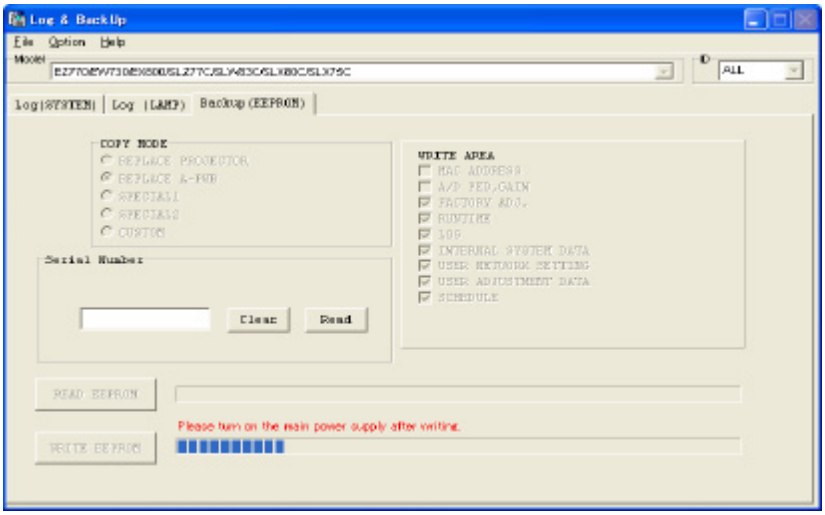
1. 4. 4. Restore the backup EEPROM data (after board replacing)

1. Set the projector to "Normal-Standby" mode (POWER indicator is Lighting in red).
2. Start up service software "DataLogBackup.exe" with a computer.
3. Select "Option " - " Setting" and set Serial Port of the computer, Baud Rate and Parity.
4. Select a model number and ID.
5. 1) Choose "Backup (EEPROM)" tab.
   2) Check the "REPLACE A-PWB" of "COPY MODE" item.
   3) Click the [WRITE EEPROM] button.



6. Select the backup file and click the [OPEN(O)] button.





7. When the progress bar reaches the right-side end, the data writing process is complete.
   Select "File" - "Quit" to quit the software.
8. After finishing the data writing, turn the POWER switch off and on, then confirm that the projector operates correctly.

1. 5. Gamma/Color uniformity correction data transfer

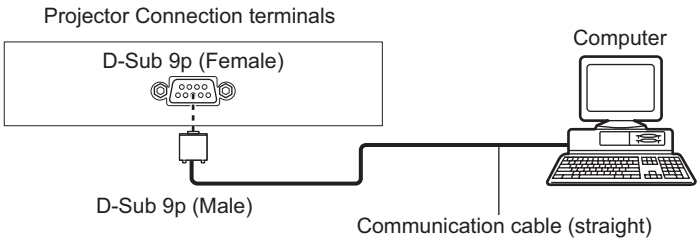
1. 5. 1. Equipment to be used

1. Computer : Use it for the transfer of backup data.
2. Communication cable : D-sub 9pin (male/female RS-232C straight)
3. Service Software : "ServiceEZ770_101" Service software is downloaded from the projector service homepage.

1. 5. 2. Connection preparations

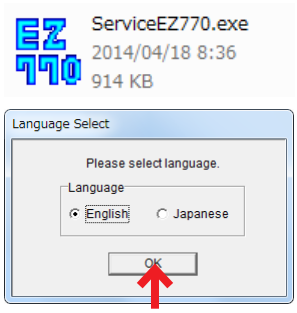
1. Connect the serial terminals on the projector and the PC by using a communication cable.

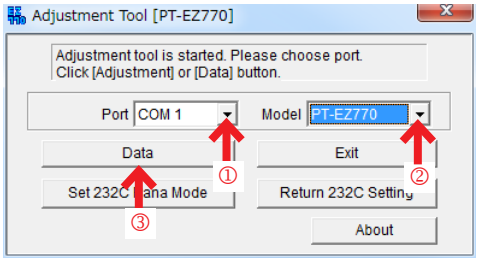
Note:
Set up your computer not to turn in the standby or shut-down during the work.



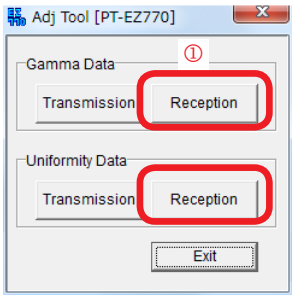
1. 5. 3. Backup the data (before board replacing)

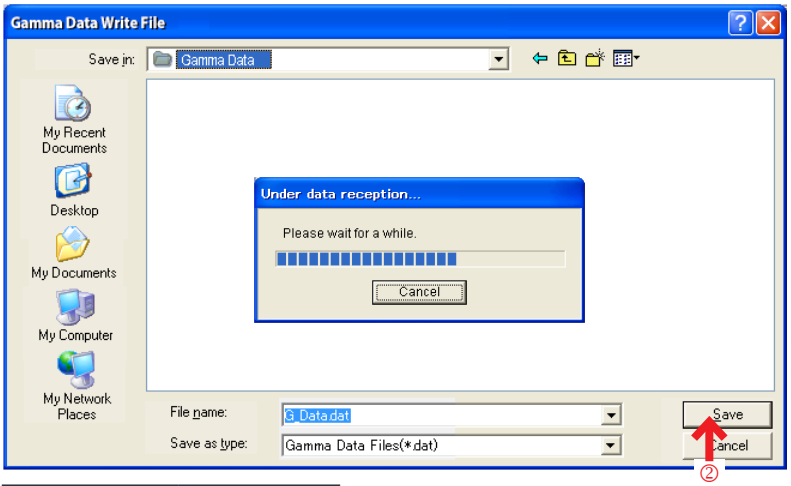
1. Set the projector to "Normal-Standby" mode (POWER indicator is Lighting in red).
2. Start up the software "ServiceEZ770.exe" with a PC.
3. Select language and click the [OK] button.
4. 1) Choose the available serial port number on your PC.
   2) Choose a model number.
   3) Click the [Data] button.





5. 1) Click the [Reception] button of Gamma Data.
   2) Select the save place and click the [Save(S)] button.
   3) When the progress bar reaches the right-side end, the save of data is completion.
   4) Save the Uniformity correction data in the same procedure of 1-3.



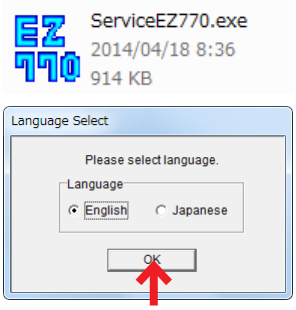


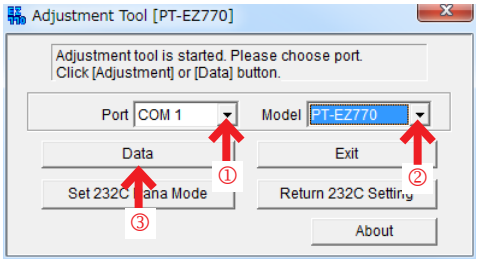
Data type	File name
Gamm Data	G_Data.dat
Unifomity data	E_Data.dat

* Do not rename the data file.

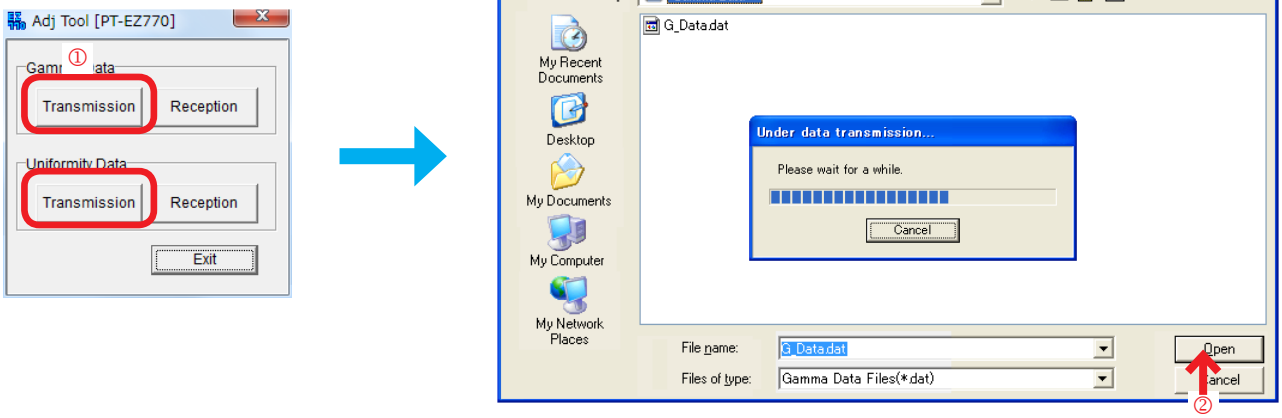
1. 5. 4. Restore the data (after board replacing)

1. Set the projector to "Normal-Standby" mode (POWER indicator is Lighting in red).
2. Start up the software "ServiceEZ770.exe" with a PC.
3. Select language and click the [OK] button.
4. 1) Choose the available serial port number on your PC.
   2) Choose a model number.
   3) Click the [Data] button.





5. 1) Click the [Transmission] button of Gamma Data.
   2) Select the save place and click the [Open(O)] button.
   3) When the progress bar reaches the right-side end, the transmission of data is completion.
   4) Restore the Uniformity correction data in the same procedure of 1-3.

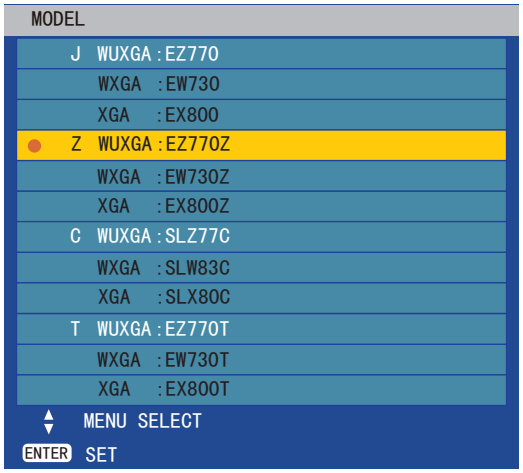


6. After completing the writing, turn the main power off and on, and check the color uniformity and gamma characteristic of the projector.

1. 6. Model Information Setup

1. Enter the service mode and select sub menu "MODEL" of main menu "EXTRA OPTION".
2. Select a model and press the “ENTER” button.
3. Turn the POWER switch off and on, and turn on the projector.

The model information will be set up.

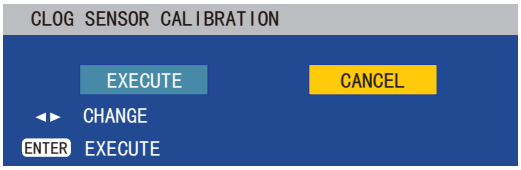


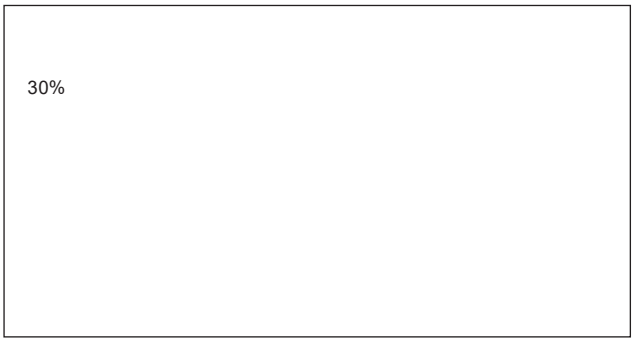
1. 7. Clog sensor calibration

This is to calibrate the clog sensor circuit. This calibration must be carried out under the condition listed below to have the precious calibration.

- This calibration must be done within the range of 20°C (68°F) to 30°C (86°F) of surrounding temperature.
- Before taking this calibration, more than 30 minutes of aging must be done.
- This calibration should be done in the condition that the projector is completely assembled and place on the floor and the adjuster legs are set in the cabinet bottom.
- Replace the air filter with new one before starting calibration.
- The work should be done at the location where there are no heat apparatus and the ventilation opening of the air-conditioner and the object to block the exhaust air.

1. Enter the service mode and select sub menu "CLOG SENSOR CALIBRATION" of main menu "EXTRA OPTION".
2. Select [OK] and press "ENTER" button to start the calibration.
3. After approx. 15 minutes, the calibration is complete and the white screen switches to normal screen. Turn the POWER switch off and on, and then confirm that the projector operates correctly.

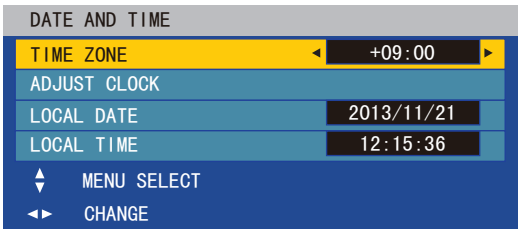




* The lamp power mode switches to "high" and screen will be set whole white screen during the calibration.
* Do not shut down the power of projector during the calibration.
* The progress situation is shown at the left top portion of the screen.

1. 8. Date and time setting

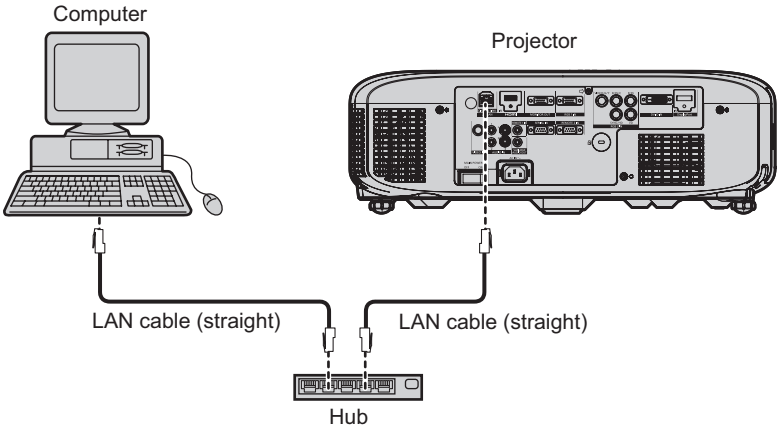
Setup the date and time by selecting the sub menu "DATE AND TIME" of main menu "PROJECTOR SETUP".
For further instructions, refer to the owner's manual.



2. Software Update Procedure

* The projector supports software updating methods below:
  - Updating the software via LAN terminal: Main/Sub/Network software
  - Updating the software via serial terminal: Main/Sub/DIGITAL LINK software

2. 1. Update by the LAN terminal connection (Main/sub/network software updating)



2. 1. 1. Equipment to be used

1. Computer : Use it for the transfer of software.
2. Communication cable : LAN cable. (When connecting directly, use a cross cable)
3. Service Software : [Main/Sub/Network/Formatter Update Tool.exe] Service software can be downloaded from the projector service homepage.
4. Microprocessor software: Please download the file from the projector service homepage to your PC.

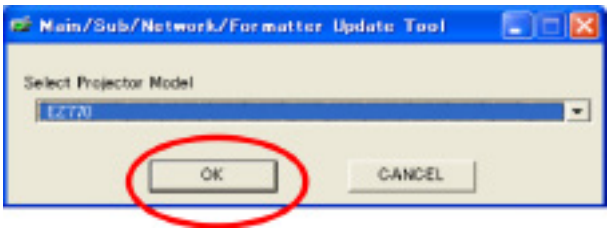
2. 1. 2. Connection Preparations

1. Set the "DIGITAL LINK MODE" of the NETWORK menu of projector to [AUTO] or [ETHERNET].
2. Confirm the network IP address of the projector and take a note.
3. Set the IP address of computer to the same IP address group of the projector.

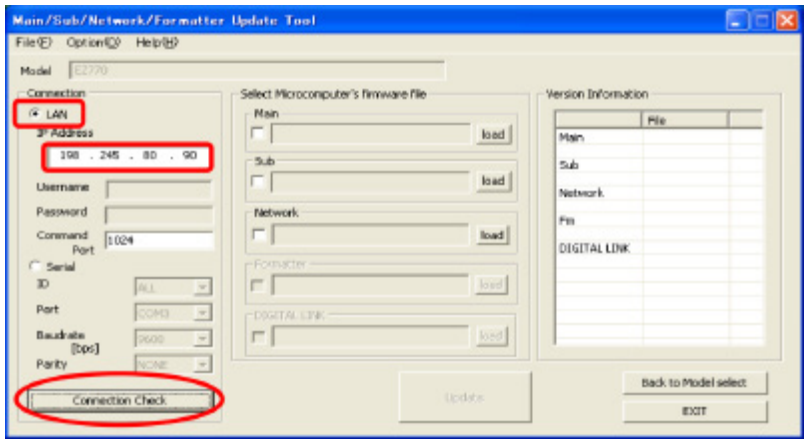
Note:
Set up your computer not to turn in the standby or shutdown during the software updating.

2. 1. 3. Update procedure

1. Set the projector to "Normal-Standby" mode (POWER indicator is Lighting in red).
2. Start up service software with a computer, select Model, and then click the [OK] button.

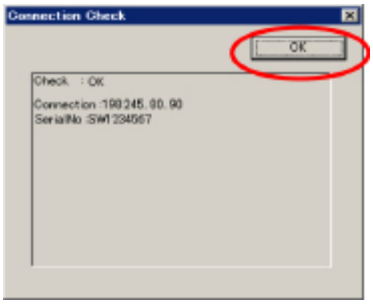


3. Select "LAN" in "Connection" and input the IP address of the projector, and click [Connection Check] button.

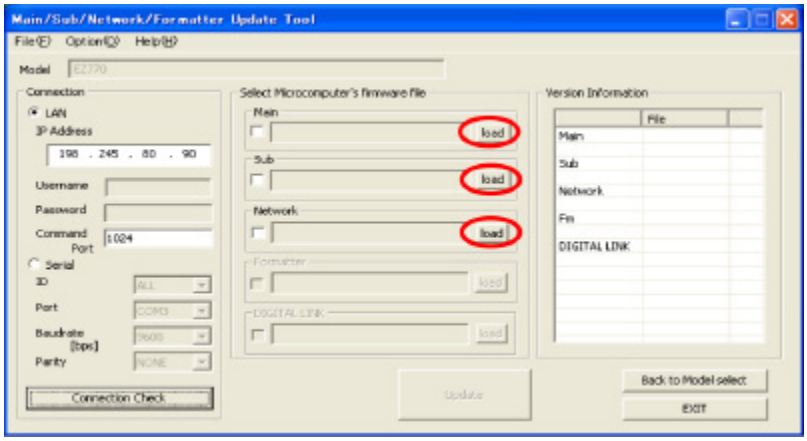


4. A result of the connection confirmation is displayed.

   "Check: OK" -> Click the [OK] button and step to the next.
   "Check: NG" -> Check the setting in step 3

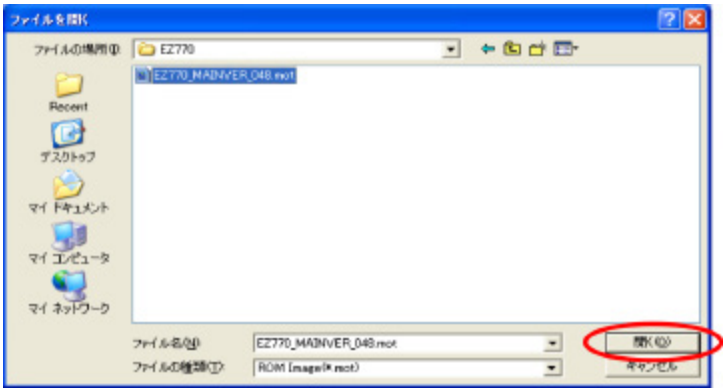


5. Click the [load] button which you want to update the software.

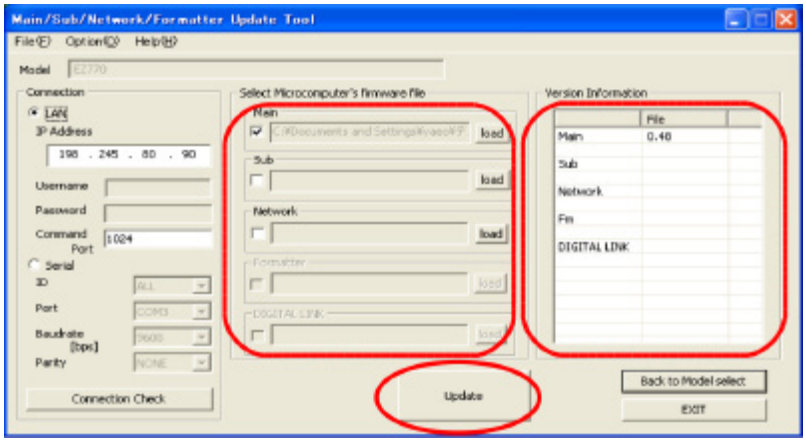


* DIGITAL LINK software cannot be updated by the network connection.

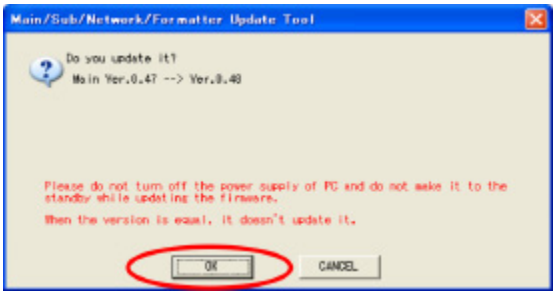
6. Select the new software, and click [Open] button.

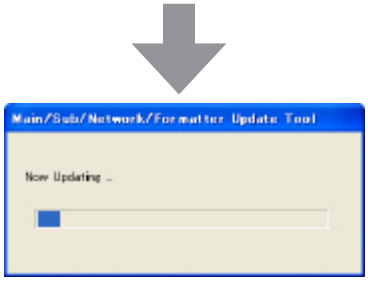


7. After getting the software, a checkmark and path name to the software and a version will be displayed on the window.
   Click the [Update] button to start updating of the software.
   * If you do not want to update the software, uncheck the software.



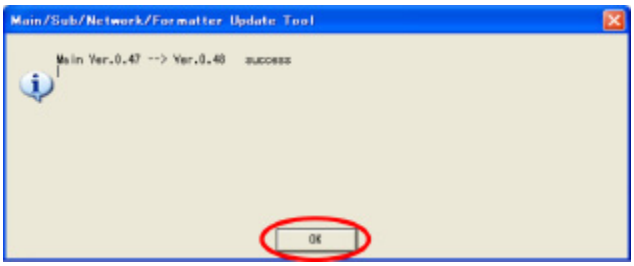
8. Click [OK] button to start updating if the software version is right.





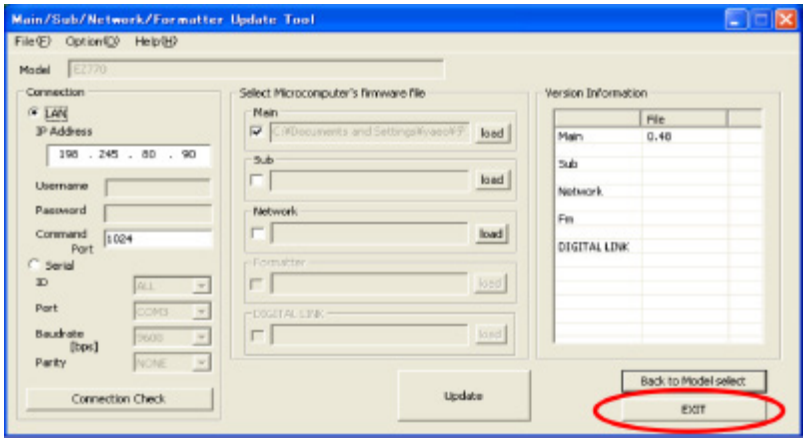
During updating, the progress window will appear and the LED indicators on the projector will light as the below;
* Main : LAMP and TEMP indicators flash in red alternately.
* Sub : POWER indicator is off, LAMP and TEMP indicators light in red
* Network: LAMP and TEMP indicators flash in red alternately

9.After finishing the updating, the conformation window will appear. Click the [OK] button to close the window.



* If the version of the software is the same, its updating will be skipped.

10. Click the [EXIT] button to quit the application

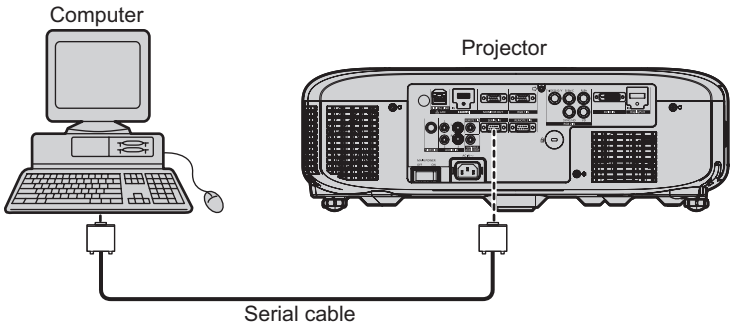


After finishing the updating, turn the POWER switch off and on, and then turn the projector on.
Confirm whether the version of the Microprocessor Software is updated definitely with sub menu " STATUS" of the main menu " PROJECTOR SETUP" .

2. 2. Update by the serial terminal connection (Main/sub/DIGITAL LINK software updating)

2. 2. 1. Equipment to be used

1. Computer : Use it for the transfer of software.
2. Communication cable : D-sub 9oin (male/female RS-232C straight)
3. Service Software : [Main/Sub/Network/Formatter Update Tool.exe] Service software can be downloaded from the projector service homepage.
4. Microprocessor software: Please download the file from the projector service homepage to your PC.



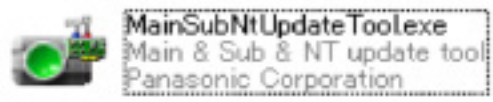
2. 2. 2. Connection Preparations

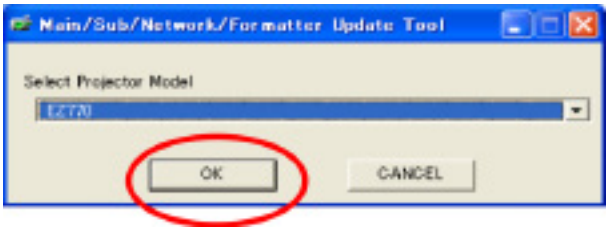
1. Set the "RS232C" of the "PROJECTOR SETUP" menu to "PROJECTOR".
2. Confirm the "Projector's ID", "Baudrate" and "Parity" and take a note.
3. Connect the serial cable.

Note:
Set up your computer not to turn in the standby or shutdown during the software updating.

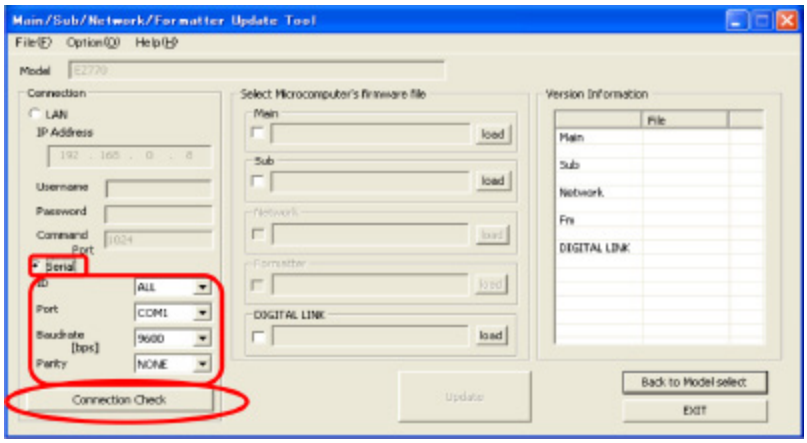
2. 2. 3. Update procedure

1. Set the projector to "Normal-Standby" mode (POWER indicator is Lighting in red).
2. Start up service software with a computer, select Model, and then click the [OK] button.



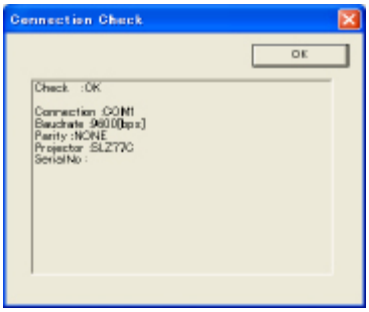


3. Select "Serial" in "Connection" and input the ID, Port, Baudrate, and click [Connection Check] button.

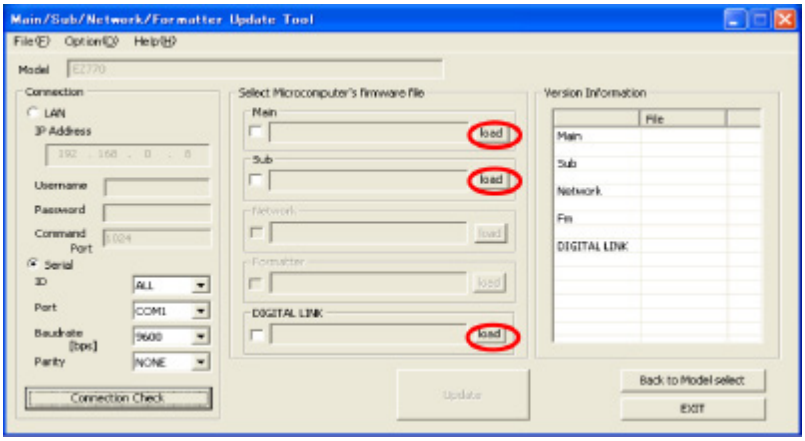


4. A result of the connection confirmation is displayed.

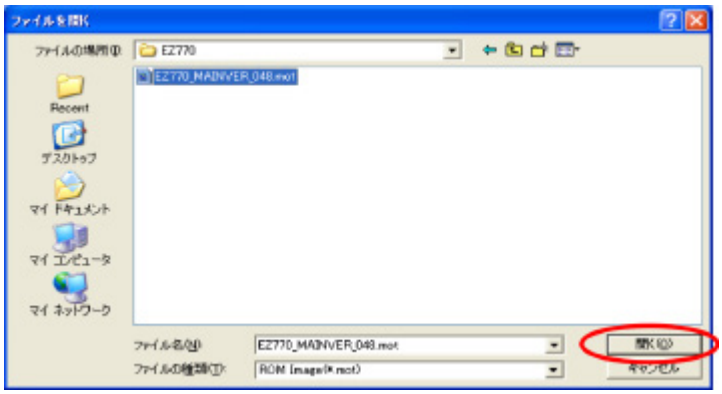
   "Check: OK" -> Click the [OK] button and step to the next.
   "Check: NG" -> Check the setting in step 3



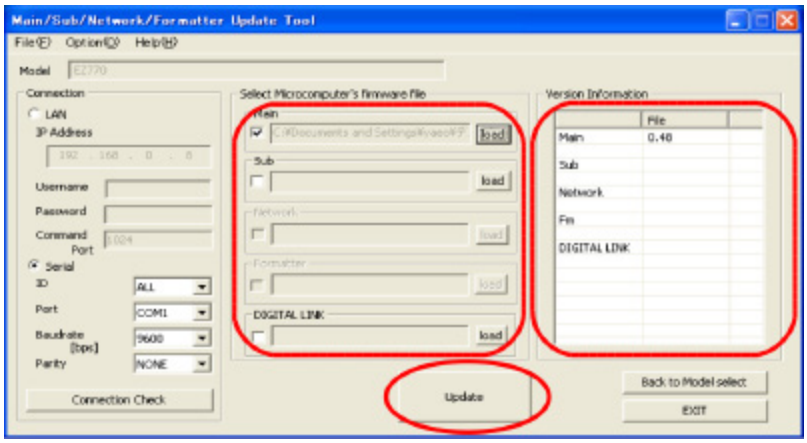
5. Click the [load] button which you want to update the software.



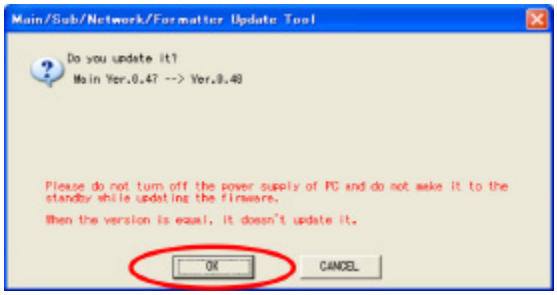
6. Select the new software, and click [Open] button.

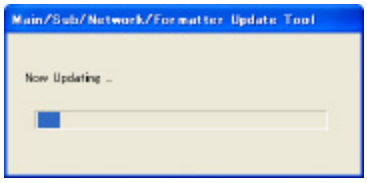


7. After getting the software, a checkmark and path name to the software and a version will be displayed on the window.
   Click the [Update] button to start updating of the software.
   * If you do not want to update the software, uncheck the software.



8. Click [OK] button to start updating if the software version is right.





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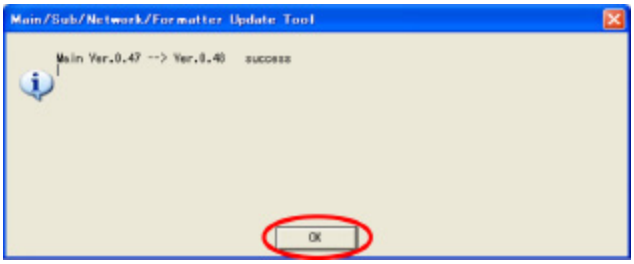
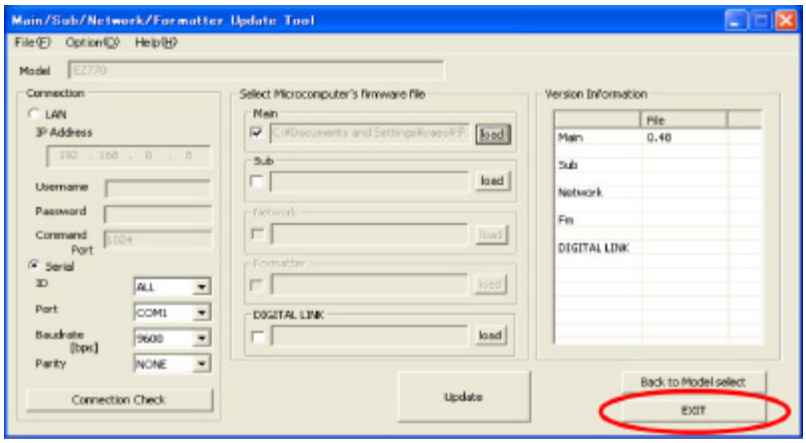
* Main : LAMP and TEMP indicators flash in red alternately.
* Sub : POWER indicator is off, LAMP and TEMP indicators light in red
* Network: LAMP and TEMP indicators flash in red alternately

9.After finishing the updating, the conformation window will appear. Click the [OK] button to close the window.



* If the version of the software is the same, its updating will be skipped.

10. Click the [EXIT] button to quit the application



After finishing the updating, turn the POWER switch off and on, and then turn the projector on.
Confirm whether the version of the Microprocessor Software is updated definitely with sub menu " STATUS" of the main menu " PROJECTOR SETUP" .

Schematic Diagram

Model No. PT-EZ770Z / PT-EZ770ZL
PT-EW730Z / PT-EW730ZL
PT-EX800Z /PT-EX800ZL

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4.8. C-P.C. Board
4.9. F-P.C. Board
4.10. M1-P.C. Board
4.11. M2-P.C. Board
4.12. M3-P.C. Board

Important Safety Notice

Components identified by the international symbol ⚠ have special characteristics important for safety.
When replacing any of these components, use only the manufacturer's specified ones.

■ Notes

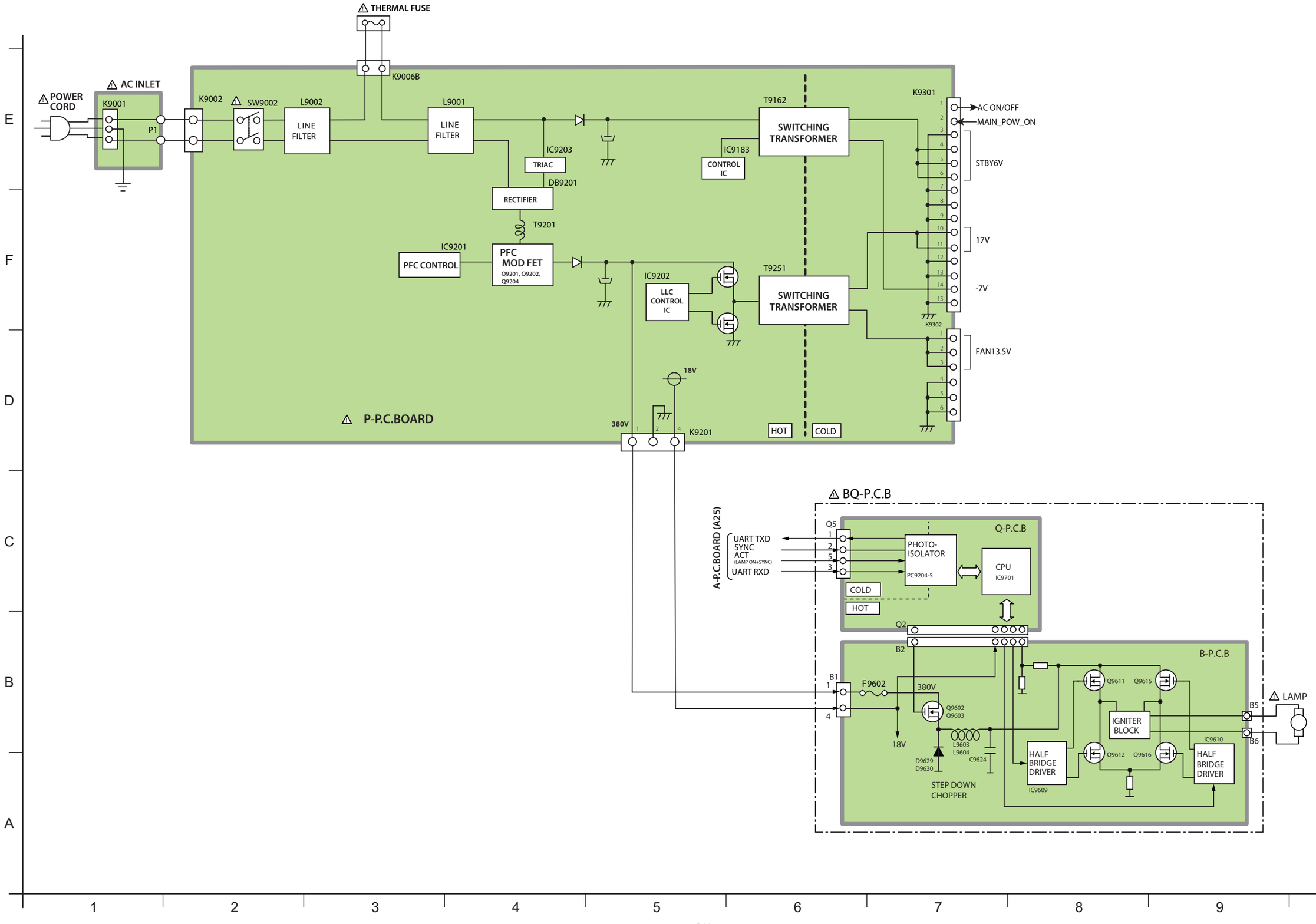
1. Resistor
   All the resistors are carbon 1/4W resistors, unless marked as follows.
   The unit of resistance is an OHM [Ω] (K=1 000 M=1 000000).
   ○: Nonflammable
   △: Solid
   ⊠: Wire Wound
   ⊠: Metal Oxide
   ◎: Metal Film
   ⊗: Fuse
2. Capacitor
   ⊗: Temperature Compensation
   Ⓜ: Polyester
   ⓜ: Metallized Polyester
   ⊠: Polypropylene
   : Electrolytic
   NP: Bipolar
   Ⓣ: Dipped Tantalum
   Ⓩ: Z-Type
3. Coil
   The unit of inductance is a H, unless otherwise noted.
4. Test Point
   : Test Point
5. HOT and COLD indications
   The power circuit board contains a circuit area using a separate power supply to isolate the ground connection.
   The circuit is defined by HOT and COLD indications in the schematic diagram. Take the precautions below:
6. This schematic diagram is the latest at the time of printing and the subject to change without notice.

■ Precautions

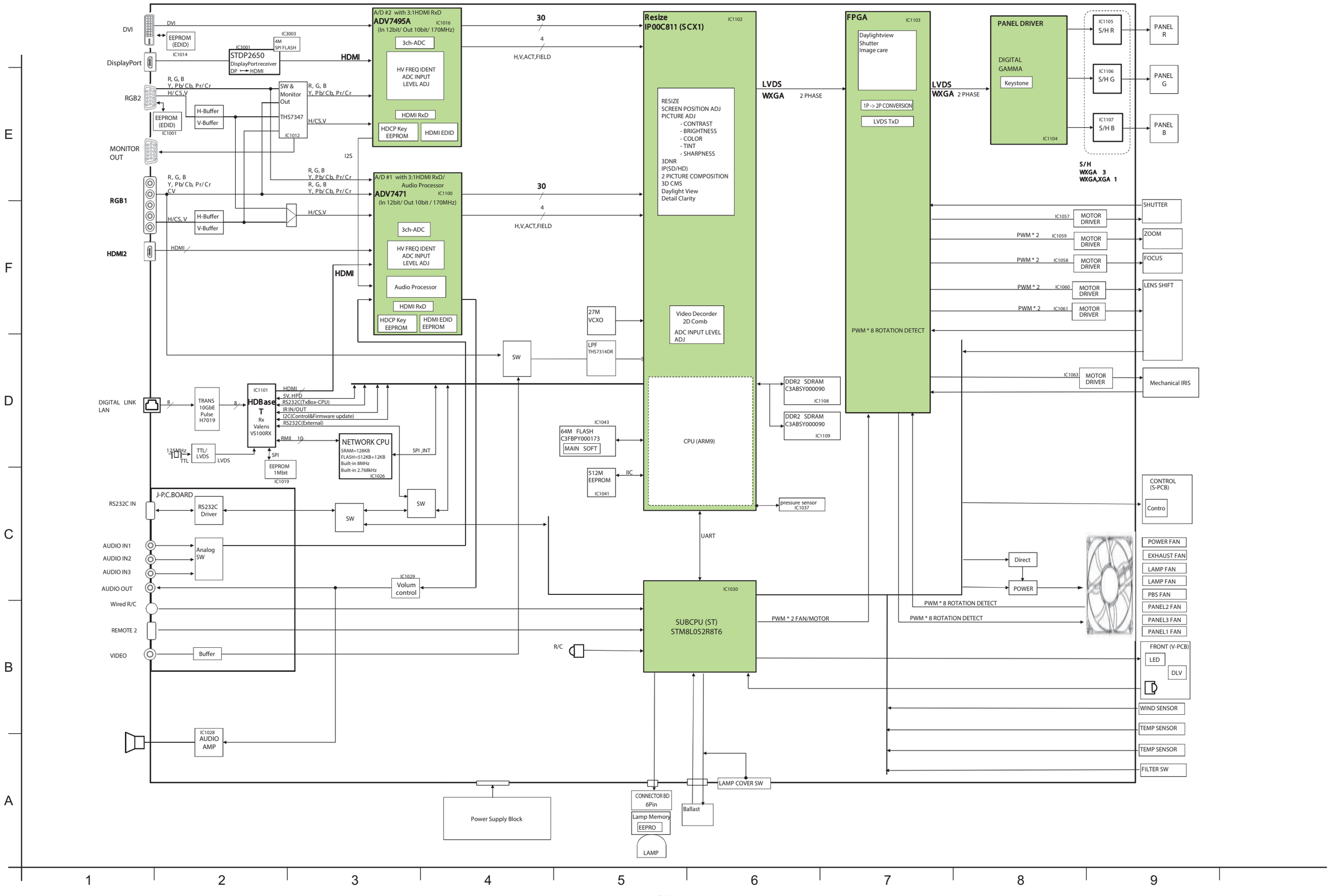
1. NEVER touch the HOT part or the HOT and COLD parts at the same time, or you may get an electric shock.
2. NEVER short-circuit the HOT and COLD circuits, or the fuse may blow and the parts may break.
3. NEVER connect an instrument such oscilloscope to the HOT and COLD circuit simultaneously, or the fuse may blow.
   Connect the ground of instruments to the ground of the circuit being measured.
4. MAKE SURE to unplug the power cord from the power outlet before removing the chassis.
5. Be sure to make your orders of replacement parts according to parts list section.

1. Block Diagram

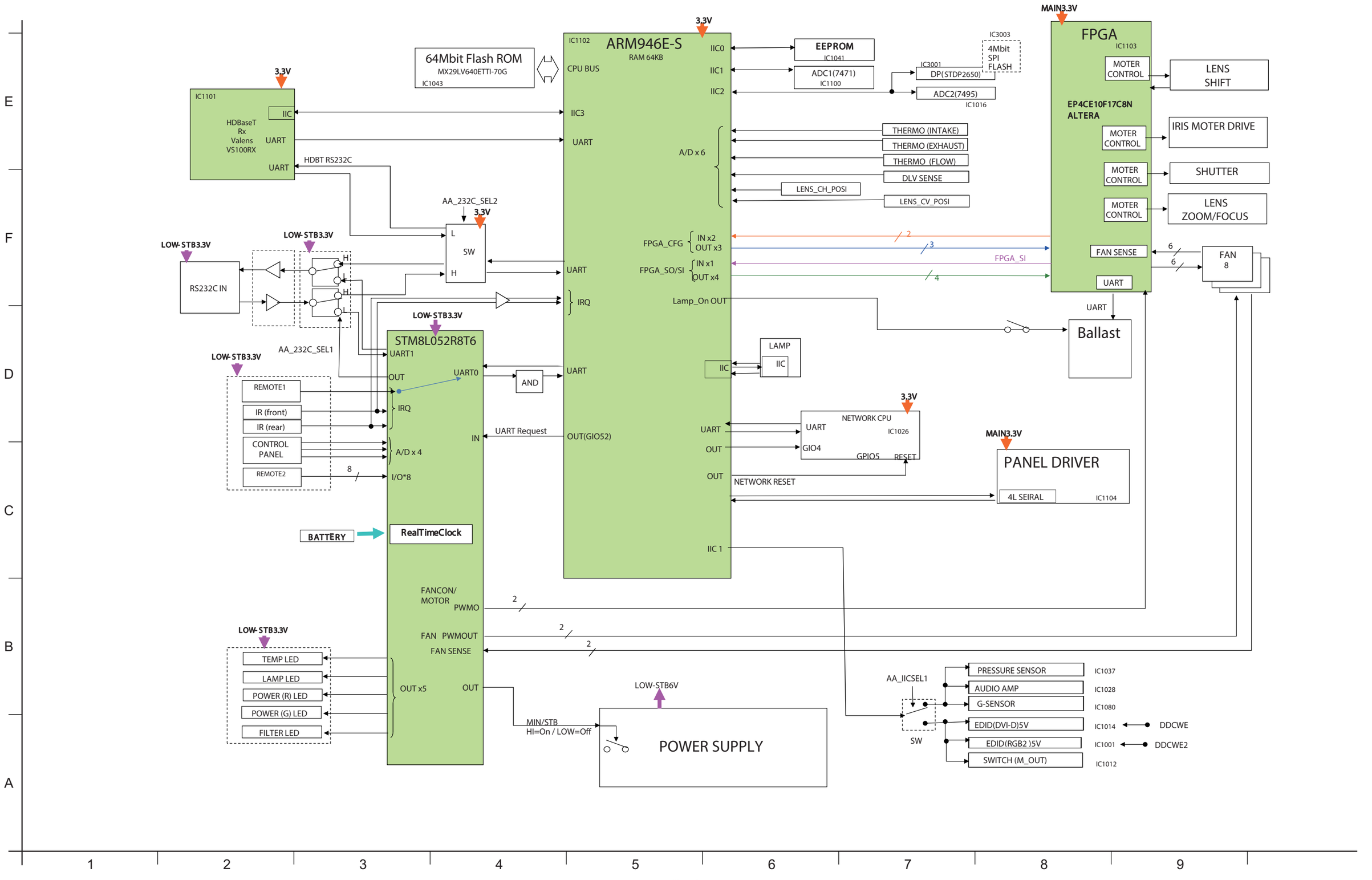
1.1. Power Supply Block Diagram



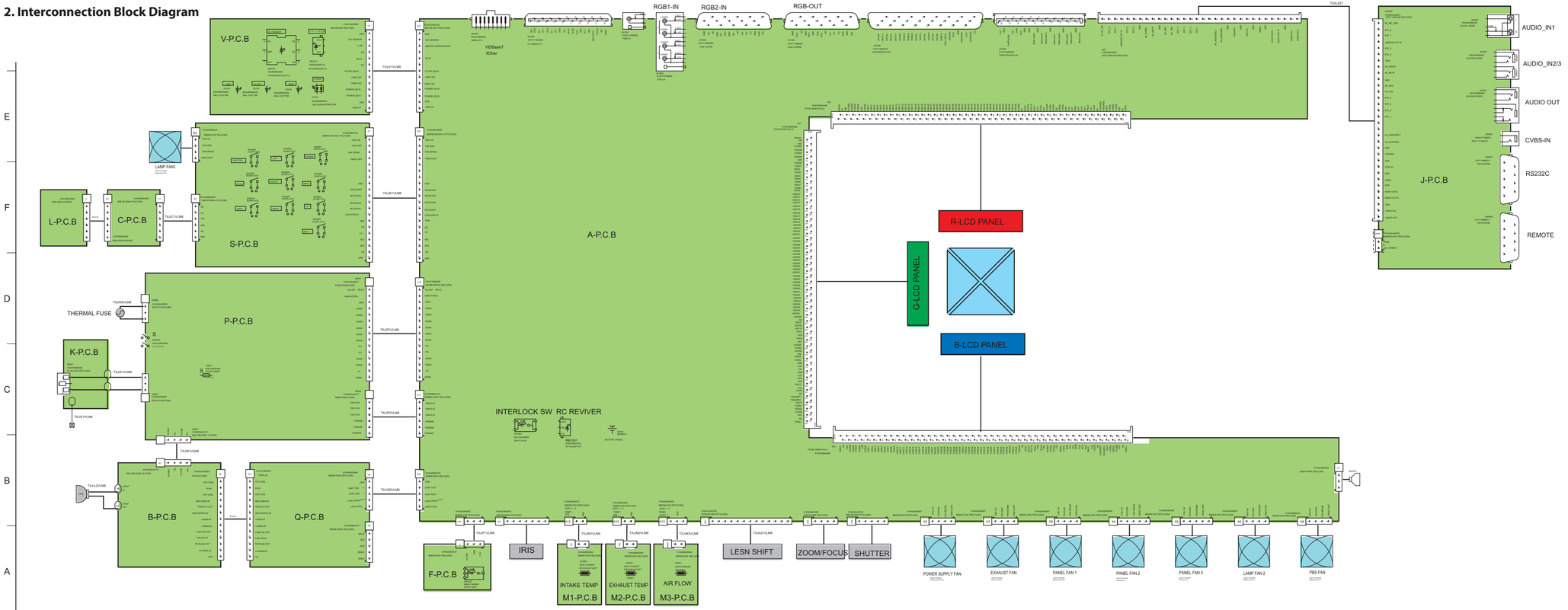
1.2. Signal Processing Block Diagram



1.3. System Control Block Diagram

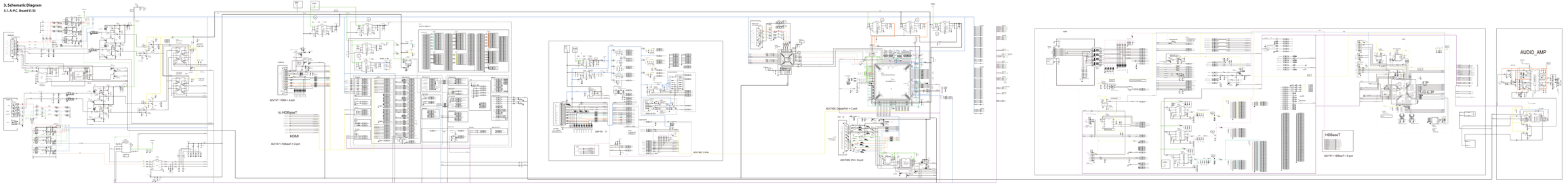


2. Interconnection Block Diagram



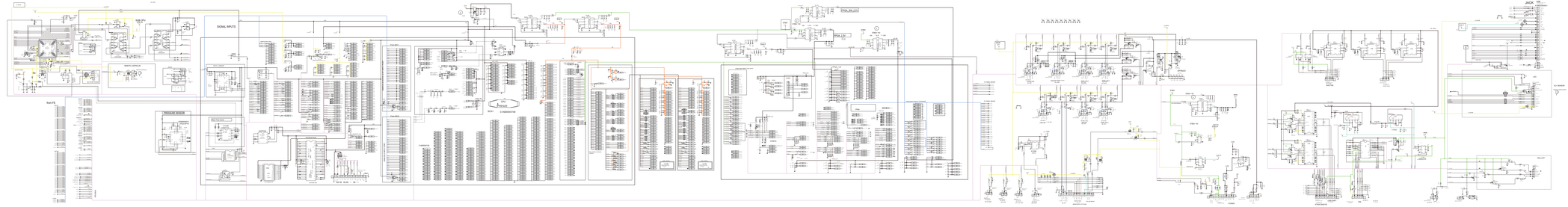
3. Schematic Diagram

3.1. A-P.C. Board (1/3)

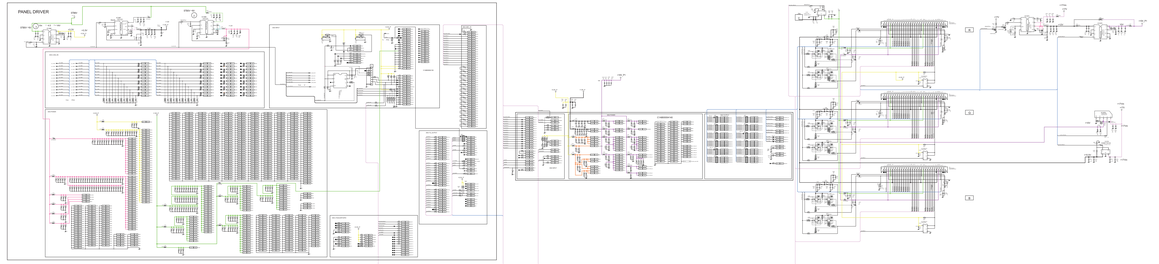


SECTION 4 SCHEMATIC DIAGRAMS

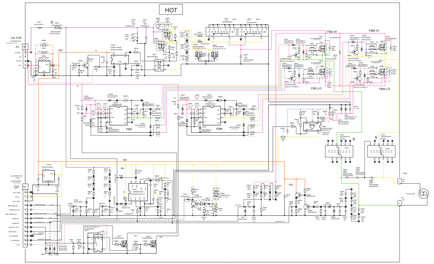
3.2. A.P.C. Board (2/3)



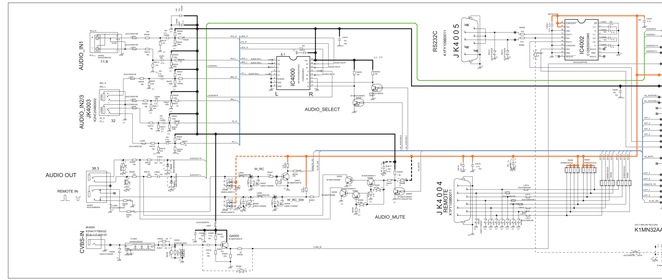
3.3. A-P.C. Board (3/3)



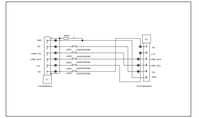
3.4. B-P.C. Board



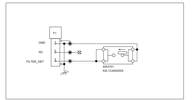
3.5. J-P.C. Board



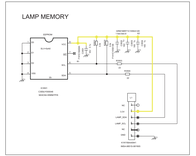
3.6. C-P.C. Board



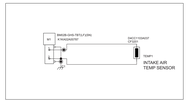
3.7. F-P.C. Board



3.8. L-P.C. Board



3.9. M1-P.C. Board



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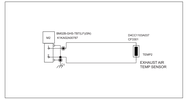

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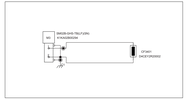

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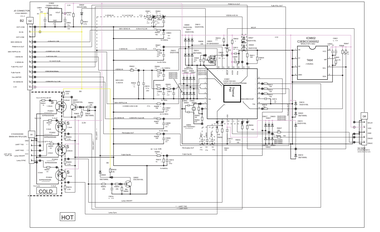
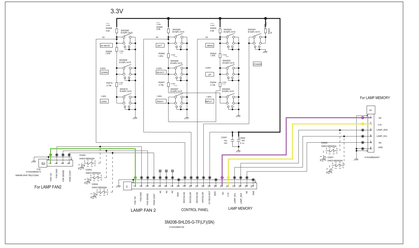


3.13. S-P.C. Board



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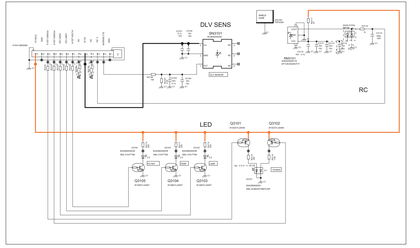

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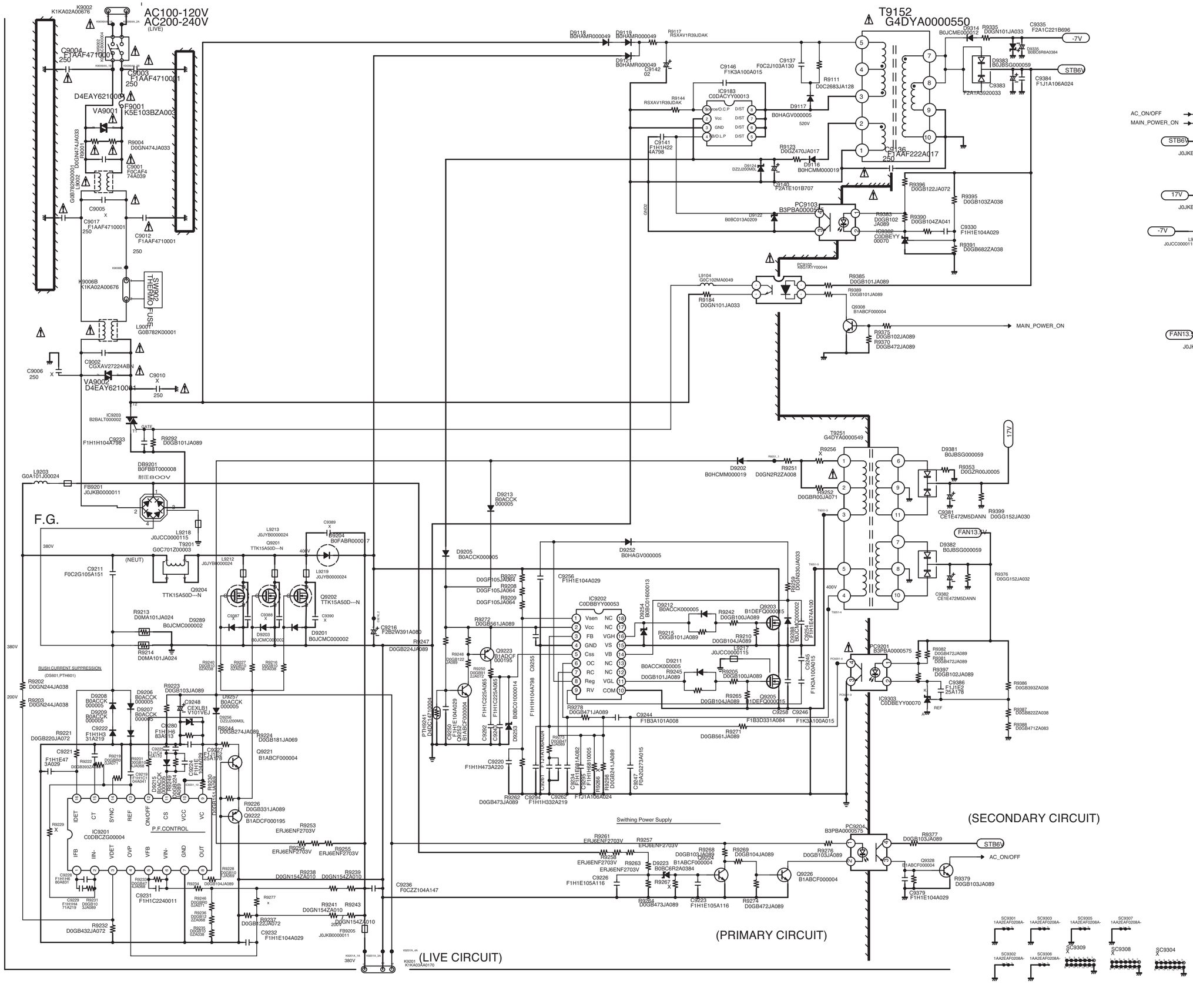
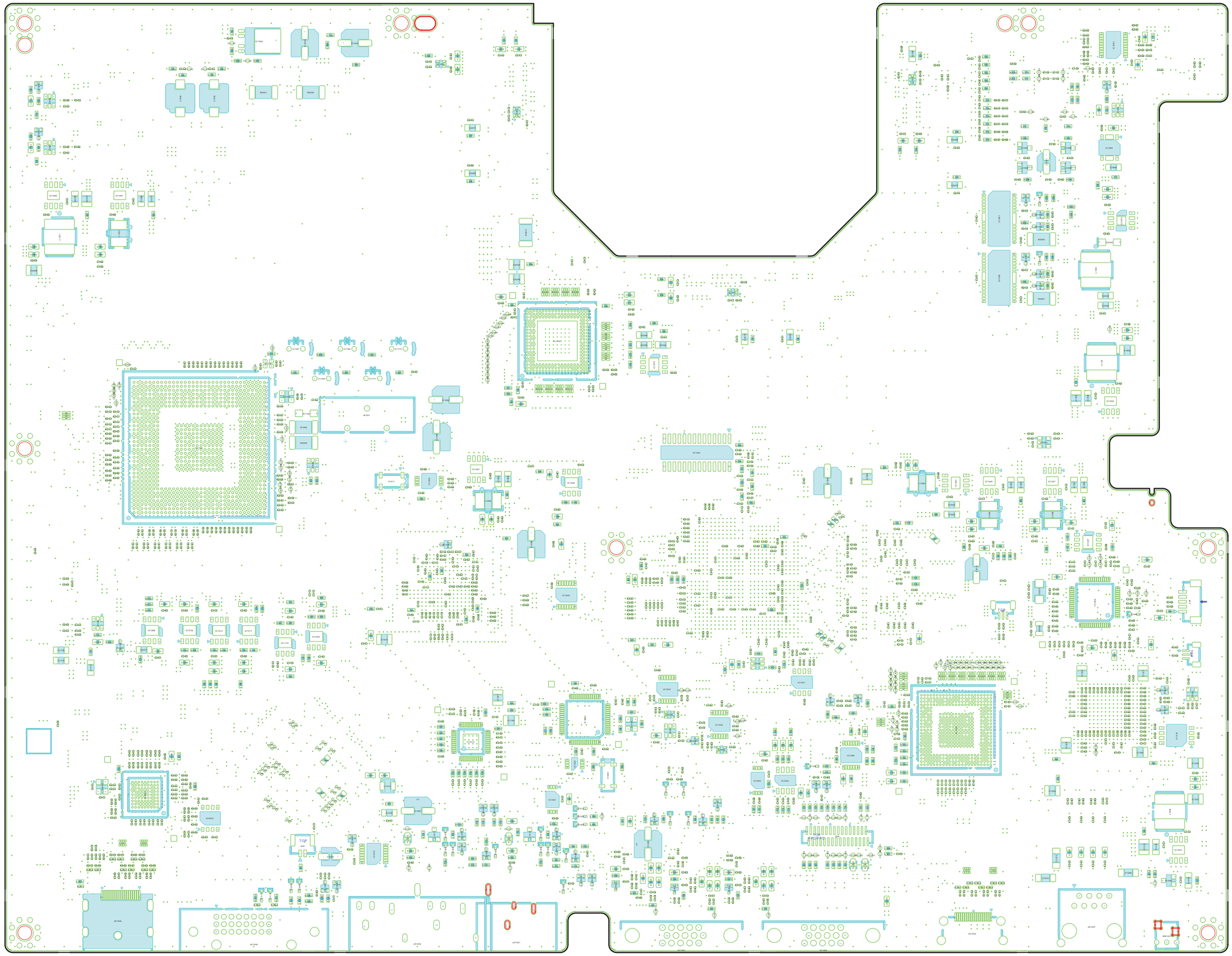
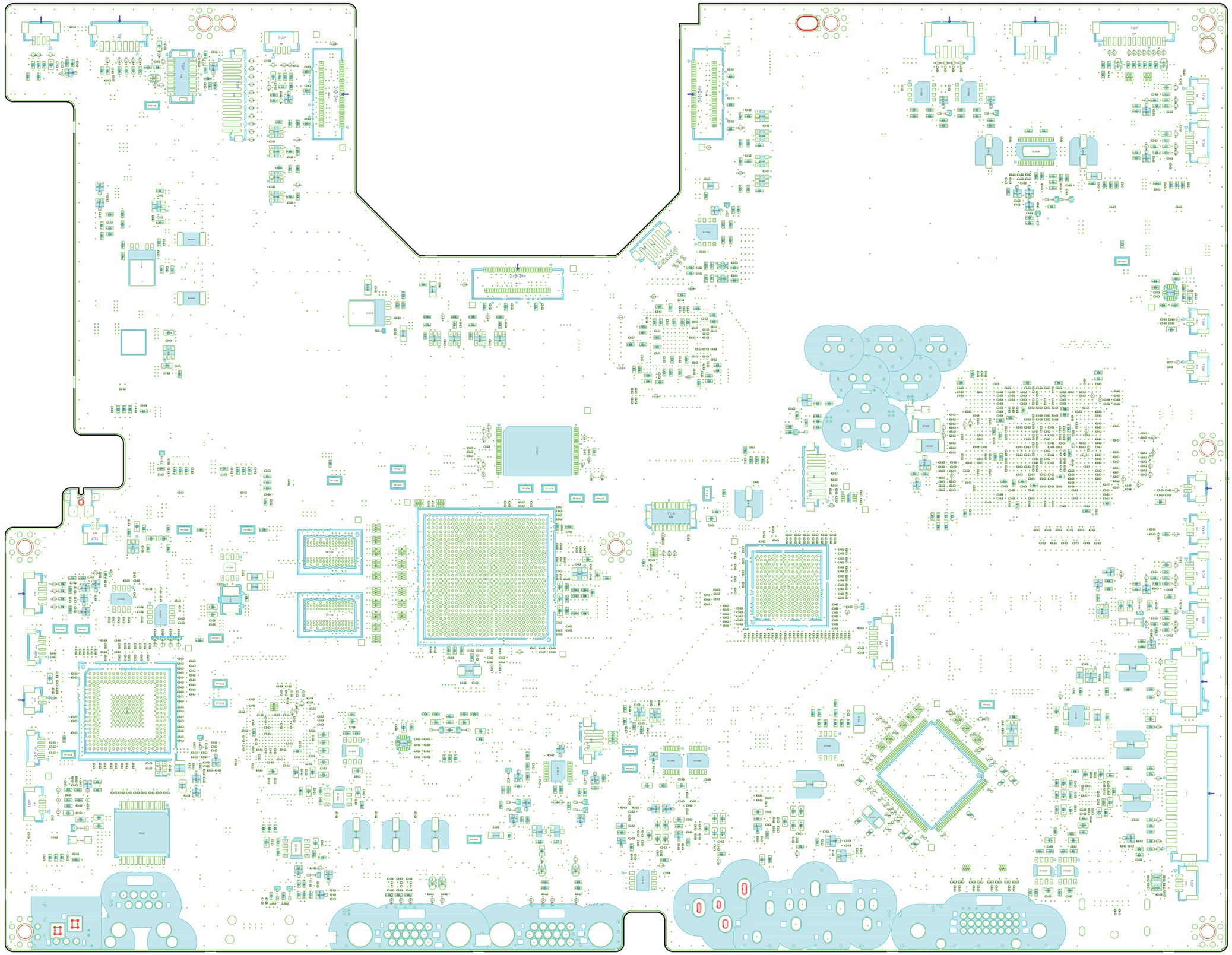


4. Circuit Boards Diagram

4.1. A-P.C. Board <A side>



4.1. A-P.C. Board <B side>



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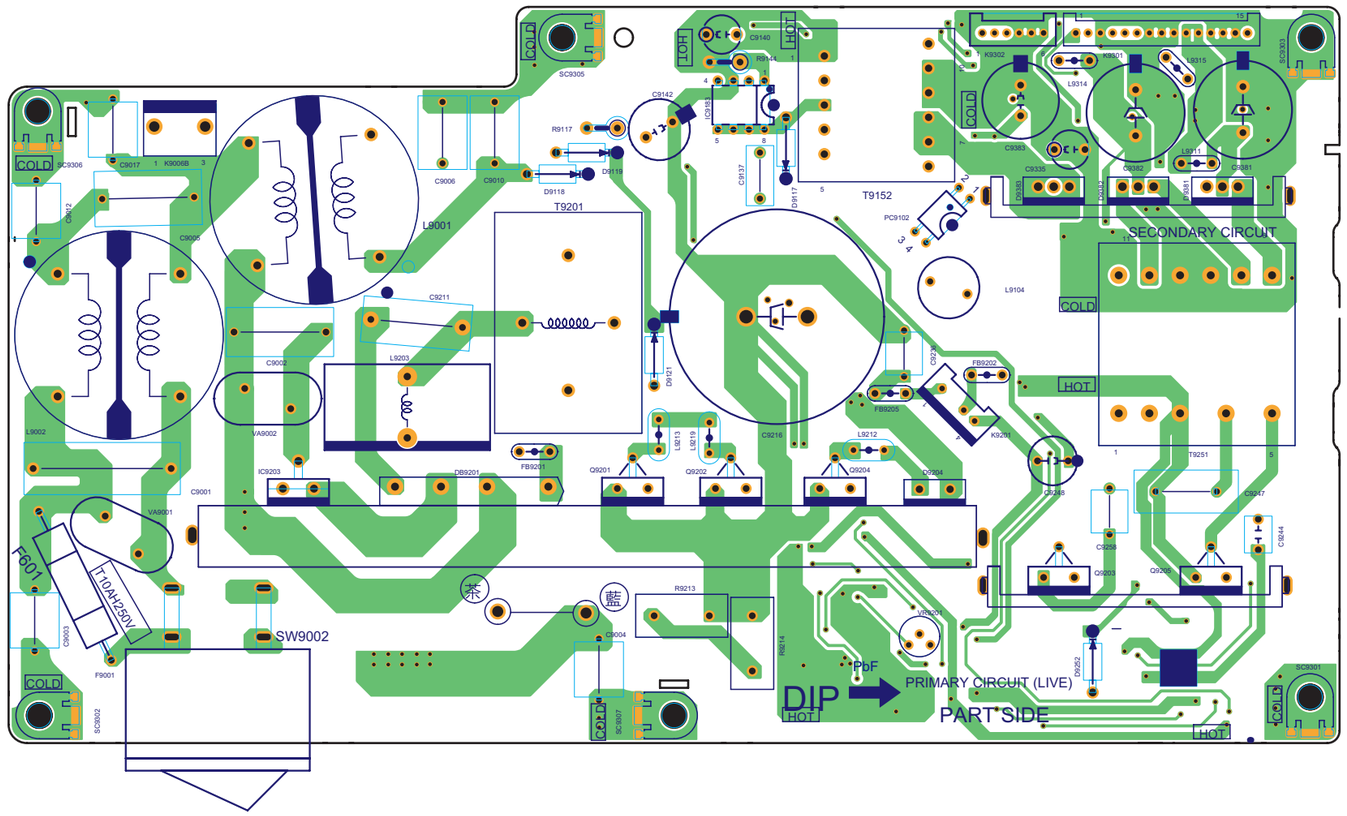

4.3. B-P.C. Board

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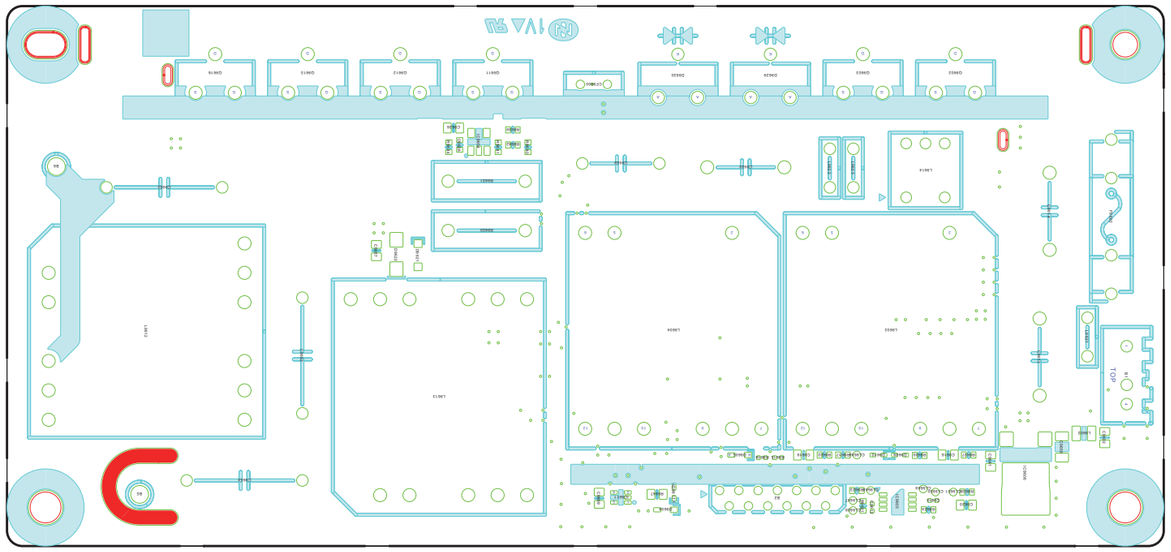

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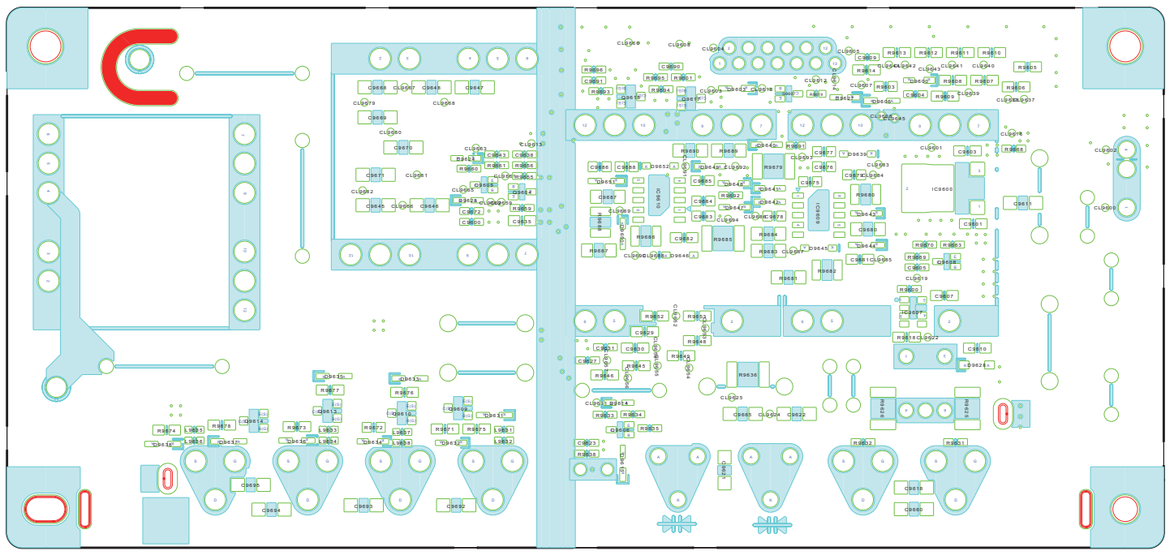

4.4. Q-P.C. Board

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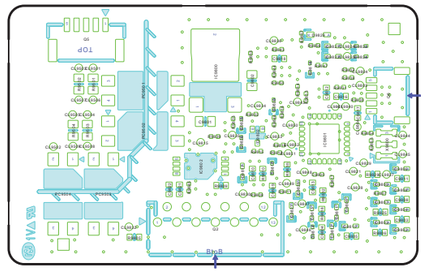

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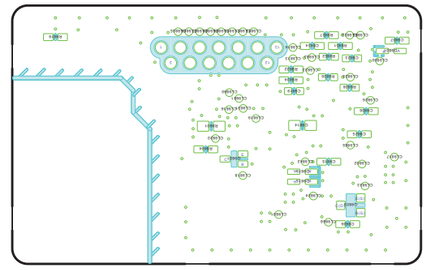

4.5. J-P.C. Board

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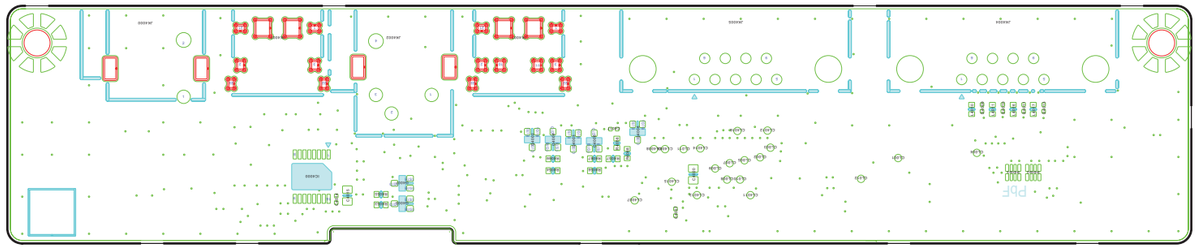

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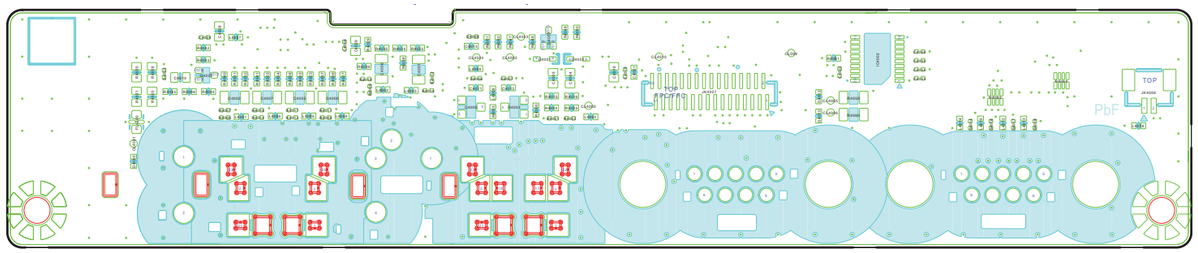

4.6. S-P.C. Board

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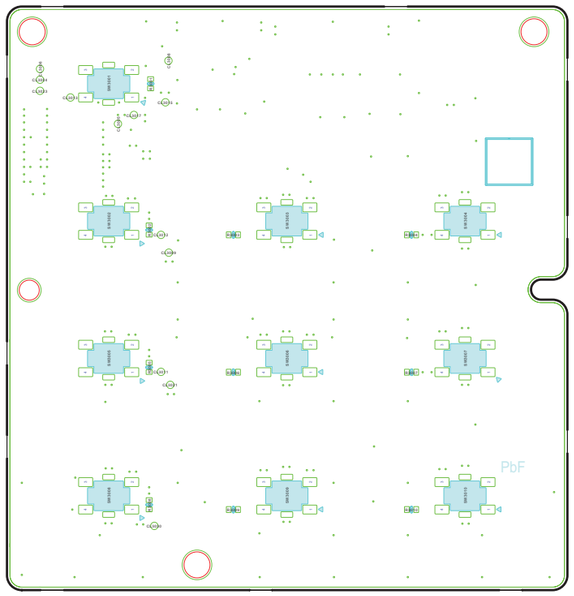

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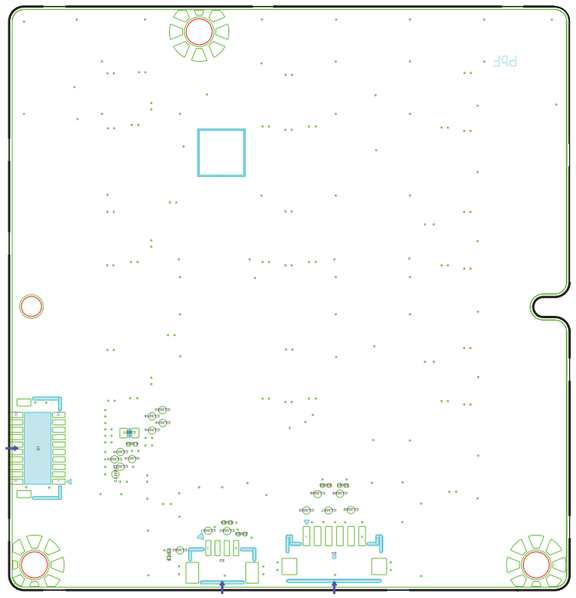

4.7. V-P.C. Board

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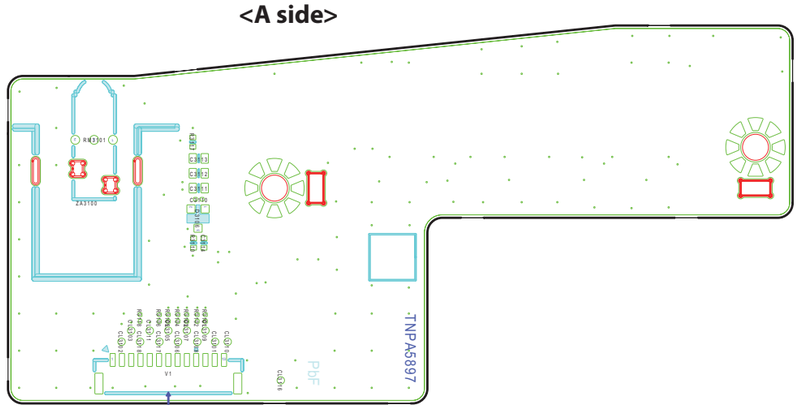

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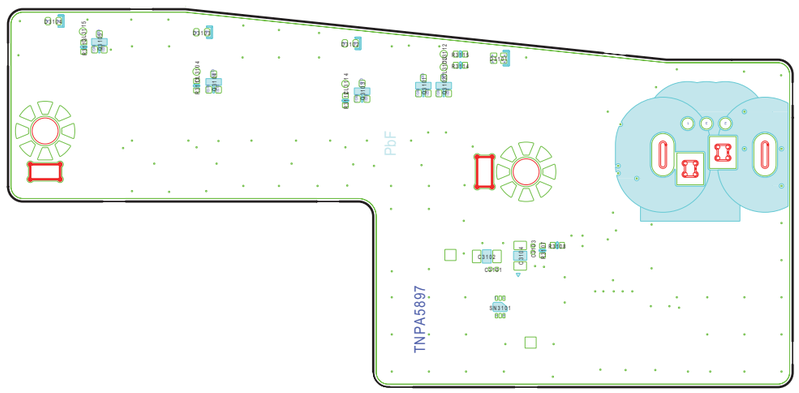

4.8. C-P.C. Board

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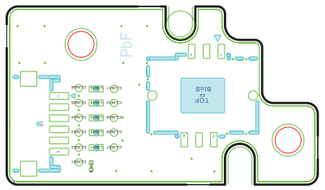

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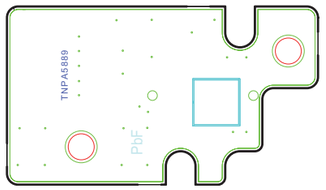

4.9. F-P.C. Board

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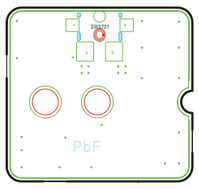

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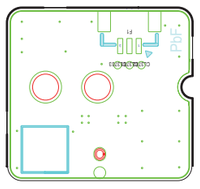

4.10. M1-P.C. Board

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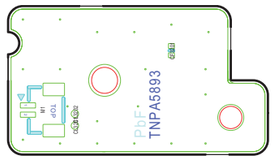

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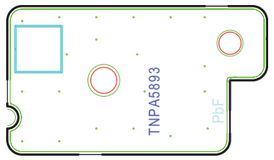

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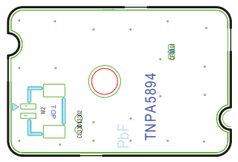

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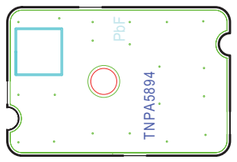

4.12. M3-P.C. Board

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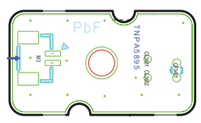

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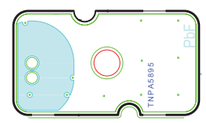

SECTION 5 PARTS LIST

Exploded Views & Parts List

Model No. **PT-EZ770Z / PT-EZ770ZL**
PT-EW730Z / PT-EW730ZL
PT-EX800Z /PT-EX800ZL

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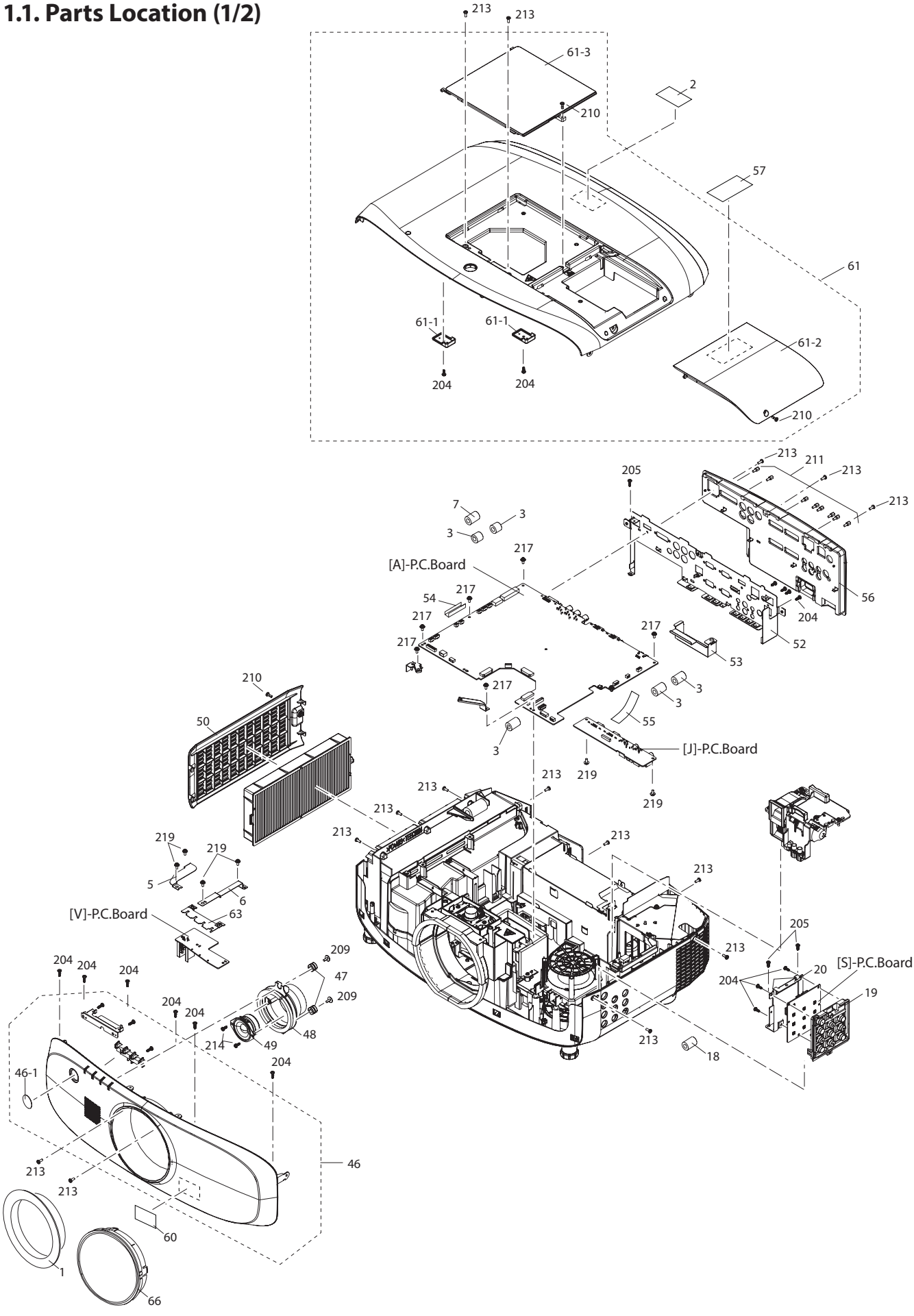
1.6. Packing Parts
2. Replacement Parts List SPL-9

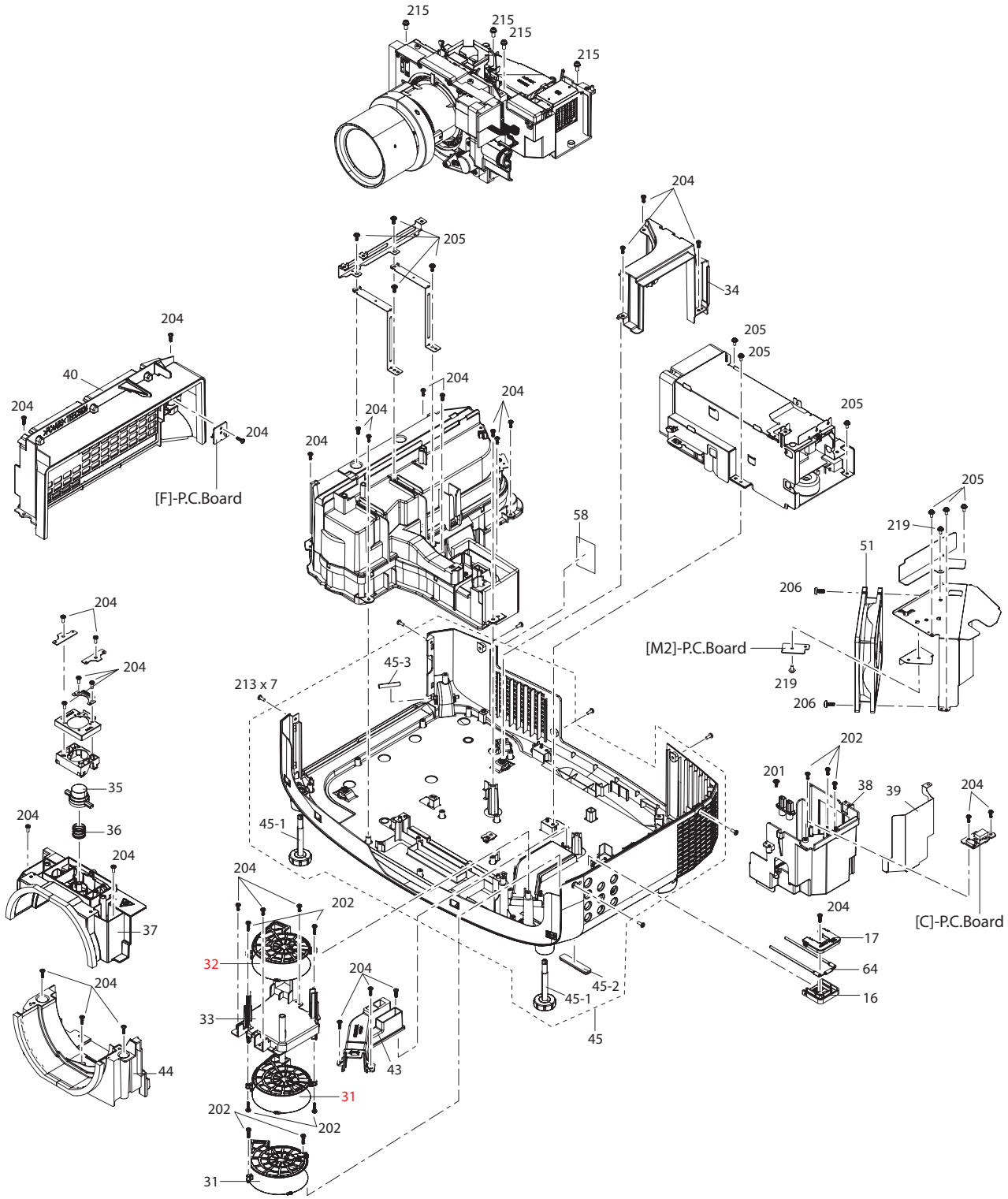
(2014-11)

1. Exploded views

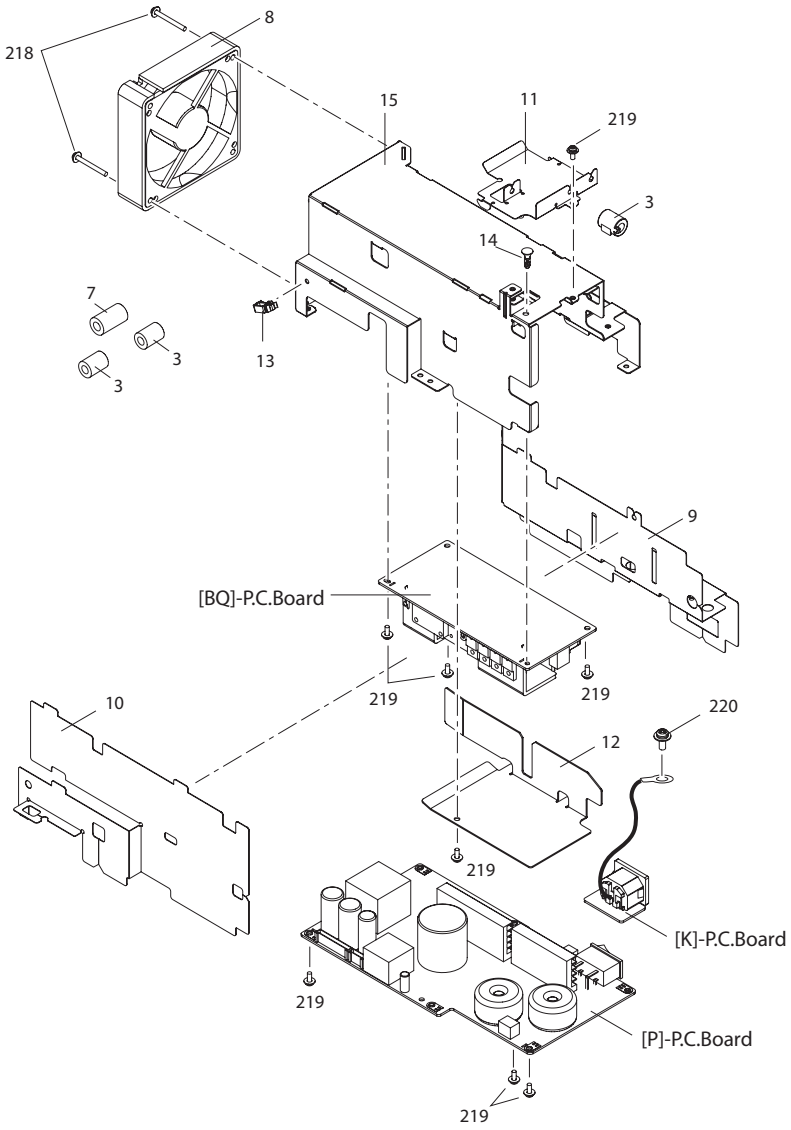
1.1. Parts Location (1/2)



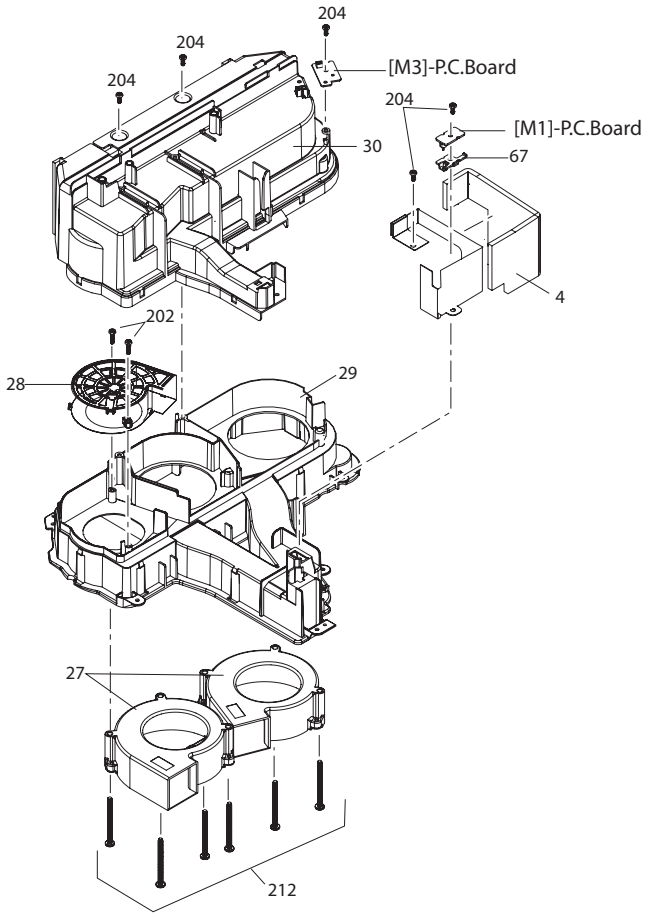
1.1. Parts Location (2/2)



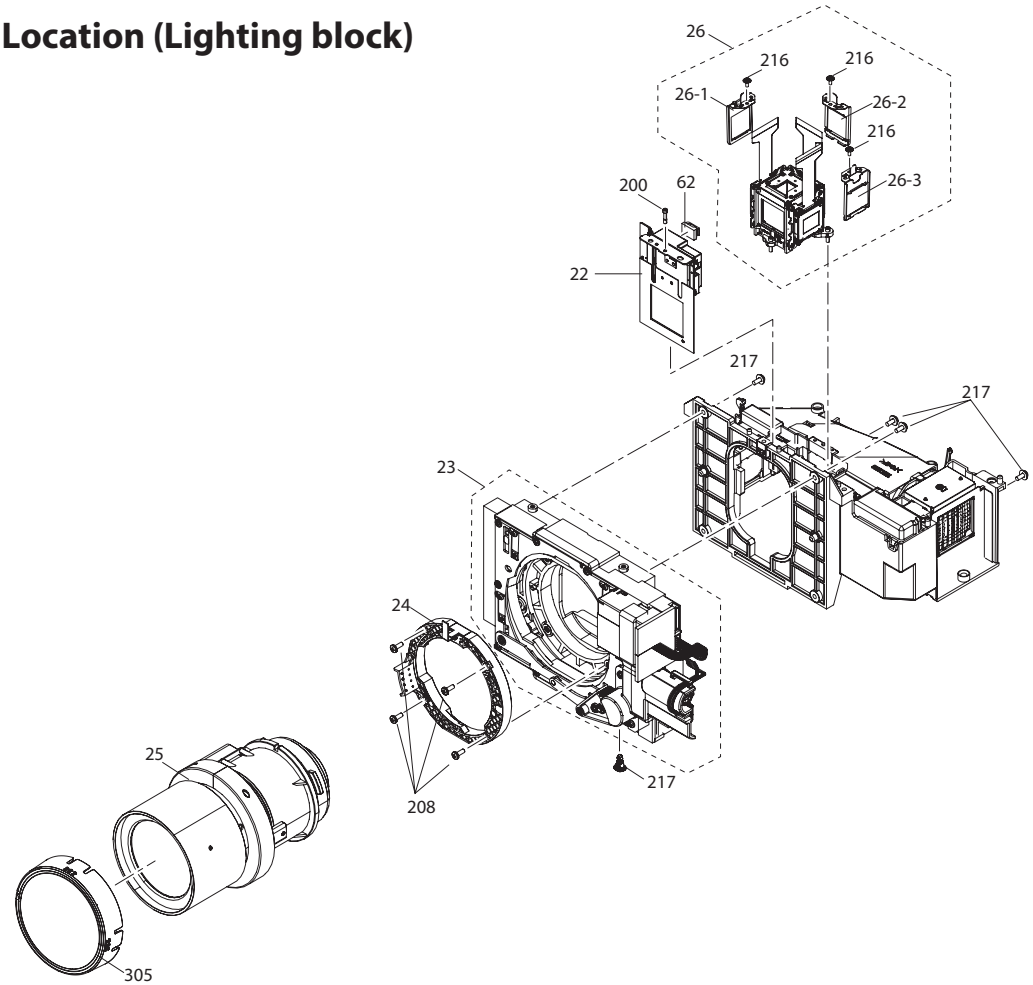
1.2. Parts Location (Power supply)



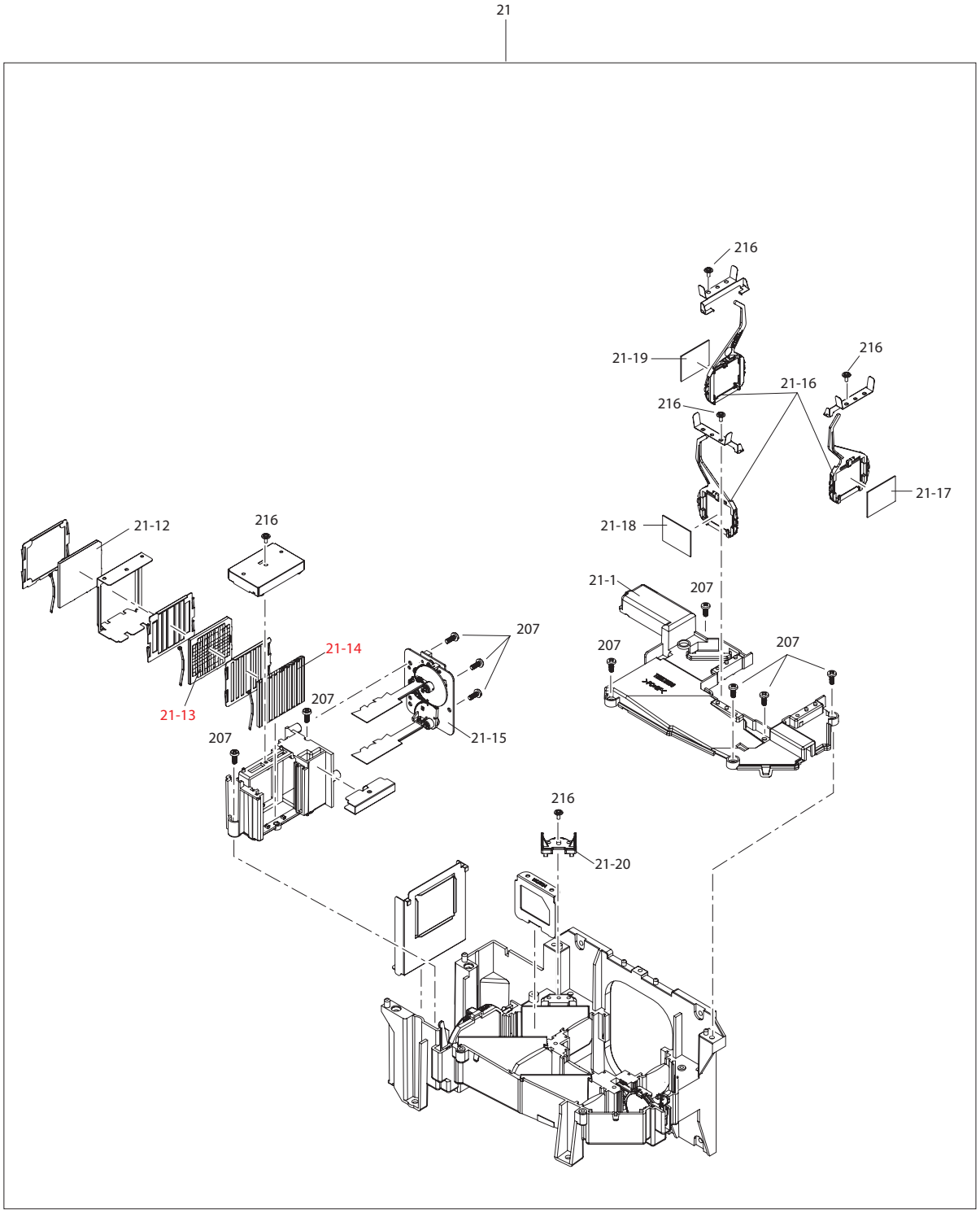
1.3. Parts Location (Intake duct)



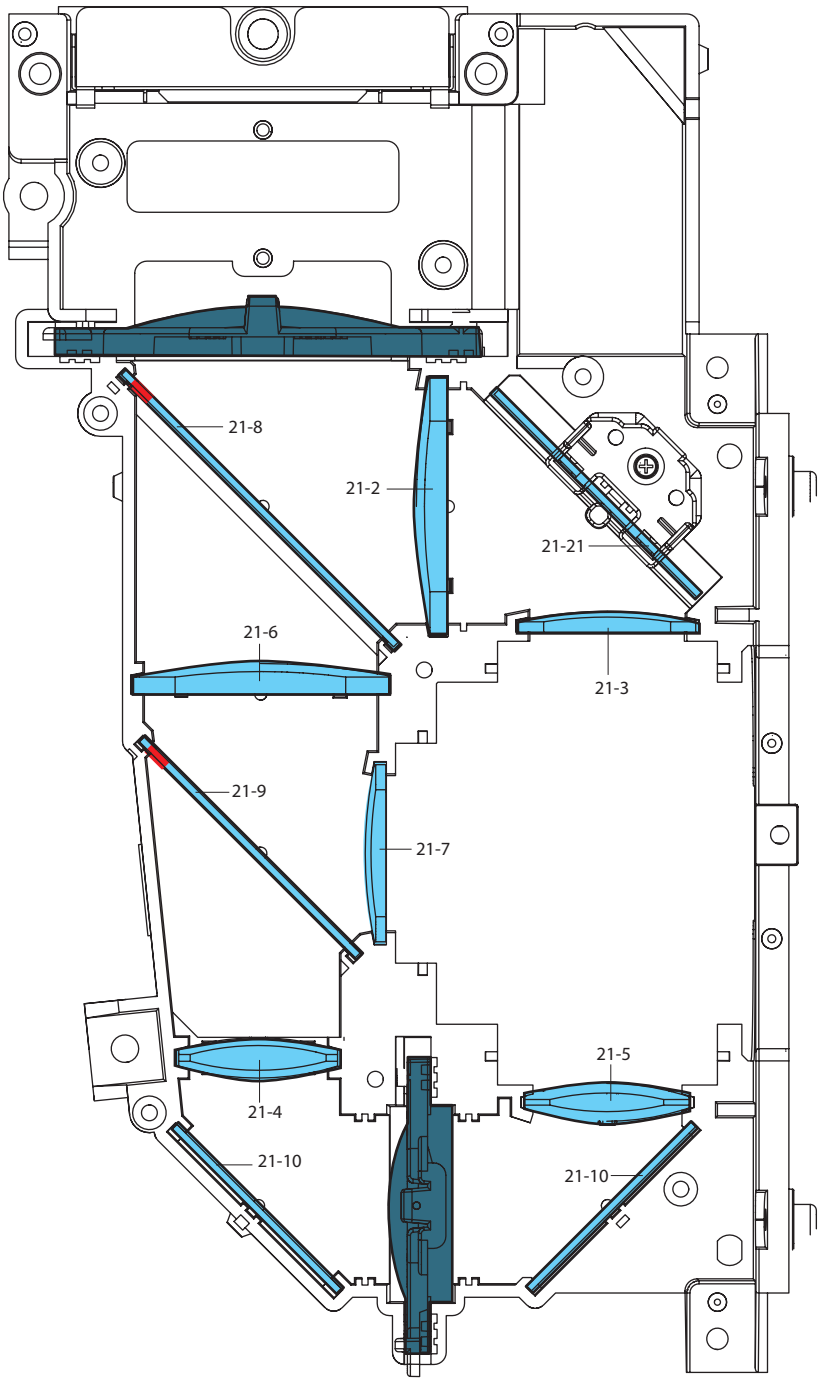
1.4. Parts Location (Lighting block)



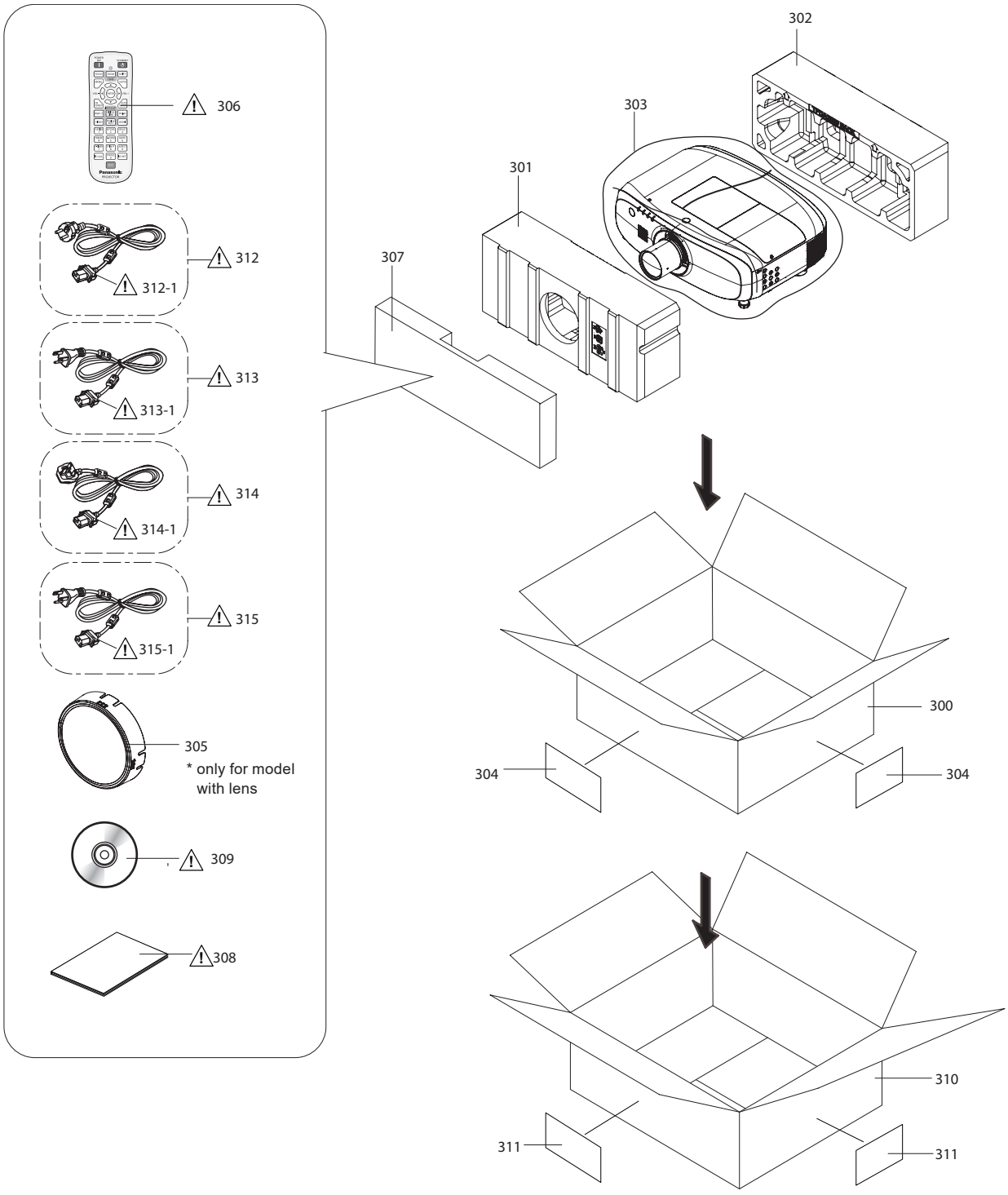
1.5. Parts Location (Lighting case (1/2))



1.5. Parts Location (Lighting case (2/2))



1.6. Packing Parts



2. Replacement Parts List

Important Safety Notice

Components identified by the International symbol ⚠ have special characteristics important for safety.
When replacing any of these components, use only the manufacturer's specified parts.

Abbreviation of part name and description

1. Resistor

Example:

ERD25TJ104 C 100KOHM, J, 1/4W

TYPE ALLOWANCE

TYPE	ALLOWANCE
C : Carbon	F : ± 1 %
F : Fuse	G : ± 2 %
M : Metal Oxide	J : ± 5 %
Metal Film	K : ±10%
S : Solid	M : ±20%
W : Wire Wound	

2. Capacitor

Example:

ECKF1H103ZF C 0.01PF, Z, 50V

TYPE ALLOWANCE

TYPE	ALLOWANCE
C : Ceramic	C : ±0.25 pF
E : Electrolytic	D : ±0.5 pF
P : Polyester	F : ± 1 pF
PP : Polypropylene	J : ± 5 %
S : Polystyrol	K : ±10 %
T : Tantalum	L : ±15 %
	M : ±20 %
	P : +100 %, -0 %
	Z : +80 %, -20 %

Notes:

Printed circuit board assembly with mark (RTL) is no longer available after production discontinuation of the complete set.

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
		MECHANICAL PARTS		
1	6103479286	LENS SPACER	1	Only models with lens
2	TBMA591	FEATURE LABEL	1	EZ770 series
2	TBMA593	FEATURE LABEL	1	EW730 series
2	TBMA595	FEATURE LABEL	1	EX800 series
3	J0KG00000158	CLAMP CORE	7	
4	TMKH678	DUST SHEET(PRISM)	1	
5	TMKZ612	FRONT EARTH SHEET 1	1	
6	TMKZ613	FRONT EARTH SHEET 2	1	
7	J0KG00000012	CLAMP CORE	2	
⚠ 8	TXAUC08VLM8	POWER FAN ASSY	1	
⚠ 9	TMKZ550	POWER INSULATION SHEET 1	1	
⚠ 10	TMKZ551	POWER INSULATION SHEET 2	1	
11	TMKZ573	CABLE TREATMENT SHEET	1	
⚠ 12	TMKZ608	POWER PARTITION SHEET	1	
13	TMME309	CLAMP	1	
14	TMME460	SPACER SUPPORT	1	
15	TUCC6532	POWER METAL	1	
16	6103595115	HOLDER BTM THERMO-MB2AC	1	
17	AA2HLM0698A-	HOLDER TOP THERMO-MB2AC	1	
18	J0KG00000163	CLAMP CORE	1	
19	TBXA58701A	OPERATION BUTTON	1	
20	TENC5913	OPERATION BUTTON HOLD PLATE	1	
21	TXFEE21VLM8	LIGHTING BLOCK	1	EZ770 series
21	TXFEE03VLN1	LIGHTING BLOCK	1	EW730 series
21	TXFEE04VLN3	LIGHTING BLOCK	1	EX800 series
21-1	TEEC5598	LIGHTING CASE TOP	1	
21-2	TKGF5447	CONDENSER LENS 2	1	
21-3	TKGF5448	FIELD LENS	1	
21-4	TKGF5449	RELAY LENS 1	1	
21-5	TKGF5451	RELAY LENS 3	1	
21-6	TKGF5455	CONDENSER LENS 2(G)	1	
21-7	TKGF5456	FIELD LENS(G)	1	
21-8	TKGJ5189	DICHROIC MIRROR (B)	1	
21-9	TKGJ5190	DICHROIC MIRROR (G)	1	
21-10	TKGJ5192	MIRROR(R)	2	
21-11	TEEC5599	LENS HOLDER INTE	1	
21-12	TKGF5442	LENS INTEGRATOR(IN)	1	EZ770 / EW730 series
21-12	TKGF5444	LENS INTEGRATOR(IN)	1	EX800 series
21-13	TKGF5443	LENS INTEGRATOR(OUT)	1	EZ770 / EW730 series
21-13	TKGF5445	LENS INTEGRATOR(OUT)	1	EX800 series
21-14	TKGP5560	PRISM(PBS)	1	
21-15	TXZEN02VLM8	IRIS UNIT	1	
21-16	6103619316	HOLDER POL IN	3	
21-17	TKGP5561	POLARIZED GLASS IN(R)	1	
21-18	TKGP5562	POLARIZED GLASS IN(G)	1	
21-19	TKGP5563	POLARIZED GLASS IN(B)	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
21-20	TEEC5622	MIRROR HOLDER(B)	1	
21-21	TKGJ5191	MIRROR (B)	1	
22	TXZEN07VLM8	SHUTTER UNIT	1	
23	TXFKG02VLM8	LENS MOUNT UNIT	1	
23-1	6103470832	HOLDER PRISM BTM KA8AL	1	
24	AV4Z10B69001	LENS PREJECTION MOUNT	1	
⚠ 25	TKGF0160-1	PROJECTION LENS	1	Only models with lens
26	TXZKG05VLM8A	OPTICAL BLOCK A	1	EZ770 series
26	TXZKG05VLM8B	OPTICAL BLOCK B	1	EZ770 series
26	TXZKG05VLN1A	OPTICAL BLOCK A	1	EW730 series
26	TXZKG05VLN1B	OPTICAL BLOCK B	1	EW730 series
26	TXZKG05VLN3A	OPTICAL BLOCK A	1	EX800 series
26	TXZKG05VLN3B	OPTICAL BLOCK B	1	EX800 series
26-1	TXFPC03VLM8	POLARIZED GLASS OUT (R) ASSY	1	
26-2	TXFPC02VLM8	POLARIZED GLASS OUT (G) ASSY	1	
26-3	TXFPC01VLM8	POLARIZED GLASS OUT (B) ASSY	1	
⚠ 27	TXFEE17VLM8	PANEL FAN ASSY 2/3	2	
⚠ 28	L6FCYYYH0195	PANEL FAN 1	1	
29	TXFEE15VLM8	INTAKE DUCT BOTTOM ASSY	1	
30	TXFEE16VLM8	INTAKE DUCT TOP ASSY	1	
⚠ 31	L6FCYYYH0194	LAMP FAN 2 / PBS FAN	2	
⚠ 32	L6FCYYYH0196	LAMP FAN 1	1	
33	TEEC5595	LAMP FAN HOLDER	1	
34	TXFEE06VLM8	POWER DUCT ASSY	1	
35	AA2BUM0629-B	BUTTON LNS REL-KV4A	1	
36	6103468549	SPRING BUTTON LNS-KA8AL	1	
⚠ 37	TXFEE20VLM8	LENS COVER TOP ASSY	1	
⚠ 38	TEEC5594	LAMP HOUSE	1	
39	TENC5886	LAMP HOUSE SHIELD METAL	1	
40	TXFEE18VLM8	FILTER HOUSE ASSY	1	
43	TEEC5596	PBS DUCT	1	
44	TXFEE19VLM8	LENS COVER BOTTOM ASSY	1	
⚠ 45	TXFKF09VLM8	BOTTOM CASE ASSY	1	
45-1	TBLB0101	ADJUSTER FOOT	2	
45-2	TBLG3042-1	DEC LEG-KA8AL	1	
45-3	6103490199	MOUNT LOCK-KJ8YC	1	
⚠ 46	TXFKF08VLM8	FRONT COVER ASSY	1	
46-1	TKKC5440	REMOTE RECEIVER PLATE	1	
47	6103519845	DAMPER BUSH KG8AC	2	
48	TXFKF10VLM8	SPEAKER CASE ASSY	1	
49	TXFXJ01VLM8	SPEAKER ASSY	1	
⚠ 50	TKFE24701A	FILTER COVER	1	
⚠ 51	L6FAYYYH0301	EXHAUST FAN	1	
52	TKZF5087	TERMINAL METAL	1	
53	TMKZ657	SHADING SHEET	1	
54	TMKZ621	CABLE PROTECTION	1	
55	TSXL827	A-J FFC	1	
⚠ 56	TXFKP01VLM8	TERMINAL COVER ASSY	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 57	TQFN092	LAMP EXCHANGE LABEL	1	exc T / TL
⚠ 57	DPQT1260ZA	LAMP EXCHANGE LABEL	1	T / TL
⚠ 58	TQFN095	HOT WIND CAUTION LABEL	1	exc T / TL
⚠ 58	DPQT1228ZA	HOT WIND CAUTION LABEL	1	T / TL
⚠ 60	TQFX448	PEEP CAUTION LABEL	1	exc T / TL
⚠ 60	DPQT1259ZA	PEEP CAUTION LABEL	1	T / TL
⚠ 61	TXFKF03VLM8	TOP COVER ASSY	1	
61-1	TKXA29701	HINGE COVER	2	
⚠ 61-2	TXFKF04VLM8	LAMP COVER ASSY	1	
⚠ 61-3	TXFKF05VLM8	PRISM COVER ASSY	1	
62	6103477596	FIXER SHUTTER	1	
63	TMKZ619	LED SHEET	1	
⚠ 64	TXJ/K6VLM8	K6 CABLE（THERMAL FUSE)	1	K9006
66	6103619194	COVER WITHOUT LNS-KA8AL	1	Only without lens model
67	TEEC5645	SENSOR HOLDER	1	
	<CABLE>			
	TXJ/P1VLM8	K9301-A15 CABLE	1	K9301 - A15
	TXJ/P2VLM8	K9302-A17 CABLE	1	K9302 - A17
	TXJ/Q5VLM8	Q5-A25 CABLE	1	Q5 - A25
⚠	TXJ/B1VLM8	P-B1 CABLE	1	K9201 - B1
	TXJ/S1VLM8	S1-A32 CABLE	1	S1 - A32
	TXJA21VLM8	LENS MOUNT-A21 CABLE	1	
	TXJ/M3VLM8	M3-A13 CABLE	1	M3 - A13
	TXJ/M1VLM8	M1-A12 CABLE	1	M1 - A12
	TXJ/C1VLM8	S3-C1 CABLE	1	S3 - C1
	TXJ/F1VLM8	F1-A23 CABLE	1	F1 - A23
	TXJ/V1VLM8	V1-A27 CABLE	1	V1 - A27
	TXJ/M2VLM8	M2-A10 CABLE	1	M2 - A10
⚠	TXJ/K1VLM8	K1/K2-P1 CABLE	1	AC INLET - K9002
⚠	TXJ/E1VLM8	EARTH CABLE	1	
⚠	TXJ/L2VLM8	LAMP CABLE	1	
	<SCREW>			
200	4120793408	SCREW	1	
201	4111926303	SCREW	1	
202	XTB3+12GFJ	SCREW	11	
204	XTB3+8GFJ	SCREW	59	
205	XYC3+FG12FN	SCREW	13	
206	4112195203	SCREW	2	
207	3120694708	SCREW	10	
208	4111898303	SCREW	4	
209	4120813502	SCREW	2	
210	4120796409	SCREW	3	
211	THEC198N	SCREW	10	
212	THTA073J	SCREW	6	
213	XSB3+8FN	SCREW	22	
214	XTW3+8PFJ	SCREW	2	
215	XYC4+FG12FJ	SCREW	4	
216	XYN2+F8FJ	SCREW	8	
217	XYN3+F12FJ	SCREW	11	
218	XYN3+F30FJ	SCREW	2	
219	XYN3+F8FJ	SCREW	16	
220	XYN4+E8FJ	SCREW	1	
	< Packing Parts >			
300	TPCD15601	PACKING CASE	1	
301	TPDA2698	BUFFER PAD FRONT	1	
302	TPDA2699	BUFFER PAD BACK	1	
303	TPEH773	SET COVER	1	
⚠ 304	TQFV254	PC LABEL	2	EZ770Z*
⚠ 304	TQFV309	PC LABEL	2	EZ770T
⚠ 304	TQFV257	PC LABEL	2	EZ770ZL*
⚠ 304	TQFV310	PC LABEL	2	EZ770TL
⚠ 304	TQFV260	PC LABEL	2	EW730Z*

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ 304	TQFV311	PC LABEL	2	EW730T
⚠ 304	TQFV263	PC LABEL	2	EW730ZL*
⚠ 304	TQFV312	PC LABEL	2	EW730TL
⚠ 304	TQFV266	PC LABEL	2	EX800Z*
⚠ 304	TQFV313	PC LABEL	2	EX800T
⚠ 304	TQFV269	PC LABEL	2	EX800ZL*
⚠ 304	TQFV314	PC LABEL	2	EX800TL
305	6103626291	CAP LNS-KA8AL	1	Only models with lens
306	N2QAYA000063	REMOTE CONTROLLER	1	
307	TPDF2818	ACCESSORIES PACKING CASE	1	
⚠ 308	TQBJ0635	INSTRUCTION BOOK	1	
⚠ 308	TQBJ0666-2	INSTRUCTION BOOK	1	T
⚠ 308	TQBJ0666-1	INSTRUCTION BOOK	1	TL
⚠ 309	TXFQB02VLM8	CD ROM ASSY	1	
310	TPGA6890	DOUBLE PACKING CASE	1	only U / LU,EJ / LEJ model
311	TQFV273	DOUBLE PC LABEL	2	EZ770ZU
311	TQFV274	DOUBLE PC LABEL	2	EZ770ZLU
311	TQFV348	DOUBLE PC LABEL	2	EZ770ZEJ
311	TQFV349	DOUBLE PC LABEL	2	EZ770ZLEJ
311	TQFV275	DOUBLE PC LABEL	2	EW730ZU
311	TQFV276	DOUBLE PC LABEL	2	EW730ZLU
311	TQFV350	DOUBLE PC LABEL	2	EW730ZEJ
311	TQFV351	DOUBLE PC LABEL	2	EW730ZLEJ
311	TQFV277	DOUBLE PC LABEL	2	EX800ZU
311	TQFV278	DOUBLE PC LABEL	2	EX800ZLU
311	TQFV352	DOUBLE PC LABEL	2	EX800ZEJ
311	TQFV353	DOUBLE PC LABEL	2	EX800ZLEJ
⚠ 312	TXFSX01RWDZ	AC CORD ASSY	1	U / LU
⚠ 312-1	TMMX283-1	AC CORD LOCK	1	U / LU
⚠ 312	TXFMX011WET	AC CORD ASSY	1	T / TL
⚠ 312-1	TMX5ZX0011	AC CORD LOCK	1	T / TL
⚠ 313	TXFSX01RXQZ	AC CORD ASSY E	1	E / EJ / K, LE /LEJ / LK
⚠ 313-1	TMMX283-1	AC CORD LOCK	1	
⚠ 314	TXFSX01RXRZ	AC CORD ASSY EK	1	E / LE
⚠ 314-1	TMMX283-1	AC CORD LOCK	1	
⚠ 315	TXFSX02UVCZ	AC CORD ASSY IND	1	D
⚠ 315-1	TMMX169-1	AC CORD LOCK	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
⚠ ■ A	TXN/99VLM8	CIRCUIT BOARD (A)	1	EZ770 series
⚠ ■ A	TXN/99VLN1	CIRCUIT BOARD (A)	1	EW730 series
⚠ ■ A	TXN/99VLN3	CIRCUIT BOARD (A)	1	EX800 series
⚠ ■ J	TNPA5890	CIRCUIT BOARD (J)	1	(RTL)
⚠ ■ S	TNPA5896	CIRCUIT BOARD (S)	1	(RTL)
⚠ ■ V	TNPA5897	CIRCUIT BOARD (V)	1	(RTL)
⚠ ■ C	TNPA5889	CIRCUIT BOARD (C)	1	(RTL)
⚠ ■ F	TNPA5891	CIRCUIT BOARD (F)	1	(RTL)
⚠ ■ M3	TNPA5895	CIRCUIT BOARD (M3)	1	(RTL)
⚠ ■ M1	TNPA5893	CIRCUIT BOARD (M1)	1	(RTL)
⚠ ■ M2	TNPA5894	CIRCUIT BOARD (M2)	1	(RTL)
⚠ ■ BQ	TXN/B1VLM8	BALLAST UNIT	1	
⚠ ■ P	TNPA5912	POWER UNIT ASSY	1	
⚠ ■ K	TNPA5913	CIRCUIT BOARD (K)	1	(RTL)
■ A	TXN/99VLM8	CIRCUIT BOARD (A)		EZ770 series
A1	K1KA03BA0050	3P CONNECTOR	1	
A2,A3	K1KA04A00667	CONNECTOR	2	
A4,A5	K1KA05A00466	CONNECTOR	2	
A6	K1KA04A00667	CONNECTOR	1	
A8	K1KA04B00273	CONNECTOR	1	
A9	K1KA04A00667	CONNECTOR	1	
A10	K1KA02B00294	CONNECTOR	1	
A12	K1KA02A00787	CONNECTOR	1	
A13	K1KA03A00632	CONNECTOR	1	
A15	K1KY15B00006	15P CONNECTOR	1	
A17	K1KA06BA0107	CONNECTOR	1	
A19	K1KA05AA0104	CONNECTOR(MALE)	1	
A20	K1KA04BA0050	4P CONNECTOR	1	
A21	K1KA13AA0105	PLUG PWB 13P	1	
A22	K1KA07BA0047	CONNECTOR (MALE)	1	
A23	K1KA03A00632	CONNECTOR	1	
A25	K1KA05B00219	CONNECTOR	1	
A26	K1KA02A00787	CONNECTOR	1	
A27	K1KA13A00152	CONNECTOR	1	
A28	K1MN32AA0041	CONNECTOR	1	
A30,31	K1MY92BA0482	CONNECTOR	2	
A32	K1KA20AA0009	CONNECTOR	1	
A33	K1MY92BA0482	CONNECTOR	1	
A34	K1KA06A00454	CONNECTOR	1	
A35	K1KA03AA0263	CONNECTOR	1	
A36	K1KA05B00219	CONNECTOR	1	
A37	K1KA04AA0104	CONNECTOR	1	
A38	K1KA20AA0184	CONNECTOR (MALE)	1	
A39	K1KA07A00292	CONNECTOR	1	
A40	K1KA03AA0263	CONNECTOR	1	
A41	K1KA06A00454	CONNECTOR	1	
A42	K1KA08AA0104	CONNECTOR	1	
A43	K1KA04A00667	CONNECTOR	1	
B1001	BCR20V4E	BATTERY HOLDER	1	
C1001-03	F1J1A106A043	C.CAPACITOR CH 10V 10U	3	
C1010-12	F1G1H5R0A692	CAPACITOR	3	
C1013-18	F1G1H100A541	CAPACITOR	6	
C1019,20	F1G1H5R0A692	CAPACITOR	2	
C1021-23	F1J1A106A043	C.CAPACITOR CH 10V 10U	3	
C1024	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1025	F1G1H5R0A692	CAPACITOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1026	F1J1C106A059	C.CAPACITOR CH 16V 10U	1	
C1027-29	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1033	F1J1C106A059	C.CAPACITOR CH 16V 10U	1	
C1037-39	F1J1A106A043	C.CAPACITOR CH 10V 10U	3	
C1046-48	F1J1A106A043	C.CAPACITOR CH 10V 10U	3	
C1049-51	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1055	F1J1C106A059	C.CAPACITOR CH 16V 10U	1	
C1059	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1060	F1J1C106A059	C.CAPACITOR CH 16V 10U	1	
C1061	EEEHP1E220P	CAPACITOR	1	
C1062	F1J1C106A059	C.CAPACITOR CH 16V 10U	1	
C1063,64	F1H1H3R0B122	CAPACITOR	2	
C1065	EEEHP1E220P	CAPACITOR	1	
C1066,67	F1H1H3R0B122	CAPACITOR	2	
C1068,69	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	2	
C1070	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	1	
C1071	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1072	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	1	
C1073	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1074	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	1	
C1075	F1J1C106A059	C.CAPACITOR CH 16V 10U	1	
C1078	F1J1C106A059	C.CAPACITOR CH 16V 10U	1	
C1079,80	F1H1H1010005	C.CAPACITOR CH 50V 100P	2	
C1081	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1082	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1083-88	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	6	
C1089	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1092-94	F1J1A106A043	C.CAPACITOR CH 10V 10U	3	
C1096,97	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1098	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1100	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1102	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1103	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1105	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1106	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1107	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1108	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1109	F1H1A225A051	C.CAPACITOR CH 10V 2.2U	1	
C1110-12	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1113	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1114-16	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1117	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1118-22	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	5	
C1123-26	F1J1A106A043	C.CAPACITOR CH 10V 10U	4	
C1127,28	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1129,30	F1J1A106A043	C.CAPACITOR CH 10V 10U	2	
C1131	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1132	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1133,34	F1G1H120A789	CAPACITOR	2	
C1137,38	F1J1A106A043	C.CAPACITOR CH 10V 10U	2	
C1139-47	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	9	
C1149-57	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	9	
C1158	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1159	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1160	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1161	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1162	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1163	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1164	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1165-75	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	11	
C1180,81	F1H1H472A219	C.CAPACITOR CH 50V 4700P	2	
C1182,83	F1J1A106A043	C.CAPACITOR CH 10V 10U	2	
C1184-89	F1H1A2250001	CAPACITOR	6	
C1190	F1L0J107A017	C.CAPACITOR CH 6.3V 100U	1	
C1191,92	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1193	F2G1C221A299	CAPACITOR	1	
C1194	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1195	F2G1C221A299	CAPACITOR	1	
C1196	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1197	F2G1C221A299	CAPACITOR	1	
C1198-00	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1201	F1L0J107A017	C.CAPACITOR CH 6.3V 100U	1	
C1202,03	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1207-09	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1210	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1211-22	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	12	
C1223-26	F1J1A106A043	C.CAPACITOR CH 10V 10U	4	
C1227	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1228	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1229	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1231-33	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1234	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1235,36	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1237	F1G1H120A789	CAPACITOR	1	
C1238,39	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1240	F1G1H120A789	CAPACITOR	1	
C1242	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1243	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1244-46	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1247,48	F1J1A106A043	C.CAPACITOR CH 10V 10U	2	
C1249	F2G0J3300014	E.CAPACITOR CH 6.3V 33U	1	
C1251,52	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1254	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1256	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1257-59	F1J1A106A043	C.CAPACITOR CH 10V 10U	3	
C1260	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1261	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1262	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1263	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1264	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1265	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1266	F1H1A4750004	CAPACITOR	1	
C1267	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1268	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1269,70	F1L3D1020008	C.CAPACITOR CH 2KV 1000P	2	
C1271	F1J2E1030004	CAPACITOR	1	
C1272	F1L3D1020008	C.CAPACITOR CH 2KV 1000P	1	
C1273-75	F1J2E1030004	CAPACITOR	3	
C1276-78	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1279	F1L0J107A017	C.CAPACITOR CH 6.3V 100U	1	
C1280	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1281-89	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	9	
C1290	F1L0J107A017	C.CAPACITOR CH 6.3V 100U	1	
C1291,92	F1G1E1030005	CAPACITOR	2	
C1293,94	F1H1C105A118	CAPACITOR	2	
C1295	F1G1H222A571	C.CAPACITOR CH 50V 2200P	1	
C1296	F1G1E1030005	CAPACITOR	1	
C1297	F1G1H222A571	C.CAPACITOR CH 50V 2200P	1	
C1298	F1H1C105A118	CAPACITOR	1	
C1299	F1G1E1030005	CAPACITOR	1	
C1300,01	F1G1H560A541	CAPACITOR	2	
C1302,03	F1G1H220A541	CAPACITOR	2	
C1304	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1306,07	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	2	
C1309	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	1	
C1311,12	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1313	F1L1C476A049	CAPACITOR	1	
C1314,15	F1G1H4710004	C.CAPACITOR CH 50V 470P	2	
C1316,17	F1G1H220A541	CAPACITOR	2	
C1318	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	1	
C1320	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1321	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1324-26	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	3	
C1327	F1L0J107A017	C.CAPACITOR CH 6.3V 100U	1	
C1328,29	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1330	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	1	
C1331,32	F1G1H4710004	C.CAPACITOR CH 50V 470P	2	
C1333	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	1	
C1334	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1336,37	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1338-40	F1L0J107A017	C.CAPACITOR CH 6.3V 100U	3	
C1341-76	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	36	
C1377	F1L0J107A017	C.CAPACITOR CH 6.3V 100U	1	
C1378-14	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	37	
C1416-18	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1419	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1421	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1423,24	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1426	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1429	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1430	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1432	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1433	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1437	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1438-40	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	3	
C1442	F1G1A105A047	CERAMIC 1U K 10V	1	
C1443	F1H1E105A100	CAPACITOR	1	
C1444	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1445	F1H1A225A051	C.CAPACITOR CH 10V 2.2U	1	
C1446	F1H1E105A100	CAPACITOR	1	
C1447	F1H1E105A126	CAPACITOR	1	
C1448	F1H1E105A100	CAPACITOR	1	
C1449	F1H1A2250001	CAPACITOR	1	
C1450	F1H1E105A100	CAPACITOR	1	
C1451	F1J1C106A059	C.CAPACITOR CH 16V 10U	1	
C1452	F1H1E105A126	CAPACITOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1453,54	F1H1E474A100	CAPACITOR	2	
C1455,56	F2G1E101A185	ELECT 100U M 25V	2	
C1457	F1H1E105A126	CAPACITOR	1	
C1458	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1459,60	F1G1E104A087	CAPACITOR	2	
C1461,62	F1H1E105A100	CAPACITOR	2	
C1465	F1H1C105A118	CAPACITOR	1	
C1466	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1467	F1H1C105A118	CAPACITOR	1	
C1468	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1469,70	F1H1H8R0A980	CAPACITOR	2	
C1471,72	F1H1C105A118	CAPACITOR	2	
C1473	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1474	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1475	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1476	F1H1H1010005	C.CAPACITOR CH 50V 100P	1	
C1477,78	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1479	F1K1C106A116	CAPACITOR	1	
C1480-83	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	4	
C1484,85	F2G0G2210009	E.CAPACITOR CH 4V 220U	2	
C1486	F1J1A106A024	CAPACITOR	1	
C1487,88	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1491-94	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	4	
C1495	F1H1A225A051	C.CAPACITOR CH 10V 2.2U	1	
C1496	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1500	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1501-04	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	4	
C1505	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1506,07	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1508	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1509	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	1	
C1510	F1G1H220A541	CAPACITOR	1	
C1511	F1G1H560A541	CAPACITOR	1	
C1512	F1H1A225A051	C.CAPACITOR CH 10V 2.2U	1	
C1513	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1514	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1515,16	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1517,18	F1G1H101A541	CERAMIC CAPACITOR	2	
C1519	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1520-25	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	6	
C1526	F1H1H1010005	C.CAPACITOR CH 50V 100P	1	
C1528-30	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1531	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1532	F1H1H153A219	C.CAPACITOR CH 50V 0.015U	1	
C1533	F1H1H151A792	C.CAPACITOR CH 50V 150P	1	
C1534	F1G1H220A541	CAPACITOR	1	
C1536	F1G1H820A659	CAPACITOR	1	
C1537	F1G1H100A541	CAPACITOR	1	
C1539	F1G1H100A541	CAPACITOR	1	
C1540	F1G1H150A541	CERAMIC CAPACITOR	1	
C1546	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1547	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1548-50	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1551	F1G1C103A082	CAPACITOR	1	
C1552	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1553	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	1	
C1554-60	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	7	
C1564-69	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	6	
C1573	F1G1E1030005	CAPACITOR	1	
C1574	F1H1C105A118	CAPACITOR	1	
C1575	F1G1H222A571	C.CAPACITOR CH 50V 2200P	1	
C1576-83	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	8	
C1584	F1L0J107A017	C.CAPACITOR CH 6.3V 100U	1	
C1585	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1586	F2G0G2210009	E.CAPACITOR CH 4V 220U	1	
C1587	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1589	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1590	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1591	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1593-01	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	9	
C1602,03	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	2	
C1604	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1605,06	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	2	
C1607	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1608	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1609	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1610	F1G1E1030005	CAPACITOR	1	
C1611	F2G0G1010017	ELECTROLYTIC CAPACITOR,AL	1	
C1613	F1H1C105A118	CAPACITOR	1	
C1614	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1615	F1G1H222A571	C.CAPACITOR CH 50V 2200P	1	
C1616	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1618	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1619	F1G1H220A541	CAPACITOR	1	
C1620,21	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	2	
C1622	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1623	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	1	
C1624,25	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1626	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	1	
C1627-29	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1630	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1631	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1632-43	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	12	
C1644	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1645-56	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	12	
C1657	F1G1E1030005	CAPACITOR	1	
C1658	F1H1C105A118	CAPACITOR	1	
C1659	F1G1H222A571	C.CAPACITOR CH 50V 2200P	1	
C1661	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1663,64	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	2	
C1665	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1666,67	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	2	
C1668	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1669	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1671	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1672	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1673	F2G0G2210009	E.CAPACITOR CH 4V 220U	1	
C1674,75	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1676	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1677	F1G1H471A541	CAPACITOR	1	
C1678-81	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	4	
C1682	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1683,84	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1685	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1686,87	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1688	F2G0G2210009	E.CAPACITOR CH 4V 220U	1	
C1689	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1690-01	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	12	
C1702	F1H1A225A051	C.CAPACITOR CH 10V 2.2U	1	
C1703	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1704	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1705-08	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	4	
C1709	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1710-12	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1713	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	1	
C1714	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1715-26	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	12	
C1728-30	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1733-42	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	10	
C1743,44	F1J1C106A059	C.CAPACITOR CH 16V 10U	2	
C1745-48	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	4	
C1749	F1H1H151A792	C.CAPACITOR CH 50V 150P	1	
C1750-55	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	6	
C1756	F2G1E3300010	E.CAPACITOR CH 25V 33U	1	
C1757-60	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	4	
C1761	F2G0J3300014	E.CAPACITOR CH 6.3V 33U	1	
C1762	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1763,64	F1J1C475A170	CERAMIC CAPACITOR,MULTI LATER	2	
C1765	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1770	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1772	F2G0J1010013	E.CAPACITOR CH 6.3V 100U	1	
C1773	F1K1C106A116	CAPACITOR	1	
C1775	F1K1C106A116	CAPACITOR	1	
C1776	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	1	
C1777	F1K1C106A116	CAPACITOR	1	
C1778	F1G1E1030005	CAPACITOR	1	
C1779	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1780	F1H1C105A118	CAPACITOR	1	
C1781	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1782	F1G1E1030005	CAPACITOR	1	
C1783	F1K1C106A116	CAPACITOR	1	
C1784	F1J0J106A020	CERAMIC CAPACITOR,MULTI LAYER	1	
C1785	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1786	F1L1C476A049	CAPACITOR	1	
C1787	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1788	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1789	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	1	
C1791	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1792	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1793	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1794	F1G1H220A541	CAPACITOR	1	
C1795	F1G1H102A808	CAPACITOR	1	
C1796,97	F1G1H4710004	C.CAPACITOR CH 50V 470P	2	
C1798	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1799,00	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	2	
C1801	F1H1E105A126	CAPACITOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1803	F2G1E3300010	E.CAPACITOR CH 25V 33U	1	
C1804	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1805	F1K1C106A116	CAPACITOR	1	
C1806	F1K1E1060004	CAPACITOR	1	
C1807	F1H1E105A126	CAPACITOR	1	
C1808	F2G1E3300010	E.CAPACITOR CH 25V 33U	1	
C1809	F1H1C105A118	CAPACITOR	1	
C1810	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1811	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1812-15	F1G1H100A541	CAPACITOR	4	
C1816-33	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	18	
C1834	F1H1E104A029	C.CAPACITOR CH 25V 0.1U	1	
C1835	F2G1E3300010	E.CAPACITOR CH 25V 33U	1	
C1836-39	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	4	
C1840	F1H1E104A029	C.CAPACITOR CH 25V 0.1U	1	
C1841	F1G1H220A541	CAPACITOR	1	
C1842	F1H1E104A029	C.CAPACITOR CH 25V 0.1U	1	
C1843	F1J0J106A020	CERAMIC CAPACITOR,MULTI LAYER	1	
C1844	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1845	F1J0J106A020	CERAMIC CAPACITOR,MULTI LAYER	1	
C1846	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1847	F1G1H100A541	CAPACITOR	1	
C1848	F2G1E3300010	E.CAPACITOR CH 25V 33U	1	
C1849	F1H1E104A029	C.CAPACITOR CH 25V 0.1U	1	
C1850	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1851	F1H1E105A126	CAPACITOR	1	
C1852	F1G1H471A541	CAPACITOR	1	
C1853	F1H1E105A126	CAPACITOR	1	
C1854	F1G1H471A541	CAPACITOR	1	
C1855	F1J1C475A170	CERAMIC CAPACITOR,MULTI LATER	1	
C1856	F1K1E1060004	CAPACITOR	1	
C1857	F1J0J106A020	CERAMIC CAPACITOR,MULTI LAYER	1	
C1858-63	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	6	
C1864	F1G1E104A087	CAPACITOR	1	
C1865,66	F1H1H8R0A980	CAPACITOR	2	
C1867	F1H1H1010005	C.CAPACITOR CH 50V 100P	1	
C1868	F1H1H100A831	CAPACITOR	1	
C1869,70	F1G1H1020008	C.CAPACITOR CH 50V 1000P	2	
C1871	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1872	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1873-75	F1H1A4750004	CERAMIC CAPACITOR,MULTI LATER	3	
C1876-79	F1G1C104A048	CAPACITOR	4	
C1880	F1H1A4750004	CERAMIC CAPACITOR,MULTI LATER	1	
C1881-84	F1G1C104A048	CAPACITOR	4	
C1885	F1H1A4750004	CERAMIC CAPACITOR,MULTI LATER	1	
C1886-89	F1G1H1020008	C.CAPACITOR CH 50V 1000P	4	
C1890	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1891	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1892	F1G1C104A048	CAPACITOR	1	
C1893	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1894	F1G1C104A048	CAPACITOR	1	
C1895	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1896	F1G1C104A048	CAPACITOR	1	
C1897	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1898	F1G1C104A048	CAPACITOR	1	
C1899	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1900	F1G1C104A048	CAPACITOR	1	
C1901	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1902	F1G1C104A048	CAPACITOR	1	
C1903	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1904	F1G1C104A048	CAPACITOR	1	
C1905	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1906	F1G1C104A048	CAPACITOR	1	
C1907	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1908	F1G1C104A048	CAPACITOR	1	
C1909	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1910	F1G1C104A048	CAPACITOR	1	
C1911	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1912	F1G1C104A048	CAPACITOR	1	
C1913	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1914	F1H1A4750004	CERAMIC CAPACITOR,MULTI LATER	1	
C1915	F1G1C104A048	CAPACITOR	1	
C1916	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1917	F1H1A4750004	CERAMIC CAPACITOR,MULTI LATER	1	
C1918	F1G1C104A048	CAPACITOR	1	
C1919	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1920,21	F1G1C104A048	CAPACITOR	2	
C1922	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1923,24	F1G1C104A048	CAPACITOR	2	
C1925	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1926	F1G1C104A048	CAPACITOR	1	
C1927	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	1	
C1928	F1G1C104A048	CAPACITOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1929	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1930,31	F1G1C104A048	CAPACITOR	2	
C1932	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1933	F1H1C105A118	CAPACITOR	1	
C1934	F1H1A4750004	CERAMIC CAPACITOR,MULTI LATER	1	
C1935,36	F1G1C104A048	CAPACITOR	2	
C1937	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1938	F1G1H222A571	C.CAPACITOR CH 50V 2200P	1	
C1939	F1H1A4750004	CERAMIC CAPACITOR,MULTI LATER	1	
C1940,41	F1G1C104A048	CAPACITOR	2	
C1942	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1943	F1G1C104A048	CAPACITOR	1	
C1944	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1945	F1G1C104A048	CAPACITOR	1	
C1946	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1947	F1G1C104A048	CAPACITOR	1	
C1948	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1949	F1G1C104A048	CAPACITOR	1	
C1950	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1951	F1G1C104A048	CAPACITOR	1	
C1952	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1953	F1G1C104A048	CAPACITOR	1	
C1954	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1955	F1G1C104A048	CAPACITOR	1	
C1956	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1957	F1G1C104A048	CAPACITOR	1	
C1958	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1959	F1G1C104A048	CAPACITOR	1	
C1960	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1961	F1G1C104A048	CAPACITOR	1	
C1962	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1963	F1G1C104A048	CAPACITOR	1	
C1964	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1965	F1G1C104A048	CAPACITOR	1	
C1966-68	F1G1H1020008	C.CAPACITOR CH 50V 1000P	3	
C1970	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1971	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1972	F1G1C104A048	CAPACITOR	1	
C1973	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1974	F1G1H220A541	CAPACITOR	1	
C1975	F1G1C104A048	CAPACITOR	1	
C1976	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1977	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	1	
C1978,79	F1G1H1020008	C.CAPACITOR CH 50V 1000P	2	
C1980	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	1	
C1981	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1982,83	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	2	
C1984	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1985	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1986-89	F1H1A4750004	CERAMIC CAPACITOR,MULTI LATER	4	
C1990	F1G1H270A541	CERAMIC CAPACITOR	1	
C1991	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1992	F1G1C104A048	CAPACITOR	1	
C1993	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1994	F1G1C104A048	CAPACITOR	1	
C1995	F1G1H270A541	CERAMIC CAPACITOR	1	
C1996	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1997	F1G1C104A048	CAPACITOR	1	
C1998	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1999,00	F1G1C104A048	CAPACITOR	2	
C2001	F1G1H270A541	CERAMIC CAPACITOR	1	
C2002	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2003	F1G1C104A048	CAPACITOR	1	
C2004	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2005,06	F1G1C104A048	CAPACITOR	2	
C2007	F1G1H270A541	CERAMIC CAPACITOR	1	
C2008	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2009	F1G1C104A048	CAPACITOR	1	
C2010	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2011	F1G1C104A048	CAPACITOR	1	
C2012	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2013	F1G1H270A541	CERAMIC CAPACITOR	1	
C2014	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2015	F1G1C104A048	CAPACITOR	1	
C2016	F1G1H270A541	CERAMIC CAPACITOR	1	
C2017	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2018	F1G1C104A048	CAPACITOR	1	
C2019	F1G1E1030005	CAPACITOR	1	
C2020	F1G1H270A541	CERAMIC CAPACITOR	1	
C2021	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2022	F1G1C104A048	CAPACITOR	1	
C2023	F1G1H270A541	CERAMIC CAPACITOR	1	
C2024	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2025	F1G1C104A048	CAPACITOR	1	
C2026	F1H1C105A118	CAPACITOR	1	
C2027	F1G1H270A541	CERAMIC CAPACITOR	1	
C2028	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2029	F1G1C104A048	CAPACITOR	1	
C2030	F1G1E1030005	CAPACITOR	1	
C2031	F1G1H270A541	CERAMIC CAPACITOR	1	
C2032	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2033	F1G1C104A048	CAPACITOR	1	
C2034	F1G1H270A541	CERAMIC CAPACITOR	1	
C2035	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2036	F1G1C104A048	CAPACITOR	1	
C2037	F1L1C476A049	CAPACITOR	1	
C2038	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	1	
C2040	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C2041	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C2043-46	F1H1A4750004	CERAMIC CAPACITOR,MULTI LATER	4	
C2047	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2048	F1G1C104A048	CAPACITOR	1	
C2049	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C2050	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2051	F1G1C104A048	CAPACITOR	1	
C2052	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2053	F1G1C104A048	CAPACITOR	1	
C2054	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	1	
C2055	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2056	F1G1C104A048	CAPACITOR	1	
C2057	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2058	F1G1C104A048	CAPACITOR	1	
C2059	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	1	
C2060	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2061	F1G1C104A048	CAPACITOR	1	
C2062	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2063	F1G1C104A048	CAPACITOR	1	
C2064	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2065	F1G1C104A048	CAPACITOR	1	
C2066	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2067	F1G1C104A048	CAPACITOR	1	
C2068	F1L0J107A017	C.CAPACITOR CH 6.3V 100U	1	
C2069,70	F1H1A4750004	CERAMIC CAPACITOR,MULTI LATER	2	
C2071	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2072	F1G1C104A048	CAPACITOR	1	
C2073	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2074	F1G1C104A048	CAPACITOR	1	
C2075	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2076	F1G1C104A048	CAPACITOR	1	
C2077	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2078-81	F1G1C104A048	CAPACITOR	4	
C2082-84	F1J0J106A013	CAPACITOR	3	
C2085-87	F1G1C104A048	CAPACITOR	3	
C2088-90	F1J0J106A013	CAPACITOR	3	
C2091	F1G1C104A048	CAPACITOR	1	
C2092	F1H1C105A118	CAPACITOR	1	
C2093	F1G1C104A048	CAPACITOR	1	
C2094	F1H1C105A118	CAPACITOR	1	
C2095	F1G1C104A048	CAPACITOR	1	
C2096	F1H1C105A118	CAPACITOR	1	
C2097	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	1	
C2098-00	F1G1C104A048	CAPACITOR	3	
C2101	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	1	
C2102-04	F1G1C104A048	CAPACITOR	3	
C2105	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	1	
C2106-08	F1G1C104A048	CAPACITOR	3	
C2109-11	F1H1C105A118	CAPACITOR	3	
C2112	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	1	
C2113	F1G1C104A048	CAPACITOR	1	
C2114	F1H1H223A219	CAPACITOR	1	
C2115	F1G1C104A048	CAPACITOR	1	
C2116	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	1	
C2117	F1G1C104A048	CAPACITOR	1	
C2118	F1H1H223A219	CAPACITOR	1	
C2119	F1G1C104A048	CAPACITOR	1	
C2120	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	1	
C2121	F1G1C104A048	CAPACITOR	1	
C2122	F1H1H223A219	CAPACITOR	1	
C2123	F1G1C104A048	CAPACITOR	1	
C2124-28	F1G1H1020008	C.CAPACITOR CH 50V 1000P	5	
C2129,30	F1H1H223A219	CAPACITOR	2	
C2131,32	F1G1H1020008	C.CAPACITOR CH 50V 1000P	2	
C2133,34	F1H1H223A219	CAPACITOR	2	
C2135,36	F1G1H1020008	C.CAPACITOR CH 50V 1000P	2	
C2137,38	F1H1H223A219	CAPACITOR	2	
C2139-41	F1G1H4700003	CAPACITOR	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2142	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2143,44	F1H1H223A219	CAPACITOR	2	
C2145	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2146,47	F1H1H223A219	CAPACITOR	2	
C2148	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2149,50	F1H1H223A219	CAPACITOR	2	
C2151-53	F1G1H4700003	CAPACITOR	3	
C2154-56	F1J1C106A059	C.CAPACITOR CH 16V 10U	3	
C2157-59	F1G1C104A048	CAPACITOR	3	
C2160	F1H1H223A219	CAPACITOR	1	
C2161	F1G1C104A048	CAPACITOR	1	
C2162	F1H1H223A219	CAPACITOR	1	
C2163-65	F1G1C104A048	CAPACITOR	3	
C2166	F1H1H223A219	CAPACITOR	1	
C2167	F1G1C104A048	CAPACITOR	1	
C2168	F1H1H223A219	CAPACITOR	1	
C2169-71	F1G1C104A048	CAPACITOR	3	
C2172	F1H1H223A219	CAPACITOR	1	
C2173	F1G1C104A048	CAPACITOR	1	
C2174	F1H1H223A219	CAPACITOR	1	
C2175-77	F1J1C106A059	C.CAPACITOR CH 16V 10U	3	
C2178	F1G1C104A048	CAPACITOR	1	
C2179,80	F1H1H223A219	CAPACITOR	2	
C2181	F1G1C104A048	CAPACITOR	1	
C2182	F1H1H223A219	CAPACITOR	1	
C2183	F1G1C104A048	CAPACITOR	1	
C2184	F1H1H223A219	CAPACITOR	1	
C2185	F1G1C104A048	CAPACITOR	1	
C2186,87	F1H1H223A219	CAPACITOR	2	
C2188	F1G1C104A048	CAPACITOR	1	
C2189	F1H1H223A219	CAPACITOR	1	
C2190	F1G1C104A048	CAPACITOR	1	
C2191	F1H1H223A219	CAPACITOR	1	
C2192	F1G1C104A048	CAPACITOR	1	
C2193,94	F1H1H223A219	CAPACITOR	2	
C2195	F1G1C104A048	CAPACITOR	1	
C2196	F1H1H223A219	CAPACITOR	1	
C2197	F1G1C104A048	CAPACITOR	1	
C2198	F1H1H223A219	CAPACITOR	1	
C2199-01	F1G1C104A048	CAPACITOR	3	
C2202-10	F1H1C105A118	CAPACITOR	9	
C2211-13	F1G1C104A048	CAPACITOR	3	
C2214	F1H1H223A219	CAPACITOR	1	
C2215-17	F1G1C104A048	CAPACITOR	3	
C2218	F1H1H223A219	CAPACITOR	1	
C2219-21	F1G1C104A048	CAPACITOR	3	
C2222	F1H1H223A219	CAPACITOR	1	
C2223-25	F1H1C105A118	CAPACITOR	3	
C2226,27	F1H1H223A219	CAPACITOR	2	
C2228	F1G1C104A048	CAPACITOR	1	
C2229-31	F1H1H223A219	CAPACITOR	3	
C2232	F1G1C104A048	CAPACITOR	1	
C2233-35	F1H1H223A219	CAPACITOR	3	
C2236	F1G1C104A048	CAPACITOR	1	
C2237	F1H1H223A219	CAPACITOR	1	
C2238-43	F1G1C104A048	CAPACITOR	6	
C2244-49	F1L1C2260011	CAPACITOR	6	
C2250-53	F1H1H153A219	C.CAPACITOR CH 50V 0.015U	4	
C2254	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2255	F1H1C105A097	CAPACITOR	1	
C2256-59	F1H1H153A219	C.CAPACITOR CH 50V 0.015U	4	
C2260	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2261	F1H1C105A097	CAPACITOR	1	
C2262-65	F1H1H153A219	C.CAPACITOR CH 50V 0.015U	4	
C2266	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2267	F1H1C105A097	CAPACITOR	1	
C2268-73	F1G1C103A082	CAPACITOR	6	
C2274-76	F1G1E104A087	CAPACITOR	3	
C2277-79	F1K1E1060004	CAPACITOR	3	
C2280-82	F1G1E104A087	CAPACITOR	3	
C2283	F1K1E1060004	CAPACITOR	1	
C2284	F1G1E104A087	CAPACITOR	1	
C2285,86	F1K1E1060004	CAPACITOR	2	
C2287,88	F1G1E104A087	CAPACITOR	2	
C2289-91	F1K1E1060004	CAPACITOR	3	
C2292	F1G1E104A087	CAPACITOR	1	
C2293	F1H1E474A100	CAPACITOR	1	
C2294,95	F1G1E104A087	CAPACITOR	2	
C2296,97	F1H1E474A100	CAPACITOR	2	
C2298-00	F1J1A106A043	C.CAPACITOR CH 10V 10U	3	
C2301-03	F1G1E104A087	CAPACITOR	3	
C2304,05	F1G1C104A048	CAPACITOR	2	
C2306-08	F1H1E474A100	CAPACITOR	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2309	F1G1C104A048	CAPACITOR	1	
C2310-12	F1J1C106A059	C.CAPACITOR CH 16V 10U	3	
C2313-18	F1G1C104A048	CAPACITOR	6	
C2319-21	F1G1E104A087	CAPACITOR	3	
C2322-24	F1H1E474A100	CAPACITOR	3	
C2325-27	F1G1E104A087	CAPACITOR	3	
C2328-30	F1H1E474A100	CAPACITOR	3	
C2332	F1H1H103A219	C.CAPACITOR CH 50V 0.01U	1	
C2333	F1H1E104A029	C.CAPACITOR CH 25V 0.1U	1	
C2334	F1H1H103A219	C.CAPACITOR CH 50V 0.01U	1	
C2335,36	F1J1E475A182	CERAMIC CAPACITOR,MULTI	2	
C2337,38	F1G1H4710004	C.CAPACITOR CH 50V 470P	2	
C2339,40	F1K1E1060004	CAPACITOR	2	
C2341-43	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C2344-46	F1K1E1060004	CAPACITOR	3	
C2347	F1H1E105A126	CAPACITOR	1	
C2348	F1G1H471A541	CAPACITOR	1	
C2349	F1K1E1060004	CAPACITOR	1	
C2350	F1G1H471A541	CAPACITOR	1	
C2351	F1H1E105A126	CAPACITOR	1	
C2352	F1K1E1060004	CAPACITOR	1	
C2353,54	F1G1H471A541	CAPACITOR	2	
C2355-60	F1K1E1060004	CAPACITOR	6	
C2361-63	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C2364	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C2365	F1G1H471A541	CAPACITOR	1	
C2366	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C2367	F1J1C475A170	CERAMIC CAPACITOR,MULTI LATER	1	
C2368	F1G1H471A541	CAPACITOR	1	
C2369,70	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	2	
C2371	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	1	
C2376	F1G1E1030005	CAPACITOR	1	
C2378	F1J1C475A170	CERAMIC CAPACITOR,MULTI LATER	1	
C2379-83	F1G1H471A541	CAPACITOR	5	
C2384	F1G1E1030005	CAPACITOR	1	
C2385	F1G1C104A048	CAPACITOR	1	
C2386,87	F1G1H100A541	CAPACITOR	2	
C2388-02	F1G1H471A541	CAPACITOR	15	
C2403-06	F1G1H100A541	CAPACITOR	4	
C2407,08	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C2409,10	F1G1E1030005	CAPACITOR	2	
C2411	F1H1H223A219	CAPACITOR	1	
C2412	F1G1C104A048	CAPACITOR	1	
C2416-18	F1G1H330A541	CERAMIC CAPACITOR	3	
C2419	F1H1H223A219	CAPACITOR	1	
C2420	F1G1C104A048	CAPACITOR	1	
C2421	F1H1H223A219	CAPACITOR	1	
C2422	F1G1C104A048	CAPACITOR	1	
C2423	F1H1H223A219	CAPACITOR	1	
C2424	F1G1C104A048	CAPACITOR	1	
C2425	F1H1H223A219	CAPACITOR	1	
C2426	F1G1C104A048	CAPACITOR	1	
C2427	F1H1H223A219	CAPACITOR	1	
C2428-31	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	4	
C2432	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C2433-35	F1H1C104A041	CAPACITOR	3	
C2437	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C2438	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	1	
C2439-47	F1G1H1020008	C.CAPACITOR CH 50V 1000P	9	
C2448	F1G1E104A087	CAPACITOR	1	
C3000	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3001	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C3002	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3003	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C3005-07	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C3008	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C3009	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3010	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C3011,12	F1G1H220A541	CAPACITOR	2	
C3013,14	F1G1H100A541	CAPACITOR	2	
C3015-17	F1H1E474A100	CAPACITOR	3	
C3018-31	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	14	
C3032-36	F1J1A106A043	C.CAPACITOR CH 10V 10U	5	
C3037	F1G1H100A541	CAPACITOR	1	
C3038	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3039,40	F1H1E474A100	CAPACITOR	2	
C3041	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C3042-46	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	5	
C3047	F1G1H220A541	CAPACITOR	1	
C3048,49	F1J1A106A043	C.CAPACITOR CH 10V 10U	2	
C3050	F1H1C105A118	CAPACITOR	1	
C3051-53	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C3055	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3056	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C3058	F1H1C105A118	CAPACITOR	1	
C3059	F1L1C476A049	CAPACITOR	1	
D1001-03	D4ED1270A008	VARISTOR	3	
D1004	B0JCAE000001	DIODE	1	
D1005	B0JCGD000002	DIODE	1	
D1006-09	D4ED11200005	VARISTOR	4	
D1010	B0BC5R600003	DIODE	1	
D1011-13	D4ED1270A008	VARISTOR	3	
D1014,15	B0BC5R600003	DIODE	2	
D1016,17	B0ADCJ000015	DIODE	2	
D1018,19	B0JCAE000001	DIODE	2	
D1020,21	B0ADCJ000015	DIODE	2	
D1022,23	B0JCAE000001	DIODE	2	
D1024,25	B0BC6R100010	DIODE	2	
D1026-29	B0JCAE000001	DIODE	4	
D1030,31	B0BC6R100010	DIODE	2	
D1034-37	B0JCAE000001	DIODE	4	
D1038-47	B0ZBZ0000158	DIODE	10	
D1049,50	D4ED11200005	VARISTOR	2	
D1051-53	D4ED1270A008	VARISTOR	3	
D1054-58	B0ZBZ0000158	DIODE	5	
D1059	B0JCGD000002	DIODE	1	
D1060,61	B0ZBZ0000158	DIODE	2	
D1062	B0JCAE000001	DIODE	1	
D1063-65	B0ZBZ0000158	DIODE	3	
D1066	B0BC5R600003	DIODE	1	
D1067-78	B0ZBZ0000156	DIODE	12	
D1080	B0JCGD000002	DIODE	1	
D1081-84	B3ABB0000035	LED	4	
D1088,89	B0ADCJ000015	DIODE	2	
D1090	B0JCME000087	DIODE	1	
D1091	B3AAB0000038	DIODE	1	
D1095	B0JCPE000048	DIODE	1	
D1096,97	B0ADCJ000015	DIODE	2	
D1101-05	B0BC013A0007	DIODE	5	
D1106	DZ2J150M0L	DIODE	1	
D1107-10	D4ED11200005	VARISTOR	4	
D1111	DA2S10100L	DIODE	1	
D1112-15	B0BC5R600003	DIODE	4	
D1116	DZ2J150M0L	DIODE	1	
D2300	B0JCPD000026	DIODE	1	
D3000-10	B0ZBZ0000158	DIODE	11	
FL1001-04	J0HABC000009	EMI FILTER	4	
FL1006,07	J0HABC000009	EMI FILTER	2	
FL1008-12	F1J1E104A148	FILTER	5	
IC1001	C3EBCC000052	IC	1	
IC1002	C0JBAR000582	IC	1	
IC1003	C1AB00000647	IC	1	
IC1004	C1AB00003211	IC	1	
IC1005,06	C0JBAU000087	IC	2	
IC1007	C0DBEYY00197	IC	1	
IC1008,09	C0DBEYY00175	IC	2	
IC1010	C0DBEYY00197	IC	1	
IC1012	C1AB00002978	IC	1	
IC1013	C0DBEYY00175	IC	1	
IC1014	C3EBDC000067	IC	1	
IC1015	C0JBAS000206	IC	1	
IC1016	C1AB00002966	IC	1	
IC1017	C0DBEYY00175	IC	1	
IC1018	C0DBEYY00197	IC	1	
IC1019	TVRT447	IC	1	
IC1020	C0EBY0001267	IC	1	
IC1021,22	C0DBAYY01285	IC	2	
IC1023	C0DBAYY01283	IC	1	
IC1024	C0EBY0001267	IC	1	
IC1026	TVRT444	IC	1	
IC1028	C1AB00003736	IC	1	
IC1029	C1AB00002428	IC	1	
IC1030	TVRT445AA	IC	1	
IC1031	C0EBY0001267	IC	1	
IC1032	C0JBAA000377	IC	1	
IC1033	C0JBAU000087	IC	1	
IC1034	C0JBAB000621	IC	1	
IC1035	C0JBAU000087	IC	1	
IC1036	C0JBAB000621	IC	1	
IC1037	L2EM00000015	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC1039	C0JBAZ002332	IC	1	
IC1040	C0JBAS000206	IC	1	
IC1041	C3EBMY000006	IC	1	
IC1043	TVRT440AA	IC	1	
IC1045-47	C0DBAYY01285	IC	3	
IC1048,49	C0DBEYY00197	IC	2	
IC1050	C0ABBA000229	IC	1	
IC1051	C0DBGGD00109	IC	1	
IC1052	C0DBAYY01283	IC	1	
IC1053	C0DBGYY02198	IC	1	
IC1054	C0DBGYY02646	IC	1	
IC1055,56	C0JBAB000621	IC	2	
IC1057-59	C0GBD0000010	IC	3	
IC1060,61	C0GBG0000032	IC	2	
IC1062	C0CBCYG00004	IC	1	
IC1063	C0GBY0000127	IC	1	
IC1064	C0CBCYG00004	IC	1	
IC1065	C0DBGYY02198	IC	1	
IC1066	C0DBEYY00197	IC	1	
IC1067	C0DBAYY01285	IC	1	
IC1068	C0DBAYY01283	IC	1	
IC1069	C0JBAS000258	IC	1	
IC1070-72	C0JBAA000601	IC	3	
IC1073	C0DBAYY00699	IC	1	
IC1074	C0DBEYY00146	IC	1	
IC1075-77	C0DBEYY00197	IC	3	
IC1078	C0CBCYG00004	IC	1	
IC1079	C0CBBYY00001	IC	1	
IC1080	C1ZBZ0004310	IC	1	
IC1100	C1AB00003048	IC	1	
IC1101	C1CB00003774	IC	1	
IC1102	C1AB00003190	IC	1	
IC1103	C1ZBZ0005180	IC	1	
IC1104	C1AB00004139	IC	1	
IC1108,09	C3ABSY000090	IC	2	
IC1110	C0DBEYY00197	IC	1	
IC3000	C0DBEYY00197	IC	1	
IC3001	C1AB00004159	IC	1	
IC3002	C0DBEYY00175	IC	1	
IC3003	TVRT446	IC	1	
IC3004,05	C0JBAZ002390	IC	2	
IC3006	C0DBZYY00367	IC	1	
JK1001	K1QYY1YB0085	JACK	1	
JK1002	K1QYY4YB0005	CONNECTOR (RGB IN)	1	
JK1003	K1FY115BA080	TERMINAL(ANALOG)	1	
JK1004	K1FY119E0059	CONNECTOR (HDMI IN)	1	
JK1005	K1FY115BA081	CONNECTOR (RGB OUT)	1	
JK1006	K1FY124BA077	TERMINAL(DVI)	1	
JK1007	K2HA108B0003	CONNECTOR (LAN)	1	
JK1008	K1FY120E0008	CONNECTOR (DisplayPort IN)	1	
JS1001,02	ERJ6GEY0R00	M 0 OHM, 1/10W	2	
JS1004	ERJ6GEY0R00	M 0 OHM, 1/10W	1	
L1001,02	J0JHC0000078	EMI FILTER	2	
L1003-08	G1C33NJA0128	INDUCTOR	6	
L1009-12	J0JHC0000078	EMI FILTER	4	
L1013	G1C100K00031	INDUCTOR	1	
L1014	J0JJC0000022	EMI FILTER	1	
L1015,16	J0JHC0000078	EMI FILTER	2	
L1017	J0JJC0000022	EMI FILTER	1	
L1018	J0JCC0000168	EMI FILTER	1	
L1019,20	EXC28CH900	COIL	2	
L1023-27	J0JHC0000078	EMI FILTER	5	
L1030	J0JBC0000099	EMI FILTER	1	
L1031-34	J0JHC0000078	EMI FILTER	4	
L1035	J0JCC0000168	EMI FILTER	1	
L1036-39	J0JHC0000078	EMI FILTER	4	
L1040,41	EXC28CH900	COIL	2	
L1044	J0JBC0000099	EMI FILTER	1	
L1045-48	J0JHC0000078	EMI FILTER	4	
L1049	G1C100MA0072	INDUCTOR	1	
L1050-52	J0JJC0000022	EMI FILTER	3	
L1053,54	J0JBC0000116	EMI FILTER	2	
L1055	J0JJC0000022	EMI FILTER	1	
L1056,57	G1C4R7ZA0240	INDUCTOR	2	
L1058	G1C4R7ZA0119	INDUCTOR	1	
L1059-62	J0JJC0000022	EMI FILTER	4	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L1063,64	G1A330FA0007	COIL	2	
L1065	J0JYC0000023	EMI FILTER	1	
L1066-69	J0JJC0000022	EMI FILTER	4	
L1070	J0JBC0000116	EMI FILTER	1	
L1071	J0JJC0000022	EMI FILTER	1	
L1072	J0JYC0000024	EMI FILTER	1	
L1073	J0JYC0000066	EMI FILTER	1	
L1074,75	J0JBC0000080	EMI FILTER	2	
L1076	J0JJC0000022	EMI FILTER	1	
L1077	J0JYC0000024	EMI FILTER	1	
L1079	J0JJC0000022	EMI FILTER	1	
L1080	G1C4R7ZA0240	INDUCTOR	1	
L1081,82	J0JJC0000022	EMI FILTER	2	
L1083	G1C4R7ZA0240	INDUCTOR	1	
L1084	J0JJC0000022	EMI FILTER	1	
L1085	G1C4R7ZA0240	INDUCTOR	1	
L1086,87	J0JJC0000022	EMI FILTER	2	
L1088,89	J0JCC0000168	EMI FILTER	2	
L1090	J0JYC0000024	EMI FILTER	1	
L1091	J0JHC0000078	EMI FILTER	1	
L1092,93	J0JCC0000168	EMI FILTER	2	
L1094	J0JHC0000078	EMI FILTER	1	
L1095	J0JHC0000080	EMI FILTER	1	
L1096-98	J0JHC0000078	EMI FILTER	3	
L1099	J0JHC0000080	EMI FILTER	1	
L1100	J0JHC0000078	EMI FILTER	1	
L1101	J0JHC0000077	EMI FILTER	1	
L1102	J0JHC0000078	EMI FILTER	1	
L1103	J0JHC0000080	EMI FILTER	1	
L1104	J0JHC0000078	EMI FILTER	1	
L1105	J0JHC0000077	EMI FILTER	1	
L1106	J0JHC0000078	EMI FILTER	1	
L1107	J0JHC0000080	EMI FILTER	1	
L1108	J0JHC0000078	EMI FILTER	1	
L1109	J0JHC0000077	EMI FILTER	1	
L1110	J0JHC0000078	EMI FILTER	1	
L1111,12	J0JHC0000080	EMI FILTER	2	
L1113,14	J0JHC0000078	EMI FILTER	2	
L1115,16	J0JHC0000077	EMI FILTER	2	
L1117,18	J0JHC0000078	EMI FILTER	2	
L1119,20	J0JHC0000080	EMI FILTER	2	
L1121,22	J0JHC0000078	EMI FILTER	2	
L1123,24	J0JHC0000077	EMI FILTER	2	
L1125,26	J0JHC0000078	EMI FILTER	2	
L1127	J0JCC0000168	EMI FILTER	1	
L1128	J0JJC0000022	EMI FILTER	1	
L1129	J0JBC0000116	EMI FILTER	1	
L1130,31	J0JCC0000168	EMI FILTER	2	
L1132	J0JYC0000024	EMI FILTER	1	
L1135-39	J0JJC0000022	EMI FILTER	5	
L1140	J0JYC0000024	EMI FILTER	1	
L1141	J0JJC0000022	EMI FILTER	1	
L1142	G1C4R7ZA0119	INDUCTOR	1	
L1143	J0JHC0000078	EMI FILTER	1	
L1144-49	J0JJC0000022	EMI FILTER	6	
L1150-65	J0JCC0000168	EMI FILTER	16	
L1166	J0JYC0000023	EMI FILTER	1	
L1167	J0JJC0000022	EMI FILTER	1	
L1168-72	J0JCC0000168	EMI FILTER	5	
L1173,74	J0JYC0000024	EMI FILTER	2	
L1175-07	J0JCC0000168	EMI FILTER	33	
L1208	J0JBC0000086	FILTER	1	
L1209,10	J0JCC0000168	EMI FILTER	2	
L1212,13	J0JCC0000168	EMI FILTER	2	
L1214	J0JJC0000022	EMI FILTER	1	
L1215-21	J0JYC0000024	EMI FILTER	7	
L1222	G1C4R7ZA0240	INDUCTOR	1	
L1223	J0JJC0000022	EMI FILTER	1	
L1224-26	J0JYC0000024	EMI FILTER	3	
L1227	J0JJC0000022	EMI FILTER	1	
L1228-30	J0JYC0000024	EMI FILTER	3	
L1231	G1C4R7ZA0119	INDUCTOR	1	
L1232-91	J0JYC0000024	EMI FILTER	60	
L1292	G1C100MA0234	INDUCTOR	1	
L1293-95	J0JJC0000022	EMI FILTER	3	
L1299-02	J0JJC0000022	EMI FILTER	4	
L1303	J0JYC0000024	EMI FILTER	1	
L1305	J0JCC0000244	FILTER	1	
L1306	J0JYC0000066	EMI FILTER	1	
L1307	J0JJC0000022	EMI FILTER	1	
L1308-11	J0JBC0000116	EMI FILTER	4	
L1312,13	J0JCC0000168	EMI FILTER	2	
L1314-16	J0JBC0000098	FILTER	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L1317	J0JCC0000168	EMI FILTER	1	
L1320-22	G1C18NJA0128	INDUCTOR	3	
L1323-25	G1C33NJA0128	INDUCTOR	3	
L3001,02	EXC28CH900	COIL	2	
L3003-12	J0JHC0000078	EMI FILTER	10	
L3013	J0JJC0000022	EMI FILTER	1	
L3014	J0JHC0000078	EMI FILTER	1	
Q1001-06	DSC5G03S0L	TRANSISTOR	6	
Q1007,08	B1GBCFJJ0007	TRANSISTOR	2	
Q1009,10	B1ABDF000018	TRANSISTOR	2	
Q1011,12	B1GBCFJJ0007	TRANSISTOR	2	
Q1013-16	B1ABDF000018	TRANSISTOR	4	
Q1017	B1GBCFJJ0007	TRANSISTOR	1	
Q1018	B1GDCFJJ0008	TRANSISTOR	1	
Q1019	B1GBCFJJ0007	TRANSISTOR	1	
Q1020-23	B1ABDF000018	TRANSISTOR	4	
Q1024,25	B1ABBC000027	TRANSISTOR	2	
Q1026	B1GBCFJJ0007	TRANSISTOR	1	
Q1028-30	B1GBCFJJ0007	TRANSISTOR	3	
Q1032	B1GBCFJJ0007	TRANSISTOR	1	
Q1033	B1GDCFJJ0008	TRANSISTOR	1	
Q1034	B1GBCFJJ0007	TRANSISTOR	1	
Q1035,36	B1CBHD000001	TRANSISTOR	2	
Q1037	B1GBCFJJ0007	TRANSISTOR	1	
Q1038	B1ADCE000013	TRANSISTOR	1	
Q1039	B1GBCFJJ0007	TRANSISTOR	1	
Q1041	B1GBCFJJ0007	TRANSISTOR	1	
Q1042	B1ABDF000018	TRANSISTOR	1	
Q1045,46	B1ABDF000018	TRANSISTOR	2	
Q1047	B1CHRC000024	TRANSISTOR	1	
Q1048	B1GBCFLL0039	TRANSISTOR	1	
Q1057,58	B1CHQD000008	TRANSISTOR	2	
Q1059,60	B1CBHD000001	TRANSISTOR	2	
Q1061,62	B1GBCFLM0003	TRANSISTOR	2	
Q1070-75	B1ABDF000018	TRANSISTOR	6	
Q1076	B1CHQD000008	TRANSISTOR	1	
Q1077,78	B1GBCFLM0003	TRANSISTOR	2	
Q1081	B1ABDF000018	TRANSISTOR	1	
Q1083	B1GDCFJJ0008	TRANSISTOR	1	
Q1085	B1GDCFJJ0008	TRANSISTOR	1	
Q1086	B1ABCF000098	TRANSISTOR	1	
Q1088	B1GBCFLM0003	TRANSISTOR	1	
Q1102-05	B1GBCFLM0003	TRANSISTOR	4	
Q1106	B1CHQD000008	TRANSISTOR	1	
Q1107	B1GBCFLM0003	TRANSISTOR	1	
Q1109	B1ABCF000098	TRANSISTOR	1	
Q1110	B1GBCFLM0003	TRANSISTOR	1	
Q2300,01	B1GBCFLM0003	TRANSISTOR	2	
R1002	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1003	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1004	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1005	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1006	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1007	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1008-10	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R1011	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1012	ERJ3EKF1500	METAL FILM OXIDE RESISTOR	1	
R1013	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1014	ERJ3EKF1500	METAL FILM OXIDE RESISTOR	1	
R1015	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1016	ERJ3EKF1500	METAL FILM OXIDE RESISTOR	1	
R1017-19	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R1020,21	ERJ3GEYJ102	RESISTOR	2	
R1025-30	ERJ6ENF10R0	METAL FILM RESISTOR,0.1W	6	
R1031,32	ERJ3GEYJ102	RESISTOR	2	
R1035-38	ERJ2GEJ680	M 68 OHM, 0.063W	4	
R1040-43	ERJ2GEJ680	M 68 OHM, 0.063W	4	
R1044-49	ERJ6ENF10R0	METAL FILM RESISTOR,0.1W	6	
R1050	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1051-56	ERJ6ENF1000	METAL FILM RESISTOR,0.1W	6	
R1059	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1060	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1061	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R1062	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1063	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1064	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1065	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1066-71	ERJ6ENF1000	METAL FILM RESISTOR,0.1W	6	
R1072-74	ERJ2GE0R00	M 0 OHM, 0.063W	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1075	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1077	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1078	ERJ3EKF1500	METAL FILM OXIDE RESISTOR	1	
R1079	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1080	ERJ3EKF1500	METAL FILM OXIDE RESISTOR	1	
R1081	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1082	ERJ3EKF1500	METAL FILM OXIDE RESISTOR	1	
R1083-85	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R1089-95	ERJ2GEJ101	M 100 OHM, 0.063W	7	
R1097,98	ERJ2GEJ472	M 4.7K OHM, 0.063W	2	
R1099	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R1100,01	ERJ3GEYJ105	M 1M OHM,J,1/16W	2	
R1102	ERJ3GEYJ222	M 2.2K OHM,J,1/16W	1	
R1103	ERJ3GEYJ621	MT-GLAZE 620 JA 1/10W	1	
R1104	ERJ3GEYJ102	RESISTOR	1	
R1105	ERJ3GEYJ821	M 820 OHM,J,1/16W	1	
R1106	ERJ3GEYJ332	M 3.3K OHM,J,1/16W	1	
R1107	ERJ3GEYJ272	M 2.7K OHMJ,J1/16W	1	
R1108,09	ERJ3GEYJ471	M 470 OHM,J,1/16W	2	
R1110	ERJ3GEYJ105	M 1M OHM,J,1/16W	1	
R1111	ERJ3GEYJ222	M 2.2K OHM,J,1/16W	1	
R1112	ERJ3GEYJ105	M 1M OHM,J,1/16W	1	
R1113	ERJ3GEYJ621	MT-GLAZE 620 JA 1/10W	1	
R1114	ERJ3GEYJ102	RESISTOR	1	
R1115	ERJ3GEYJ821	M 820 OHM,J,1/16W	1	
R1116	ERJ3GEYJ332	M 3.3K OHM,J,1/16W	1	
R1117	ERJ3GEYJ272	M 2.7K OHMJ,J1/16W	1	
R1118,19	ERJ3GEYJ100	M 10 OHM,J,1/16W	2	
R1120,21	ERJ3GEYJ471	M 470 OHM,J,1/16W	2	
R1122	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R1123,24	ERJ3GEYJ271	M 270 OHM,J,1/16W	2	
R1125,26	ERJ3GEYJ682	M 6.8K OHM,J,1/16WV	2	
R1127,28	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R1129-31	ERJ3GEYJ100	M 10 OHM,J,1/16W	3	
R1132,33	ERJ3GEYJ471	M 470 OHM,J,1/16W	2	
R1134,35	ERJ3GEYJ102	RESISTOR	2	
R1136	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R1137	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R1138-43	ERJ3GEYJ750	RESISTOR	6	
R1144,45	ERJ3GEYJ103	RESISTOR	2	
R1146,47	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1148	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1149-52	ERJ3EKF3900	RESISTOR	4	
R1153	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R1154-61	ERJ2GEJ3R0	RESISTOR	8	
R1162	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1163	ERJ3GEYJ102	RESISTOR	1	
R1164	ERJ3GEYJ393	RESISTOR	1	
R1165	ERJ3GEYJ103	RESISTOR	1	
R1167	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1168	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1169,70	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R1173	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R1174	ERJ3EKF3162	RESISTOR	1	
R1175	ERJ3EKF1002	M 10K OHM, 1/16W	1	
R1176	ERJ3GEYJ103	RESISTOR	1	
R1177-84	ERJ2GE0R00	M 0 OHM, 0.063W	8	
R1185	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R1186,87	ERJ2GEJ472	M 4.7K OHM, 0.063W	2	
R1188,89	ERJ2GEJ100	M 10 OHM, 0.063W	2	
R1190-92	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R1195,96	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R1197	ERJ3EKF3002	RESISTOR	1	
R1198	ERJ3EKF2402	RESISTOR	1	
R1199	ERJ3EKF3002	RESISTOR	1	
R1200	ERJ3EKF2402	RESISTOR	1	
R1201	ERJ3EKF3162	RESISTOR	1	
R1202	ERJ3EKF1002	M 10K OHM, 1/16W	1	
R1203,04	ERJ2GEJ103	M 10K OHM, 0.063W	2	
R1205	ERJ3EKF4990	M 499 OHM, 1/16W	1	
R1207-15	EXB28V220J	RESISTOR ARRAY 22 OHM	9	
R1216	EXB28V560J	RESISTOR ARRAY 56 OHM	1	
R1217	ERJ2GEJ330	RESISTOR	1	
R1218	ERJ2GEJ560	M 56 OHM, 0.063W	1	
R1219	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1221	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1222	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1223,24	ERJ2GEJ103	M 10K OHM, 0.063W	2	
R1225,26	EXB28V330J	RESISTOR ARRAY 33 OHM	2	
R1227	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1229	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1230-32	ERJ2GEJ331	M 330 OHM, 0.063W	3	
R1233	ERJ3GEY0R00	M 0 OHM, 1/16W	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1234	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1235	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R1237	ERJ3EKF2002	RESISTOR	1	
R1238,39	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R1240	ERJ3EKF2001	M 2K OHM, 1/16W	1	
R1246	ERJ3GEYJ102	RESISTOR	1	
R1248	ERJ3GEYJ102	RESISTOR	1	
R1252,53	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R1254-56	ERJ2GEJ121	MT-GLAZE 120 JA 1/16W	3	
R1257-59	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R1262,63	ERJ3EKF1002	M 10K OHM, 1/16W	2	
R1265	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R1266,67	ERJ2GEJ103	M 10K OHM, 0.063W	2	
R1268	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R1269,70	ERJ2GEJ103	M 10K OHM, 0.063W	2	
R1271	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R1272	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R1273	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1274-76	ERJ3GEYJ220	M 22 OHM,J,1/16W	3	
R1277-80	ERJ2GEJ220	M 22 OHM, 0.063W	4	
R1281	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1282	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1284,85	ERJ2GEJ3R0	RESISTOR	2	
R1287,88	ERJ2GEJ3R0	RESISTOR	2	
R1289	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R1290	ERJ2GEJ3R0	RESISTOR	1	
R1291	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1292,93	ERJ2GEJ3R0	RESISTOR	2	
R1297	ERJ2GEJ3R0	RESISTOR	1	
R1298	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1299	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R1300	ERJ3GEYJ102	RESISTOR	1	
R1301	ERJ3GEYJ393	RESISTOR	1	
R1302,03	ERJ2GEJ472	M 4.7K OHM, 0.063W	2	
R1305	EXB28V220J	RESISTOR ARRAY 22 OHM	1	
R1306	ERJ3EKF3002	RESISTOR	1	
R1307	ERJ3EKF2402	RESISTOR	1	
R1309	EXB28V220J	RESISTOR ARRAY 22 OHM	1	
R1310	ERJ3EKF4990	M 499 OHM, 1/16W	1	
R1311	ERJ2GEJ330	RESISTOR	1	
R1312	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1313	EXB28V220J	RESISTOR ARRAY 22 OHM	1	
R1314	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1315,16	EXB28V220J	RESISTOR ARRAY 22 OHM	2	
R1317	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1318,19	ERJ2GEJ472	M 4.7K OHM, 0.063W	2	
R1320	ERJ3EKF3002	RESISTOR	1	
R1321	ERJ3EKF2402	RESISTOR	1	
R1322,23	EXB28V220J	RESISTOR ARRAY 22 OHM	2	
R1324	EXB28V560J	RESISTOR ARRAY 56 OHM	1	
R1325,26	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R1327	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1328,29	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R1330,31	ERJ2GEJ472	M 4.7K OHM, 0.063W	2	
R1333	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1334	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1335	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R1336	ERJ3GEYJ103	RESISTOR	1	
R1337-39	ERJ2GEJ220	M 22 OHM, 0.063W	3	
R1340	ERJ3EKF3162	RESISTOR	1	
R1341	ERJ3EKF1002	M 10K OHM, 1/16W	1	
R1342-45	ERJ2RKF75R0	RESISTOR	4	
R1346-51	ERJ2GEJ220	M 22 OHM, 0.063W	6	
R1352	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1353,54	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R1355,56	ERJ2GEJ103	M 10K OHM, 0.063W	2	
R1357	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1358-60	ERJ2RKF49R9	MT-GLAZE 49.9 FA 1/16W	3	
R1361	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1362	ERJ2RKF49R9	MT-GLAZE 49.9 FA 1/16W	1	
R1363	ERJ2GEJ222	MT-GLAZE 2.2K JA 1/16W	1	
R1364	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1365	ERJ2RKF49R9	MT-GLAZE 49.9 FA 1/16W	1	
R1366	ERJ2GEJ222	MT-GLAZE 2.2K JA 1/16W	1	
R1367-69	ERJ2RKF49R9	MT-GLAZE 49.9 FA 1/16W	3	
R1370	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1371-74	ERJ2GE0R00	M 0 OHM, 0.063W	4	
R1375	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1376	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1377	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1378	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1379	ERJ2RKF4531	RESISTOR	1	
R1380	ERJ2GEJ101	M 100 OHM, 0.063W	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1381,82	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R1383	ERJ2GEJ152	MT-GLAZE 1.5K JA 1/16W	1	
R1384	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1385	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1387	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1393-95	ERJ2GEJ102	M 1K OHM, 0.063W	3	
R1396,97	ERJ2GEJ390	MT-GLAZE 39 JA 1/16W	2	
R1398	ERJ3EKF7502	RESISTOR	1	
R1399	ERJ3EKF2262	RESISTOR	1	
R1400	ERJ3EKF3002	RESISTOR	1	
R1401	ERJ3EKF2202	MT-GLAZE 22K FA 1/10W	1	
R1402	ERJ3EKF6801	M 6.8K OHM, 1/16W	1	
R1403	ERJ3EKF2202	MT-GLAZE 22K FA 1/10W	1	
R1406	ERJ3GEYJ102	RESISTOR	1	
R1407	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R1408	ERJ2RKF4021	RESISTOR	1	
R1409	ERJ2GEJ101	M 100 OHM, 0.063W	1	
R1410	ERJ2GEJ470	RESISTOR	1	
R1411	ERJ2GEJ273	M.RESISTOR CH 1/16W 27K	1	
R1412,13	ERJ2GE0R00	M 0 OHM, 0.063W	2	
R1414	ERJ2GEJ182	M.RESISTOR CH 1/16W 1.8K	1	
R1415-22	ERJ2GE0R00	M 0 OHM, 0.063W	8	
R1423	ERJ2GEJ182	M.RESISTOR CH 1/16W 1.8K	1	
R1424	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1425	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1426	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1428	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1431	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1435	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1438	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1442	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1447	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1451	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1453-56	ERJ2GEJ102	M 1K OHM, 0.063W	4	
R1457,58	ERJ2GEJ390	MT-GLAZE 39 JA 1/16W	2	
R1459-61	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R1462,63	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R1465	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1466	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1467,68	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R1469	ERJ2GEJ100	M 10 OHM, 0.063W	1	
R1470-72	ERJ2GEJ220	M 22 OHM, 0.063W	3	
R1473	ERJ2GEJ390	MT-GLAZE 39 JA 1/16W	1	
R1474,75	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R1476	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1479-81	ERJ2GEJ220	M 22 OHM, 0.063W	3	
R1482,83	ERJ2GEJ472	M 4.7K OHM, 0.063W	2	
R1484	ERJ2GEJ471	M.RESISTOR CH 1/16W 470	1	
R1487	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1488	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1490	ERJ2GEJ330	RESISTOR	1	
R1492	ERJ2GEJ330	RESISTOR	1	
R1493	ERJ2GEJ151	RESISTOR	1	
R1495	ERJ2GEJ151	RESISTOR	1	
R1496	ERJ2GEJ330	RESISTOR	1	
R1498	ERJ2GEJ330	RESISTOR	1	
R1501	ERJ2GEJ330	RESISTOR	1	
R1504-09	ERJ2GEJ151	RESISTOR	6	
R1510	ERJ2GEJ330	RESISTOR	1	
R1515	ERJ2GEJ390	MT-GLAZE 39 JA 1/16W	1	
R1516,17	ERJ2GE0R00	M 0 OHM, 0.063W	2	
R1524	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1525	ERJ2GEJ152	MT-GLAZE 1.5K JA 1/16W	1	
R1532	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R1533	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R1535	ERJ2GEJ151	RESISTOR	1	
R1536,37	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R1538	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1540	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1541	ERJ3GEYJ512	RESISTOR	1	
R1542	ERJ3GEYJ332	M 3.3K OHM,J,1/16W	1	
R1543	ERJ2GEJ152	MT-GLAZE 1.5K JA 1/16W	1	
R1544	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1545	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R1546,47	ERJ2GEJ332	M 3.3K OHM, 0.063W	2	
R1548	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1549,50	ERJ2GEJ223	M 22K OHM, 0.063W	2	
R1551	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R1552,53	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R1556	ERJ3EKF3002	RESISTOR	1	
R1557	ERJ3EKF2201	M 2.2K OHM, 1/16W	1	
R1558	ERJ2GEJ100	M 10 OHM, 0.063W	1	
R1559	ERJ3GEY0R00	M 0 OHM, 1/16W	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1560	ERJ2GEJ100	M 10 OHM, 0.063W	1	
R1561	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1562	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R1564	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1565	ERJ3GEYJ272	M 2.7K OHMJ,J1/16W	1	
R1566	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1567	EXB38V220J	RESISTOR ARRAY 22 OHM	1	
R1568-71	ERJ2GEJ220	M 22 OHM, 0.063W	4	
R1572	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1573	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1574	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1575	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R1576-82	ERJ2GEJ220	M 22 OHM, 0.063W	7	
R1583,84	ERJ2GEJ473	M 47K OHM, 0.063W	2	
R1585	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1587	ERJ3GEYJ103	RESISTOR	1	
R1591	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R1592	ERJ3GEYJ103	RESISTOR	1	
R1593,94	ERJ2GEJ472	M 4.7K OHM, 0.063W	2	
R1596	ERJ3GEYJ103	RESISTOR	1	
R1597	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1599-13	ERJ2GEJ100	M 10 OHM, 0.063W	15	
R1614-16	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R1617	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1618,19	ERJ2GEJ472	M 4.7K OHM, 0.063W	2	
R1620,21	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R1622-27	ERJ2GEJ100	M 10 OHM, 0.063W	6	
R1628-30	ERJ2GEJ220	M 22 OHM, 0.063W	3	
R1631-33	ERJ2GEJ100	M 10 OHM, 0.063W	3	
R1634	ERJ3EKF3300	RESISTOR	1	
R1635,36	ERJ3EKF2400	MT-GLAZE 240 FA 1/10W	2	
R1637	ERJ3EKF3300	RESISTOR	1	
R1638	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1639,40	ERJ3EKF3300	RESISTOR	2	
R1641	ERJ2GEJ222	MT-GLAZE 2.2K JA 1/16W	1	
R1642	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1643	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1644	ERJ2GEJ100	M 10 OHM, 0.063W	1	
R1645	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1646	ERJ2GEJ223	M 22K OHM, 0.063W	1	
R1647-56	ERJ2GEJ100	M 10 OHM, 0.063W	10	
R1657	ERJ2GEJ330	RESISTOR	1	
R1658,59	ERJ2GEJ100	M 10 OHM, 0.063W	2	
R1660	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1661	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1662	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1663,64	ERJ2GEJ153	RESISTOR	2	
R1667,68	ERJ2GEJ100	M 10 OHM, 0.063W	2	
R1669,70	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R1671	ERJ2GEJ330	RESISTOR	1	
R1676	EXB28V472J	RESISTOR ARRAY	1	
R1677	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1678	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1679-81	ERJ2GEJ153	RESISTOR	3	
R1682	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1683	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1684	ERJ2GEJ681	M 680 OHM, 0.063W	1	
R1687	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1688	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1689	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1694	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1695,96	ERJ2GEJ100	M 10 OHM, 0.063W	2	
R1697	ERJ2GEJ561	RESISTOR	1	
R1698	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1699,00	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R1701	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1704	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1705	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1706	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1707	ERJ2GEJ101	M 100 OHM, 0.063W	1	
R1708	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R1709	ERJ2GEJ151	RESISTOR	1	
R1710	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R1711	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R1712	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1713	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1714	ERJ3GEYJ102	RESISTOR	1	
R1715-17	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R1721	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1722	ERJ2GEJ222	MT-GLAZE 2.2K JA 1/16W	1	
R1723	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1727	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R1728	ERJ3EKF1272	RESISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1729	ERJ3EKF2202	MT-GLAZE 22K FA 1/10W	1	
R1730	ERJ3GEYJ102	RESISTOR	1	
R1731	ERJ2GEJ100	M 10 OHM, 0.063W	1	
R1732	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R1733,34	EXB28V560J	RESISTOR ARRAY 56 OHM	2	
R1735	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R1736	ERJ3EKF3002	RESISTOR	1	
R1737	ERJ3EKF2202	MT-GLAZE 22K FA 1/10W	1	
R1738,39	ERJ3EKF5600	METAL GLAZE RESISTOR,0.06W	2	
R1740-42	EXB28V470J	RESISTOR ARRAY	3	
R1751-53	EXB28V470J	RESISTOR ARRAY	3	
R1754,55	ERJ3EKF5600	METAL GLAZE RESISTOR,0.06W	2	
R1756	ERJ3GEYJ102	RESISTOR	1	
R1757,58	ERJ2GEJ330	RESISTOR	2	
R1761	ERJ2GEJ121	MT-GLAZE 120 JA 1/16W	1	
R1762-66	EXB28VR000	RESISTOR ARRAY	5	
R1767-70	ERJ2GE0R00	M 0 OHM, 0.063W	4	
R1771,72	ERJ3EKF5600	METAL GLAZE RESISTOR,0.06W	2	
R1773,74	ERJ2GEJ330	RESISTOR	2	
R1777	ERJ2GEJ121	MT-GLAZE 120 JA 1/16W	1	
R1778-82	EXB28VR000	RESISTOR ARRAY	5	
R1783-86	ERJ2GE0R00	M 0 OHM, 0.063W	4	
R1787,88	ERJ3EKF5600	METAL GLAZE RESISTOR,0.06W	2	
R1789	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R1790	ERJ3EKF1272	RESISTOR	1	
R1791	ERJ3EKF2202	MT-GLAZE 22K FA 1/10W	1	
R1792-03	ERJ2GEJ101	M 100 OHM, 0.063W	12	
R1804	ERJ3GEYJ102	RESISTOR	1	
R1805-09	ERJ2GEJ101	M 100 OHM, 0.063W	5	
R1811	ERJ2GEJ101	M 100 OHM, 0.063W	1	
R1812	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1813-15	ERJ2GEJ103	M 10K OHM, 0.063W	3	
R1818,19	ERJ2GEJ103	M 10K OHM, 0.063W	2	
R1820	ERJ3EKF2152	RESISTOR	1	
R1821	ERJ3EKF1002	M 10K OHM, 1/16W	1	
R1822	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1823-27	ERJ2GEJ102	M 1K OHM, 0.063W	5	
R1828	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1829,30	ERJ2GEJ101	M 100 OHM, 0.063W	2	
R1831	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1832-41	ERJ2GEJ101	M 100 OHM, 0.063W	10	
R1842,43	ERJ2GEJ102	M 1K OHM, 0.063W	2	
R1844	ERJ2GEJ101	M 100 OHM, 0.063W	1	
R1845-50	ERJ2GEJ102	M 1K OHM, 0.063W	6	
R1851-61	ERJ2GEJ101	M 100 OHM, 0.063W	11	
R1862,63	ERJ2GEJ102	M 1K OHM, 0.063W	2	
R1864	ERJ3GEYJ103	RESISTOR	1	
R1865-68	ERJ2GEJ101	M 100 OHM, 0.063W	4	
R1869	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1870	ERJ3EKF2152	RESISTOR	1	
R1875	ERJ3EKF3162	RESISTOR	1	
R1876	ERJ3EKF1002	M 10K OHM, 1/16W	1	
R1877	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1884	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1886-93	ERJ2GEJ101	M 100 OHM, 0.063W	8	
R1894-99	ERJ2GEJ121	MT-GLAZE 120 JA 1/16W	6	
R1900	ERJ2GEJ181	METAL GLAZE RESISTOR,0.06W	1	
R1901-03	ERJ2GEJ121	MT-GLAZE 120 JA 1/16W	3	
R1904,05	ERJ2GE0R00	M 0 OHM, 0.063W	2	
R1906-19	ERJ2GEJ121	MT-GLAZE 120 JA 1/16W	14	
R1920	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R1921	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R1922	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R1923	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R1924	ERJ6ENF6801	M 6.8K OHM, 1/10W	1	
R1927	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R1929	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1930,31	ERJ3GEYJ560	M 56 OHM,J,1/16W	2	
R1932	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R1933	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R1934	ERJ6ENF6801	M 6.8K OHM, 1/10W	1	
R1936	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1937,38	ERJ3GEYJ560	M 56 OHM,J,1/16W	2	
R1939	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R1940	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R1944	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R1945	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R1946	ERJ6ENF6801	M 6.8K OHM, 1/10W	1	
R1947	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R1948	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R1949	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1951	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R1952	ERJ3GEY0R00	M 0 OHM, 1/16W	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1954	ERJ3EKF8201	M 8.2K OHM, 1/16W	1	
R1955	D1BZ2700A012	M 270 OHM	1	
R1956	ERJ3EKF2701	RESISTOR	1	
R1957	ERJ3EKF8201	M 8.2K OHM, 1/16W	1	
R1958,59	ERJ3GEYJ560	M 56 OHM,J,1/16W	2	
R1960,61	ERJ2GEJ562	M 5.6K OHM, 0.063W	2	
R1962	ERJ3EKF2701	RESISTOR	1	
R1963,64	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R1967-70	ERJ3GEYJ560	M 56 OHM,J,1/16W	4	
R1971,72	ERJ2GEJ562	M 5.6K OHM, 0.063W	2	
R1973,74	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R1977,78	ERJ3GEYJ560	M 56 OHM,J,1/16W	2	
R1979	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1980	ERJ2GEJ101	M 100 OHM, 0.063W	1	
R1981,82	ERJ3GEYJ473	M 47KOHM,J,1/16W	2	
R1983	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1984	ERJ2GEJ101	M 100 OHM, 0.063W	1	
R1985,86	ERJ3GEYJ223	M 22K OHM,J,1/16W	2	
R1987	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1988	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1990	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1991	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1992	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1993	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1994	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2010	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2012,13	ERJ2GEJ101	M 100 OHM, 0.063W	2	
R2014	ERJ3EKF7502	RESISTOR	1	
R2015	ERJ3EKF2262	RESISTOR	1	
R2016	ERJ2GEJ181	METAL GLAZE RESISTOR,0.06W	1	
R2017	ERJ2GEJ121	MT-GLAZE 120 JA 1/16W	1	
R2019	ERJ2GEJ101	M 100 OHM, 0.063W	1	
R2020	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2021	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2022	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R2023	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2024	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2025	ERJ3GEYJ682	M 6.8K OHM,J,1/16W	1	
R2027	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2028	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2029	ERJ3GEYJ682	M 6.8K OHM,J,1/16W	1	
R2031	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R2032,33	ERJ2GEJ103	M 10K OHM, 0.063W	2	
R2035,36	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R2037	ERJ1TY0R00	RESISTOR	1	
R2038,39	ERJ3GEYJ560	M 56 OHM,J,1/16W	2	
R2042-45	ERJ3GEYJ101	M 100 OHM,J,1/16W	4	
R2046,47	ERJ1TY0R00	RESISTOR	2	
R2048,49	ERJ3GEYJ560	M 56 OHM,J,1/16W	2	
R2050-53	ERJ2GE0R00	M 0 OHM, 0.063W	4	
R2054,55	ERJ3GEYJ103	RESISTOR	2	
R2056-59	ERJ3GEYJ102	RESISTOR	4	
R2060-63	ERJ1TYJ100	RESISTOR	4	
R2064,65	ERJ3GEYJ102	RESISTOR	2	
R2066	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2067	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R2068	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2069	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R2070	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2071	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R2072	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2073	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R2074	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2075,76	ERJ2GEJ472	M 4.7K OHM, 0.063W	2	
R2077	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2078	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R2081	ERJ2GEJ2R2	RESISTOR	1	
R2082	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2083,84	ERJ2GEJ332	M 3.3K OHM, 0.063W	2	
R2085	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R2086	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2087	ERJ3EKF4701	METAL FILM OXIDE RESISTOR	1	
R2088	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2089	ERJ3EKF2001	M 2K OHM, 1/16W	1	
R2090,91	ERJ2GE0R00	M 0 OHM, 0.063W	2	
R2092,93	ERJ2GEJ332	M 3.3K OHM, 0.063W	2	
R2094	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2095	ERJ2GEJ2R2	RESISTOR	1	
R2096,97	ERJ2GE0R00	M 0 OHM, 0.063W	2	
R2098	ERJ3EKF1002	M 10K OHM, 1/16W	1	
R2099	ERJ3EKF2201	M 2.2K OHM, 1/16W	1	
R2100	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R2101	ERJ3GEYJ223	M 22K OHM,J,1/16W	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2102	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R2103	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R2104,05	ERJ2GEJ101	M 100 OHM, 0.063W	2	
R2106	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2107	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R2108	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2109-11	ERJ2GEJ102	M 1K OHM, 0.063W	3	
R2112-14	ERJ2GEJ101	M 100 OHM, 0.063W	3	
R2115	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2116	ERJ2GEJ330	RESISTOR	1	
R2117	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R2118	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2119	ERJ3EKF1601	RESISTOR	1	
R2120	ERJ2GEJ470	RESISTOR	1	
R2122	ERJ3EKF3002	RESISTOR	1	
R2123	ERJ3EKF1003	M 100KOHM, 1/16W	1	
R2124	ERJ3EKF4701	METAL FILM OXIDE RESISTOR	1	
R2125	ERJ3EKF1201	M.RESISTOR CH 1/16W 1.2K	1	
R2127,28	ERJ3EKF1002	M 10K OHM, 1/16W	2	
R2130	ERJ2GEJ470	RESISTOR	1	
R2131	ERJ3EKF3602	RESISTOR	1	
R2133	ERJ3EKF1152	RESISTOR	1	
R2134	ERJ3EKF3602	RESISTOR	1	
R2135	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2136	ERJ3EKF1152	RESISTOR	1	
R2137	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R2138	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R2139	ERJ2GEJ470	RESISTOR	1	
R2140	ERJ3EKF3602	RESISTOR	1	
R2141	ERJ3EKF1152	RESISTOR	1	
R2143	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2144	ERJ3GEYJ222	M 2.2K OHM,J,1/16W	1	
R2145	ERJ2GEJ470	RESISTOR	1	
R2146,47	EXB28V102J	RESISTOR ARRAY	2	
R2149	ERJ3GEYJ102	RESISTOR	1	
R2151	ERJ3EKF1002	M 10K OHM, 1/16W	1	
R2152	ERJ3GEYJ102	RESISTOR	1	
R2154	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2156	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2158	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2160	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2162	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2164	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2165	ERJ3EKF3002	RESISTOR	1	
R2166	ERJ3EKF2202	MT-GLAZE 22K FA 1/10W	1	
R2173	ERJ3GEYJ102	RESISTOR	1	
R2175	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2177	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2179	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2180	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2182	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2184	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2186	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2192	ERJ3EKF1272	RESISTOR	1	
R2193	ERJ3EKF2202	MT-GLAZE 22K FA 1/10W	1	
R2206,07	ERJ2GE0R00	M 0 OHM, 0.063W	2	
R2208	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2209	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R2213	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2215	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2217	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2219	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2220-22	ERJ2GEJ472	M 4.7K OHM, 0.063W	3	
R2223-29	ERJ2GE0R00	M 0 OHM, 0.063W	7	
R2232	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2235-38	ERJ2GEJ472	M 4.7K OHM, 0.063W	4	
R2241-43	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R2244	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2245	ERJ2GEJ332	M 3.3K OHM, 0.063W	1	
R2246,47	ERJ2GEJ472	M 4.7K OHM, 0.063W	2	
R2248	ERJ2GEJ332	M 3.3K OHM, 0.063W	1	
R2250-83	ERJ2GE0R00	M 0 OHM, 0.063W	34	
R2284-86	ERJ2GEJ472	M 4.7K OHM, 0.063W	3	
R2287-20	ERJ2GEJ220	M 22 OHM, 0.063W	34	
R2321,22	ERJ2GE0R00	M 0 OHM, 0.063W	2	
R2323-25	ERJ2GEJ220	M 22 OHM, 0.063W	3	
R2327,28	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R2329	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2330	ERJ2GEJ332	M 3.3K OHM, 0.063W	1	
R2332,33	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R2334	ERJ2GEJ332	M 3.3K OHM, 0.063W	1	
R2335	EXB28V220J	RESISTOR ARRAY 22 OHM	1	
R2336-44	ERJ2GE0R00	M 0 OHM, 0.063W	9	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2345-47	ERJ2GEJ101	M 100 OHM, 0.063W	3	
R2348	ERJ2GEJ100	M 10 OHM, 0.063W	1	
R2353	ERJ2GEJ100	M 10 OHM, 0.063W	1	
R2355	ERJ2GEJ100	M 10 OHM, 0.063W	1	
R2357	ERJ2GEJ100	M 10 OHM, 0.063W	1	
R2359	ERJ2GEJ100	M 10 OHM, 0.063W	1	
R2361-66	ERJ2GE0R00	M 0 OHM, 0.063W	6	
R2368-73	ERJ2GE0R00	M 0 OHM, 0.063W	6	
R2374	ERJ2GEJ100	M 10 OHM, 0.063W	1	
R2377-82	ERJ2GE0R00	M 0 OHM, 0.063W	6	
R2383	ERJ2GEJ100	M 10 OHM, 0.063W	1	
R2385	ERJ2GEJ100	M 10 OHM, 0.063W	1	
R2387-22	EXB28V390J	RESISTOR ARRAY	36	
R2423-26	ERJ2GE0R00	M 0 OHM, 0.063W	4	
R2427	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2428	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2429	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2430	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2431	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2435	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2437,38	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2440,41	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2443	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2474-76	ERJ2GEJ272	M.RESISTOR CH 1/16W 2.7K	3	
R2477-79	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R2480	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R2481	ERJ3EKF7502	RESISTOR	1	
R2482	ERJ3EKF1203	M 120K OHM, 1/16W	1	
R2483	ERJ3EKF1002	M 10K OHM, 1/16W	1	
R2484-86	ERJ2GEJ220	M 22 OHM, 0.063W	3	
R2487	ERJ3EKF2101	METAL FILM OXIDE RESISTOR	1	
R2488	ERJ3EKF1002	M 10K OHM, 1/16W	1	
R2489	ERJ3EKF5232	RESISTOR	1	
R2491,92	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R2493	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2494	ERJ3EKF4121	METAL FILM OXIDE RESISTOR	1	
R2495	ERJ3GEYJ102	RESISTOR	1	
R2496	ERJ3EKF4121	METAL FILM OXIDE RESISTOR	1	
R2497	ERJ3GEYJ102	RESISTOR	1	
R2498	ERJ3EKF4121	METAL FILM OXIDE RESISTOR	1	
R2499	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R2500	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R2501-10	ERJ2GEJ181	METAL GLAZE RESISTOR,0.06W	10	
R2511	ERJ3EKF1002	M 10K OHM, 1/16W	1	
R2512-15	ERJ3GEYJ102	RESISTOR	4	
R2516-19	ERJ2GEJ472	M 4.7K OHM, 0.063W	4	
R2521	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2522	ERJ3GEYJ223	M 22K OHM,J,1/16W	1	
R2529,30	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R2531,32	ERJ2GEJ103	M 10K OHM, 0.063W	2	
R2537	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R2538	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2539	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2540	ERJ3EKF3002	RESISTOR	1	
R2541,42	ERJ2GE0R00	M 0 OHM, 0.063W	2	
R2543	ERJ2GEJ101	M 100 OHM, 0.063W	1	
R2544-48	ERJ2GE0R00	M 0 OHM, 0.063W	5	
R2549,50	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R2601,02	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R3000-07	ERJ2GEJ3R0	RESISTOR	8	
R3008	ERJ2GEJ105	M.RESISTOR CH 1/16W 1M	1	
R3009	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R3010	ERJ2GEJ105	M.RESISTOR CH 1/16W 1M	1	
R3011	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R3012,13	ERJ2GEJ103	M 10K OHM, 0.063W	2	
R3014	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R3015,16	ERJ2GEJ200	RESISTOR	2	
R3017	ERJ3EKF3162	RESISTOR	1	
R3018,19	ERJ3EKF1002	M 10K OHM, 1/16W	2	
R3020	ERJ3EKF2002	RESISTOR	1	
R3021,22	ERJ2GE0R00	M 0 OHM, 0.063W	2	
R3024	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R3025	ERJ2RKF2490	RESISTOR	1	
R3028	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R3030	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R3031	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R3032	ERJ2GEJ332	M 3.3K OHM, 0.063W	1	
R3033	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R3034,35	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R3036	ERJ2RKF2490	RESISTOR	1	
R3037	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R3038	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R3039,40	ERJ2GE0R00	M 0 OHM, 0.063W	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3042-45	ERJ2GEJ472	M 4.7K OHM, 0.063W	4	
R3047	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R3052	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R3053	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R3054	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R3055-57	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R3058	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R3060	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R3062-69	ERJ2RKF49R9	MT-GLAZE 49.9 FA 1/16W	8	
R3070-77	ERJ2GEJ3R0	RESISTOR	8	
R3078-85	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	8	
R3086,87	ERJ2GEJ105	M.RESISTOR CH 1/16W 1M	2	
R3089	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R3090	ERJ2GEJ103	M 10K OHM, 0.063W	1	
RM1001	B3RAD0000126	REMOTE CONTROL RECEIVER	1	
SW1001	K0L1CA000005	SWICH	1	
T1001	G5BYC0000047	TRANSFORMER	1	
X1002	H1A1256B0017	CRYSTAL	1	
X1005	H0J160500097	CRYSTAL	1	
X1006	H0J327200114	CRYSTAL	1	
X1007	H1C2705B0037	CRYSTAL	1	
X1008	H0J355500001	CRYSTAL	1	
X1009	H1A3335B0038	CRYSTAL	1	
X1010	H1A2505BA044	CRYSTAL	1	
X3000	H0J270500138	CRYSTAL	1	
■ A	**TXN/99VLN1**	**CIRCUIT BOARD (A)**		**EW730 series**
■ A	**TXN/99VLN3**	**CIRCUIT BOARD (A)**		**EX800 series**
A1	K1KA03BA0050	3P CONNECTOR	1	
A2,A3	K1KA04A00667	CONNECTOR	2	
A4,A5	K1KA05A00466	CONNECTOR	2	
A6	K1KA04A00667	CONNECTOR	1	
A8	K1KA04B00273	CONNECTOR	1	
A9	K1KA04A00667	CONNECTOR	1	
A10	K1KA02B00294	CONNECTOR	1	
A12	K1KA02A00787	CONNECTOR	1	
A13	K1KA03A00632	CONNECTOR	1	
A15	K1KY15B00006	15P CONNECTOR	1	
A17	K1KA06BA0107	CONNECTOR	1	
A19	K1KA05AA0104	CONNECTOR(MALE)	1	
A20	K1KA04BA0050	4P CONNECTOR	1	
A21	K1KA13AA0105	PLUG PWB 13P	1	
A22	K1KA07BA0047	CONNECTOR (MALE)	1	
A23	K1KA03A00632	CONNECTOR	1	
A25	K1KA05B00219	CONNECTOR	1	
A26	K1KA02A00787	CONNECTOR	1	
A27	K1KA13A00152	CONNECTOR	1	
A28	K1MN32AA0041	CONNECTOR	1	
A30,31	K1MY57BA0442	SOCKET FPC 57P	2	
A32	K1KA20AA0009	CONNECTOR	1	
A33	K1MY57BA0442	SOCKET FPC 57P	1	
A34	K1KA06A00454	CONNECTOR	1	
A35	K1KA03AA0263	CONNECTOR	1	
A36	K1KA05B00219	CONNECTOR	1	
A37	K1KA04AA0104	CONNECTOR	1	
A38	K1KA20AA0184	CONNECTOR (MALE)	1	
A39	K1KA07A00292	CONNECTOR	1	
A40	K1KA03AA0263	CONNECTOR	1	
A41	K1KA06A00454	CONNECTOR	1	
A42	K1KA08AA0104	CONNECTOR	1	
A43	K1KA04A00667	CONNECTOR	1	
B1001	BCR20V4E	BATTERY HOLDER	1	
C1001-03	F1J1A106A043	C.CAPACITOR CH 10V 10U	3	
C1010-12	F1G1H5R0A692	CAPACITOR	3	
C1013-18	F1G1H100A541	CAPACITOR	6	
C1019,20	F1G1H5R0A692	CAPACITOR	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1021-23	F1J1A106A043	C.CAPACITOR CH 10V 10U	3	
C1024	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1025	F1G1H5R0A692	CAPACITOR	1	
C1026	F1J1C106A059	C.CAPACITOR CH 16V 10U	1	
C1027-29	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1033	F1J1C106A059	C.CAPACITOR CH 16V 10U	1	
C1037-39	F1J1A106A043	C.CAPACITOR CH 10V 10U	3	
C1046-48	F1J1A106A043	C.CAPACITOR CH 10V 10U	3	
C1049-51	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1055	F1J1C106A059	C.CAPACITOR CH 16V 10U	1	
C1059	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1060	F1J1C106A059	C.CAPACITOR CH 16V 10U	1	
C1061	EEEHP1E220P	CAPACITOR	1	
C1062	F1J1C106A059	C.CAPACITOR CH 16V 10U	1	
C1063,64	F1H1H3R0B122	CAPACITOR	2	
C1065	EEEHP1E220P	CAPACITOR	1	
C1066,67	F1H1H3R0B122	CAPACITOR	2	
C1068,69	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	2	
C1070	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	1	
C1071	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1072	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	1	
C1073	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1074	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	1	
C1075	F1J1C106A059	C.CAPACITOR CH 16V 10U	1	
C1078	F1J1C106A059	C.CAPACITOR CH 16V 10U	1	
C1079,80	F1H1H1010005	C.CAPACITOR CH 50V 100P	2	
C1081	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1082	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1083-88	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	6	
C1089	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1092-94	F1J1A106A043	C.CAPACITOR CH 10V 10U	3	
C1096,97	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1098	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1100	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1102	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1103	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1105	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1106	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1107	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1108	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1109	F1H1A225A051	C.CAPACITOR CH 10V 2.2U	1	
C1110-12	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1113	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1114-16	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1117	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1118-22	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	5	
C1123-26	F1J1A106A043	C.CAPACITOR CH 10V 10U	4	
C1127,28	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1129,30	F1J1A106A043	C.CAPACITOR CH 10V 10U	2	
C1131	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1132	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1133,34	F1G1H120A789	CAPACITOR	2	
C1137,38	F1J1A106A043	C.CAPACITOR CH 10V 10U	2	
C1139-47	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	9	
C1149-57	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	9	
C1158	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1159	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1160	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1161	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1162	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1163	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1164	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1165-75	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	11	
C1180,81	F1H1H472A219	C.CAPACITOR CH 50V 4700P	2	
C1182,83	F1J1A106A043	C.CAPACITOR CH 10V 10U	2	
C1184-89	F1H1A2250001	CAPACITOR	6	
C1190	F1L0J107A017	C.CAPACITOR CH 6.3V 100U	1	
C1191,92	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1193	F2G1C221A299	CAPACITOR	1	
C1194	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1195	F2G1C221A299	CAPACITOR	1	
C1196	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1197	F2G1C221A299	CAPACITOR	1	
C1198-00	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1201	F1L0J107A017	C.CAPACITOR CH 6.3V 100U	1	
C1202,03	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1207-09	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1210	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1211-22	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	12	
C1223-26	F1J1A106A043	C.CAPACITOR CH 10V 10U	4	
C1227	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1228	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1229	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1231-33	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1234	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1235,36	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1237	F1G1H120A789	CAPACITOR	1	
C1238,39	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1240	F1G1H120A789	CAPACITOR	1	
C1242	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1243	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1244-46	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1247,48	F1J1A106A043	C.CAPACITOR CH 10V 10U	2	
C1249	F2G0J3300014	E.CAPACITOR CH 6.3V 33U	1	
C1251,52	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1254	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1256	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1257-59	F1J1A106A043	C.CAPACITOR CH 10V 10U	3	
C1260	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1261	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1262	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1263	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1264	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1265	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1266	F1H1A4750004	CAPACITOR	1	
C1267	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1268	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1269,70	F1L3D1020008	C.CAPACITOR CH 2KV 1000P	2	
C1271	F1J2E1030004	CAPACITOR	1	
C1272	F1L3D1020008	C.CAPACITOR CH 2KV 1000P	1	
C1273-75	F1J2E1030004	CAPACITOR	3	
C1276-78	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1279	F1L0J107A017	C.CAPACITOR CH 6.3V 100U	1	
C1280	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1281-89	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	9	
C1290	F1L0J107A017	C.CAPACITOR CH 6.3V 100U	1	
C1291,92	F1G1E1030005	CAPACITOR	2	
C1293,94	F1H1C105A118	CAPACITOR	2	
C1295	F1G1H222A571	C.CAPACITOR CH 50V 2200P	1	
C1296	F1G1E1030005	CAPACITOR	1	
C1297	F1G1H222A571	C.CAPACITOR CH 50V 2200P	1	
C1298	F1H1C105A118	CAPACITOR	1	
C1299	F1G1E1030005	CAPACITOR	1	
C1300,01	F1G1H560A541	CAPACITOR	2	
C1302,03	F1G1H220A541	CAPACITOR	2	
C1304	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1306,07	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	2	
C1309	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	1	
C1311,12	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1313	F1L1C476A049	CAPACITOR	1	
C1314,15	F1G1H4710004	C.CAPACITOR CH 50V 470P	2	
C1316,17	F1G1H220A541	CAPACITOR	2	
C1318	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	1	
C1320	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1321	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1324-26	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	3	
C1327	F1L0J107A017	C.CAPACITOR CH 6.3V 100U	1	
C1328,29	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1330	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	1	
C1331,32	F1G1H4710004	C.CAPACITOR CH 50V 470P	2	
C1333	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	1	
C1334	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1336,37	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1338-40	F1L0J107A017	C.CAPACITOR CH 6.3V 100U	3	
C1341-76	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	36	
C1377	F1L0J107A017	C.CAPACITOR CH 6.3V 100U	1	
C1378-14	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	37	
C1416-18	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1419	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1421	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1423,24	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1426	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1429	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1430	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1432	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1433	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1437	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1438-40	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	3	
C1442	F1G1A105A047	CERAMIC 1U K 10V	1	
C1443	F1H1E105A100	CAPACITOR	1	
C1444	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1445	F1H1A225A051	C.CAPACITOR CH 10V 2.2U	1	
C1446	F1H1E105A100	CAPACITOR	1	
C1447	F1H1E105A126	CAPACITOR	1	
C1448	F1H1E105A100	CAPACITOR	1	
C1449	F1H1A2250001	CAPACITOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1450	F1H1E105A100	CAPACITOR	1	
C1451	F1J1C106A059	C.CAPACITOR CH 16V 10U	1	
C1452	F1H1E105A126	CAPACITOR	1	
C1453,54	F1H1E474A100	CAPACITOR	2	
C1455,56	F2G1E101A185	ELECT 100U M 25V	2	
C1457	F1H1E105A126	CAPACITOR	1	
C1458	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1459,60	F1G1E104A087	CAPACITOR	2	
C1461,62	F1H1E105A100	CAPACITOR	2	
C1465	F1H1C105A118	CAPACITOR	1	
C1466	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1467	F1H1C105A118	CAPACITOR	1	
C1468	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1469,70	F1H1H8R0A980	CAPACITOR	2	
C1471,72	F1H1C105A118	CAPACITOR	2	
C1473	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1474	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1475	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1476	F1H1H1010005	C.CAPACITOR CH 50V 100P	1	
C1477,78	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1479	F1K1C106A116	CAPACITOR	1	
C1480-83	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	4	
C1484,85	F2G0G2210009	E.CAPACITOR CH 4V 220U	2	
C1486	F1J1A106A024	CAPACITOR	1	
C1487,88	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1491-94	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	4	
C1495	F1H1A225A051	C.CAPACITOR CH 10V 2.2U	1	
C1496	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1500	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1501-04	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	4	
C1505	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1506,07	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1508	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1509	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	1	
C1510	F1G1H220A541	CAPACITOR	1	
C1511	F1G1H560A541	CAPACITOR	1	
C1512	F1H1A225A051	C.CAPACITOR CH 10V 2.2U	1	
C1513	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1514	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1515,16	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1517,18	F1G1H101A541	CERAMIC CAPACITOR	2	
C1519	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1520-25	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	6	
C1526	F1H1H1010005	C.CAPACITOR CH 50V 100P	1	
C1528-30	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1531	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1532	F1H1H153A219	C.CAPACITOR CH 50V 0.015U	1	
C1533	F1H1H151A792	C.CAPACITOR CH 50V 150P	1	
C1534	F1G1H220A541	CAPACITOR	1	
C1536	F1G1H820A659	CAPACITOR	1	
C1537	F1G1H100A541	CAPACITOR	1	
C1539	F1G1H100A541	CAPACITOR	1	
C1540	F1G1H150A541	CERAMIC CAPACITOR	1	
C1546	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1547	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1548-50	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1551	F1G1C103A082	CAPACITOR	1	
C1552	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1553	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	1	
C1554-60	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	7	
C1564-69	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	6	
C1573	F1G1E1030005	CAPACITOR	1	
C1574	F1H1C105A118	CAPACITOR	1	
C1575	F1G1H222A571	C.CAPACITOR CH 50V 2200P	1	
C1576-83	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	8	
C1584	F1L0J107A017	C.CAPACITOR CH 6.3V 100U	1	
C1585	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1586	F2G0G2210009	E.CAPACITOR CH 4V 220U	1	
C1587	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1589	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1590	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1591	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1593-01	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	9	
C1602,03	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	2	
C1604	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1605,06	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	2	
C1607	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1608	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1609	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1610	F1G1E1030005	CAPACITOR	1	
C1611	F2G0G1010017	ELECTROLYTIC CAPACITOR,AL	1	
C1613	F1H1C105A118	CAPACITOR	1	
C1614	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1615	F1G1H222A571	C.CAPACITOR CH 50V 2200P	1	
C1616	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1618	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1619	F1G1H220A541	CAPACITOR	1	
C1620,21	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	2	
C1622	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1623	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	1	
C1624,25	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1626	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	1	
C1627-29	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1630	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1631	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1632-43	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	12	
C1644	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1645-56	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	12	
C1657	F1G1E1030005	CAPACITOR	1	
C1658	F1H1C105A118	CAPACITOR	1	
C1659	F1G1H222A571	C.CAPACITOR CH 50V 2200P	1	
C1661	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1663,64	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	2	
C1665	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1666,67	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	2	
C1668	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1669	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1671	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1672	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1673	F2G0G2210009	E.CAPACITOR CH 4V 220U	1	
C1674,75	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1676	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1677	F1G1H471A541	CAPACITOR	1	
C1678-81	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	4	
C1682	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1683,84	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1685	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1686,87	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C1688	F2G0G2210009	E.CAPACITOR CH 4V 220U	1	
C1689	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1690-01	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	12	
C1702	F1H1A225A051	C.CAPACITOR CH 10V 2.2U	1	
C1703	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1704	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1705-08	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	4	
C1709	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1710-12	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1713	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	1	
C1714	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1715-26	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	12	
C1728-30	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C1733-42	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	10	
C1743,44	F1J1C106A059	C.CAPACITOR CH 16V 10U	2	
C1745-48	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	4	
C1749	F1H1H151A792	C.CAPACITOR CH 50V 150P	1	
C1750-55	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	6	
C1756	F2G1E3300010	E.CAPACITOR CH 25V 33U	1	
C1757-60	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	4	
C1761	F2G0J3300014	E.CAPACITOR CH 6.3V 33U	1	
C1762	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1763,64	F1J1C475A170	CERAMIC CAPACITOR,MULTI LATER	2	
C1765	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1770	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1772	F2G0J1010013	E.CAPACITOR CH 6.3V 100U	1	
C1773	F1K1C106A116	CAPACITOR	1	
C1775	F1K1C106A116	CAPACITOR	1	
C1776	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	1	
C1777	F1K1C106A116	CAPACITOR	1	
C1778	F1G1E1030005	CAPACITOR	1	
C1779	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1780	F1H1C105A118	CAPACITOR	1	
C1781	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1782	F1G1E1030005	CAPACITOR	1	
C1783	F1K1C106A116	CAPACITOR	1	
C1784	F1J0J106A020	CERAMIC CAPACITOR,MULTI LAYER	1	
C1785	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1786	F1L1C476A049	CAPACITOR	1	
C1787	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1788	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1789	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	1	
C1791	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1792	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1793	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1794	F1G1H220A541	CAPACITOR	1	
C1795	F1G1H102A808	CAPACITOR	1	
C1796,97	F1G1H4710004	C.CAPACITOR CH 50V 470P	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1798	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1799,00	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	2	
C1801	F1H1E105A126	CAPACITOR	1	
C1803	F2G1E3300010	E.CAPACITOR CH 25V 33U	1	
C1804	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1805	F1K1C106A116	CAPACITOR	1	
C1806	F1K1E1060004	CAPACITOR	1	
C1807	F1H1E105A126	CAPACITOR	1	
C1808	F2G1E3300010	E.CAPACITOR CH 25V 33U	1	
C1809	F1H1C105A118	CAPACITOR	1	
C1810	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1811	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1812-15	F1G1H100A541	CAPACITOR	4	
C1816-33	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	18	
C1834	F1H1E104A029	C.CAPACITOR CH 25V 0.1U	1	
C1835	F2G1E3300010	E.CAPACITOR CH 25V 33U	1	
C1836-39	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	4	
C1840	F1H1E104A029	C.CAPACITOR CH 25V 0.1U	1	
C1841	F1G1H220A541	CAPACITOR	1	
C1842	F1H1E104A029	C.CAPACITOR CH 25V 0.1U	1	
C1843	F1J0J106A020	CERAMIC CAPACITOR,MULTI LAYER	1	
C1844	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1845	F1J0J106A020	CERAMIC CAPACITOR,MULTI LAYER	1	
C1846	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1847	F1G1H100A541	CAPACITOR	1	
C1848	F2G1E3300010	E.CAPACITOR CH 25V 33U	1	
C1849	F1H1E104A029	C.CAPACITOR CH 25V 0.1U	1	
C1850	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1851	F1H1E105A126	CAPACITOR	1	
C1852	F1G1H471A541	CAPACITOR	1	
C1853	F1H1E105A126	CAPACITOR	1	
C1854	F1G1H471A541	CAPACITOR	1	
C1855	F1J1C475A170	CERAMIC CAPACITOR,MULTI LATER	1	
C1856	F1K1E1060004	CAPACITOR	1	
C1857	F1J0J106A020	CERAMIC CAPACITOR,MULTI LAYER	1	
C1858-63	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	6	
C1864	F1G1E104A087	CAPACITOR	1	
C1865,66	F1H1H8R0A980	CAPACITOR	2	
C1867	F1H1H1010005	C.CAPACITOR CH 50V 100P	1	
C1868	F1H1H100A831	CAPACITOR	1	
C1869,70	F1G1H1020008	C.CAPACITOR CH 50V 1000P	2	
C1871	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1872	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1873-75	F1H1A4750004	CERAMIC CAPACITOR,MULTI LATER	3	
C1876-79	F1G1C104A048	CAPACITOR	4	
C1880	F1H1A4750004	CERAMIC CAPACITOR,MULTI LATER	1	
C1881-84	F1G1C104A048	CAPACITOR	4	
C1885	F1H1A4750004	CERAMIC CAPACITOR,MULTI LATER	1	
C1886-89	F1G1H1020008	C.CAPACITOR CH 50V 1000P	4	
C1890	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1891	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C1892	F1G1C104A048	CAPACITOR	1	
C1893	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1894	F1G1C104A048	CAPACITOR	1	
C1895	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1896	F1G1C104A048	CAPACITOR	1	
C1897	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1898	F1G1C104A048	CAPACITOR	1	
C1899	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1900	F1G1C104A048	CAPACITOR	1	
C1901	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1902	F1G1C104A048	CAPACITOR	1	
C1903	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1904	F1G1C104A048	CAPACITOR	1	
C1905	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1906	F1G1C104A048	CAPACITOR	1	
C1907	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1908	F1G1C104A048	CAPACITOR	1	
C1909	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1910	F1G1C104A048	CAPACITOR	1	
C1911	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1912	F1G1C104A048	CAPACITOR	1	
C1913	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1914	F1H1A4750004	CERAMIC CAPACITOR,MULTI LATER	1	
C1915	F1G1C104A048	CAPACITOR	1	
C1916	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1917	F1H1A4750004	CERAMIC CAPACITOR,MULTI LATER	1	
C1918	F1G1C104A048	CAPACITOR	1	
C1919	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1920,21	F1G1C104A048	CAPACITOR	2	
C1922	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1923,24	F1G1C104A048	CAPACITOR	2	
C1925	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C1926	F1G1C104A048	CAPACITOR	1	
C1927	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	1	
C1928	F1G1C104A048	CAPACITOR	1	
C1929	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1930,31	F1G1C104A048	CAPACITOR	2	
C1932	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1933	F1H1C105A118	CAPACITOR	1	
C1934	F1H1A4750004	CERAMIC CAPACITOR,MULTI LATER	1	
C1935,36	F1G1C104A048	CAPACITOR	2	
C1937	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1938	F1G1H222A571	C.CAPACITOR CH 50V 2200P	1	
C1939	F1H1A4750004	CERAMIC CAPACITOR,MULTI LATER	1	
C1940,41	F1G1C104A048	CAPACITOR	2	
C1942	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1943	F1G1C104A048	CAPACITOR	1	
C1944	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1945	F1G1C104A048	CAPACITOR	1	
C1946	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1947	F1G1C104A048	CAPACITOR	1	
C1948	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1949	F1G1C104A048	CAPACITOR	1	
C1950	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1951	F1G1C104A048	CAPACITOR	1	
C1952	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1953	F1G1C104A048	CAPACITOR	1	
C1954	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1955	F1G1C104A048	CAPACITOR	1	
C1956	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1957	F1G1C104A048	CAPACITOR	1	
C1958	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1959	F1G1C104A048	CAPACITOR	1	
C1960	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1961	F1G1C104A048	CAPACITOR	1	
C1962	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1963	F1G1C104A048	CAPACITOR	1	
C1964	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1965	F1G1C104A048	CAPACITOR	1	
C1966-68	F1G1H1020008	C.CAPACITOR CH 50V 1000P	3	
C1970	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1971	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1972	F1G1C104A048	CAPACITOR	1	
C1973	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1974	F1G1H220A541	CAPACITOR	1	
C1975	F1G1C104A048	CAPACITOR	1	
C1976	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1977	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	1	
C1978,79	F1G1H1020008	C.CAPACITOR CH 50V 1000P	2	
C1980	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	1	
C1981	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1982,83	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	2	
C1984	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C1985	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C1986-89	F1H1A4750004	CERAMIC CAPACITOR,MULTI LATER	4	
C1990	F1G1H270A541	CERAMIC CAPACITOR	1	
C1991	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1992	F1G1C104A048	CAPACITOR	1	
C1993	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1994	F1G1C104A048	CAPACITOR	1	
C1995	F1G1H270A541	CERAMIC CAPACITOR	1	
C1996	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1997	F1G1C104A048	CAPACITOR	1	
C1998	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C1999,00	F1G1C104A048	CAPACITOR	2	
C2001	F1G1H270A541	CERAMIC CAPACITOR	1	
C2002	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2003	F1G1C104A048	CAPACITOR	1	
C2004	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2005,06	F1G1C104A048	CAPACITOR	2	
C2007	F1G1H270A541	CERAMIC CAPACITOR	1	
C2008	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2009	F1G1C104A048	CAPACITOR	1	
C2010	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2011	F1G1C104A048	CAPACITOR	1	
C2012	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2013	F1G1H270A541	CERAMIC CAPACITOR	1	
C2014	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2015	F1G1C104A048	CAPACITOR	1	
C2016	F1G1H270A541	CERAMIC CAPACITOR	1	
C2017	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2018	F1G1C104A048	CAPACITOR	1	
C2019	F1G1E1030005	CAPACITOR	1	
C2020	F1G1H270A541	CERAMIC CAPACITOR	1	
C2021	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2022	F1G1C104A048	CAPACITOR	1	
C2023	F1G1H270A541	CERAMIC CAPACITOR	1	
C2024	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2025	F1G1C104A048	CAPACITOR	1	
C2026	F1H1C105A118	CAPACITOR	1	
C2027	F1G1H270A541	CERAMIC CAPACITOR	1	
C2028	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2029	F1G1C104A048	CAPACITOR	1	
C2030	F1G1E1030005	CAPACITOR	1	
C2031	F1G1H270A541	CERAMIC CAPACITOR	1	
C2032	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2033	F1G1C104A048	CAPACITOR	1	
C2034	F1G1H270A541	CERAMIC CAPACITOR	1	
C2035	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2036	F1G1C104A048	CAPACITOR	1	
C2037	F1L1C476A049	CAPACITOR	1	
C2038	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	1	
C2040	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C2041	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C2043-46	F1H1A4750004	CERAMIC CAPACITOR,MULTI LATER	4	
C2047	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2048	F1G1C104A048	CAPACITOR	1	
C2049	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C2050	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2051	F1G1C104A048	CAPACITOR	1	
C2052	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2053	F1G1C104A048	CAPACITOR	1	
C2054	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	1	
C2055	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2056	F1G1C104A048	CAPACITOR	1	
C2057	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2058	F1G1C104A048	CAPACITOR	1	
C2059	F1J0J2260004	C.CAPACITOR CH 6.3V 22U	1	
C2060	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2061	F1G1C104A048	CAPACITOR	1	
C2062	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2063	F1G1C104A048	CAPACITOR	1	
C2064	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2065	F1G1C104A048	CAPACITOR	1	
C2066	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2067	F1G1C104A048	CAPACITOR	1	
C2068	F1L0J107A017	C.CAPACITOR CH 6.3V 100U	1	
C2069,70	F1H1A4750004	CERAMIC CAPACITOR,MULTI LATER	2	
C2071	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2072	F1G1C104A048	CAPACITOR	1	
C2073	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2074	F1G1C104A048	CAPACITOR	1	
C2075	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2076	F1G1C104A048	CAPACITOR	1	
C2077	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2078-81	F1G1C104A048	CAPACITOR	4	
C2082	F1J0J106A013	CAPACITOR	3	
C2083-84	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C2085	F1G1C104A048	CAPACITOR	3	
C2086	F1G1E104A087	CERAMIC 0.1U Z 25V	3	
C2087-88	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C2089	F1J0J106A013	CAPACITOR	1	
C2093	F1G1C104A048	CAPACITOR	1	
C2094	F1H1C105A118	CAPACITOR	1	
C2101	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	1	
C2102-04	F1G1C104A048	CAPACITOR	3	
C2106-08	F1G1H330A541	CERAMIC CAPACITOR	3	
C2110	F1H1C105A118	CAPACITOR	1	
C2116	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	1	
C2117	F1G1C104A048	CAPACITOR	1	
C2118	F1H1H223A219	CAPACITOR	1	
C2119	F1G1C104A048	CAPACITOR	1	
C2125	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2131,32	F1G1H1020008	C.CAPACITOR CH 50V 1000P	2	
C2133,34	F1H1H223A219	CAPACITOR	2	
C2140	F1G1H4700003	CAPACITOR	1	
C2145	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2146,47	F1H1H223A219	CAPACITOR	2	
C2152	F1G1H4700003	CAPACITOR	3	
C2155	F1J1C106A059	C.CAPACITOR CH 16V 10U	3	
C2163-65	F1G1C104A048	CAPACITOR	3	
C2166	F1H1H223A219	CAPACITOR	1	
C2167	F1G1C104A048	CAPACITOR	1	
C2168	F1H1H223A219	CAPACITOR	1	
C2176	F1J1C106A059	C.CAPACITOR CH 16V 10U	3	
C2185	F1G1C104A048	CAPACITOR	1	
C2186,87	F1H1H223A219	CAPACITOR	2	
C2188	F1G1C104A048	CAPACITOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C2189	F1H1H223A219	CAPACITOR	1	
C2190	F1G1C104A048	CAPACITOR	1	
C2191	F1H1H223A219	CAPACITOR	1	
C2200	F1G1C104A048	CAPACITOR	1	
C2205-07	F1H1C105A118	CAPACITOR	3	
C2215-17	F1G1C104A048	CAPACITOR	1	
C2218	F1H1H223A219	CAPACITOR	1	
C2224	F1H1C105A118	CAPACITOR	1	
C2230-31	F1H1H223A219	CAPACITOR	2	
C2232	F1G1C104A048	CAPACITOR	1	
C2233	F1H1H223A219	CAPACITOR	1	
C2239	F1G1C104A048	CAPACITOR	1	
C2242	F1G1C104A048	CAPACITOR	1	
C2245	F1L1C2260011	CAPACITOR	1	
C2248	F1L1C2260011	CAPACITOR	1	
C2260	F1G1H1020008	C.CAPACITOR CH 50V 1000P	1	
C2261	F1H1C105A097	CAPACITOR	1	
C2274-76	F1G1E104A087	CAPACITOR	3	
C2277-79	F1K1E1060004	CAPACITOR	3	
C2280-82	F1G1E104A087	CAPACITOR	3	
C2283	F1K1E1060004	CAPACITOR	1	
C2284	F1G1E104A087	CAPACITOR	1	
C2285,86	F1K1E1060004	CAPACITOR	2	
C2287,88	F1G1E104A087	CAPACITOR	2	
C2289-91	F1K1E1060004	CAPACITOR	3	
C2298-00	F1J1A106A043	C.CAPACITOR CH 10V 10U	3	
C2301-03	F1G1E104A087	CAPACITOR	3	
C2304,05	F1G1C104A048	CAPACITOR	2	
C2306-08	F1H1E474A100	CAPACITOR	3	
C2309	F1G1C104A048	CAPACITOR	1	
C2310-12	F1J1C106A059	C.CAPACITOR CH 16V 10U	3	
C2313-18	F1G1C104A048	CAPACITOR	6	
C2319-21	F1G1E104A087	CAPACITOR	3	
C2322-24	F1H1E474A100	CAPACITOR	3	
C2325-27	F1G1E104A087	CAPACITOR	3	
C2328-30	F1H1E474A100	CAPACITOR	3	
C2332	F1H1H103A219	C.CAPACITOR CH 50V 0.01U	1	
C2333	F1H1E104A029	C.CAPACITOR CH 25V 0.1U	1	
C2334	F1H1H103A219	C.CAPACITOR CH 50V 0.01U	1	
C2335,36	F1J1E475A182	CERAMIC CAPACITOR,MULTI	2	
C2337,38	F1G1H4710004	C.CAPACITOR CH 50V 470P	2	
C2339,40	F1K1E1060004	CAPACITOR	2	
C2341	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C2344	F1K1E1060004	CAPACITOR	1	
C2347	F1H1E105A126	CAPACITOR	1	
C2348	F1G1H471A541	CAPACITOR	1	
C2349	F1K1E1060004	CAPACITOR	1	
C2350	F1G1H471A541	CAPACITOR	1	
C2351	F1H1E105A126	CAPACITOR	1	
C2352	F1K1E1060004	CAPACITOR	1	
C2353,54	F1G1H471A541	CAPACITOR	2	
C2355	F1K1E1060004	CAPACITOR	1	
C2358	F1K1E1060004	CAPACITOR	1	
C2361	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C2364	F1G1H4710004	C.CAPACITOR CH 50V 470P	1	
C2365	F1G1H471A541	CAPACITOR	1	
C2366	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C2367	F1J1C475A170	CERAMIC CAPACITOR,MULTI LATER	1	
C2368	F1G1H471A541	CAPACITOR	1	
C2369,70	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	2	
C2371	F1K1E4750002	C.CAPACITOR CH 25V 4.7U	1	
C2376	F1G1E1030005	CAPACITOR	1	
C2378	F1J1C475A170	CERAMIC CAPACITOR,MULTI LATER	1	
C2379-83	F1G1H471A541	CAPACITOR	5	
C2386,87	F1G1H100A541	CAPACITOR	2	
C2388-02	F1G1H471A541	CAPACITOR	15	
C2403-06	F1G1H100A541	CAPACITOR	4	
C2407,08	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C2409	F1G1E1030005	CAPACITOR	1	
C2432	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C2433-35	F1H1C104A041	CAPACITOR	3	
C2437	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C2438	F1G1C1030008	C.CAPACITOR CH 16V 0.01U	1	
C2439-47	F1G1H1020008	C.CAPACITOR CH 50V 1000P	9	
C2538	F1G1C104A048	CAPACITOR	1	
C2539	F1H1H223A219	CAPACITOR	1	
C2540	F1G1C104A048	CAPACITOR	1	
C2541	F1H1H223A219	CAPACITOR	1	
C3000	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3001	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C3002	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3003	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C3005-07	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
C3008	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C3009	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3010	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C3011,12	F1G1H220A541	CAPACITOR	2	
C3013,14	F1G1H100A541	CAPACITOR	2	
C3015-17	F1H1E474A100	CAPACITOR	3	
C3018-31	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	14	
C3032-36	F1J1A106A043	C.CAPACITOR CH 10V 10U	5	
C3037	F1G1H100A541	CAPACITOR	1	
C3038	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3039,40	F1H1E474A100	CAPACITOR	2	
C3041	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C3042-46	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	5	
C3047	F1G1H220A541	CAPACITOR	1	
C3048,49	F1J1A106A043	C.CAPACITOR CH 10V 10U	2	
C3050	F1H1C105A118	CAPACITOR	1	
C3051-53	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	3	
C3055	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3056	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C3058	F1H1C105A118	CAPACITOR	1	
C3059	F1L1C476A049	CAPACITOR	1	
D1001-03	D4ED1270A008	VARISTOR	3	
D1004	B0JCAE000001	DIODE	1	
D1005	B0JCGD000002	DIODE	1	
D1006-09	D4ED11200005	VARISTOR	4	
D1010	B0BC5R600003	DIODE	1	
D1011-13	D4ED1270A008	VARISTOR	3	
D1014,15	B0BC5R600003	DIODE	2	
D1016,17	B0ADCJ000015	DIODE	2	
D1018,19	B0JCAE000001	DIODE	2	
D1020,21	B0ADCJ000015	DIODE	2	
D1022,23	B0JCAE000001	DIODE	2	
D1024,25	B0BC6R100010	DIODE	2	
D1026-29	B0JCAE000001	DIODE	4	
D1030,31	B0BC6R100010	DIODE	2	
D1034-37	B0JCAE000001	DIODE	4	
D1038-47	B0ZBZ0000158	DIODE	10	
D1049,50	D4ED11200005	VARISTOR	2	
D1051-53	D4ED1270A008	VARISTOR	3	
D1054-58	B0ZBZ0000158	DIODE	5	
D1059	B0JCGD000002	DIODE	1	
D1060,61	B0ZBZ0000158	DIODE	2	
D1062	B0JCAE000001	DIODE	1	
D1063-65	B0ZBZ0000158	DIODE	3	
D1066	B0BC5R600003	DIODE	1	
D1067-78	B0ZBZ0000156	DIODE	12	
D1080	B0JCGD000002	DIODE	1	
D1081-84	B3ABB0000035	LED	4	
D1088,89	B0ADCJ000015	DIODE	2	
D1090	B0JCME000087	DIODE	1	
D1091	B3AAB0000038	DIODE	1	
D1095	B0JCPE000048	DIODE	1	
D1096,97	B0ADCJ000015	DIODE	2	
D1101-05	B0BC013A0007	DIODE	5	
D1106	DZ2J150M0L	DIODE	1	
D1107-10	D4ED11200005	VARISTOR	4	
D1111	DA2S10100L	DIODE	1	
D1112-15	B0BC5R600003	DIODE	4	
D1116	DZ2J150M0L	DIODE	1	
D2300	B0JCPD000026	DIODE	1	
D3000-10	B0ZBZ0000158	DIODE	11	
FL1001-04	J0HABC000009	EMI FILTER	4	
FL1006,07	J0HABC000009	EMI FILTER	2	
FL1008-12	F1J1E104A148	FILTER	5	
IC1001	C3EBCC000052	IC	1	
IC1002	C0JBAR000582	IC	1	
IC1003	C1AB00000647	IC	1	
IC1004	C1AB00003211	IC	1	
IC1005,06	C0JBAU000087	IC	2	
IC1007	C0DBEYY00197	IC	1	
IC1008,09	C0DBEYY00175	IC	2	
IC1010	C0DBEYY00197	IC	1	
IC1012	C1AB00002978	IC	1	
IC1013	C0DBEYY00175	IC	1	
IC1014	C3EBDC000067	IC	1	
IC1015	C0JBAS000206	IC	1	
IC1016	C1AB00002966	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
IC1017	C0DBEYY00175	IC	1	
IC1018	C0DBEYY00197	IC	1	
IC1019	TVRT447	IC	1	
IC1020	C0EBY0001267	IC	1	
IC1021,22	C0DBAYY01285	IC	2	
IC1023	C0DBAYY01283	IC	1	
IC1024	C0EBY0001267	IC	1	
IC1026	TVRT444	IC	1	
IC1028	C1AB00003736	IC	1	
IC1029	C1AB00002428	IC	1	
IC1030	TVRT445AA	IC	1	
IC1031	C0EBY0001267	IC	1	
IC1032	C0JBAA000377	IC	1	
IC1033	C0JBAU000087	IC	1	
IC1034	C0JBAB000621	IC	1	
IC1035	C0JBAU000087	IC	1	
IC1036	C0JBAB000621	IC	1	
IC1037	L2EM00000015	IC	1	
IC1039	C0JBAZ002332	IC	1	
IC1040	C0JBAS000206	IC	1	
IC1041	C3EBMY000006	IC	1	
IC1043	TVRT442AA	IC	1	EW730
IC1043	TVRT441AA	IC	1	EX800
IC1045-47	C0DBAYY01285	IC	3	
IC1048,49	C0DBEYY00197	IC	2	
IC1050	C0ABBA000229	IC	1	
IC1051	C0DBGGD00109	IC	1	
IC1052	C0DBAYY01283	IC	1	
IC1053	C0DBGYY02198	IC	1	
IC1054	C0DBGYY02646	IC	1	
IC1055,56	C0JBAB000621	IC	2	
IC1057-59	C0GBD0000010	IC	3	
IC1060,61	C0GBG0000032	IC	2	
IC1062	C0CBCYG00004	IC	1	
IC1063	C0GBY0000127	IC	1	
IC1064	C0CBCYG00004	IC	1	
IC1065	C0DBGYY02198	IC	1	
IC1066	C0DBEYY00197	IC	1	
IC1067	C0DBAYY01285	IC	1	
IC1068	C0DBAYY01283	IC	1	
IC1069	C0JBAS000258	IC	1	
IC1070-72	C0JBAA000601	IC	3	
IC1073	C0DBAYY00699	IC	1	
IC1074	C0DBEYY00146	IC	1	
IC1075	C0DBEYY00197	IC	1	
IC1078	C0CBCYG00004	IC	1	
IC1079	C0CBBYY00001	IC	1	
IC1080	C1ZBZ0004310	IC	1	
IC1100	C1AB00003048	IC	1	
IC1101	C1CB00003774	IC	1	
IC1102	C1AB00003190	IC	1	
IC1103	C1ZBZ0005180	IC	1	
IC1104	C1AB00004139	IC	1	
IC1108,09	C3ABSY000090	IC	2	
IC1110	C0DBEYY00197	IC	1	
IC3000	C0DBEYY00197	IC	1	
IC3001	C1AB00004159	IC	1	
IC3002	C0DBEYY00175	IC	1	
IC3003	TVRT446	IC	1	
IC3004,05	C0JBAZ002390	IC	2	
IC3006	C0DBZYY00367	IC	1	
JK1001	K1QYY1YB0085	JACK	1	
JK1002	K1QYY4YB0005	CONNECTOR (RGB IN)	1	
JK1003	K1FY115BA080	TERMINAL(ANALOG)	1	
JK1004	K1FY119E0059	CONNECTOR (HDMI IN)	1	
JK1005	K1FY115BA081	CONNECTOR (RGB OUT)	1	
JK1006	K1FY124BA077	TERMINAL(DVI)	1	
JK1007	K2HA108B0003	CONNECTOR (LAN)	1	
JK1008	K1FY120E0008	CONNECTOR (DisplayPort IN)	1	
JS1001,02	ERJ6GEY0R00V	M 0 OHM, 1/10W	2	
JS1004	ERJ6GEY0R00V	M 0 OHM, 1/10W	1	
L1001,02	J0JHC0000078	EMI FILTER	2	
L1003-08	G1C33NJA0128	INDUCTOR	6	
L1009-12	J0JHC0000078	EMI FILTER	4	
L1013	G1C100K00031	INDUCTOR	1	
L1014	J0JJC0000022	EMI FILTER	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L1015,16	J0JHC0000078	EMI FILTER	2	
L1017	J0JJC0000022	EMI FILTER	1	
L1018	J0JCC0000168	EMI FILTER	1	
L1019,20	EXC28CH900	COIL	2	
L1023-27	J0JHC0000078	EMI FILTER	5	
L1030	J0JBC0000099	EMI FILTER	1	
L1031-34	J0JHC0000078	EMI FILTER	4	
L1035	J0JCC0000168	EMI FILTER	1	
L1036-39	J0JHC0000078	EMI FILTER	4	
L1040,41	EXC28CH900	COIL	2	
L1044	J0JBC0000099	EMI FILTER	1	
L1045-48	J0JHC0000078	EMI FILTER	4	
L1049	G1C100MA0072	INDUCTOR	1	
L1050-52	J0JJC0000022	EMI FILTER	3	
L1053,54	J0JBC0000116	EMI FILTER	2	
L1055	J0JJC0000022	EMI FILTER	1	
L1056,57	G1C4R7ZA0240	INDUCTOR	2	
L1058	G1C4R7ZA0119	INDUCTOR	1	
L1059-62	J0JJC0000022	EMI FILTER	4	
L1063,64	G1A330FA0007	COIL	2	
L1065	J0JYC0000023	EMI FILTER	1	
L1066-69	J0JJC0000022	EMI FILTER	4	
L1070	J0JBC0000116	EMI FILTER	1	
L1071	J0JJC0000022	EMI FILTER	1	
L1072	J0JYC0000024	EMI FILTER	1	
L1073	J0JYC0000066	EMI FILTER	1	
L1074,75	J0JBC0000080	EMI FILTER	2	
L1076	J0JJC0000022	EMI FILTER	1	
L1077	J0JYC0000024	EMI FILTER	1	
L1079	J0JJC0000022	EMI FILTER	1	
L1080	G1C4R7ZA0240	INDUCTOR	1	
L1081,82	J0JJC0000022	EMI FILTER	2	
L1083	G1C4R7ZA0240	INDUCTOR	1	
L1084	J0JJC0000022	EMI FILTER	1	
L1085	G1C4R7ZA0240	INDUCTOR	1	
L1086,87	J0JJC0000022	EMI FILTER	2	
L1088,89	J0JCC0000168	EMI FILTER	2	
L1090	J0JYC0000024	EMI FILTER	1	
L1091	J0JHC0000078	EMI FILTER	1	
L1092,93	J0JCC0000168	EMI FILTER	2	
L1094	J0JHC0000078	EMI FILTER	1	
L1095	J0JHC0000080	EMI FILTER	1	
L1096-98	J0JHC0000078	EMI FILTER	3	
L1099	J0JHC0000080	EMI FILTER	1	
L1100	J0JHC0000078	EMI FILTER	1	
L1101	J0JHC0000077	EMI FILTER	1	
L1102	J0JHC0000078	EMI FILTER	1	
L1103	J0JHC0000080	EMI FILTER	1	
L1104	J0JHC0000078	EMI FILTER	1	
L1105	J0JHC0000077	EMI FILTER	1	
L1106	J0JHC0000078	EMI FILTER	1	
L1107	J0JHC0000080	EMI FILTER	1	
L1108	J0JHC0000078	EMI FILTER	1	
L1109	J0JHC0000077	EMI FILTER	1	
L1110	J0JHC0000078	EMI FILTER	1	
L1111,12	J0JHC0000080	EMI FILTER	2	
L1113,14	J0JHC0000078	EMI FILTER	2	
L1115,16	J0JHC0000077	EMI FILTER	2	
L1117,18	J0JHC0000078	EMI FILTER	2	
L1119,20	J0JHC0000080	EMI FILTER	2	
L1121,22	J0JHC0000078	EMI FILTER	2	
L1123,24	J0JHC0000077	EMI FILTER	2	
L1125,26	J0JHC0000078	EMI FILTER	2	
L1127	J0JCC0000168	EMI FILTER	1	
L1128	J0JJC0000022	EMI FILTER	1	
L1129	J0JBC0000116	EMI FILTER	1	
L1130,31	J0JCC0000168	EMI FILTER	2	
L1132	J0JYC0000024	EMI FILTER	1	
L1135-39	J0JJC0000022	EMI FILTER	5	
L1140	J0JYC0000024	EMI FILTER	1	
L1141	J0JJC0000022	EMI FILTER	1	
L1142	G1C4R7ZA0119	INDUCTOR	1	
L1143	J0JHC0000078	EMI FILTER	1	
L1144-49	J0JJC0000022	EMI FILTER	6	
L1150-65	J0JCC0000168	EMI FILTER	16	
L1166	J0JYC0000023	EMI FILTER	1	
L1167	J0JJC0000022	EMI FILTER	1	
L1168-72	J0JCC0000168	EMI FILTER	5	
L1173,74	J0JYC0000024	EMI FILTER	2	
L1175-07	J0JCC0000168	EMI FILTER	33	
L1208	J0JBC0000086	FILTER	1	
L1209,10	J0JCC0000168	EMI FILTER	2	
L1212,13	J0JCC0000168	EMI FILTER	2	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
L1214	J0JJC0000022	EMI FILTER	1	
L1215-21	J0JYC0000024	EMI FILTER	7	
L1222	G1C4R7ZA0240	INDUCTOR	1	
L1223	J0JJC0000022	EMI FILTER	1	
L1224-26	J0JYC0000024	EMI FILTER	3	
L1227	J0JJC0000022	EMI FILTER	1	
L1228-30	J0JYC0000024	EMI FILTER	3	
L1231	G1C4R7ZA0119	INDUCTOR	1	
L1232-34	J0JCC0000168	EMI FILTER	3	
L1242-46	J0JYC0000024	EMI FILTER	5	
L1251-54	J0JYC0000024	EMI FILTER	4	
L1257-59	J0JBC0000098	EMI FILTER	3	
L1265-70	J0JYC0000024	EMI FILTER	6	
L1277-91	J0JYC0000024	EMI FILTER	15	
L1292	G1C100MA0234	INDUCTOR	1	
L1293	J0JJC0000022	EMI FILTER	1	
L1299	J0JJC0000022	EMI FILTER	1	
L1302	J0JJC0000022	EMI FILTER	1	
L1303	J0JYC0000024	EMI FILTER	1	
L1305	J0JCC0000244	FILTER	1	
L1306	J0JYC0000066	EMI FILTER	1	
L1307	J0JJC0000022	EMI FILTER	1	
L1308-11	J0JBC0000116	EMI FILTER	4	
L1320-22	G1C18NJA0128	INDUCTOR	3	
L1323-25	G1C33NJA0128	INDUCTOR	3	
L3001,02	EXC28CH900U	COIL	2	
L3003-12	J0JHC0000078	EMI FILTER	10	
L3013	J0JJC0000022	EMI FILTER	1	
L3014	J0JHC0000078	EMI FILTER	1	
Q1001-06	DSC5G03S0L	TRANSISTOR	6	
Q1007,08	B1GBCFJJ0007	TRANSISTOR	2	
Q1009,10	B1ABDF000018	TRANSISTOR	2	
Q1011,12	B1GBCFJJ0007	TRANSISTOR	2	
Q1013-16	B1ABDF000018	TRANSISTOR	4	
Q1017	B1GBCFJJ0007	TRANSISTOR	1	
Q1018	B1GDCFJJ0008	TRANSISTOR	1	
Q1019	B1GBCFJJ0007	TRANSISTOR	1	
Q1020-23	B1ABDF000018	TRANSISTOR	4	
Q1024,25	B1ABBC000027	TRANSISTOR	2	
Q1026	B1GBCFJJ0007	TRANSISTOR	1	
Q1028-30	B1GBCFJJ0007	TRANSISTOR	3	
Q1032	B1GBCFJJ0007	TRANSISTOR	1	
Q1033	B1GDCFJJ0008	TRANSISTOR	1	
Q1034	B1GBCFJJ0007	TRANSISTOR	1	
Q1035,36	B1CBHD000001	TRANSISTOR	2	
Q1037	B1GBCFJJ0007	TRANSISTOR	1	
Q1038	B1ADCE000013	TRANSISTOR	1	
Q1039	B1GBCFJJ0007	TRANSISTOR	1	
Q1041	B1GBCFJJ0007	TRANSISTOR	1	
Q1042	B1ABDF000018	TRANSISTOR	1	
Q1045,46	B1ABDF000018	TRANSISTOR	2	
Q1047	B1CHRC000024	TRANSISTOR	1	
Q1048	B1GBCFLL0039	TRANSISTOR	1	
Q1057,58	B1CHQD000008	TRANSISTOR	2	
Q1059,60	B1CBHD000001	TRANSISTOR	2	
Q1061,62	B1GBCFLM0003	TRANSISTOR	2	
Q1070-75	B1ABDF000018	TRANSISTOR	6	
Q1076	B1CHQD000008	TRANSISTOR	1	
Q1077,78	B1GBCFLM0003	TRANSISTOR	2	
Q1081	B1ABDF000018	TRANSISTOR	1	
Q1083	B1GDCFJJ0008	TRANSISTOR	1	
Q1085	B1GDCFJJ0008	TRANSISTOR	1	
Q1086	B1ABCF000098	TRANSISTOR	1	
Q1088	B1GBCFLM0003	TRANSISTOR	1	
Q1102-05	B1GBCFLM0003	TRANSISTOR	4	
Q1106	B1CHQD000008	TRANSISTOR	1	
Q1107	B1GBCFLM0003	TRANSISTOR	1	
Q1109	B1ABCF000098	TRANSISTOR	1	
Q1110	B1GBCFLM0003	TRANSISTOR	1	
Q2300,01	B1GBCFLM0003	TRANSISTOR	2	
R007	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R008	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1002	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1003	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1004	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1005	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1006	ERJ2GEJ103	M 10K OHM, 0.063W	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1007	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1008-10	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R1011	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1012	ERJ3EKF1500	METAL FILM OXIDE RESISTOR	1	
R1013	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1014	ERJ3EKF1500	METAL FILM OXIDE RESISTOR	1	
R1015	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1016	ERJ3EKF1500	METAL FILM OXIDE RESISTOR	1	
R1017-19	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R1020,21	ERJ3GEYJ102	RESISTOR	2	
R1025-30	ERJ6ENF10R0	METAL FILM RESISTOR,0.1W	6	
R1031,32	ERJ3GEYJ102	RESISTOR	2	
R1035-38	ERJ2GEJ680	M 68 OHM, 0.063W	4	
R1040-43	ERJ2GEJ680	M 68 OHM, 0.063W	4	
R1044-49	ERJ6ENF10R0	METAL FILM RESISTOR,0.1W	6	
R1050	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1051-56	ERJ6ENF1000	METAL FILM RESISTOR,0.1W	6	
R1059	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1060	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1061	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R1062	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1063	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1064	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1065	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1066-71	ERJ6ENF1000	METAL FILM RESISTOR,0.1W	6	
R1072-74	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R1075	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1077	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1078	ERJ3EKF1500	METAL FILM OXIDE RESISTOR	1	
R1079	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1080	ERJ3EKF1500	METAL FILM OXIDE RESISTOR	1	
R1081	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1082	ERJ3EKF1500	METAL FILM OXIDE RESISTOR	1	
R1083-85	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R1089-95	ERJ2GEJ101	M 100 OHM, 0.063W	7	
R1097,98	ERJ2GEJ472	M 4.7K OHM, 0.063W	2	
R1099	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R1100,01	ERJ3GEYJ105	M 1M OHM,J,1/16W	2	
R1102	ERJ3GEYJ222	M 2.2K OHM,J,1/16W	1	
R1103	ERJ3GEYJ621	MT-GLAZE 620 JA 1/10W	1	
R1104	ERJ3GEYJ102	RESISTOR	1	
R1105	ERJ3GEYJ821	M 820 OHM,J,1/16W	1	
R1106	ERJ3GEYJ332	M 3.3K OHM,J,1/16W	1	
R1107	ERJ3GEYJ272	M 2.7K OHMJ,J1/16W	1	
R1108,09	ERJ3GEYJ471	M 470 OHM,J,1/16W	2	
R1110	ERJ3GEYJ105	M 1M OHM,J,1/16W	1	
R1111	ERJ3GEYJ222	M 2.2K OHM,J,1/16W	1	
R1112	ERJ3GEYJ105	M 1M OHM,J,1/16W	1	
R1113	ERJ3GEYJ621	MT-GLAZE 620 JA 1/10W	1	
R1114	ERJ3GEYJ102	RESISTOR	1	
R1115	ERJ3GEYJ821	M 820 OHM,J,1/16W	1	
R1116	ERJ3GEYJ332	M 3.3K OHM,J,1/16W	1	
R1117	ERJ3GEYJ272	M 2.7K OHMJ,J1/16W	1	
R1118,19	ERJ3GEYJ100	M 10 OHM,J,1/16W	2	
R1120,21	ERJ3GEYJ471	M 470 OHM,J,1/16W	2	
R1122	ERJ3GEYJ100	M 10 OHM,J,1/16W	1	
R1123,24	ERJ3GEYJ271	M 270 OHM,J,1/16W	2	
R1125,26	ERJ3GEYJ682	M 6.8K OHM,J,1/16WV	2	
R1127,28	ERJ3GEYJ331	M 330 OHM,J,1/16W	2	
R1129-31	ERJ3GEYJ100	M 10 OHM,J,1/16W	3	
R1132,33	ERJ3GEYJ471	M 470 OHM,J,1/16W	2	
R1134,35	ERJ3GEYJ102	RESISTOR	2	
R1136	ERJ3GEYJ471	M 470 OHM,J,1/16W	1	
R1137	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R1138-43	ERJ3GEYJ750	RESISTOR	6	
R1144,45	ERJ3GEYJ103	RESISTOR	2	
R1146,47	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	2	
R1148	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1149-52	ERJ3EKF3900	RESISTOR	4	
R1153	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R1154-61	ERJ2GEJ3R0	RESISTOR	8	
R1162	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1163	ERJ3GEYJ102	RESISTOR	1	
R1164	ERJ3GEYJ393	RESISTOR	1	
R1165	ERJ3GEYJ103	RESISTOR	1	
R1167	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1168	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1169,70	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R1173	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R1174	ERJ3EKF3162	RESISTOR	1	
R1175	ERJ3EKF1002	M 10K OHM, 1/16W	1	
R1176	ERJ3GEYJ103	RESISTOR	1	
R1177-84	ERJ2GE0R00	M 0 OHM, 0.063W	8	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1185	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R1186,87	ERJ2GEJ472	M 4.7K OHM, 0.063W	2	
R1188,89	ERJ2GEJ100	M 10 OHM, 0.063W	2	
R1190-92	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R1195,96	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R1197	ERJ3EKF3002	RESISTOR	1	
R1198	ERJ3EKF2402	RESISTOR	1	
R1199	ERJ3EKF3002	RESISTOR	1	
R1200	ERJ3EKF2402	RESISTOR	1	
R1201	ERJ3EKF3162	RESISTOR	1	
R1202	ERJ3EKF1002	M 10K OHM, 1/16W	1	
R1203,04	ERJ2GEJ103	M 10K OHM, 0.063W	2	
R1205	ERJ3EKF4990	M 499 OHM, 1/16W	1	
R1207-15	EXB28V220J	RESISTOR ARRAY 22 OHM	9	
R1216	EXB28V560J	RESISTOR ARRAY 56 OHM	1	
R1217	ERJ2GEJ330	RESISTOR	1	
R1218	ERJ2GEJ560	M 56 OHM, 0.063W	1	
R1219	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1221	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1222	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1223,24	ERJ2GEJ103	M 10K OHM, 0.063W	2	
R1225,26	EXB28V330J	RESISTOR ARRAY 33 OHM	2	
R1227	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1229	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1230-32	ERJ2GEJ331	M 330 OHM, 0.063W	3	
R1233	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1234	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1235	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R1237	ERJ3EKF2002	RESISTOR	1	
R1238,39	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R1240	ERJ3EKF2001	M 2K OHM, 1/16W	1	
R1246	ERJ3GEYJ102	RESISTOR	1	
R1248	ERJ3GEYJ102	RESISTOR	1	
R1252,53	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R1254-56	ERJ2GEJ121	MT-GLAZE 120 JA 1/16W	3	
R1257-59	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R1262,63	ERJ3EKF1002	M 10K OHM, 1/16W	2	
R1265	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R1266,67	ERJ2GEJ103	M 10K OHM, 0.063W	2	
R1268	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R1269,70	ERJ2GEJ103	M 10K OHM, 0.063W	2	
R1271	ERJ3GEYJ390	M.RESISTOR CH 1/16W 39	1	
R1272	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R1273	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1274-76	ERJ3GEYJ220	M 22 OHM,J,1/16W	3	
R1277-80	ERJ2GEJ220	M 22 OHM, 0.063W	4	
R1281	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1282	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1284,85	ERJ2GEJ3R0	RESISTOR	2	
R1287,88	ERJ2GEJ3R0	RESISTOR	2	
R1289	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R1290	ERJ2GEJ3R0	RESISTOR	1	
R1291	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1292,93	ERJ2GEJ3R0	RESISTOR	2	
R1297	ERJ2GEJ3R0	RESISTOR	1	
R1298	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1299	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R1300	ERJ3GEYJ102	RESISTOR	1	
R1301	ERJ3GEYJ393	RESISTOR	1	
R1302,03	ERJ2GEJ472	M 4.7K OHM, 0.063W	2	
R1305	EXB28V220J	RESISTOR ARRAY 22 OHM	1	
R1306	ERJ3EKF3002	RESISTOR	1	
R1307	ERJ3EKF2402	RESISTOR	1	
R1309	EXB28V220J	RESISTOR ARRAY 22 OHM	1	
R1310	ERJ3EKF4990	M 499 OHM, 1/16W	1	
R1311	ERJ2GEJ330	RESISTOR	1	
R1312	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1313	EXB28V220J	RESISTOR ARRAY 22 OHM	1	
R1314	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1315,16	EXB28V220J	RESISTOR ARRAY 22 OHM	2	
R1317	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1318,19	ERJ2GEJ472	M 4.7K OHM, 0.063W	2	
R1320	ERJ3EKF3002	RESISTOR	1	
R1321	ERJ3EKF2402	RESISTOR	1	
R1322,23	EXB28V220J	RESISTOR ARRAY 22 OHM	2	
R1324	EXB28V560J	RESISTOR ARRAY 56 OHM	1	
R1325,26	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R1327	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1328,29	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R1330,31	ERJ2GEJ472	M 4.7K OHM, 0.063W	2	
R1333	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1334	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1335	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1336	ERJ3GEYJ103	RESISTOR	1	
R1337-39	ERJ2GEJ220	M 22 OHM, 0.063W	3	
R1340	ERJ3EKF3162	RESISTOR	1	
R1341	ERJ3EKF1002	M 10K OHM, 1/16W	1	
R1342-45	ERJ2RKF75R0	RESISTOR	4	
R1346-51	ERJ2GEJ220	M 22 OHM, 0.063W	6	
R1352	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1353,54	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R1355,56	ERJ2GEJ103	M 10K OHM, 0.063W	2	
R1357	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1358-60	ERJ2RKF49R9	MT-GLAZE 49.9 FA 1/16W	3	
R1361	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1362	ERJ2RKF49R9	MT-GLAZE 49.9 FA 1/16W	1	
R1363	ERJ2GEJ222	MT-GLAZE 2.2K JA 1/16W	1	
R1364	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1365	ERJ2RKF49R9	MT-GLAZE 49.9 FA 1/16W	1	
R1366	ERJ2GEJ222	MT-GLAZE 2.2K JA 1/16W	1	
R1367-69	ERJ2RKF49R9	MT-GLAZE 49.9 FA 1/16W	3	
R1370	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1371-74	ERJ2GE0R00	M 0 OHM, 0.063W	4	
R1375	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1376	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1377	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1378	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1379	ERJ2RKF4531	RESISTOR	1	
R1380	ERJ2GEJ101	M 100 OHM, 0.063W	1	
R1381,82	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R1383	ERJ2GEJ152	MT-GLAZE 1.5K JA 1/16W	1	
R1384	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1385	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1387	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1393-95	ERJ2GEJ102	M 1K OHM, 0.063W	3	
R1396,97	ERJ2GEJ390	MT-GLAZE 39 JA 1/16W	2	
R1398	ERJ3EKF7502	RESISTOR	1	
R1399	ERJ3EKF2262	RESISTOR	1	
R1400	ERJ3EKF3002	RESISTOR	1	
R1401	ERJ3EKF2202	MT-GLAZE 22K FA 1/10W	1	
R1402	ERJ3EKF6801	M 6.8K OHM, 1/16W	1	
R1403	ERJ3EKF2202	MT-GLAZE 22K FA 1/10W	1	
R1406	ERJ3GEYJ102	RESISTOR	1	
R1407	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R1408	ERJ2RKF4021	RESISTOR	1	
R1409	ERJ2GEJ101	M 100 OHM, 0.063W	1	
R1410	ERJ2GEJ470	RESISTOR	1	
R1411	ERJ2GEJ273	M.RESISTOR CH 1/16W 27K	1	
R1412,13	ERJ2GE0R00	M 0 OHM, 0.063W	2	
R1414	ERJ2GEJ182	M.RESISTOR CH 1/16W 1.8K	1	
R1415-22	ERJ2GE0R00	M 0 OHM, 0.063W	8	
R1423	ERJ2GEJ182	M.RESISTOR CH 1/16W 1.8K	1	
R1424	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1425	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1426	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1428	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1431	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1435	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1438	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1442	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1447	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1451	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1453-56	ERJ2GEJ102	M 1K OHM, 0.063W	4	
R1457,58	ERJ2GEJ390	MT-GLAZE 39 JA 1/16W	2	
R1459-61	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R1462,63	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R1465	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1466	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1467,68	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R1469	ERJ2GEJ100	M 10 OHM, 0.063W	1	
R1470-72	ERJ2GEJ220	M 22 OHM, 0.063W	3	
R1473	ERJ2GEJ390	MT-GLAZE 39 JA 1/16W	1	
R1474,75	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R1476	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1479-81	ERJ2GEJ220	M 22 OHM, 0.063W	3	
R1482,83	ERJ2GEJ472	M 4.7K OHM, 0.063W	2	
R1484	ERJ2GEJ471	M.RESISTOR CH 1/16W 470	1	
R1487	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1488	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1490	ERJ2GEJ330	RESISTOR	1	
R1492	ERJ2GEJ330	RESISTOR	1	
R1493	ERJ2GEJ151	RESISTOR	1	
R1495	ERJ2GEJ151	RESISTOR	1	
R1496	ERJ2GEJ330	RESISTOR	1	
R1498	ERJ2GEJ330	RESISTOR	1	
R1501	ERJ2GEJ330	RESISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1504-09	ERJ2GEJ151	RESISTOR	6	
R1510	ERJ2GEJ330	RESISTOR	1	
R1515	ERJ2GEJ390	MT-GLAZE 39 JA 1/16W	1	
R1516,17	ERJ2GE0R00	M 0 OHM, 0.063W	2	
R1524	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1525	ERJ2GEJ152	MT-GLAZE 1.5K JA 1/16W	1	
R1532	ERJ3GEYJ121	M.RESISTOR CH 1/16W 120	1	
R1533	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R1535	ERJ2GEJ151	RESISTOR	1	
R1536,37	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R1538	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1540	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1541	ERJ3GEYJ512	RESISTOR	1	
R1542	ERJ3GEYJ332	M 3.3K OHM,J,1/16W	1	
R1543	ERJ2GEJ152	MT-GLAZE 1.5K JA 1/16W	1	
R1544	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1545	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R1546,47	ERJ2GEJ332	M 3.3K OHM, 0.063W	2	
R1548	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1549,50	ERJ2GEJ223	M 22K OHM, 0.063W	2	
R1551	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R1552,53	ERJ3GEYJ220	M 22 OHM,J,1/16W	2	
R1556	ERJ3EKF3002	RESISTOR	1	
R1557	ERJ3EKF2201	M 2.2K OHM, 1/16W	1	
R1558	ERJ2GEJ100	M 10 OHM, 0.063W	1	
R1559	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1560	ERJ2GEJ100	M 10 OHM, 0.063W	1	
R1561	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1562	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R1564	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1565	ERJ3GEYJ272	M 2.7K OHMJ,J1/16W	1	
R1566	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1567	EXB38V220J	RESISTOR ARRAY 22 OHM	1	
R1568-71	ERJ2GEJ220	M 22 OHM, 0.063W	4	
R1572	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1573	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1574	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1575	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
R1576-82	ERJ2GEJ220	M 22 OHM, 0.063W	7	
R1583,84	ERJ2GEJ473	M 47K OHM, 0.063W	2	
R1585	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1587	ERJ3GEYJ103	RESISTOR	1	
R1591	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R1592	ERJ3GEYJ103	RESISTOR	1	
R1593,94	ERJ2GEJ472	M 4.7K OHM, 0.063W	2	
R1596	ERJ3GEYJ103	RESISTOR	1	
R1597	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1599-13	ERJ2GEJ100	M 10 OHM, 0.063W	15	
R1614-16	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R1617	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1618,19	ERJ2GEJ472	M 4.7K OHM, 0.063W	2	
R1620,21	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R1622-27	ERJ2GEJ100	M 10 OHM, 0.063W	6	
R1628-30	ERJ2GEJ220	M 22 OHM, 0.063W	3	
R1631-33	ERJ2GEJ100	M 10 OHM, 0.063W	3	
R1634	ERJ3EKF3300	RESISTOR	1	
R1635,36	ERJ3EKF2400	MT-GLAZE 240 FA 1/10W	2	
R1637	ERJ3EKF3300	RESISTOR	1	
R1638	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1639,40	ERJ3EKF3300	RESISTOR	2	
R1641	ERJ2GEJ222	MT-GLAZE 2.2K JA 1/16W	1	
R1642	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1643	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1644	ERJ2GEJ100	M 10 OHM, 0.063W	1	
R1645	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1646	ERJ2GEJ223	M 22K OHM, 0.063W	1	
R1647-56	ERJ2GEJ100	M 10 OHM, 0.063W	10	
R1657	ERJ2GEJ330	RESISTOR	1	
R1658,59	ERJ2GEJ100	M 10 OHM, 0.063W	2	
R1660	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1661	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1662	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1663,64	ERJ2GEJ153	RESISTOR	2	
R1667,68	ERJ2GEJ100	M 10 OHM, 0.063W	2	
R1669,70	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R1671	ERJ2GEJ330	RESISTOR	1	
R1676	EXB28V472J	RESISTOR ARRAY	1	
R1677	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1678	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1679-81	ERJ2GEJ153	RESISTOR	3	
R1682	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1683	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1684	ERJ2GEJ681	M 680 OHM, 0.063W	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1687	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1688	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1689	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1694	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1695,96	ERJ2GEJ100	M 10 OHM, 0.063W	2	
R1697	ERJ2GEJ561	RESISTOR	1	
R1698	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1699,00	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R1701	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1704	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1705	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1706	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1707	ERJ2GEJ101	M 100 OHM, 0.063W	1	
R1708	ERJ3GEYJ392	M.RESISTOR CH 1/16W 3.9K	1	
R1709	ERJ2GEJ151	RESISTOR	1	
R1710	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R1711	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R1712	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1713	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R1714	ERJ3GEYJ102	RESISTOR	1	
R1715-17	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R1721	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R1722	ERJ2GEJ222	MT-GLAZE 2.2K JA 1/16W	1	
R1723	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1727	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R1728	ERJ3EKF1272	RESISTOR	1	
R1729	ERJ3EKF2202	MT-GLAZE 22K FA 1/10W	1	
R1730	ERJ3GEYJ102	RESISTOR	1	
R1731	ERJ2GEJ100	M 10 OHM, 0.063W	1	
R1732	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R1733,34	EXB28V560J	RESISTOR ARRAY 56 OHM	2	
R1735	ERJ3GEYJ201	M.RESISTOR CH 1/16W 200	1	
R1736	ERJ3EKF3002	RESISTOR	1	
R1737	ERJ3EKF2202	MT-GLAZE 22K FA 1/10W	1	
R1738,39	ERJ3EKF5600	METAL GLAZE RESISTOR,0.06W	2	
R1740-42	EXB28V470J	RESISTOR ARRAY	3	
R1751-53	EXB28V470J	RESISTOR ARRAY	3	
R1754,55	ERJ3EKF5600	METAL GLAZE RESISTOR,0.06W	2	
R1756	ERJ3GEYJ102	RESISTOR	1	
R1757,58	ERJ2GEJ330	RESISTOR	2	
R1761	ERJ2GEJ121	MT-GLAZE 120 JA 1/16W	1	
R1762-66	EXB28VR000	RESISTOR ARRAY	5	
R1767-70	ERJ2GE0R00	M 0 OHM, 0.063W	4	
R1771,72	ERJ3EKF5600	METAL GLAZE RESISTOR,0.06W	2	
R1773,74	ERJ2GEJ330	RESISTOR	2	
R1777	ERJ2GEJ121	MT-GLAZE 120 JA 1/16W	1	
R1778-82	EXB28VR000	RESISTOR ARRAY	5	
R1783-86	ERJ2GE0R00	M 0 OHM, 0.063W	4	
R1787,88	ERJ3EKF5600	METAL GLAZE RESISTOR,0.06W	2	
R1789	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R1790	ERJ3EKF1272	RESISTOR	1	
R1791	ERJ3EKF2202	MT-GLAZE 22K FA 1/10W	1	
R1792-03	ERJ2GEJ101	M 100 OHM, 0.063W	12	
R1804	ERJ3GEYJ102	RESISTOR	1	
R1805-09	ERJ2GEJ101	M 100 OHM, 0.063W	5	
R1811	ERJ2GEJ101	M 100 OHM, 0.063W	1	
R1812	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1813-15	ERJ2GEJ103	M 10K OHM, 0.063W	3	
R1818,19	ERJ2GEJ103	M 10K OHM, 0.063W	2	
R1820	ERJ3EKF2152	RESISTOR	1	
R1821	ERJ3EKF1002	M 10K OHM, 1/16W	1	
R1822	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R1823-27	ERJ2GEJ102	M 1K OHM, 0.063W	5	
R1828	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1829,30	ERJ2GEJ101	M 100 OHM, 0.063W	2	
R1831	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1832-41	ERJ2GEJ101	M 100 OHM, 0.063W	10	
R1842,43	ERJ2GEJ102	M 1K OHM, 0.063W	2	
R1844	ERJ2GEJ101	M 100 OHM, 0.063W	1	
R1845-50	ERJ2GEJ102	M 1K OHM, 0.063W	6	
R1851-61	ERJ2GEJ101	M 100 OHM, 0.063W	11	
R1862,63	ERJ2GEJ102	M 1K OHM, 0.063W	2	
R1864	ERJ3GEYJ103	RESISTOR	1	
R1865-68	ERJ2GEJ101	M 100 OHM, 0.063W	4	
R1869	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1870	ERJ3EKF2152	RESISTOR	1	
R1875	ERJ3EKF3162	RESISTOR	1	
R1876	ERJ3EKF1002	M 10K OHM, 1/16W	1	
R1877	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1884	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R1886-93	ERJ2GEJ101	M 100 OHM, 0.063W	8	
R1894-99	ERJ2GEJ121	MT-GLAZE 120 JA 1/16W	6	
R1900	ERJ2GEJ181	METAL GLAZE RESISTOR,0.06W	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R1901-03	ERJ2GEJ121	MT-GLAZE 120 JA 1/16W	3	
R1904,05	ERJ2GE0R00	M 0 OHM, 0.063W	2	
R1906-19	ERJ2GEJ121	MT-GLAZE 120 JA 1/16W	14	
R1920	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R1921	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R1922	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R1923	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R1924	ERJ6ENF6801	M 6.8K OHM, 1/10W	1	
R1927	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R1929	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1930,31	ERJ3GEYJ560	M 56 OHM,J,1/16W	2	
R1932	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R1933	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R1934	ERJ6ENF6801	M 6.8K OHM, 1/10W	1	
R1936	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1937,38	ERJ3GEYJ560	M 56 OHM,J,1/16W	2	
R1939	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R1940	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R1944	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R1945	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R1946	ERJ6ENF6801	M 6.8K OHM, 1/10W	1	
R1947	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R1948	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R1949	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R1951	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R1952	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1954	ERJ3EKF8201	M 8.2K OHM, 1/16W	1	
R1955	D1BZ2700A012	M 270 OHM	1	
R1956	ERJ3EKF2701	RESISTOR	1	
R1957	ERJ3EKF8201	M 8.2K OHM, 1/16W	1	
R1958,59	ERJ3GEYJ560	M 56 OHM,J,1/16W	2	
R1960,61	ERJ2GEJ562	M 5.6K OHM, 0.063W	2	
R1962	ERJ3EKF2701	RESISTOR	1	
R1963,64	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R1967-70	ERJ3GEYJ560	M 56 OHM,J,1/16W	4	
R1971,72	ERJ2GEJ562	M 5.6K OHM, 0.063W	2	
R1973,74	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R1977,78	ERJ3GEYJ560	M 56 OHM,J,1/16W	2	
R1979	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1980	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R1981,82	ERJ3GEYJ473	M 47KOHM,J,1/16W	2	
R1983	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1984	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R1985,86	ERJ3GEYJ223	M 22K OHM,J,1/16W	2	
R1987	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1988-89	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R1990	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R1991	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R1993	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2010	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2012,13	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R2014	ERJ3EKF7502	RESISTOR	1	
R2015	ERJ3EKF2262	RESISTOR	1	
R2016	ERJ2GEJ181	METAL GLAZE RESISTOR,0.06W	1	
R2017	ERJ2GEJ121	MT-GLAZE 120 JA 1/16W	1	
R2019	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2020	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2021	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2022	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R2023	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2024	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2025	ERJ3GEYJ682	M 6.8K OHM,J,1/16W	1	
R2027	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2028	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2029	ERJ3GEYJ682	M 6.8K OHM,J,1/16W	1	
R2031	ERJ3GEYJ560	M 56 OHM,J,1/16W	1	
R2032,33	ERJ2GEJ103	M 10K OHM, 0.063W	2	
R2035,36	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R2037	ERJ1TY0R00	RESISTOR	1	
R2038,39	ERJ3GEYJ560	M 56 OHM,J,1/16W	2	
R2042-45	ERJ3GEYJ101	M 100 OHM,J,1/16W	4	
R2046,47	ERJ1TY0R00	RESISTOR	2	
R2048,49	ERJ3GEYJ560	M 56 OHM,J,1/16W	2	
R2050-53	ERJ2GE0R00	M 0 OHM, 0.063W	4	
R2054,55	ERJ3GEYJ103	RESISTOR	2	
R2056-59	ERJ3GEYJ102	RESISTOR	4	
R2060-63	ERJ1TYJ100	RESISTOR	4	
R2064,65	ERJ3GEYJ102	RESISTOR	2	
R2066	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2067	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R2068	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2069	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R2070	ERJ2GEJ103	M 10K OHM, 0.063W	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2071	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R2072	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2073	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R2074	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2075,76	ERJ2GEJ472	M 4.7K OHM, 0.063W	2	
R2077	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2078	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R2081	ERJ2GEJ2R2	RESISTOR	1	
R2082	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2083,84	ERJ2GEJ332	M 3.3K OHM, 0.063W	2	
R2085	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R2086	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2087	ERJ3EKF4701	METAL FILM OXIDE RESISTOR	1	
R2088	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2089	ERJ3EKF2001	M 2K OHM, 1/16W	1	
R2090,91	ERJ2GE0R00	M 0 OHM, 0.063W	2	
R2092,93	ERJ2GEJ332	M 3.3K OHM, 0.063W	2	
R2094	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2095	ERJ2GEJ2R2	RESISTOR	1	
R2096,97	ERJ2GE0R00	M 0 OHM, 0.063W	2	
R2098	ERJ3EKF1002	M 10K OHM, 1/16W	1	
R2099	ERJ3EKF2201	M 2.2K OHM, 1/16W	1	
R2100	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R2101	ERJ3GEYJ223	M 22K OHM,J,1/16W	1	
R2102	ERJ3GEYJ473	M 47KOHM,J,1/16W	1	
R2103	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R2104,05	ERJ2GEJ101	M 100 OHM, 0.063W	2	
R2106	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2107	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R2108	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2109-11	ERJ2GEJ102	M 1K OHM, 0.063W	3	
R2112-14	ERJ2GEJ101	M 100 OHM, 0.063W	3	
R2115	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2116	ERJ2GEJ330	RESISTOR	1	
R2117	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R2118	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2119	ERJ3EKF1601	RESISTOR	1	
R2120	ERJ2GEJ470	RESISTOR	1	
R2122	ERJ3EKF3002	RESISTOR	1	
R2123	ERJ3EKF1003	M 100KOHM, 1/16W	1	
R2124	ERJ3EKF4701	METAL FILM OXIDE RESISTOR	1	
R2125	ERJ3EKF1201	M.RESISTOR CH 1/16W 1.2K	1	
R2127,28	ERJ3EKF1002	M 10K OHM, 1/16W	2	
R2130	ERJ2GEJ470	RESISTOR	1	
R2131	ERJ3EKF3602	RESISTOR	1	
R2133	ERJ3EKF1152	RESISTOR	1	
R2134	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R2135	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2136	ERJ3GEYJ220	M.RESISTOR CH 1/16W 22	1	
R2137	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R2138	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R2139	ERJ2GEJ470	RESISTOR	1	
R2140	ERJ2GEJ103	M.RESISTOR CH 0.063W 10K	1	
R2143	ERJ3GEYJ104	M.RESISTOR CH 1/16W 100K	1	
R2144	ERJ3GEYJ222	M 2.2K OHM,J,1/16W	1	
R2145	ERJ2GEJ470	RESISTOR	1	
R2146,47	EXB28V102J	RESISTOR ARRAY	2	
R2149	ERJ3GEYJ102	RESISTOR	1	
R2151	ERJ3EKF1002	M 10K OHM, 1/16W	1	
R2152	ERJ3GEYJ102	RESISTOR	1	
R2154	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2156	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2158	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2160	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2162	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2164	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2165	ERJ3EKF3002	RESISTOR	1	
R2166	ERJ3EKF2202	MT-GLAZE 22K FA 1/10W	1	
R2173	ERJ3GEYJ102	RESISTOR	1	
R2175	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2177	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2179	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2180	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2182	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2184	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2186	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2192	ERJ3EKF1272	RESISTOR	1	
R2193	ERJ3EKF2202	MT-GLAZE 22K FA 1/10W	1	
R2206,07	ERJ2GE0R00	M 0 OHM, 0.063W	2	
R2208	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2209	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R2213	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2215	ERJ2GE0R00	M 0 OHM, 0.063W	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R2217	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2219	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2220-22	ERJ2GEJ472	M 4.7K OHM, 0.063W	3	
R2223-29	ERJ2GE0R00	M 0 OHM, 0.063W	7	
R2232	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2235-38	ERJ2GEJ472	M 4.7K OHM, 0.063W	4	
R2241-43	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R2244	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R2245	ERJ2GEJ332	M 3.3K OHM, 0.063W	1	
R2246,47	ERJ2GEJ472	M 4.7K OHM, 0.063W	2	
R2248	ERJ2GEJ332	M 3.3K OHM, 0.063W	1	
R2250-83	ERJ2GE0R00	M 0 OHM, 0.063W	34	
R2284-86	ERJ2GEJ472	M 4.7K OHM, 0.063W	3	
R2287-06	ERJ2GEJ220	M 22 OHM, 0.063W	25	
R2308-17	ERJ2GEJ220	M 22 OHM, 0.063W	10	
R2319-20	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R2321,22	ERJ2GE0R00	M 0 OHM, 0.063W	2	
R2323-25	ERJ2GEJ220	M 22 OHM, 0.063W	3	
R2327,28	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R2329	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2330	ERJ2GEJ332	M 3.3K OHM, 0.063W	1	
R2332,33	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R2334	ERJ2GEJ332	M 3.3K OHM, 0.063W	1	
R2335	EXB28V220J	RESISTOR ARRAY 22 OHM	1	
R2339-41	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R2346	ERJ2GEJ101	M 100 OHM, 0.063W	1	
R2351	ERJ2GEJ100	M 10 OHM, 0.063W	1	
R2357	ERJ2GEJ100	M 10 OHM, 0.063W	1	
R2368-73	ERJ2GE0R00	M 0 OHM, 0.063W	6	
R2383	ERJ2GEJ100	M 10 OHM, 0.063W	1	
R2387-92	ERJ2GEJ101	M 100 OHM, 0.063W	6	
R2393-98	EXB28V390J	RESISTOR ARRAY	6	
R2399-06	ERJ2GEJ101	M 100 OHM, 0.063W	8	
R2411-16	EXB28V390J	RESISTOR ARRAY		
R2424	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2428	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2429	ERJ2GEJ102	M 1K OHM, 0.063W	1	
R2435	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2437,38	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2440,41	ERJ3GEY0R00	M 0 OHM, 1/16W	2	
R2443	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2474-76	ERJ2GEJ272	M.RESISTOR CH 1/16W 2.7K	3	
R2477-79	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R2480	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R2481	ERJ3EKF7502	RESISTOR	1	
R2482	ERJ3EKF1203	M 120K OHM, 1/16W	1	
R2483	ERJ3EKF1002	M 10K OHM, 1/16W	1	
R2485	ERJ2GEJ220	M 22 OHM, 0.063W	1	
R2487	ERJ3EKF2101	METAL FILM OXIDE RESISTOR	1	
R2488	ERJ3EKF1002	M 10K OHM, 1/16W	1	
R2489	ERJ3EKF5232	RESISTOR	1	
R2491,92	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R2494	ERJ3EKF4121	METAL FILM OXIDE RESISTOR	1	
R2495	ERJ3GEYJ102	RESISTOR	1	
R2497	ERJ3GEYJ102	RESISTOR	1	
R2499	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R2500	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R2501-10	ERJ2GEJ181	METAL GLAZE RESISTOR,0.06W	10	
R2511	ERJ3EKF1002	M 10K OHM, 1/16W	1	
R2512-15	ERJ3GEYJ102	RESISTOR	4	
R2516-19	ERJ2GEJ472	M 4.7K OHM, 0.063W	4	
R2521	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R2522	ERJ3GEYJ223	M 22K OHM,J,1/16W	1	
R2529,30	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R2531,32	ERJ2GEJ103	M 10K OHM, 0.063W	2	
R2537	ERJ2GEJ562	M 5.6K OHM, 0.063W	1	
R2538	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R2539	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R2540	ERJ3EKF3002	RESISTOR	1	
R2543	ERJ2GEJ101	M 100 OHM, 0.063W	1	
R2544-48	ERJ2GE0R00	M 0 OHM, 0.063W	5	
R2549,50	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R3000-07	ERJ2GEJ3R0	RESISTOR	8	
R3008	ERJ2GEJ105	M.RESISTOR CH 1/16W 1M	1	
R3009	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R3010	ERJ2GEJ105	M.RESISTOR CH 1/16W 1M	1	
R3011	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R3012,13	ERJ2GEJ103	M 10K OHM, 0.063W	2	
R3014	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R3015,16	ERJ2GEJ200	RESISTOR	2	
R3017	ERJ3EKF3162	RESISTOR	1	
R3018,19	ERJ3EKF1002	M 10K OHM, 1/16W	2	
R3020	ERJ3EKF2002	RESISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3021,22	ERJ2GE0R00	M 0 OHM, 0.063W	2	
R3024	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R3025	ERJ2RKF2490	RESISTOR	1	
R3028	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R3030	ERJ2GE0R00	M 0 OHM, 0.063W	1	
R3031	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R3032	ERJ2GEJ332	M 3.3K OHM, 0.063W	1	
R3033	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R3034,35	ERJ2GEJ220	M 22 OHM, 0.063W	2	
R3036	ERJ2RKF2490	RESISTOR	1	
R3037	ERJ2GEJ103	M 10K OHM, 0.063W	1	
R3038	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R3039,40	ERJ2GE0R00	M 0 OHM, 0.063W	2	
R3042-45	ERJ2GEJ472	M 4.7K OHM, 0.063W	4	
R3047	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R3052	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R3053	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R3054	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R3055-57	ERJ2GE0R00	M 0 OHM, 0.063W	3	
R3058	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R3060	ERJ2GEJ472	M 4.7K OHM, 0.063W	1	
R3062-69	ERJ2RKF49R9	MT-GLAZE 49.9 FA 1/16W	8	
R3070-77	ERJ2GEJ3R0	RESISTOR	8	
R3078-85	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	8	
R3086,87	ERJ2GEJ105	M.RESISTOR CH 1/16W 1M	2	
R3089	ERJ2GEJ104	M.RESISTOR CH 1/16W 100K	1	
R3090	ERJ2GEJ103	M 10K OHM, 0.063W	1	
RM1001	B3RAD0000126	REMOTE CONTROL RECEIVER	1	
SW1001	K0L1CA000005	SWICH	1	
T1001	G5BYC0000047	TRANSFORMER	1	
X1002	H1A1256B0017	CRYSTAL	1	
X1005	H0J160500097	CRYSTAL	1	
X1006	H0J327200114	CRYSTAL	1	
X1007	H1C2705B0037	CRYSTAL	1	
X1008	H0J355500001	CRYSTAL	1	
X1009	H1A3335B0038	CRYSTAL	1	
X1010	H1A2505BA044	CRYSTAL	1	
X3000	H0J270500138	CRYSTAL	1	
■ J	**TNPA5890**	**CIRCUIT BOARD (J)**		
C4000-02	F1K1C4750023	CAPACITOR	3	
C4003,04	F1J1A106A043	C.CAPACITOR CH 10V 10U	2	
C4005-07	F1K1C4750023	CAPACITOR	3	
C4008,09	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	2	
C4010	F1J1C106A059	C.CAPACITOR CH 16V 10U	1	
C4014	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C4015	F1J1C106A059	C.CAPACITOR CH 16V 10U	1	
C4018	F1J1A106A043	C.CAPACITOR CH 10V 10U	1	
C4019	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C4020	F1J1C106A059	C.CAPACITOR CH 16V 10U	1	
C4022-27	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	6	
C4028,29	F1J1C106A059	C.CAPACITOR CH 16V 10U	2	
D4000	D4ED1270A008	VARISTOR	1	
D4003	EZAEG2A50A	DIODE	1	
D4007-11	D4ED11200005	VARISTOR	5	
D4012	EZJZ1V330GA	VARISTOR	1	
D4013,14	D4ED11200005	VARISTOR	2	
D4015	EZJZ1V330GA	VARISTOR	1	
D4016-18	D4ED11200005	VARISTOR	3	
FL4000	J0HABC000009	EMI FILTER	1	
IC4000	C0JBAR000622	IC	1	
IC4002	C1ZBZ0003985	IC	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
JK4000	K2HA1YYB0032	JACK (CVBS-IN)	1	
JK4001	K2HC208B0001	JACK (AUDIO-OUT)	1	
JK4002	K2HA204B0184	JACK (AUDIO-IN11)	1	
JK4003	K2HC204B0002	JACK (AUDIO-IN12)	1	
JK4004,05	K1FY109B0041	SOCKET,D-SUB 9P	2	
JK4007	K1MN32AA0041	CONNECTOR	1	
L4000-06	J0JCC0000168	EMI FILTER	7	
L4007	J0JHC0000078	EMI FILTER	1	
L4008-17	J0JCC0000168	EMI FILTER	10	
Q4000,01	B1ABDF000018	TRANSISTOR	2	
Q4002,03	B1ABCF000098	TRANSISTOR	2	
Q4004	B1ADCE000013	TRANSISTOR	1	
Q4005	B1GBCFLM0003	TRANSISTOR	1	
Q4006	B1ADCE000013	TRANSISTOR	1	
Q4007,08	B1GBCFLM0003	TRANSISTOR	2	
R4000	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4003-05	ERJ3GEYJ101	M 100 OHM,J,1/16W	3	
R4006	ERJ2GEJ183	M.RESISTOR CH 1/16W 18K	1	
R4007	ERJ2GEJ473	M 47K OHM, 0.063W	1	
R4008-10	ERJ2GEJ183	M.RESISTOR CH 1/16W 18K	3	
R4011,12	ERJ2GEJ473	M 47K OHM, 0.063W	2	
R4013,14	ERJ2GEJ183	M.RESISTOR CH 1/16W 18K	2	
R4015,16	ERJ3GEYJ101	M 100 OHM,J,1/16W	2	
R4017-19	ERJ2GEJ473	M 47K OHM, 0.063W	3	
R4020,21	ERJ6ENF36R0	M 36 OHM, 1/10W	2	
R4022	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4023	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R4024	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4025	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R4026	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4027	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R4028	ERJ6ENF1130	METAL FILM OXIDE RESISTOR	1	
R4029	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4030	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R4031	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4032	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R4033	ERJ3GEYJ124	M.RESISTOR CH 1/16W 120K	1	
R4034	ERJ3GEYJ154	M.RESISTOR CH 1/16W 150K	1	
R4035	ERJ6ENF1130	METAL FILM OXIDE RESISTOR	1	
R4036-41	ERJ3GEYJ220	M 22 OHM,J,1/16W	6	
R4042,43	ERJ3GEYJ473	M 47KOHM,J,1/16W	2	
R4044	ERJ3GEYJ331	M 330 OHM,J,1/16W	1	
R4046	ERJ3GEYJ220	M 22 OHM,J,1/16W	1	
R4047,48	ERJ3GEYJ272	M 2.7K OHMJ,J1/16W	2	
R4049	ERJ3GEYJ472	M.RESISTOR 1/20W 4.7K	1	
R4050	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R4051	ERJ3GEYJ472	M.RESISTOR 1/20W 4.7K	1	
R4052	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4053	ERJ3GEYJ103	RESISTOR	1	
R4054	ERJ3GEYJ272	M 2.7K OHMJ,J1/16W	1	
R4055	ERJ3GEYJ103	RESISTOR	1	
R4056	ERJ3GEYJ272	M 2.7K OHMJ,J1/16W	1	
R4057	ERJ3GEY0R00	M 0 OHM, 1/16W	1	
R4058	ERJ3GEYJ152	M.RESISTOR 1/20W 1.5K	1	
R4059,60	ERJ8GEYJ471	M 470 OHM,J, 1/8W	2	
R4062-65	EXB28V223J	RESISTOR ARRAY	4	
■ S	**TNPA5896**	**CIRCUIT BOARD (S)**		
C3001	F1J1A106A097	CAPACITOR	1	
C3002	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
R3001	ERJ3GEYJ102	RESISTOR	1	
R3002	ERJ3EKF5601	RESISTOR	1	
R3003	ERJ3EKF1871	RESISTOR	1	
R3004	ERJ3EKF3741	M 3.74K OHM,J,1/16W	1	
R3005	ERJ3EKF5601	RESISTOR	1	
R3006	ERJ3EKF1871	RESISTOR	1	
R3007	ERJ3EKF3741	M 3.74K OHM,J,1/16W	1	
R3008	ERJ3EKF5601	RESISTOR	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
R3009	ERJ3EKF1871	RESISTOR	1	
R3010	ERJ3EKF3741	M 3.74K OHM,J,1/16W	1	
S1	K1KA20B00155	CONNECTOR	1	
S2	K1KA04B00273	CONNECTOR	1	
S3	K1KA06BA0047	CONNECTOR	1	
SW3001-10	EVQPL1A15	SWICH	10	
■ V	**TNPA5897**	**CIRCUIT BOARD (V)**		
C3101	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3102	F1K1C106A116	CAPACITOR	1	
C3103	F1G1C104A085	CAPACITOR	1	
C3104	F1K1C106A116	CAPACITOR	1	
C3110	F1G1C104A077	C.CAPACITOR CH 16V 0.1U	1	
C3111,12	F1J1A106A043	C.CAPACITOR CH 10V 10U	2	
C3114	F1H1H1010005	C.CAPACITOR CH 50V 100P	1	
D3101	B3AGB0000051	LED	1	
D3102-04	B3AAB0000038	DIODE	3	
Q3101,02	B1GDCFJJ0008	TRANSISTOR	2	
Q3103-05	B1GBCFJJ0007	TRANSISTOR	3	
R3101-05	ERJ2GE0R00	M 0 OHM, 0.063W	5	
R3107	ERJ3GEYJ333	RESISTOR	1	
R3108	ERJ3GEYJ101	M 100 OHM,J,1/16W	1	
R3110	ERJ3GEYJ102	RESISTOR	1	
R3111-13	ERJ3GEYJ331	M 330 OHM,J,1/16W	3	
R3114	ERJ3GEYJ182	RESISTOR	1	
R3115	ERJ3GEYJ181	RESISTOR	1	
R3117	ERJ3GEYJ470	M 47 OHM,J,1/16W	1	
RM3101	B3RAD0000176	REMOTE CONTROL RECEIVER	1	
SN3101	B3JB00000208	PHOTO IC	1	
V1	K1KA13B00069	CONNECTOR	1	
■ C	**TNPA5889**	**CIRCUIT BOARD (C)**		
C1	K1KA06BA0047	CONNECTOR	1	
C2	K1KY06AA0930	PLUG PWB-PWB 6P	1	
L3601-05	J0JBC0000080	EMI FILTER	5	
R3601	ERJ2GE0R00	M 0 OHM, 0.063W	1	
■ F	**TNPA5891**	**CIRCUIT BOARD (F)**		
F1	K1KA03B00242	3P CONNECTOR	1	
SW3701	K0L1CA000005	SWICH	1	

Ref.No.	Part No.	Part Name & Description	Pcs	Remarks
■ M3	**TNPA5895**	**CIRCUIT BOARD (M3)**		
CF3401	D4CEY2R20002	THERMISTOR	1	
M3	K1KA02B00294	CONNECTOR	1	
		MISCELLANEOUS		
	K9ZZ00001719	LED SPACER	1	
■ M1	**TNPA5893**	**CIRCUIT BOARD (M1)**		
CF3201	D4CC1103A037	THERMISTOR	1	
M1	K1KA02A00787	CONNECTOR	1	
■ M2	**TNPA5894**	**CIRCUIT BOARD (M2)**		
CF3301	D4CC1103A037	THERMISTOR	1	
M2	K1KA02A00787	CONNECTOR	1	
■ BQ	**TXN/B1VLM8**	**BALLAST UNIT**		
		MISCELLANEOUS		
	TXJ/L2VLM8	LAMP CABLE	1	
	J0KG00000012	CLAMP CORE	1	
■ P	**TNPA5912**	**POWER UNIT ASSY**		
⚠ F9001	K5E103BZA003	FUSE	1	
⚠ SW9002	K0AACB000004	SW AC POWER	1	
■ K	**TNPA5913**	**CIRCUIT BOARD (K)**		
⚠ K9001	K2AHYB000003	AC INLET	1	
		MISCELLANEOUS		
	TXJ/E1VLM8	EARTH CABLE	1	
	TXJ/K1VLM8	K1,K2-P1 CABLE	1	