



SERVICE MANUAL

LCD COLOUR TELEVISION

**LT-32EX19/AT, LT-32EX19/BT, LT-32EX19/BBT,
LT-32EX19/EBT, LT-32EX19/MAT, LT-32EX19/MBT,
LT-32EX19/NBSK, LT-32EX19/PAT, LT-32EX19/PBT,
LT-32EX19/RBCK, LT-32EX19/SAT, LT-32EX19/ST,
LT-32EX19/VBSK, LT-32EX29/NBSK**



BASIC CHASSIS

FU3

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

<FU3 CHASSIS LINEUP>

No.YA702 : LT-32EX19	No.YA703 : LT-32BX19	No.YA704 : LT-42EX19
No.YA708 : LT-42Z49	No.YA709 : LT-32Z49	

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SPECIFICATION

LT-32EX19/AT, LT-32EX19/BT, LT-32EX19/BBT, LT-32EX19/EBT, LT-32EX19/NBSK, LT-32EX19/SAT, LT-32EX19/GBT, LT-32EX19/VBSK, LT-32EX29/NBSK

Items		Contents
Dimensions (W × H × D)		79.1 cm × 57.17 cm × 23.05 cm [with stand] 79.1 cm × 52.05 cm × 10.39 cm [without stand]
Mass		12.5 kg [with stand] 11.5 kg [without stand]
Power Input		AC110V - AC240 V, 50 Hz / 60 Hz (Other models) AC220V - AC240 V, 50 Hz / 60 Hz (LT-32EX19/EBT, LT-32EX19/NBSK, LT-32EX29/NBSK)
Power Consumption		131 W (Standby:1.8 W)
TV RF System		B, G, I, D, K, M
Colour System		PAL / SECAM / NTSC 3.58 / NTSC 4.43
Stereo System		A2 (B/G, D/K), NICAM (B/G, I, D/K)
Teletext System		FLOF (Fastext), WST (World Standard System)
Receiving Frequency	VHF Low VHF High UHF CATV	46.25 MHz - 140.25 MHz 147.25 MHz - 423.25 MHz 431.25 MHz - 863.25 MHz Mid (X - Z+2, S1 - S10) / Super (S11 - S20) / Hyper (S21 - S41) bands
Intermediate Frequency	VIF SIF	38.9 MHz (B, G, I, D, K, M) 32.26 MHz (5.74 MHz: B), 32.15 MHz (5.85 MHz: G), 31.45 MHz (6.55 MHz: I) 31.75 MHz (6.25 MHz: D), 32.15 MHz (5.85 MHz: K)
Colour Sub Carrier	PAL SECAM NTSC	4.43 MHz 4.40625 MHz / 4.25 MHz 3.58 MHz / 4.43 MHz
LCD panel		32V-inch wide aspect (16 : 9)
Screen Size		Diagonal : 80.0 cm (H: 69.7 cm × V:39.2 cm)
Display Pixels		Horizontal : 1366 pixels × Vertical : 768 pixels (W-XGA)
Audio Power Output		6 W + 6 W
Speaker		4.0 cm × 16.0 cm, oval type × 2
Aerial terminal (VHF/UHF)		75 Ω unbalanced, coaxial
Video / Audio Input-1/2	Component Video 750p / 1125i 625p / 525p / 625i / 525i	RCA pin jack × 3 Y : 1V (p-p) (Sync signal: ±0.35V(p-p), 3-value sync.), 75 Ω / Pb/Pr : ±0.35V(p-p), 75 Ω Y : 1V (p-p), Positive (Negative sync provided), 75 Ω / Pb/Pr : 0.7V(p-p), 75 Ω
	Video	1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 2
	Audio	500mV (rms), High impedance, RCA pin jack × 4
PC (RGB) Input	Video	D-sub 15 pin × 1 R/G/B : 0.7 V (p-p), 75Ω HD / VD : 1 V (p-p) to 5 V (p-p), high impedance < Available signal > VGA : 640 pixels × 480 pixels (Horizontal : 31.5 kHz / Vertical : 60 Hz) XGA : 1024 pixels × 768 pixels (Horizontal : 48.4 kHz / Vertical : 60 Hz)
	Audio	3.5 mm stereo mini jack × 1
HDMI Input	Video	HDMI connector × 3 (Digital-input terminal is not compatible with picture signals of computer signal)
	Audio	Digital: HDMI connector × 3 Analog: 500mV(rms) (-4dBs), high impedance, RCA pin jack × 2 [HDMI-1]
Video / Audio Output	Video	1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 1
	Audio	500mV (rms), Low impedance, RCA pin jack × 2
Headphone		3.5 mm stereo mini jack × 1
Remote Control Unit		RM-C2020 (AAA/R6 dry cell battery × 2)

Design & specifications are subject to change without notice.

LT-32EX19/MAT, LT-32EX19/MBT

Items		Contents
Dimensions (W × H × D)		79.1 cm × 57.17 cm × 23.05 cm [with stand] 79.1 cm × 52.05 cm × 10.39 cm [without stand]
Mass		12.5 kg [with stand] 11.5 kg [without stand]
Power Input		AC110V - AC240 V, 50 Hz / 60 Hz
Power Consumption		131 W (Standby:1.8 W)
TV RF System		For Area-1 setting : B, G, I, D, K, M For Area-2 setting : M, N
Colour System		For Area-1 setting : PAL / SECAM / NTSC 3.58 / NTSC 4.43 For Area-2 setting : NTSC / PAL-M / PAL-N
Stereo System		For Area-1 setting : A2 (B/G, D/K), NICAM (B/G, I,DK) For Area-2 setting : MTS (Multi-channel Television Sound)
Teletext System		For Area-1 setting : FLOF (Fastext), WST (World Standard System) For Area-2 setting : CLOSED CAPTION
Receiving Frequency	VHF Low VHF High UHF CATV	46.25 MHz - 140.25 MHz (Area-1) / 55.25MHz - 127.25MHz (Area-2) 147.25 MHz - 423.25 MHz (Area-1) / 133.25MHz - 361.25MHz (Area-2) 431.25 MHz - 863.25 MHz (Area-1) / 367.25MHz - 801.25MHz (Area-2) Mid (X - Z+2, S1 - S10) / Super (S11 - S20) / Hyper (S21 - S41) bands
Intermediate Frequency	VIF SIF	38.9 MHz (B, G, I, D, K, M) 32.26 MHz (5.74 MHz: B), 32.15 MHz (5.85 MHz: G), 31.45 MHz (6.55 MHz: I) 31.75 MHz (6.25 MHz: D), 32.15 MHz (5.85 MHz: K)
Colour Sub Carrier	PAL SECAM NTSC	4.43 MHz 4.40625 MHz / 4.25 MHz 3.58 MHz / 4.43 MHz
LCD panel		32V-inch wide aspect (16 : 9)
Screen Size		Diagonal : 80.0 cm (H: 69.7 cm × V:39.2 cm)
Display Pixels		Horizontal : 1366 dots × Vertical : 768 dots (W-XGA)
Audio Power Output		6 W + 6 W
Speaker		4.0 cm × 16.0 cm, oval type × 2
Aerial terminal (VHF/UHF)		75 Ω unbalanced, coaxial
Video / Audio Input-1/2	Component Video 750p / 1125i 625p / 525p / 625i / 525i	RCA pin jack × 3 Y : 1V (p-p) (Sync signal: ±0.35V(p-p), 3-value sync.), 75 Ω / Pb/Pr : ±0.35V(p-p), 75 Ω Y : 1V (p-p), Positive (Negative sync provided), 75 Ω / Pb/Pr : 0.7V(p-p), 75 Ω
	Video	1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 2
	Audio	500mV (rms), High impedance, RCA pin jack × 4
PC (RGB) Input	Video	D-sub 15 pin × 1 R/G/B : 0.7 V (p-p), 75Ω HD / VD : 1 V (p-p) to 5 V (p-p), high impedance < Available signal > VGA : 640 pixels × 480 pixels (Horizontal : 31.5 kHz / Vertical : 60 Hz) XGA : 1024 pixels × 768 pixels (Horizontal : 48.4 kHz / Vertical : 60 Hz)
	Audio	3.5 mm stereo mini jack × 1
HDMI Input	Video	HDMI connector × 3 (Digital-input terminal is not compatible with picture signals of computer signal)
	Audio	Digital: HDMI connector × 3 Analog: 500mV(rms) (-4dBs), high impedance, RCA pin jack × 2 [HDMI-1]
Video / Audio Output	Video	1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 1
	Audio	500mV (rms), Low impedance, RCA pin jack × 2
Headphone		3.5 mm stereo mini jack × 1
Remote Control Unit		RM-C2020 (AAA/R6 dry cell battery × 2)

Design & specifications are subject to change without notice.

LT-32EX19/PAT, LT-32EX19/PBT

Items		Contents
Dimensions (W × H × D)		79.1 cm × 57.17 cm × 23.05 cm [with stand] 79.1 cm × 52.05 cm × 10.39 cm [without stand]
Mass		12.5 kg [with stand] 11.5 kg [without stand]
Power Input		AC110V - AC240 V, 50 Hz / 60 Hz
Power Consumption		131 W (Standby:1.8 W)
TV RF System		M
Colour System	TV mode	NTSC 3.58
	Video mode	PAL / SECAM / NTSC 3.58 / NTSC 4.43
Stereo System		MTS (Multi-channel Television Sound)
Teletext System		CLOSED CAPTION
Receiving Frequency	VHF Low	55.25MHz - 127.25MHz
	VHF High	133.25MHz - 361.25MHz
	UHF	367.25MHz - 801.25MHz
	CATV	Mid (X - Z+2, S1 - S10) / Super (S11 - S20) / Hyper (S21 - S41) bands
Intermediate Frequency	VIF	45.75 MHz
	SIF	33.5 MHz (4.5 MHz)
Colour Sub Carrier	PAL	4.43 MHz
	SECAM	4.40625 MHz / 4.25 MHz
	NTSC	3.58 MHz / 4.43 MHz
LCD panel		32V-inch wide aspect (16 : 9)
Screen Size		Diagonal : 80.0 cm (H: 69.7 cm × V:39.2 cm)
Display Pixels		Horizontal : 1366 dots × Vertical : 768 dots (W-XGA)
Audio Power Output		6 W + 6 W
Speaker		4.0 cm × 16.0 cm, oval type × 2
Aerial terminal (VHF/UHF)		75 Ω unbalanced, coaxial
Video / Audio Input-1/2	Component Video 750p / 1125i 625p / 525p / 625i / 525i	RCA pin jack × 3 Y : 1V (p-p) (Sync signal: ±0.35V(p-p), 3-value sync.), 75 Ω / Pb/Pr : ±0.35V(p-p), 75 Ω Y : 1V (p-p), Positive (Negative sync provided), 75 Ω / Pb/Pr : 0.7V(p-p), 75 Ω
	Video	1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 2
	Audio	500mV (rms), High impedance, RCA pin jack × 4
PC (RGB) Input	Video	D-sub 15 pin × 1 R/G/B : 0.7 V (p-p), 75Ω HD / VD : 1 V (p-p) to 5 V (p-p), high impedance < Available signal > VGA : 640 pixels × 480 pixels (Horizontal : 31.5 kHz / Vertical : 60 Hz) XGA : 1024 pixels × 768 pixels (Horizontal : 48.4 kHz / Vertical : 60 Hz)
	Audio	3.5 mm stereo mini jack × 1
HDMI Input	Video	HDMI connector × 3 (Digital-input terminal is not compatible with picture signals of computer signal)
	Audio	Digital: HDMI connector × 3 Analog: 500mV(rms) (-4dBs), high impedance, RCA pin jack × 2 [HDMI-1]
Video / Audio Output	Video	1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 1
	Audio	500mV (rms), Low impedance, RCA pin jack × 2
Headphone		3.5 mm stereo mini jack × 1
Remote Control Unit		RM-C2020 (AAA/R6 dry cell battery × 2)

Design & specifications are subject to change without notice.

LT-32EX19/RBCK

Items		Contents
Dimensions (W × H × D)		79.1 cm × 57.17 cm × 23.05 cm [with stand] 79.1 cm × 52.05 cm × 10.39 cm [without stand]
Mass		12.5 kg [with stand] 11.5 kg [without stand]
Power Input		AC110V - AC240 V, 50 Hz / 60 Hz
Power Consumption		131 W (Standby:1.8 W)
TV RF System		M, N
Colour System		NTSC / PAL-M / PAL-N
Stereo System		MTS (Multi-channel Television Sound)
Teletext System		CLOSED CAPTION
Receiving Frequency	VHF Low VHF High UHF CATV	46.25 MHz - 140.25 MHz 147.25 MHz - 423.25 MHz 431.25 MHz - 863.25 MHz Mid (X - Z+2, S1 - S10) / Super (S11 - S20) / Hyper (S21 - S41) bands
Intermediate Frequency	VIF SIF	38.0 MHz 33.5 MHz (4.5 MHz)
Colour Sub Carrier	PAL SECAM NTSC	4.43 MHz 4.40625 MHz / 4.25 MHz 3.58 MHz / 4.43 MHz
LCD panel		32V-inch wide aspect (16 : 9)
Screen Size		Diagonal : 80.0 cm (H: 69.7 cm × V:39.2 cm)
Display Pixels		Horizontal : 1366 dots × Vertical : 768 dots (W-XGA)
Audio Power Output		6 W + 6 W
Speaker		4.0 cm × 16.0 cm, oval type × 2
Aerial terminal (VHF/UHF)		75 Ω unbalanced, coaxial
Video / Audio Input-1/2	Component Video 750p / 1125i 625p / 525p / 625i / 525i	RCA pin jack × 3 Y : 1V (p-p) (Sync signal: ±0.35V(p-p), 3-value sync.), 75 Ω / Pb/Pr : ±0.35V(p-p), 75 Ω Y : 1V (p-p), Positive (Negative sync provided), 75 Ω / Pb/Pr : 0.7V(p-p), 75 Ω
	Video	1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 2
	Audio	500mV (rms), High impedance, RCA pin jack × 4
PC (RGB) Input	Video	D-sub 15 pin × 1 R/G/B : 0.7 V (p-p), 75Ω HD / VD : 1 V (p-p) to 5 V (p-p), high impedance < Available signal > VGA : 640 pixels × 480 pixels (Horizontal : 31.5 kHz / Vertical : 60 Hz) XGA : 1024 pixels × 768 pixels (Horizontal : 48.4 kHz / Vertical : 60 Hz)
	Audio	3.5 mm stereo mini jack × 1
HDMI Input	Video	HDMI connector × 3 (Digital-input terminal is not compatible with picture signals of computer signal)
	Audio	Digital: HDMI connector × 3 Analog: 500mV(rms) (-4dBs), high impedance, RCA pin jack × 2 [HDMI-1]
Video / Audio Output	Video	1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 1
	Audio	500mV (rms), Low impedance, RCA pin jack × 2
Headphone		3.5 mm stereo mini jack × 1
Remote Control Unit		RM-C2020 (AAA/R6 dry cell battery × 2)

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SECTION 1

PRECAUTION

1.1 SAFETY PRECAUTIONS

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (Δ) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- (4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : ($\perp$) side GND, the ISOLATED (NEUTRAL) : ($\equiv$) side GND and EARTH : ($\oplus$) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.
- (5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(6) Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) Dielectric Strength Test

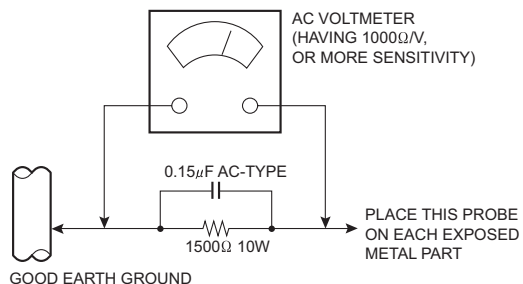
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

b) Leakage Current Check

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.). However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

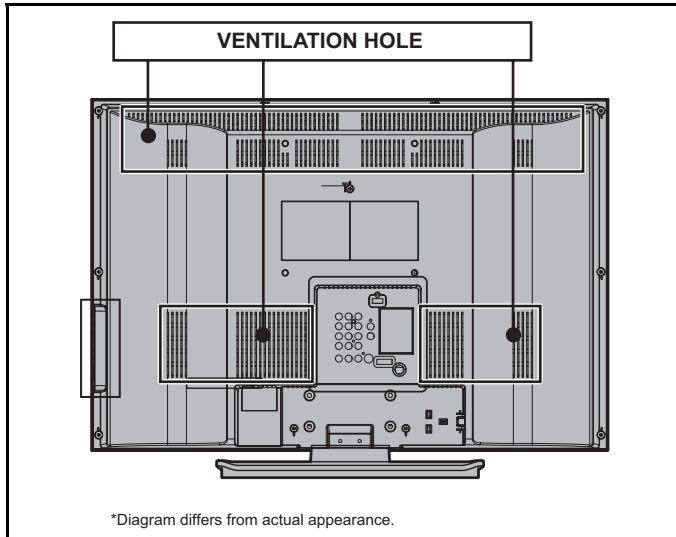
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 Ω per volt or more sensitivity in the following manner. Connect a 1500 Ω 10W resistor paralleled by a 0.15 μ F AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.7mA AC (r.m.s.). However, in tropical area, this must not exceed 0.35V AC (r.m.s.). This corresponds to 0.3mA AC (r.m.s.).



1.2 INSTALLATION

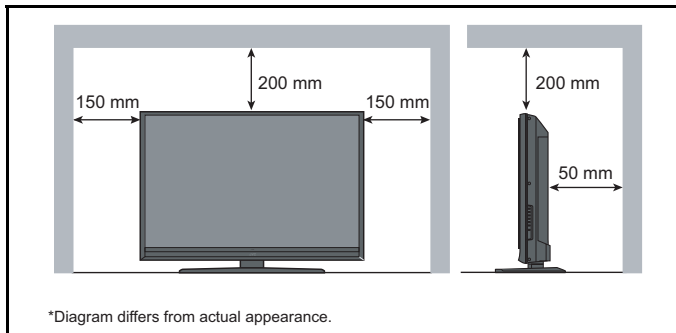
1.2.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically. Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.

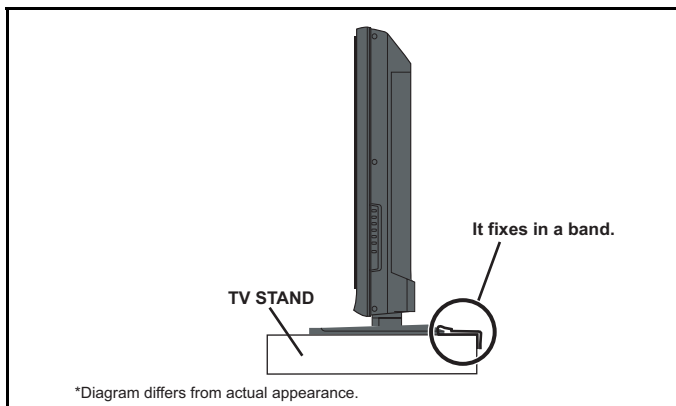


1.2.2 INSTALLATION REQUIREMENTS

Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc. Install the unit on stable flooring or stands. Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.



To ensure safety in an emergency such as an earthquake, and to prevent accidents, ensure that measures are taken to prevent the TV dropping or falling over.



1.2.3 NOTES ON HANDLING

When taking the unit out of a packing case, do not grasp the upper part of the unit. If you take the unit out while grasping the upper part, the LCD PANEL may be damaged because of a pressure. Instead of grasping the upper part, put your hands on the lower backside or sides of the unit.

1.3 HANDLING LCD PANEL

1.3.1 PRECAUTIONS FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal LCD panel due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention before delivery, such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the LCD panel of this unit is made of glass and therefore fragile:

- (1) **USE A SPECIAL PACKING CASE FOR THE LCD PANEL**
When transporting the LCD panel of the unit, use a special packing case (packing materials). A special packing case is used when a LCD panel is supplied as a service spare part.
- (2) **ATTACH PROTECTION SHEET TO THE FRONT**
Since the front (display part) of the panel is vulnerable, attach the protection sheet to the front of the LCD panel before transportation. Protection sheet is used when a LCD panel is supplied as a service spare part.
- (3) **AVOID VIBRATIONS AND IMPACTS**
The unit may be broken if it is toppled sideways even when properly packed. Continuous vibration may shift the gap of the panel, and the unit may not be able to display images properly. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.
- (4) **DO NOT PLACE EQUIPMENT HORIZONTALLY**
Ensure that it is placed upright and not horizontally during transportation and storage as the LCD panel is very vulnerable to lateral impacts and may break. During transportation, ensure that the unit is loaded along the traveling direction of the vehicle, and avoid stacking them on one another. For storage, ensure that they are stacked in 2 layers or less even when placed upright.

1.3.2 OPTICAL FILTER (ON THE FRONT OF THE LCD PANEL)

- (1) Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and COLOUR.
- (2) Clean the filter surface by wiping it softly and lightly with a soft and lightly fuzz cloth (such as outing flannel).
- (3) Do not use solvents such as benzene or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off. When cleaning the filter, usually use the neutral detergent diluted with water. When cleaning the dirty filter, use water-diluted ethanol.
- (4) Since the filter surface is fragile, do not scratch or hit it with hard materials. Be careful enough not to touch the front surface, especially when taking the unit out of the packing case or during transportation.

1.3.3 PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (REAR COVER, FRONT PANEL, etc.):

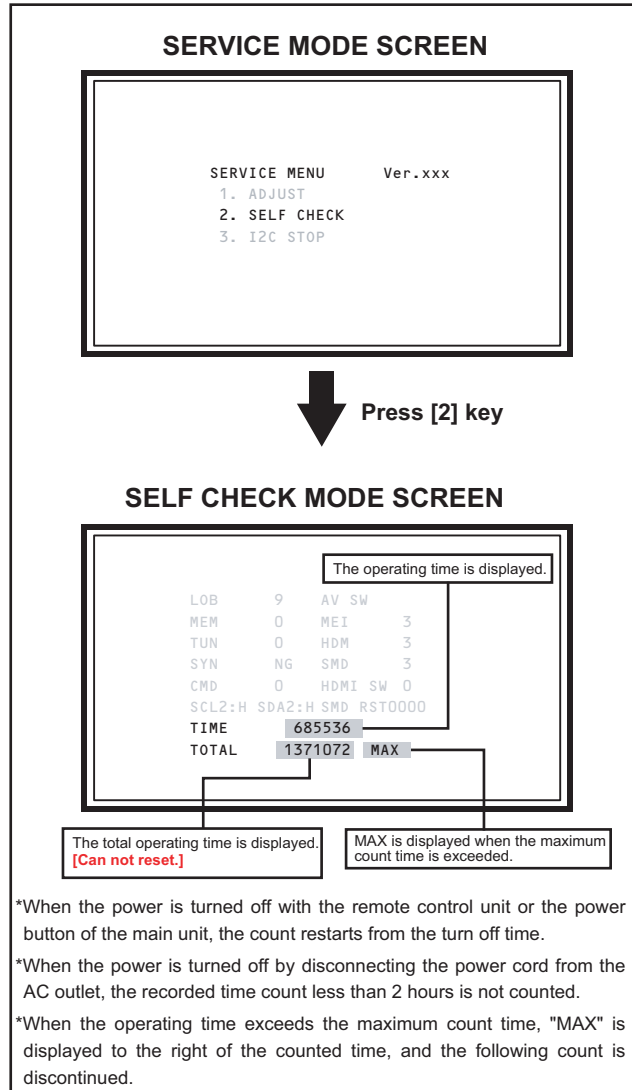
- (1) Do not exert pressure on the front of the LCD panel (filter surface). It may cause irregular COLOUR.
- (2) Pay careful attention not to scratch or stain the front of the LCD panel (filter surface) with hands.
- (3) When replacing exterior parts, the front (LCD panel) should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front (filter surface).

1.3.4 HOW TO CHECK THE OPERATING TIME

This model has a function to count and record the LCD panel operating time. The operating time can be checked in the following procedure.

- Maximum count time = 131072 hours

- (1) Press the **[DISPLAY]** key and **[MUTING]** key simultaneously, then enter the SERVICE MODE.
- (2) When the Main Menu is displayed, press **[2]** key to enter the self check mode.
- (3) The operating time of the LCD panel is displayed in 6 -digit decimal number.(Refer to the below figure)



1.3.5 HOW TO RESET THE OPERATING TIME

- (1) Press the **[DISPLAY]** key and **[MUTING]** key simultaneously, then enter the SERVICE MODE.
- (2) When the Main Menu is displayed, press **[2]** key to enter the self check mode.
- (3) When the self check screen is displayed, press **[ZOOM]** key to reset the operating time.

NOTE:

- When the LCD PANEL UNIT is replaced, be sure to reset the operating time following the above method.
- Cannot reset Total operating time.

SECTION 2

SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

Clear SD

LCD picture is unstable due to a large number of signal noise. Such noise appears extensively especially when an LCD displays SD signals. Clear SD mode resolves disadvantage for better picture quality.

HDMI INPUT

By connecting a HDMI compatible device, high definition pictures can be displayed on your TV in their digital form.

COLOUR MANAGEMENT

This function ensures dull colours are compensated to produce natural hues.

2.2 MAIN DIFFERENCE LIST

Item	LT-32EX19/AT	LT-32EX19/BBT	LT-32EX19/EBT	LT-32EX19/MAT	LT-32EX19/NBSK
Paint Color	Glossy Black	Glossy Black	Glossy Black	Glossy Black	Glossy Black
Power Input	AC110V - AC240V	AC110V - AC240V	AC220V - AC240V	AC110V - AC240V	AC220V - AC240V
Choke Coil	NO	NO	YES	NO	YES
Plug Type	Round pin type	Round pin type (TISI Plug)	Round pin type	Round pin type	Round pin type
OSD Language	Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal	Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal	Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal	Eng, Chi, Spa, Por, Rus	Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal
Stereo System	A2/NICAM	A2/NICAM	A2/NICAM	A2/NICAM (Area-1) MTS (Area-2)	A2/NICAM
Teletext	TELETEXT	TELETEXT	TELETEXT	TELETEXT (Area-1) CLOSED CAPTION (Area-2)	TELETEXT
LCD Panel Unit	QLD0566-001	QLD0620-001	QLD0620-001	QLD0566-001	QLD0620-001
DIGITAL PWB	SFU0D601A-H2	SFU0D604A-H8	SFU0D604A-H2	SFU0D608A-H2	SFU0D613A-H2
POWER PWB	SFU-9601A-H2	SFU-9607A-H8	SFU-9608A-H2	SFU-9601A-H2	SFU-9608A-H2
LED PB PWB	SFU-8601A-H2	SFU-8601A-H8	SFU-8601A-H2	SFU-8601A-H2	SFU-8603A-H2
SW PWB	SFU-7601A-H2	SFU-7601A-H8	SFU-7601A-H2	SFU-7601A-H2	SFU-7604A-H2
REMOTE PWB	SFU-7602A-H2	SFU-7602A-H8	SFU-7602A-H2	SFU-7602A-H2	SFU-7605A-H2
ANALOG PWB	SFU-1601A-H2	SFU-1601A-H8	SFU-1601A-H2	SFU-1601A-H2	SFU-1604A-H6

Item	LT-32EX19/PAT	LT-32EX19/RBCK	LT-32EX19/SAT	LT-32EX19/VBSK	LT-32EX29/NBSK
Power Input	Glossy Black	Glossy Black	Glossy Black	Glossy Black	Silver
Power Input	AC110V - AC240V	AC110V - AC240V	AC110V - AC240V	AC110V - AC240V	AC220V - AC240V
Choke Coil	NO	NO	NO	NO	YES
Plug Type	Flat pin type	Argentina pin type	UK pin type	Round pin type	Round pin type
OSD Language	Eng, Chi, Spa, Por, Rus	Eng, Chi, Spa, Por, Rus	Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal	Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal	Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal
Stereo System	MTS	MTS	A2/NICAM	A2/NICAM	A2/NICAM
Teletext	CLOSED CAPTION	CLOSED CAPTION	TELETEXT	TELETEXT	TELETEXT
LCD PANEL UNIT	QLD0566-001	QLD0620-001	QLD0566-001	QLD0620-001	QLD0620-001
DIGITAL PWB	SFU0D609A-H2	SFU0D623A-CK	SFU0D610A-H2	SFU0D612A-H2	SFU0D613A-H2
POWER PWB	SFU-9601A-H2	SFU-9605A-CK	SFU-9601A-H2	SFU-9607A-H2	SFU-9608A-H2
LED PWB	SFU-8601A-H2	SFU-8604A-CK	SFU-8601A-H2	SFU-8601A-H2	SFU-8603A-H2
SW PWB	SFU-7601A-H2	SFU-7607A-CK	SFU-7601A-H2	SFU-7601A-H2	SFU-7604A-H2
REMOTE PWB	SFU-7602A-H2	SFU-7608A-CK	SFU-7602A-H2	SFU-7602A-H2	SFU-7605A-H2
ANALOG PWB	SFU-1603A-H2	SFU-1605A-CK	SFU-1601A-H2	SFU-1601A-H2	SFU-1604A-H6

Item	LT-32EX19/AT	LT-32EX19/BT	Description
LCD PANEL UNIT	QLD0566-001	QLD0620-001	No compatible
DIGITAL PWB	SFU0D601A-H2	SFU0D604A-H2	No compatible
POWER PWB	SFU-9601A-H2	SFU-9607A-H2	No compatible

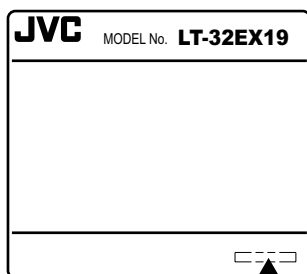
Item	LT-32EX19/MAT	LT-32EX19/MBT	Description
LCD PANEL UNIT	QLD0566-001	QLD0620-001	No compatible
DIGITAL PWB	SFU0D608A-H2	SFU0D605A-H2	No compatible
POWER PWB	SFU-9601A-H2	SFU-9607A-H2	No compatible

Item	LT-32EX19/PAT	LT-32EX19/PBT	Description
LCD PANEL UNIT	QLD0566-001	QLD0620-001	No compatible
DIGITAL PWB	SFU0D609A-H2	SFU0D606A-H2	No compatible
POWER PWB	SFU-9601A-H2	SFU-9607A-H2	No compatible

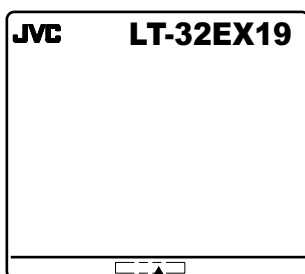
Item	LT-32EX19/SAT	LT-32EX19/SBT	Description
LCD PANEL UNIT	QLD0566-001	QLD0620-001	No compatible
DIGITAL PWB	SFU0D610A-H2	SFU0D611A-H2	No compatible
POWER PWB	SFU-9601A-H2	SFU-9607A-H2	No compatible

2.3 HOW TO IDENTIFY MODELS

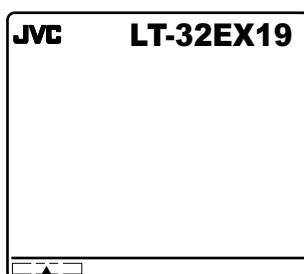
Distinguish name is added at the bottom of the rating label.



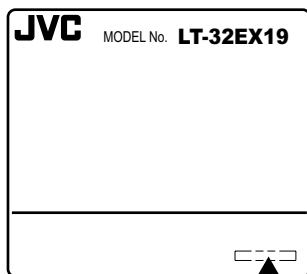
LT-32EX19AT
LT-32EX19SAT
LT-32EX19BT
LT-32EX19SBT



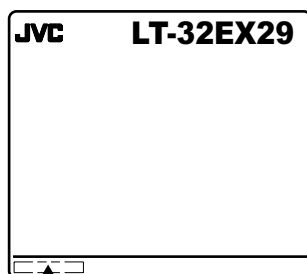
LT-32EX19PAT
LT-32EX19PBT
LT-32EX19BBT



LT-32EX19MAT
LT-32EX19MBT
32EX19-NBSK
32EX19-RBCK
LT-32EX19EBT



32EX29-VBSK



32EX29-NBSK

2.4 TECHNICAL INFORMATION

2.4.1 LCD PANEL

This unit uses the flat type panel LCD (Liquid Crystal Display) panel that occupies as little space as possible, instead of the conventional CRT (Cathode Ray Tube), as a display unit.

Since the unit has the two polarizing filter that are at right angles to each other, the unit adopts "normally black" mode, where light does not pass through the polarizing filter and the screen is black when no voltage is applied to the liquid crystals.

2.4.1.1 SPECIFICATIONS

The following table shows the specifications of this unit.

Item	Specifications	
	QLD0566-001	QLD0620-001
Maximum dimensions (W × H × D)	76.0 cm × 45.0 cm × 4.5 cm	76.0 cm × 45.0 cm × 4.8 cm
Weight	6.5 kg	5.7 kg
Screen size	Diagonal : 80.0 cm (H: 69.7 cm × V:39.2 cm)	
Aspect ratio	16 : 9	
Drive device / system	a-Si-TFT active matrix system	
Resolution	Horizontally 1366 × Vertically 768 × RGB <W-XGA> 3147264 dots in total	
Pixel pitch (pixel size)	Horizontally: 0.51075 mm, Vertically: 0.17025 mm	
Displayed colour	16777216 colours 256 colours for R G and B	
Brightness	450cd/m ²	500cd/m ²
Contrast ratio	2500 : 1	1200 : 1
Response time (Tr)	less than 6.5 ms	less than 8 ms
View angle (Horizontally)	178°	
View angle (Vertically)	178°	
Surface polarizer	Anti-Glare type Low reflective coat	
Colour filter	Vertical stripe	
Backlight	Cold cathode fluorescent lamp × 7(U-type)	Cold cathode fluorescent lamp × 12
Power supply voltage in LCD	12 V	
Power supply voltage in inverter	24 V	
Panel interface system	LVDS (Low Voltage Differential Signaling)	

2.4.1.2 PIXEL FAULT

There are three pixel faults - bright fault, dark fault and flicker fault - that are respectively defined as follows.

■ BRIGHT FAULT

In this pixel fault, a cell that should not light originally is lighting on and off.

For checking this pixel fault, input ALL BLACK SCREEN and find out the cell that is lighting on and off.

■ DARK FAULT

In this pixel fault, a cell that should light originally is not lighting or lighting with the brightness twice as brighter as originally lighting.

For checking this pixel fault, input 100% of each R/G/B colour and find out the cell that is not lighting.

■ FLICKER FAULT

In the pixel fault, a cell that should light originally or not light originally is flashing on and off.

For checking this pixel fault, input ALL BLACK SCREEN signal or 100% of each RGB colour and find out the cell that is flashing on and off.

2.4.2 MAIN CPU PIN FUNCTION [IC7001 : DIGITAL PWB]

Pin	Pin name	I/O	Function
1	SDVDD	-	3.3V power supply
2	VDD33BIAS	-	3.3V power supply
3	REFRIN	I	Bias setting for LVDS
4	VSS33GIAS	-	GND
5	OTXOUT4P	-	Not used
6	OTXOUT4M	-	Not used
7	OTXOUT3P	-	Not used
8	OTXOUT3M	-	Not used
9	OTXCLKOUTP	-	Not used
10	OTXCLKOUTM	-	Not used
11	VDD33LVDS	-	3.3V power supply
12	OTXOUT2P	-	Not used
13	OTXOUT2M	-	Not used
14	VSS33LVDS	-	GND
15	OTXOUT1P	-	Not used
16	OTXOUT1M	-	Not used
17	OTXOUT0P	-	Not used
18	OTXOUT0M	-	Not used
19	LPF2	I	LPF setting for PLL
20	PLLAVDD	-	3.3V power supply
21	VCCQ33	-	3.3V power supply
22	VCCQ10	-	1.05V power supply
23	VCCQ10	-	1.05V power supply
24	SXIN	I	36.864MHz oscillation for sampling clock
25	SXOUT	O	36.864MHz oscillation for sampling clock
26	GPIO13/CSIO0_TXD/ UART0_TXD/MSQ	O	Reset for HDMI-2 [Reset=L]
27	GPIO14/CSIO0_RXD/ UART0_RXD/MSD	O	Power LED(blue lighting [ON=H])
28	GPIO15/CSIO0_SCLK/ MST	-	Not used
29	GPIO16/CSIO0_RTS/ UART0_RTS/MSN	-	Not used
30	GPIO17/CSIO0_CTS/ UART0_CTS	O	Power on/off control main power [ON=L]
31	GPIO20/CSIO1_TXD/ UART1_TXED	O	Power on/off control PFC [ON=L]
32	I2SMCLK	O	Master clock for I2S BUS
33	I2SSD1	I/O	Data for I2S bus
34	VCCQ33	-	3.3V power supply
35	I2SWS1	O	Word select for I2S bus
36	I2SSCLK1	O	Clock for I2S bus
37	GPIO21/CSIO1_RXD/ UART1_RXD	O	Power on/off control for low bias line [ON= L]
38	GPIO22/CSIO1_SCLK/ SODIF	O	Reset for HDMI-1 [Reset=L]
39	SDVDD	-	3.3V power supply
40	VCCQ10	-	1.05V power supply
41	VCCQ10	-	1.05V power supply
42	VBUSUSB	-	Not used
43	R_OUT1	O	Audio out R for Monitor
44	SDAVSS1	-	GND
45	VCOM1_DAC	O	Reference voltage setting
46	SDAVDD1	-	3.3V power supply
47	L_OUT1	O	Audio out L for Monitor
48	VCCQ33	-	3.3V power supply
49	R_OUT2	O	Audio out R for Main
50	SDAVSS2	-	GND
51	VCOM2_DAC	O	Reference voltage setting
52	SDAVDD2	-	3.3V power supply
53	L_OUT2	-	Audio out L for Main
54	SDVDD	-	3.3V power supply
55	DGND	-	GND
56	SMUX_AVDD33	O	3.3V power supply

Pin	Pin name	I/O	Function
57	SMUX_AVSS	-	GND
58	VREF1	I	Reference voltage setting
59	VREF2	I	Reference voltage setting
60	SIF	I	SIF for VHF/UHF tuner
61	SADC_AVDD33	-	3.3V power supply
62	SADC_AVSS	-	GND
63	R_IN/I2SWS3	I	Audio input R
64	DMY/I2SSCK3	-	Not used
65	SADC_AVSS	-	GND
66	SADC_AVDD33	-	3.3V power supply
67	VCOM_SOUNDADC	I	Reference voltage setting
68	SADC_AVDD33	-	3.3V power supply
69	SADC_AVSS	-	GND
70	L_IN/I2SSD3	I	Audio input L
71	SADC_AVSS	-	GND
72	SADC_AVDD33	-	3.3V power supply
73	VCCQ10	-	1.05V power supply
74	VCCQ33	-	3.3V power supply
75	DFPUSB	-	Not Used
76	DFMUSB	-	Not Used
77	VCCQ10	-	1.05V power supply
78	VCCQ10	-	1.05V power supply
79	VCCQ10	-	1.05V power supply
80	AVDDPLL	-	3.3V power supply
81	PLLXFCA	I	Filter setting for HDMI
82	AVSSPLL	-	GND
83	PLLXFCP	I	Filter setting for HDMI
84	AVSSPLL	-	GND
85	PLLXFCX	I	Filter setting for HDMI
86	AVSSPLL	-	GND
87	PWR	I	Power status detect for HDMI
88	HDMISCL	I	Clock for I2C bus (for HDMI)
89	HDMISCA	I/O	Data for I2C bus (for HDMI)
90	VSSE	-	GND
91	VDDE	-	3.3V power supply
92	AVDDHDMI	-	3.3V power supply
93	RXCN	I	TMDS clock for HDMI
94	RXCP	I	TMDS clock for HDMI
95	AVSSHDMI	-	GND
96	RX0N	I	TMDS data for HDMI
97	RX0P	I	TMDS data for HDMI
98	AVDDHDMI	-	3.3V power supply
99	AVSSHDMI	-	GND
100	RX1N	I	TMDS data for HDMI
101	RX1P	I	TMDS data for HDMI
102	AVDDHDMI	-	3.3V power supply
103	RX2N	I	TMDS data for HDMI
104	RX2P	I	TMDS data for HDMI
105	AVSSHDMI	-	GND
106	EXTRES	I	For external resister
107	PVDD	-	3.3V power supply
108	PVSS	-	GND
109	DGND	-	GND
110	VCCQ10	-	1.05V power supply
111	SDVDD	-	3.3V power supply
112	VDDQ	-	GND
113	XOUT	O	27MHz oscillation for CPU system clock
114	XIN	I	27MHz oscillation for CPU system clock
115	VCCQ10	-	1.05V power supply
116	VCCQ33	-	3.3V power supply
117	MPSEL	I	Mode select for external operation [External=L]
118	SDO	O	Data for external flash memory

Pin	Pin name	I/O	Function
119	SDI	I	Data for external flash memory
120	CS	O	Chip select for external flash memory
121	RESET	I	CPU reset [Reset=L]
122	VCCQ10	-	1.05V power supply
123	SCK	O	Clock for external flash memory
124	GOIO23/CSIO1_RTS/ UART1_RTS/ UART3_TXD	-	Not used
125	GOIO24/CSIO1_CTS/ UART1_CTS/ UART3_RXD	-	Not used
126	SDITDO	O	Data for external flash memory
127	SDITDI	I	Data for external flash memory
128	SDITCK	I	Clock for external flash memory
129	VCCQ10	-	1.05V power supply
130	SDVDD	-	3.3V power supply
131	VCCQ33	-	3.3V power supply
132	SDITRST	I	Reset for external flash memory
133	SDITMS	I	Mode select for external flash memory
134	GPIO00/MFT0A/MFT1B/ PWD0	O	DC dimming control for back-light inverter
135	GPIO01/MFT1A/MFT0B/ PWD1	O	PWM dimming control for back-light inverter
136	GPIO02/MFT2A/MFT7B/ UART2_TXD	O	Power on/off control for back-light [60Hz=H]
137	GPIO03/MFT3A/MFT2B/ UART2_RXD	I	Headphone detect [Detect=H]
138	GPIO04/MFT4A/MFT3B/ CSIO2_TXD	O	Power on/off control for LCD [ON=L]
139	GPIO05/MFT5A/MFT4B/ CSIO2_RXD	I	Remote control sensor input
140	GPIO06/MFT6A/MFT5B/ CSIO2_SCLK	O	Rest for HDMI-3
141	GPIO07/SCL0	O	Clock for I2C bus (EEPROM)
142	GPIO10/_SDA0	I/O	Data for I2C bus (EEPROM)
143	VCCQ10	-	1.05V power supply
144	GPIO11/SCL1	O	Clock for I2C bus (fro tuner/audio/HDMI)
145	GPIO12/SDA1	I/O	Data for I2C bus (fro tuner/audio/HDMI)
146	HDIN(PC)	I	H sync for PC
147	VDIN(PC)	I	V sync for PC
148	VCCQ33	-	3.3V power supply
149	PLLSAVDD	-	3.3V power supply
150	SDVDD	-	3.3V power supply
151	PLLDVDD	-	3.3V power supply
152	PLLMVDD	-	3.3V power supply
153	ADIN4/INPUT04/ CSIO_CTS/UART0_CTS	I	AFT voltage for VHF/UHF tuner
154	ADIN3/INPUT03	I	Key scan for side control (Input/Vol+/Vol-)
155	ADIN2/INPUT02/INT2	I	Key scan for side control (Power/ CH+/ CH-/Menu)
156	ADIN1/INPUT01/INT1	-	Not used
157	ADIN0/INPUT00/INT0	I	Power abnormality detection [Emergent=H]
158	MAVDD	-	3.3V power supply
159	SSIN1	I	Y sync input
160	SSIN2	-	Not used
161	VINFB	-	Not used
162	DGND	-	GND
163	ADCVDDA18	-	1.8V power supply
164	VIN1A	I	PC G for input-PC
165	ADCVSSA	-	GND
166	VIN2A	I	Y for input-1
167	ADCVDDA18	-	1.8V power supply
168	VVIN3A	-	Not used
169	ADCVSSA	-	GND
170	VREFA	I	Reference voltage setting
171	ADCVDDA33	-	3.3V power supply

Pin	Pin name	I/O	Function
172	AVSSSL	-	GND
173	AVDDSL	-	3.3V power supply
174	ADCVDDMX33	-	3.3V power supply
175	ADCVDDMX18	-	1.8V power supply
176	REXT	I	For external resistor
177	VRP	I	Reference voltage setting
178	VRM	I	Reference voltage setting
179	ADCVSSMX	-	GND
180	ADCVDDDB18	-	1.8V power supply
181	VIN1B	I	PC B for input-PC
182	ADCVSSB	-	GND
183	VIN2B	I	Pb for input-1
184	ADCVDDDB18	-	1.8V power supply
185	VIN3B	-	Not used
186	ADCVSSB	-	GND
187	VREFB	I	Reference voltage setting
188	ADCVDDDB33	-	3.3V power supply
189	ADCVDDC18	-	1.8V power supply
190	VIN1C	I	PC R for input-PC
191	ADCVSSC	-	GND
192	VIN2C	I	Pr for input-1
193	ADCVDDC18	-	1.8V power supply
194	VREFC	I	Reference voltage setting
195	ADCVSSC	-	GND
196	ADCVDDC33	-	3.3V power supply
197	PLL1VDD33A	-	3.3V power supply
198	LPF1	I	LPF setting for PLL
199	PLL1VSS33A	-	GND
200	PLL1VDDD	-	3.3V power supply
201	PLL1VSSD	-	GND
202	VCCQ10	-	1.05V power supply
203	ETXOUT4P	-	Not used
204	ETXOUT4M	-	Not used
205	ETXOUT3P	O	LVDS data for LCD panel
206	ETXOUT3M	O	LVDS data for LCD panel
207	ETXCLKOUTP	O	LVDS data for LCD panel
208	ETXCLKOUTM	O	LVDS data for LCD panel
209	VDD33LVDS	-	3.3V power supply
210	ETXOUT2P	O	LVDS data for LCD panel
211	ETXOUT2M	O	LVDS data for LCD panel
212	VSS33LVDS	-	GND
213	ETXOUT1P	O	LVDS data for LCD panel
214	ETXOUT1M	O	LVDS data for LCD panel
215	ETXOUT0P	O	LVDS data for LCD panel
216	ETXOUT0M	O	LVDS data for LCD panel

SECTION 3

DISASSEMBLY

3.1 CAUTION AT DISASSEMBLY

- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.
- Be sure to reattach the wire clamps removed during the procedure to the original positions. (Attaching the wire clamps in wrong positions may affect the performance.)

REFERENCE:

When removing each board, remove the connector if necessary. The operation is easier if you write down the connection points (connector numbers) of the connector. For connection of each board, refer to the "WIRING DIAGRAM" of the Standard Circuit Diagram.

3.2 DISASSEMBLY PROCEDURE (MAIN UNIT)

3.2.1 REMOVING THE REAR COVER (Fig.3-1)

- (1) Remove the 1 screw [A].
- (2) Remove the POWER CORD COVER.
- (3) Remove the POWER CORD.
- (4) Remove the 2 screws [B], 16 screws [C] and 3 screws [D].
- (5) Remove the REAR COVER.

3.2.2 REMOVING THE POWER PWB (Fig.3-1)

- Remove the REAR COVER.
- Remove the POWER CORD.
 - (1) Remove the 6 screws [E].
 - (2) Remove the POWER PWB.

3.2.3 REMOVING THE CHOKE COIL (Fig.3-1)

- Remove the REAR COVER.
 - (1) Remove the 2 screws [F].
 - (2) Remove the CHOKE COIL.

3.2.4 REMOVING THE ANALOG PWB (Fig.3-1)

- Remove the REAR COVER.
 - (1) Remove the 3 screws [G].
 - (2) Remove the ANALOG PWB.

3.2.5 REMOVING THE DIGITAL PWB (Fig.3-1)

- Remove the REAR COVER.
 - (1) Remove the 1 screw [H].
 - (2) Remove the TERMINAL COVER.
 - (3) Remove the 4 screws [J].
 - (4) Remove the DIGITAL PWB.

3.2.6 REMOVING THE SW PWB (Fig.3-1)

- Remove the REAR COVER.
 - (1) Remove the 2 hooks [a].
 - (2) Remove the CONTROL KNOB with SW PWB.
 - (3) Remove the SW PWB from the CONTROL KNOB.

3.2.7 REMOVING THE REMOTE PWB (Fig.3-1)

- Remove the REAR COVER.
 - (1) Remove the 1 screw [K].
 - (2) Remove the REMOTE PWB.

3.2.8 REMOVING THE SPEAKER (Fig.3-1)

- Remove the REAR COVER.
 - (1) Remove the SPEAKER.

3.2.9 REMOVING THE STAND (Fig.3-1)

- (1) Remove the 4 screws [L].
- (2) Remove the STAND.

3.2.10 REMOVING THE LED PWB (Fig.3-1)

- Remove the REAR COVER.
- Remove the STAND.
 - (1) Remove the 6 screws [M], 2 screws [N] and 3 screws [P].
 - (2) Remove the MAIN BASE.
 - (3) Remove the 2 screws [Q] and 2 screws [R].
 - (4) Remove the BOTTOM FRAME.
 - (5) Remove the 2 screws [S].
 - (6) Remove the LED PWB.

3.2.11 REMOVING THE LCD PANEL UNIT (Fig.3-1)

- Remove the REAR COVER.
- Remove the STAND.
- Remove the MAIN BASE.
- Remove the BOTTOM FRAME.
 - (1) Remove the 1 screw [K].
 - (2) Remove the REMOTE PWB and LCD SUPPORT BRACKET(R).
 - (3) Remove the 1 screw [T].
 - (4) Remove the LCD SUPPORT BRACKET(L).
 - (5) Remove the 3 screws [U].
 - (6) Remove the TOP FRAME.
 - (7) Remove the LCD PANEL UNIT from the FRONT PANEL.

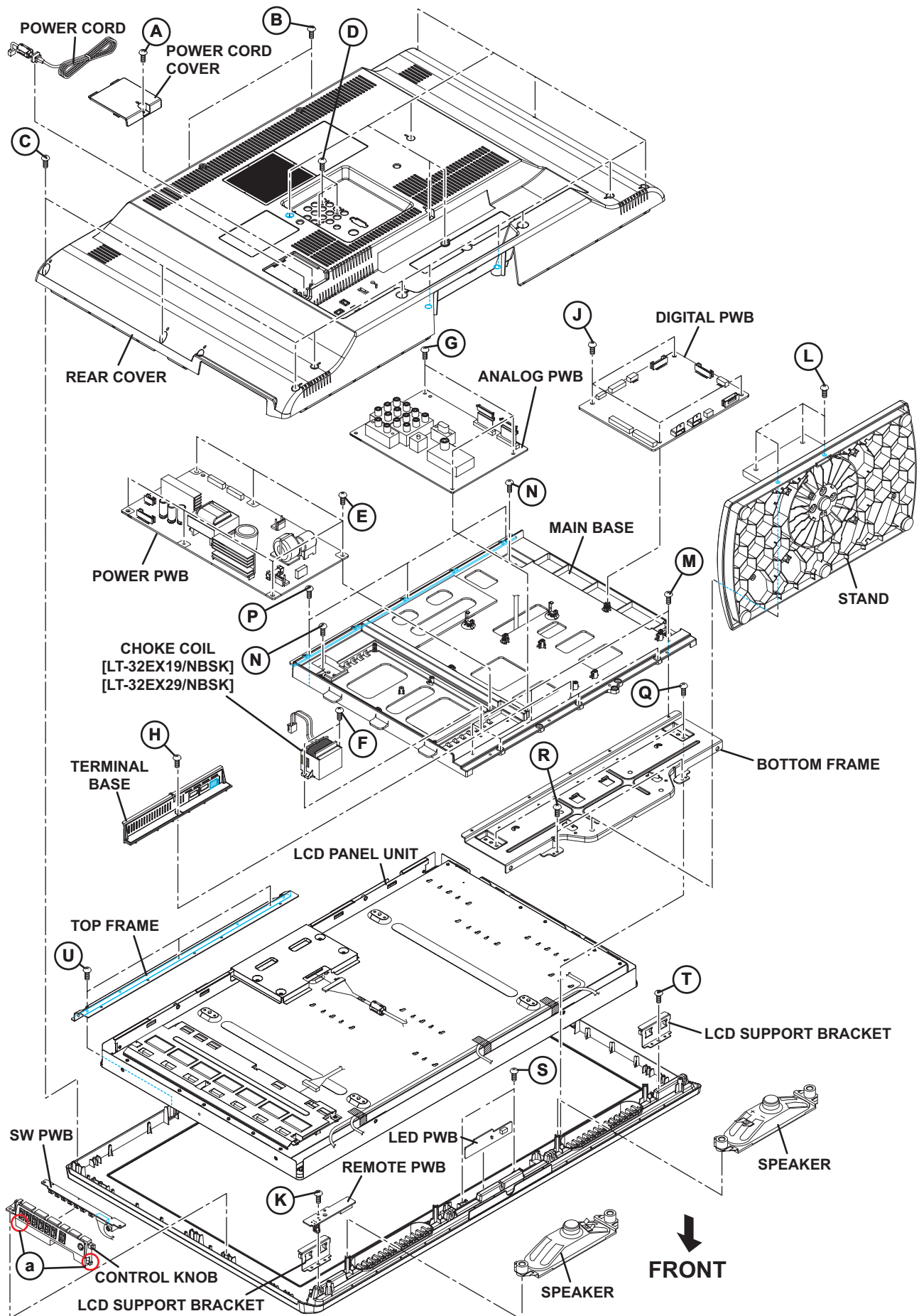


Fig.3-1

3.3 DISASSEMBLY PROCEDURE (LCD PANEL UNIT [QLD0566-001])

3.3.1 REMOVING THE CONTROL PWB (Fig.3-2)

- Remove the REAR COVER.
- Remove the STAND.
- Remove the MAIN BASE.
 - (1) Remove the 4 screws [A].
 - (2) Remove the CONTROL PWB COVER.
 - (3) Remove the CONTROL PWB.

3.3.2 REMOVING THE INVERTER PWB (Fig.3-2)

- Remove the REAR COVER.
 - (1) Remove the 6 screws [B].
 - (2) Remove the INVERTER PWB COVER.
 - (3) Remove the INVERTER PWB.

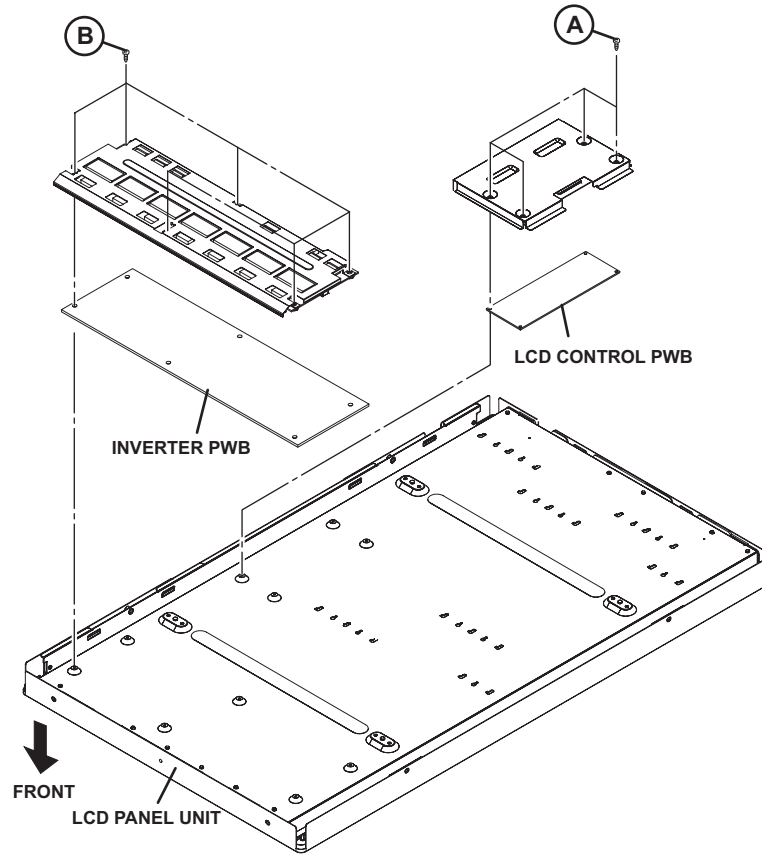


Fig.3-2

3.4 DISASSEMBLY PROCEDURE (LCD PANEL UNIT [QLD0620-001])

3.4.1 REMOVING THE LCD CONTROL PWB (Fig.3-3)

- Remove the REAR COVER.
- Remove the STAND.
- Remove the MAIN BASE.
 - (1) Remove the 2 screws [A].
 - (2) Remove the LCD CONTROL PWB COVER.
 - (3) Remove the LCD CONTROL PWB.

3.4.2 REMOVING THE INVERTER PWB (Fig.3-3)

- Remove the REAR COVER.
- Remove the STAND.
- Remove the MAIN BASE.
 - (1) Remove the 3 screws [B].
 - (2) Remove the INVERTER PWB COVER.
 - (3) Remove the INVERTER PWB.

3.4.3 REMOVING THE BACK LIGHT UNIT (Fig.3-3)

- Remove the REAR COVER.
- Remove the LCD PANEL UNIT.
 - (1) Remove the 4 screws [C].
 - (2) Remove the PANEL FRAME.
 - (3) Remove the LCD PANEL from the BACK LIGHT UNIT.

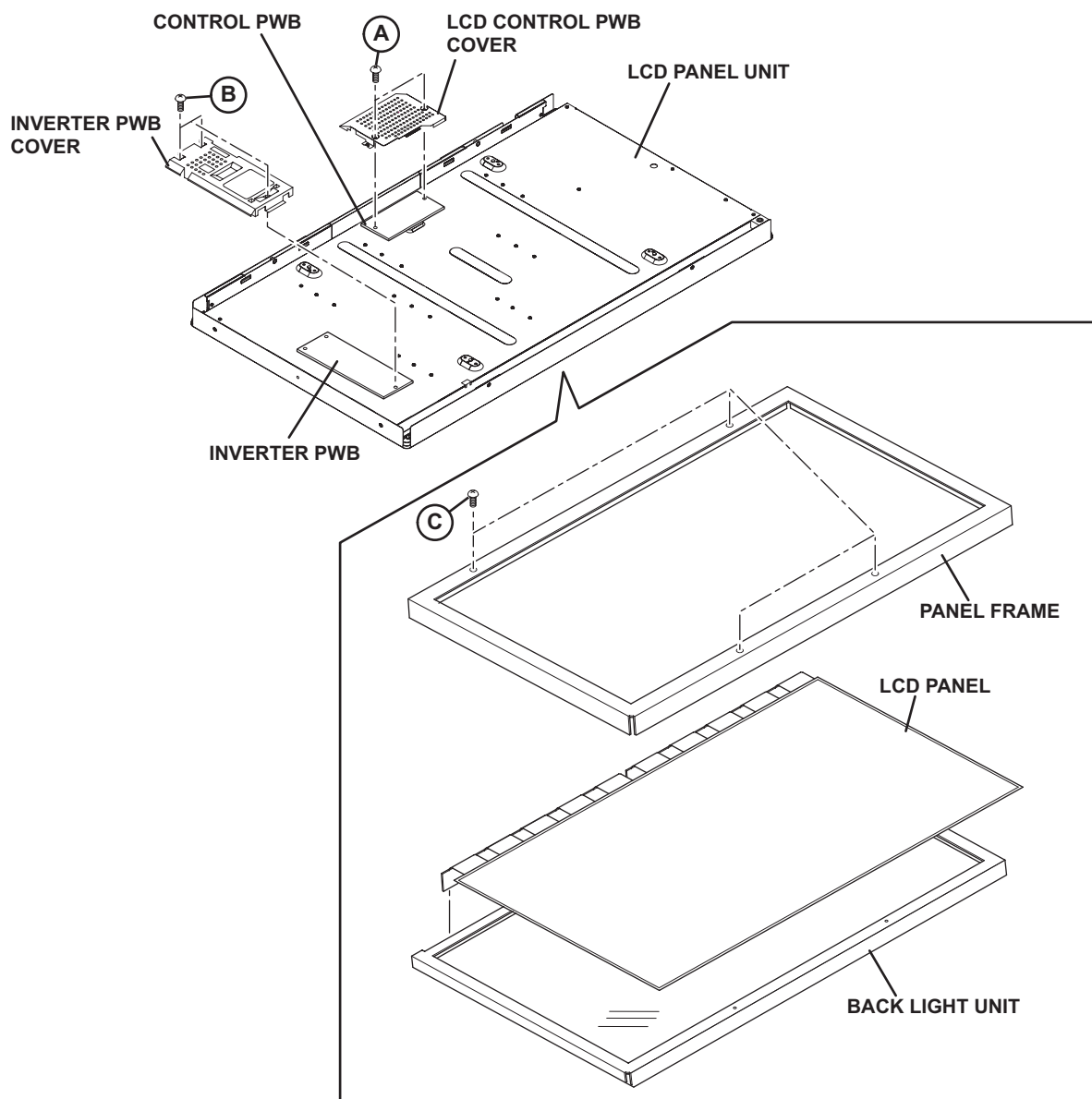


Fig.3-3

3.5 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.5.1 MEMORY IC TABLE

Symbol	Number of pins	Mounting PWB	Main content of data
IC7002	8-pin	DIGITAL PWB	Setting value of IC7001 (MAIN CPU) is memorized.
IC7003	8-pin	DIGITAL PWB	Programming data of IC7001 (MAIN CPU) is memorized.

3.5.2 MEMORY IC REPLACEMENT PROCEDURE

1. POWER OFF

Switch off the power and disconnect the power plug from the AC outlet.

2. REPLACE THE MEMORY IC

Be sure to use the memory IC written with the initial setting values.

3. POWER ON

Connect the power plug to the AC outlet and switch on the power.

4. SERVICE MODE SETTING [SYSTEM CONSTANT SETTING]

- (1) Press the **[DISPLAY]** key and **[MUTING]** key simultaneously, then enter the SERVICE MODE.
- (2) Press the **[8]** key, then enter the SYSTEM CONSTANT SET SCREEN.
- (3) Check the setting values of the SYSTEM CONSTANT SET. If the value is different, set the correct value with the **[FUNCTION ◀ / ▶]** key.

5. RECEIVING CHANNEL SETTING

Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

6. USER SETTING

Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

7. SERVICE MODE SETTING [ADJUST MODE SETTING]

Verify what to set in the SERVICE MODE, and set whatever is necessary (Fig.3-4). Refer to the SERVICE ADJUSTMENT for setting.

Setting mode	Item No.	Setting items
1.ADJUST	S001	R DRIVE MID
	S002	G DRIVE MID
	S003	B DRIVE MID
	S004	R DRIVE COOL
	S005	G DRIVE COOL
	S006	B DRIVE COOL
	S007	R DRIVE WARM
	S008	G DRIVE WARM
	S009	B DRIVE WARM

* Input PAL White Raster signal 75% (Y = 525 mV and SYNC = 0.3 V) at VDO 2 for adjustment.

■SERVICE MODE SCREEN

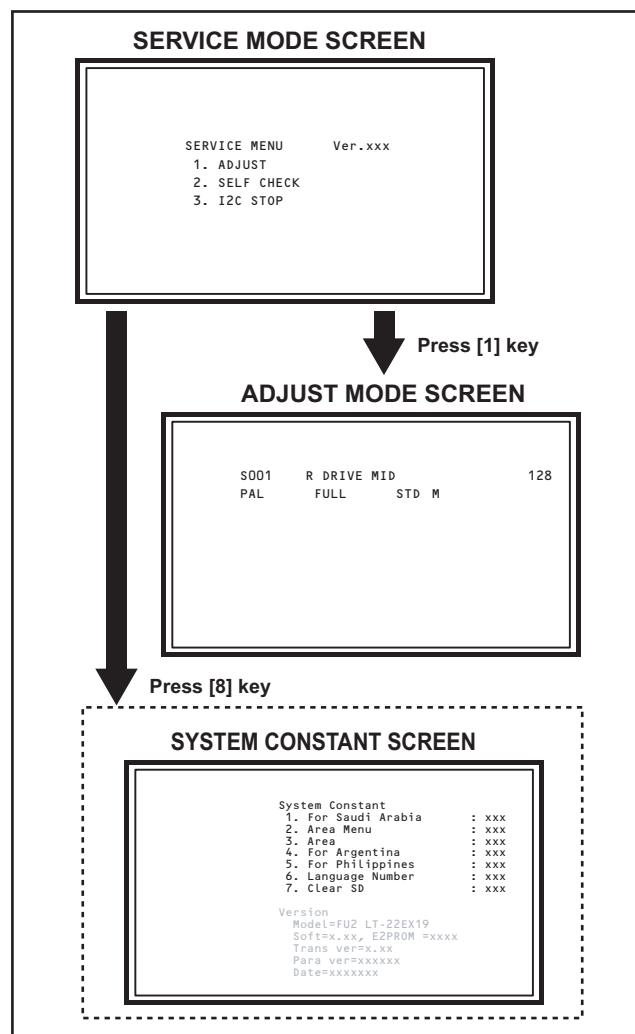


Fig.3-4

■SYSTEM CONSTANT SETTING

Setting item	Setting value				
	Other models	LT-32EX19/MAT LT-32EX19/MBT	LT-32EX19/PAT LT-32EX19/PBT	LT-32EX19/SAT LT-32EX19/STB	LT-32EX19/RBCK
1.For Saudi Arabia	No	No	No	Yes	No
2.Area Menu	Off	On	Off	Off	Off
3.Area	1	1	2	1	2
4.For Argentina	No	No	No	No	Yes
5.For Philipines	No	No	Yes	No	No
6.Language Number	10	5	5	10	5
7.HDMI	3	3	3	3	3
8.Clear SD	RV	RV	RV	RV	RV

3.5.3 SETTINGS OF FACTORY SHIPMENT [LT-32EX19/AT, LT-32EX19/BT, LT-32EX19/BBT, LT-32EX19/EBT, LT-32EX19/NB-SK, LT-32EX19/SAT, LT-32EX19/STB, LT-32EX19/VBSK, LT-32EX29/NBSK]

3.5.3.1 BUTTON OPERATION

Setting item	Setting position
Power	Off
Channel	PR1
Volume	15
TV/AV	TV

3.5.3.2 REMOTE CONTROL DIRECT OPERATION

Setting item	Setting position
Channel	PR1
Volume	15
Sub Power	Off

3.5.3.3 REMOTE CONTROL MENU OPERATION

(1) PICTURE

Setting item		Setting position
Picture Mode		Bright
White balance		Cool
FEATURES		
Clear SD	RF	Mode-1
	Other	Off
Digital VNR		On
DigiPure		On
Pull Down		Off
Colour Management		On
Picture Management		On
Smart Picture		On
Dynamic Backlight		On
MPEG Noise Reduction		Off
Colour System	TV	Depends on PR/CH
	EXT	Auto
Zoom		Auto (Panoramic)

(2) SOUND

Setting item	Setting position
STEREO / I+II	Stereo sound
Sound Meister	Dynamic
Treble	-
Bass	-
Surround	-
Balance	Centre
Voice Enhancer	Off
AI Volume	On

(3) FEATURES

Setting item	Setting position
On Timer	00:00
Sleep Timer	Off
Channel Guard	Off (ID:0000)
Blue Back	On
Child Lock	Off
Auto Shutoff	Off
Favorite Setting	Blank
Power Lamp	On
Eco Mode	Off

(4) SET UP

Setting item	Setting position
Auto Program	TV channel automatically set
Edit/manual	Preset CH only
Language	English
Video-1 Setting	Component
Appearance	Size-1
Teletext Language	Group-1
HDMI SETTING	
HDMI-1/2/3 Size	Auto
HDMI-1 Audio	Auto
PC Setting	Center

3.5.4 SETTINGS OF FACTORY SHIPMENT [LT-32EX19/MAT, LT-32EX19/MBT]

3.5.4.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	PR01 (Area-1) CH 02 (Area-2)
VOLUME	15
TV/AV	TV

3.5.4.2 REMOTE CONTROL DIRECT OPERATION

Setting item	Setting position
CHANNEL	PR01 (Area-1) CH 02 (Area-2)
VOLUME	15
SUB POWER	OFF

3.5.4.3 REMOTE CONTROL MENU OPERATION

(1) PICTURE

Setting item	Setting position
Picture Mode	Bright
White balance	Cool
FEATURES	
Clear SD	RF Mode-1
	Other Off
Digital VNR	On
DigiPure	On
Pull Down	Off
Color Management	On
Picture Management	On
Smart Picture	On
Dynamic Backlight	On
MPEG Noise Reduction	Off
Color System	TV Depends on PR/CH
	EXT Auto
Zoom	Auto (Panoramic)

(2) SOUND

Setting item	Setting position
STEREO / I•II (Area-1)	Stereo sound
MTS (Area-2)	Stereo
Sound Meister	Dynamic
Treble	-
Bass	-
Surround	-
Balance	Centre
Voice Enhancer	Off
AI Volume	On

(3) FEATURES

Setting item	Setting position
On Timer	00:00 (PR01) (Area-1) 00:00 (PR02) (Area-2)
Sleep Timer	Off
Channel Guard	Off (ID:0000)
Blue Back	On
Child Lock	Off
Auto Shutoff	Off
Favorite Setting	Blank
Power Lamp	On
Eco Mode	Off

(4) SET UP

Setting item	Setting position
Auto Program	TV channel automatically set
Edit/manual (Area-1)	Preset CH only
Channel Summary (Area-2)	Preset CH only
Language	English
Video-1 Setting	Component
AI Volume	On
Appearance	Size-1
Teletext Language (Area-1)	Group-1
HDMI SETTING	
HDMI-1/2/3 Size	Auto
HDMI-1 Audio	Auto
PC Setting	Center
Closed caption (Area-2)	Off (Caption: CC1, Text: T1)

3.5.5 SETTINGS OF FACTORY SHIPMENT [LT-32EX19/PAT, LT-32EX19/PBT, LT-32EX19/RBCK]

3.5.5.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	CH 02
VOLUME	15
TV/AV	TV

3.5.5.2 REMOTE CONTROL DIRECT OPERATION

Setting item	Setting position
CHANNEL	CH 02
VOLUME	15
SUB POWER	OFF

3.5.5.3 REMOTE CONTROL MENU OPERATION

(1) PICTURE

Setting item		Setting position
Picture Mode		Bright
White balance		Cool
FEATURES		
Clear SD	RF	Mode-1
	Ohter	Off
Digital VNR		On
DigiPure		On
Pull Down		Off
Color Management		On
Picture Management		On
Smart Picture		On
Dynamic Backlight		On
MPEG Noise Reduction		Off
Color System	TV	Depends on PR/CH
	EXT	Auto
Zoom		Auto (Panoramic)

(2) SOUND

Setting item	Setting position
MTS	Stereo
Sound Meister	Dynamic
Treble	-
Bass	-
Surround	-
Balance	Centre
Voice Enhancer	Off
AI Volume	On

(3) FEATURES

Setting item	Setting position
On Timer	00:00 (PR02)
Sleep Timer	Off
Channel Guard	Off (ID:0000)
Blue Back	On
Child Lock	Off
Favorite Setting	Blank
Power Lamp	On
Eco Mode	Off

(4) SET UP

Setting item	Setting position
Auto Program	TV channel automatically set
Channel Summary	Preset CH only
Language	English
Video-1 Setting	Component
AI Volume	On
Appearance	Size-1
HDMI SETTING	
HDMI-1/2/3 Size	Auto
HDMI-1 Audio	Auto
PC Setting	Center
Closed caption	Off (Caption: CC1, Text: T1)

3.5.6 VSM PRESET SETTING VALUES [LT-32EX19/AT, LT-32EX19/MAT, LT-32EX19/PAT, LT-32EX19/SAT]

	Soft	Bright	Standard	Game Mode	White	MID	COOL	WARM
Back Light	16	32	24	16	R	*	-150	00
Contrast	16	18	16	16				
Bright	16	16	16	16	G	*	-35	-32
Sharp	16	20	16	16				
Colour	16	16	16	16	B	*	00	-140
Tint	16	16	16	16				

3.5.7 VSM PRESET SETTING VALUES [LT-32EX19/BT, LT-32EX19/BBT, LT-32EX19/EBT, LT-32EX19/NBSK, LT-32EX19/MBT, LT-32EX19/PBT, LT-32EX19/RBCK, LT-32EX19/SBT, LT-32EX19/VBSK, LT-32EX29/NBSK]

	Soft	Bright	Standard	Game Mode	White	MID	COOL	WARM
Back Light	16	32	24	16	R	*	-157	00
Contrast	16	18	16	16				
Bright	16	16	16	16	G	*	-33	-20
Sharp	16	20	16	16				
Colour	16	16	16	16	B	*	00	-120
Tint	16	16	16	16				

3.6 REPLACEMENT OF CHIP COMPONENT

3.6.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

3.6.2 SOLDERING IRON

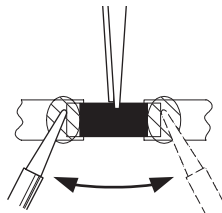
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

3.6.3 REPLACEMENT STEPS

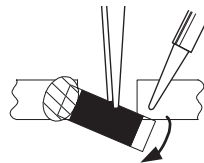
1. How to remove Chip parts

[Resistors, capacitors, etc.]

- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



- (2) Shift with the tweezers and remove the chip part.

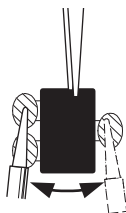


[Transistors, diodes, variable resistors, etc.]

- (1) Apply extra solder to each lead.



- (2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



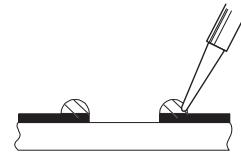
NOTE :

After removing the part, remove remaining solder from the pattern.

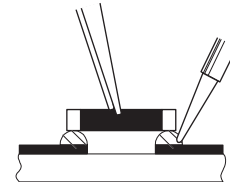
2. How to install Chip parts

[Resistors, capacitors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.

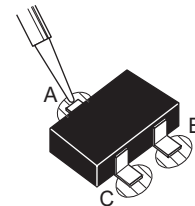


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

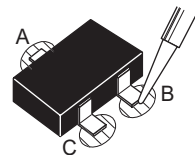


[Transistors, diodes, variable resistors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead **A** as indicated in the figure.



- (4) Then solder leads **B** and **C**.



SECTION 4 ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

- (1) This TV is adjusted by using REMOTE CONTROL UNIT.
- (2) The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- (3) Make sure that connection is correctly made AC to AC power source.
- (4) Turn on the power of the TV and measuring instruments for warming up for at least 30 minutes before starting adjustments.
- (5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
- (6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

Setting item	Settings position
Picture Mode	Standard
PICTURE adjustments	Centre
White Balance	Mid

4.3 MEASURING INSTRUMENT AND FIXTURES

- Signal generator (Pattern generator)[PAL]
- Remote control unit

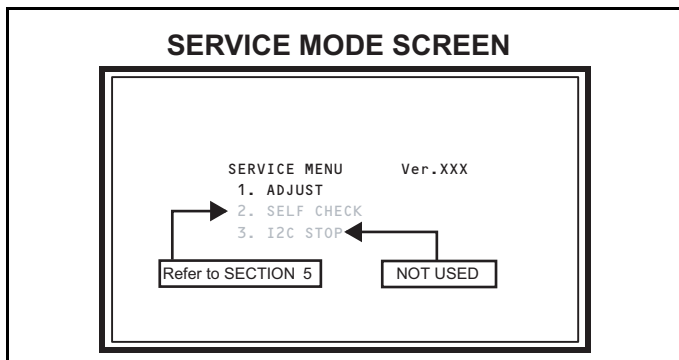
4.4 BASIC OPERATION OF SERVICE MODE

4.4.1 HOW TO ENTER THE SERVICE MODE

- (1) Press **[DISPLAY]** key and **[MUTING]** key on the remote control unit simultaneously to enter the SERVICE MODE SCREEN.

4.4.2 HOW TO EXIT THE SERVICE MODE

Press the **[MENU]** key to exit the Service mode.



4.4.3 CHANGE AND MEMORY OF SETTING VALUE

SELECTION OF SETTING ITEM

- **[FUNCTION ▲/▼]** key.
For scrolling up / down the setting items.

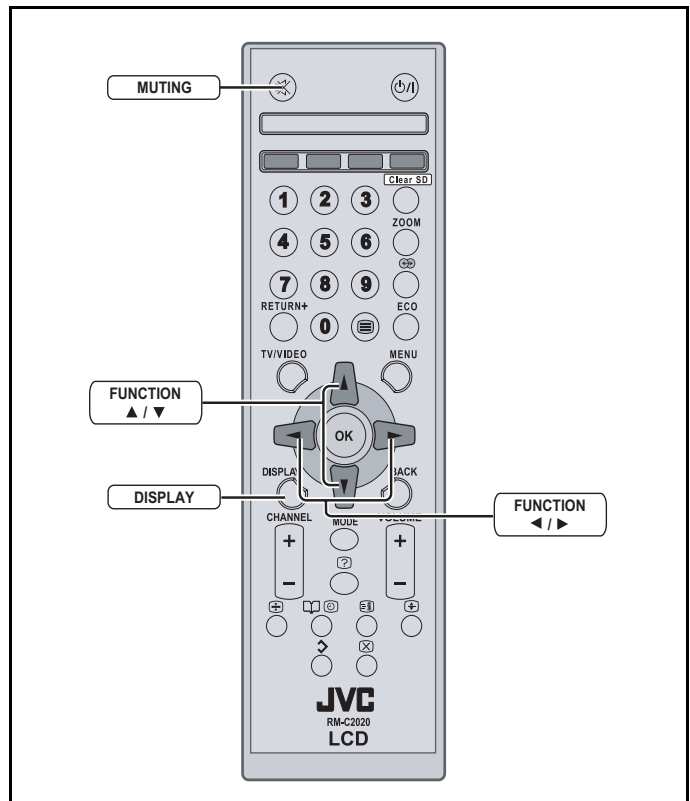
CHANGE OF SETTING VALUE (DATA)

- **[FUNCTION ◀/▶]** key.
For scrolling up / down the setting values.

MEMORY OF SETTING VALUE (DATA)

The setting value will be stored automatically when release the REMOTE CONTROL UNIT keys.

4.4.4 SERVICE MODE SELECT KEY LOCATION



4.4.5 ADJUSTMENT MODE

This mode is used to adjust the VIDEO CIRCUIT.

4.4.5.1 HOW TO ENTER THE ADJUSTMENT MODE

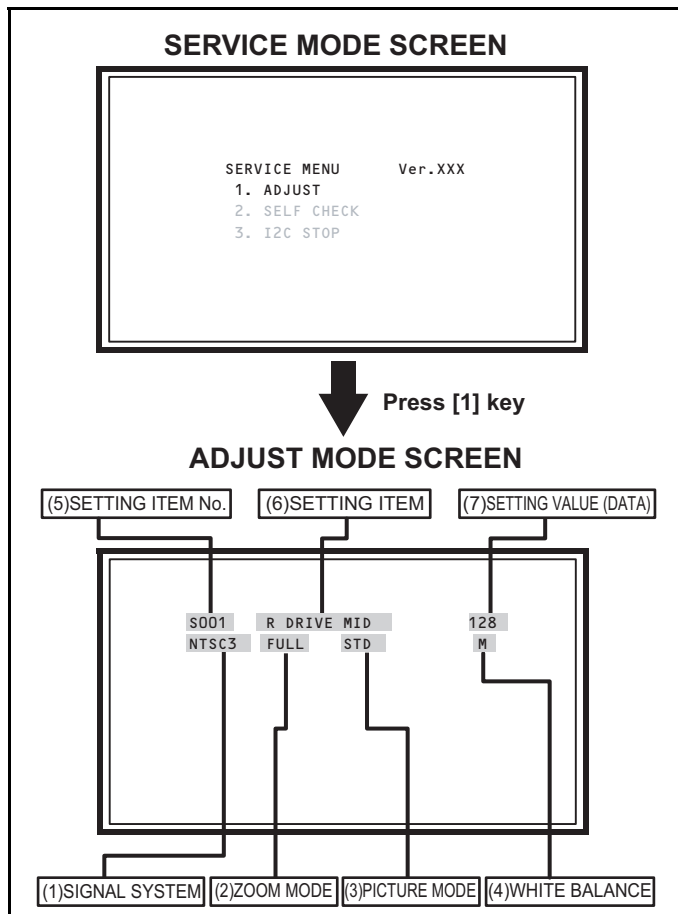
When the SERVICE MENU SCREEN of SERVICE MODE is displayed, press [1] key to enter the ADJUSTMENT MODE.

NOTE:

- When a number key other than the [1] key is pressed in the SERVICE MODE SCREEN, the other relevant screen may be displayed.

This is not used in the adjustment procedure. Press the [MENU] key to return to the SERVICE MODE SCREEN.

4.4.5.2 DESCRIPTION OF STATUS DISPLAY



(1) SIGNAL SYSTEM

The signal displayed on the screen is displayed.

PAL50	: PAL50Hz
PAL60	: PAL60Hz
SECAM	: SECAM
NTSC3	: NTSC3.58
NTSC4	: NTSC4.43
525I	: 525i
525P	: 525p
625I	: 625i
625P	: 625p
750P5	: 750p 50Hz
750P6	: 750p 60Hz
1125I5	: 1125i 50Hz
1125I6	: 1125i 60Hz
1125P5	: 1125P 50Hz
1125P6	: 1125P 60Hz
---	: Others
HXGA	: HDMI XGA

PCVGA	: PC VGA/60
PCXGA	: PC XGA/60
PCSXGA	: SXGA/60
PCSVGA	: PC SVGA/60
PCWXGA	: WideXGA(1360)/60
H525I	: HDMI 525i
H525P	: HDMI 525p
H625I	: HDMI 625i
H625P	: HDMI 625p
H750P5	: HDMI 750p 50Hz
H750P6	: HDMI 750p 60Hz
H125I5	: HDMI 1125i 50Hz
H125I6	: HDMI 1125i 60Hz
H125P5	: HDMI 1125P 50Hz
H125P6	: HDMI 1125P 60Hz
H125P2	: HDMI 1125P 24Hz
HXGA	: HDMI XGA

(2) ZOOM MODE

State of the ZOOM MODE is displayed.

FUL	: Full
PANO	: Panoramic
1609	: 16 : 9 Zoom
REGU	: Regular
14Z	: 14 : 9 Zoom
TEXT	: TEXT
SLIM	: Slim
SUBT	: 16:9 Zoom Subtitle
PANZ	: Panoramic Zoom
FULN	: Full Native

(3) PICTURE MODE

State of the PICTURE MODE is displayed.

STD	: Standard
BRI	: Bright
SOFT	: Soft
GAME	: Game mode

(4) WHITE BALANCE MODE

State of the WHITE BALANCE MODE is displayed.

H	: Cool
M	: Mid
L	: Warm

(5) SETTING ITEM No.

State of the Setting Item No. are displayed.

(6) SETTING ITEM NAME

Setting item name are displayed.

(7) SETTING VALUE (DATA)

The SETTING VALUE is displayed.

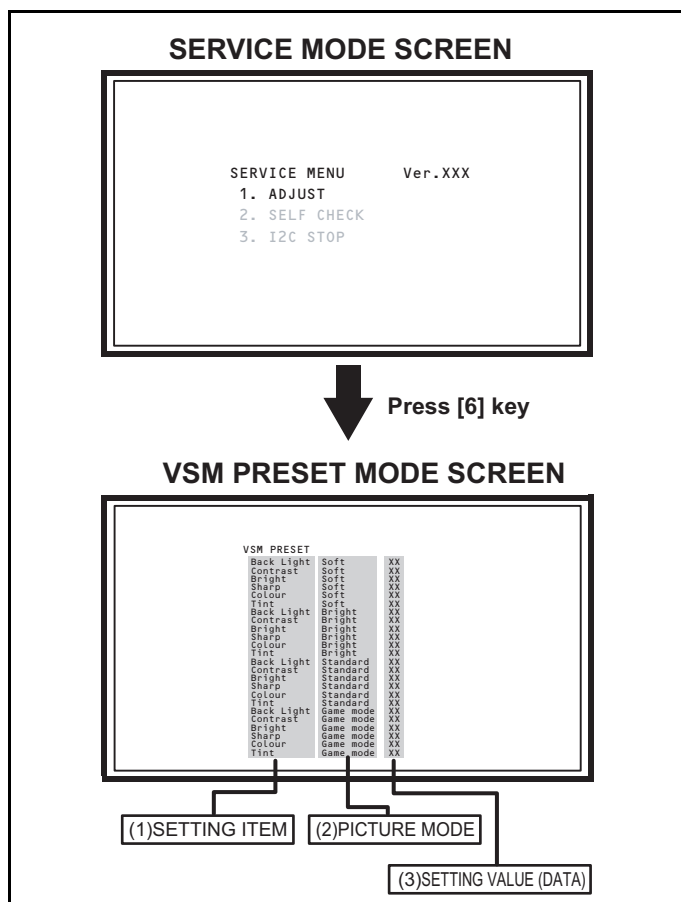
4.4.6 VSM PRESET MODE

This mode is used to adjust the VSM.

4.4.6.1 HOW TO ENTER THE VSM PRESET MODE

When the SERVICE MENU SCREEN of SERVICE MODE is displayed, press [6] key to enter the VSM PRESET MODE.

4.4.6.2 DESCRIPTION OF STATUS DISPLAY



(1) SETTING ITEM NAME

Setting item name are displayed.

(2) PICTURE MODE

The picture mode name are displayed.

(3) SETTING VALUE (DATA)

The setting values are displayed. The setting value to be displayed are listed below.

	Soft	Bright	Standard	Game mode
Back Light	16	32	24	16
Contrast	16	18	16	16
Bright	16	16	16	16
Sharp	16	20	16	16
Colour	16	16	16	16
Tint	16	16	16	16

4.5 INITIAL SETTING VALUES IN THE SERVICE MODE

- Perform fine-tuning based on the "initial values" using the remote control when in the Service mode.
- The "initial values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values.
- <S004> to <S009> are the off set values.

4.5.1 ADJUSTMENT MODE [LT-32EX19/AT, LT-32EX19/MAT, LT-32EX19/PAT, LT-32EX19/SAT]

Item No.	Item name	Variable range	Setting value
S001	R DRIVE MID	0000 - 0255	*
S002	G DRIVE MID	0000 - 0255	*
S003	B DRIVE MID	0000 - 0255	*
S004	R DRIVE COOL	0000 - 0255	-150
S005	G DRIVE COOL	0000 - 0255	-35
S006	B DRIVE COOL	0000 - 0255	00
S007	R DRIVE WARM	0000 - 0255	00
S008	G DRIVE WARM	0000 - 0255	-32
S009	B DRIVE WARM	0000 - 0255	-140

Note: " * " Adjustable range is -256 ~ 00 only and one colour(R or G or B) should be "00"

4.5.2 ADJUSTMENT MODE [LT-32EX19/BT, LT-32EX19/BBT, LT-32EX19/EBT, LT-32EX19/NBSK, LT-32EX19/MBT, LT-32EX19/PBT, LT-32EX19/RBCK, LT-32EX19/SBT, LT-32EX19/VBSK, LT-32EX29/NBSK]

Item No.	Item name	Variable range	Setting value
S001	R DRIVE MID	0000 - 0255	*
S002	G DRIVE MID	0000 - 0255	*
S003	B DRIVE MID	0000 - 0255	*
S004	R DRIVE COOL	0000 - 0255	-157
S005	G DRIVE COOL	0000 - 0255	-33
S006	B DRIVE COOL	0000 - 0255	00
S007	R DRIVE WARM	0000 - 0255	00
S008	G DRIVE WARM	0000 - 0255	-20
S009	B DRIVE WARM	0000 - 0255	-120

Note: " * " Adjustable range is -256 ~ 00 only and one colour(R or G or B) should be "00"

4.6 ADJUSTMENT PROCEDURE

4.6.1 VIDEO CIRCUIT

Item	Measuring instrument	Adjustment part	Description
WHITE BALANCE (HIGH LIGHT)	Remote control unit Signal generator	[1.ADJUST] S001: R DRIVE MID S002: G DRIVE MID S003: B DRIVE MID	(1) Receive a PAL 75% all white signal. (2) Set PICTURE MODE to "STANDARD". (3) Set ZOOM to "FULL". (4) Set WHITE BALANCE. to "MID". (5) Select "1.ADJUST" from the SERVICE MODE. (6) Adjustment is select item from <S001>(R DRIVE MID), <S002>(G DRIVE MID), <S003>(B DRIVE MID). (7) Select <S001> item fix to 128 Other color <S002>, <S003> should be less than 128. NOTE: Adjustable range is 0000-0128 only (Don't over "0128"). (8) Must check white balance adjustment correctry with low light to high light.
VSM PRESET	Remote control unit	[VSM PRESET] Back Light Contrast Bright Sharp Colour Tint	(1) Select "VSM PRESET" from the SERVICE MODE. (2) Set the initilal setting value of <Back Light> - <Tint>.

SECTION 5 TROUBLESHOOTING

5.1 SELF CHECK FEATURE

5.1.1 OUTLINE

This unit comes with the "Self check" feature, which checks the operational state of the circuit and displays/saves it during failure. Diagnosis is performed when power is turned on, and information input to the main microcomputer is monitored at all time. Diagnosis is displayed in 2 ways via screen display and LED flashes. Failure detection is based on input state of I²C bus and the various control lines connected to the main microcomputer.

5.1.2 HOW TO ENTER THE SELF CHECK MODE

- (1) Press the **[DISPLAY]** key and **[MUTING]** key simultaneously, then enter the SERVICE MODE.
- (2) Press the **[2]** key then enter the SELF CHECK MODE.

NOTE:

When a number key other than the **[2]** key is pressed in the SERVICE MODE screen, the other relevant screen may be displayed.

This is not used in the SELF CHECK MODE. Press the **[MENU]** key to return to the MAIN MENU SCREEN.

5.1.3 HOW TO EXIT THE SELF CHECK MODE

To Save Failure History:

Turn off the power by unplugging the AC power cord plug when in the Self check display mode.

To Clear (Reset) Failure History:

Turn off the power by pressing the **[POWER]** key on the remote control unit when in the Self check display mode.

5.1.4 FAILURE HISTORY

Failure history can be counted up to 9 times for each item. When the number exceeds 9, display will remain as 9. Failure history will be stored in the memory unless it has been deleted.

NOTE:

Only SYNC (with/without sync signals) will be neither counted nor stored.

5.1.5 POINTS TO NOTE WHEN USING THE SELF CHECK FEATURE

In addition to circuit failures (abnormal operation), the following cases may also be diagnosed as "Abnormal" and counted.

- (1) Temporary defective transmissions across circuits due to pulse interruptions.
- (2) Misalignment in the on/off timing of power for I²C bus (Vcc) when turning on/off the main power.

Therefore, turn on the main power, and then wait for about 3 seconds before starting Self check.

If recurrences are expected, ensure to clear (reset) the failure history and record the new diagnosis results.

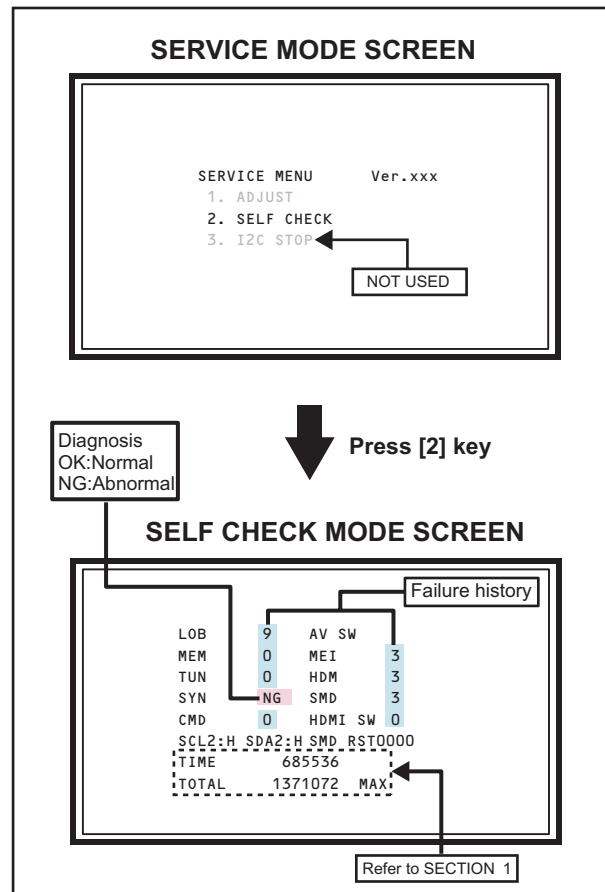


Fig.5-1

5.1.6 DETAILS

Self check is performed for the following items:

Item	OSD	Content	Condition to detect
LOB protect	LOB	LOB protect detected	Start to detect 3sec after LOB is turned on. Power off if it is being NG for 200ms. Count is 0-9
EEPROM MEMORY	MEN	Total count of I ² C error of EEPROM	Start to detect 3sec after LOB is turned on. Count NG of acquisition I ² C or NACK. Count is 0-9
Sound Meister	MEI	Total count of I ² C error of Eala IC.	Start to detect 3sec after LOB is turned on. Count NG of acquisition I ² C or NACK. Count is 0-9
RF Tuner	TUN	Total count of I ² C error of RF Tuner	Start to detect 3sec after LOB is turned on. Count NG of acquisition I ² C or NACK. Count is 0-9
HDMI	HDM	Total count of I ² C error of HDMI	Start to detect 3sec after LOB is turned on. Count NG of acquisition I ² C or NACK. Count is 0-9
Synchronous	SYN	Whether there is Synchronous signal or not?	It displays it to the input selecte signal. The display is OK or NG.
Lamp using time	TIME	Display of panel drive time	When LOB is turned It will be displayed in every one hour. (Refer to Secton 1)
Clear motion drive	CMD	-	Not used.
AV SW	AV SW	Total count of I ² C error of AV SW	Start to detect 3sec after LOB is turned on. Count NG of acquisition I ² C or NACK. Count is 0-9
HDMI SW	HDMI SW	Total count of I ² C error of HDMI SW	Start to detect 3sec after LOB is turned on. Count NG of acquisition I ² C or NACK. Count is 0-9

5.1.7 METHOD OF DISPLAY WHEN A RASTER IS NOT OUTPUT

In the state where a raster is not output by breakdown of the set, an error is displayed by blink of the POWER LED.

Type of error	POWER LED flash cycle
Low bias line short protection	Power LED turnig on and off at 1 second intervals.

< Explanation of operation >

If error is detected, the power is turned off. Shortly after the power is turned off, POWER LED will be blinked.

When the protection of low bias line short operates, the power cannot be turned on until the power cord takes out and inserts, after the power is turned off.



Victor Company of Japan, Limited
Display Division 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

JVC

SCHEMATIC DIAGRAMS

LCD COLOUR TELEVISION

**LT-32EX19/AT, LT-32EX19/MAT,
LT-32EX19/PAT, LT-32EX19/SAT**

DVD-ROM No.SML2009Q1

BASIC CHASSIS

FU3

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE



LT-32EX19/AT, LT-32EX19/MAT, LT-32EX19/PAT, LT-32EX19/SAT

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the $\triangle$ symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

- (1)Input signal : Colour bar signal
- (2)Setting positions of each knob/button and variable resistor : Original setting position when shipped
- (3)Internal resistance of tester : DC 20k Ω /V
- (4)Oscilloscope sweeping time : H $\Rightarrow$ 20 μ s / div
: V $\Rightarrow$ 5ms / div
: Others $\Rightarrow$ Sweeping time is specified
- (5)Voltage values : All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R1209 $\rightarrow$ R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

- No unit : [Ω]
- K : [k Ω]
- M : [M Ω]

● Rated allowable power

- No indication : 1/16 [W]
- Others : As specified

● Type

- No indication : Carbon resistor
- OMR : Oxide metal film resistor
- MFR : Metal film resistor
- MPR : Metal plate resistor
- UNFR : Uninflamable resistor
- FR : Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

- 1 or higher : [pF]
- less than 1 : [μ F]

● Withstand voltage

- No indication : DC50[V]
- Others : DC withstand voltage [V]
- AC indicated : AC withstand voltage [V]

* Electrolytic Capacitors

47/50[Example]: Capacitance value [μ F]/withstand voltage[V]

● Type

- No indication : Ceramic capacitor
- MM : Metalized mylar capacitor
- PP : Polypropylene capacitor
- MPP : Metalized polypropylene capacitor
- MF : Metalized film capacitor
- TF : Thin film capacitor
- BP : Bipolar electrolytic capacitor
- TAN : Tantalum capacitor

(3)Coils

- No unit : [μ H]
- Others : As specified

(4)Power Supply

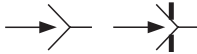
-  : B1
-  : B2 (12V)
-  : 9V
-  : 5V

* Respective voltage values are indicated

(5)Test point

-  : Test point
-  : Only test point display

(6)Connecting method

-  : Connector
-  : Wrapping or soldering
-  : Receptacle

(7)Ground symbol

-  : LIVE side ground
-  : ISOLATED(NEUTRAL) side ground
-  : EARTH ground
-  : DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : () side GND and the ISOLATED(NEUTRAL) : () side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

NOTE

- ◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list. When ordering parts, please use the numbers that appear in the Parts List.

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USING P.W. BOARD

P.W.B ASS'Y name	LT-32EX19/AT	LT-32EX19/MAT	LT-32EX19/PAT	LT-32EX19/SAT
ANALOG P.W. BOARD	SFU-1601A-H2	←	SFU-1603A-H2	SFU-1601A-H2
SW P.W. BOARD	SFU-7601A-H2	←	←	←
REMOTE P.W. BOARD	SFU-7602A-H2	←	←	←
LED P.W. BOARD	SFU-8601A-H2	←	←	←
POWER P.W. BOARD	SFU-9601A-H2	←	←	←
DIGITAL P.W. BOARD	SFU0D601A-H2	SFU0D608A-H2	SFU0D609A-H2	SFU0D610A-H2

SEMICONDUCTOR SHAPES

TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR

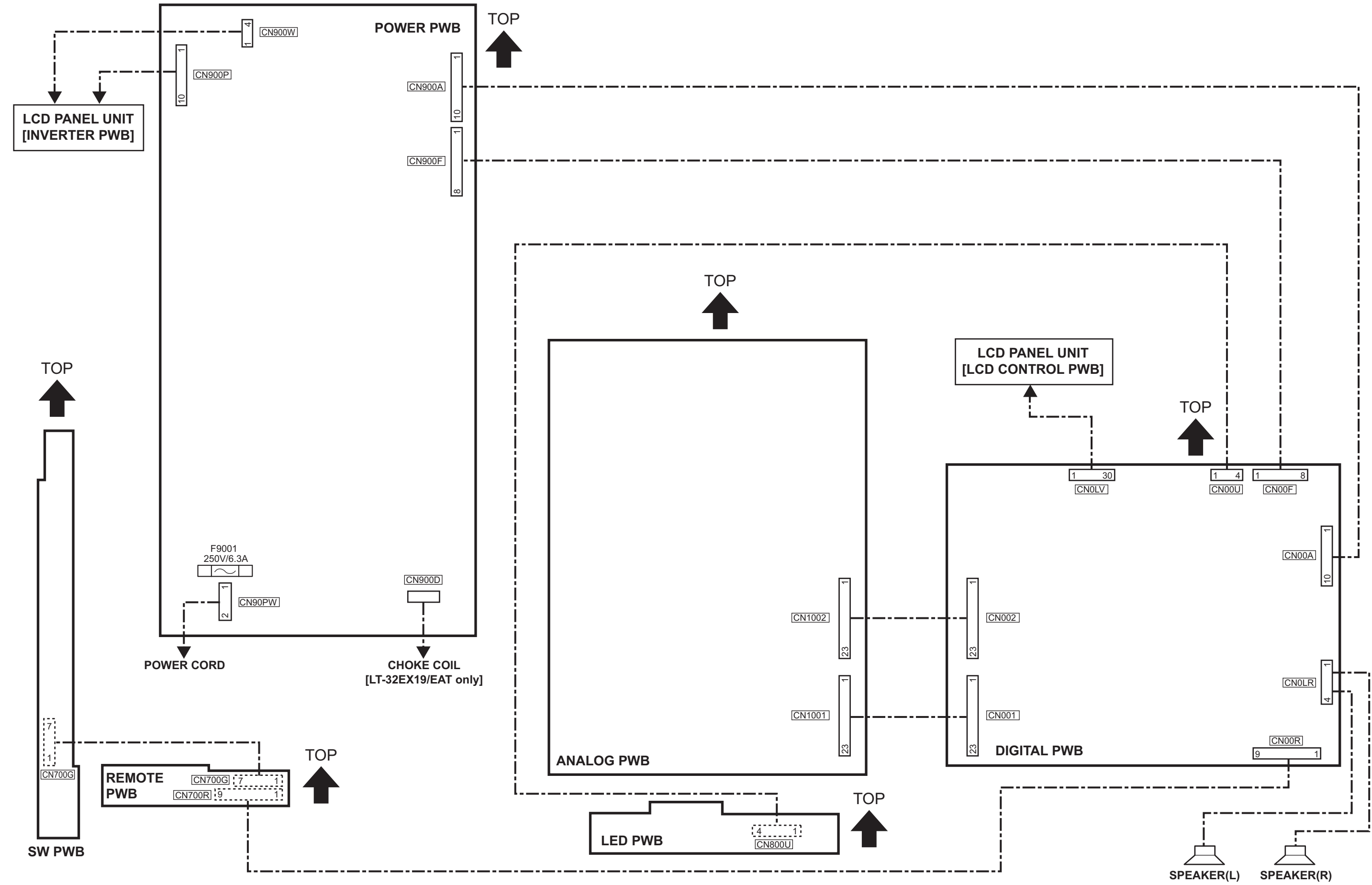
IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW

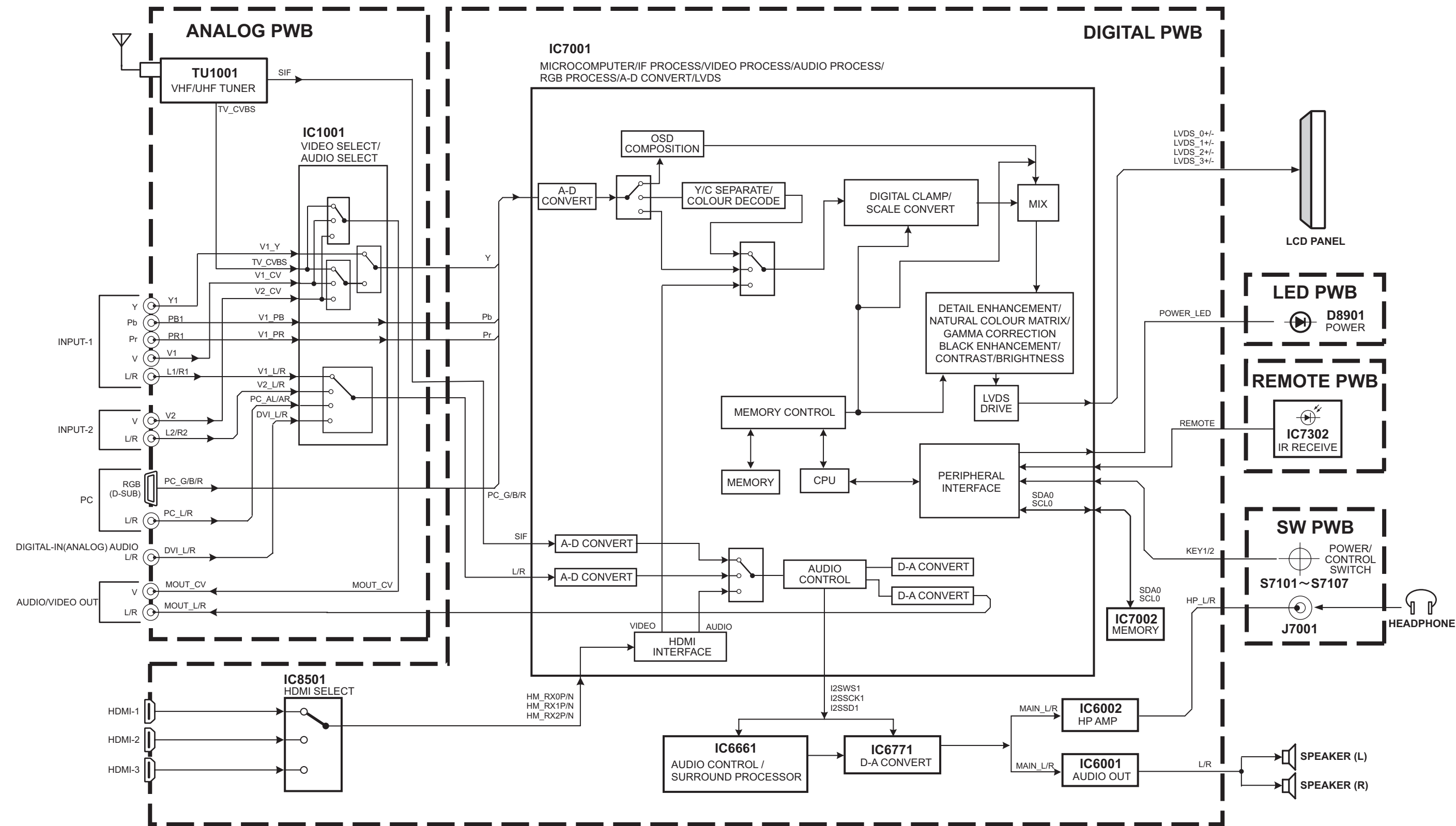
CHIP IC

TOP VIEW		

WIRING DIAGRAM

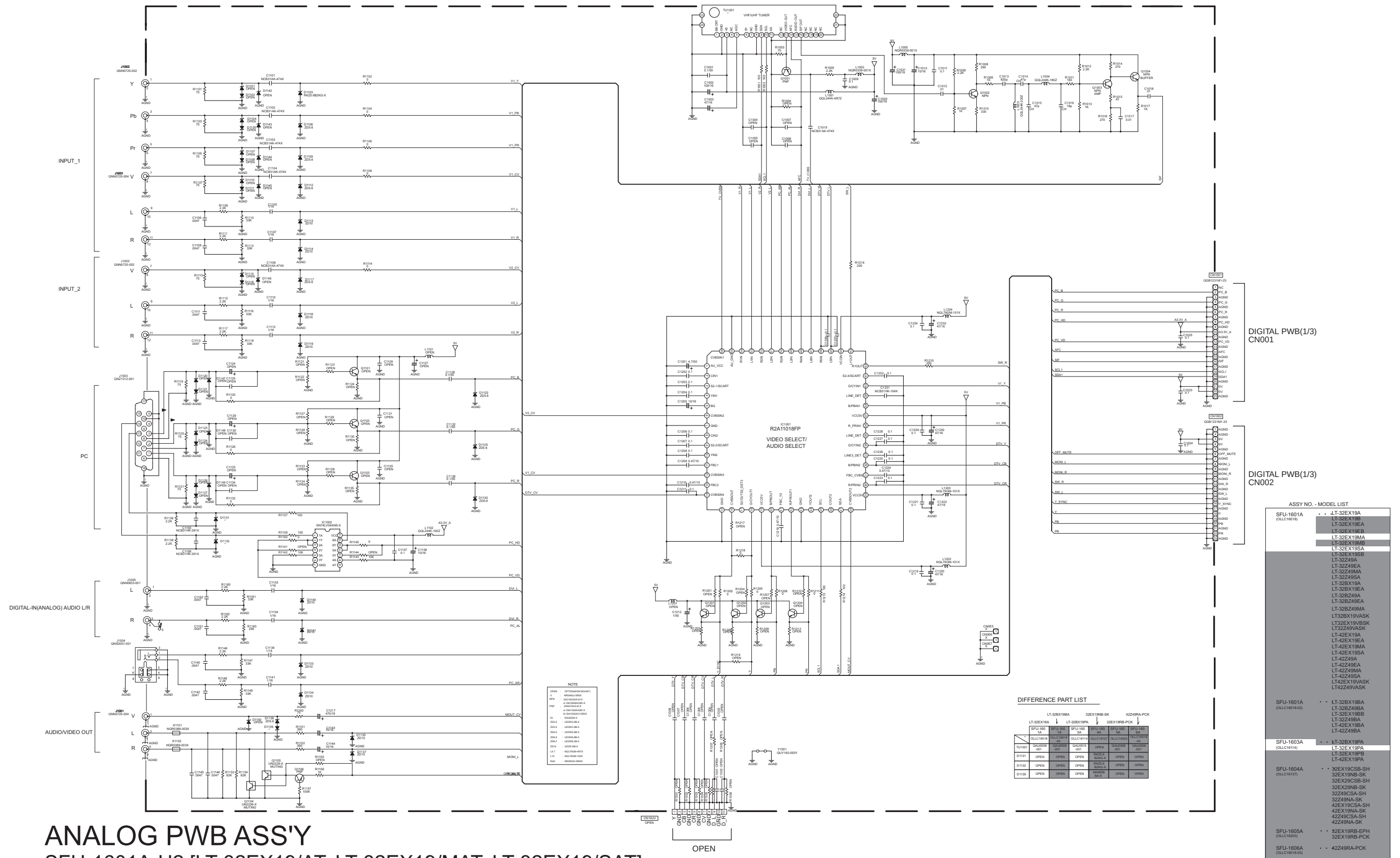


BLOCK DIAGRAM



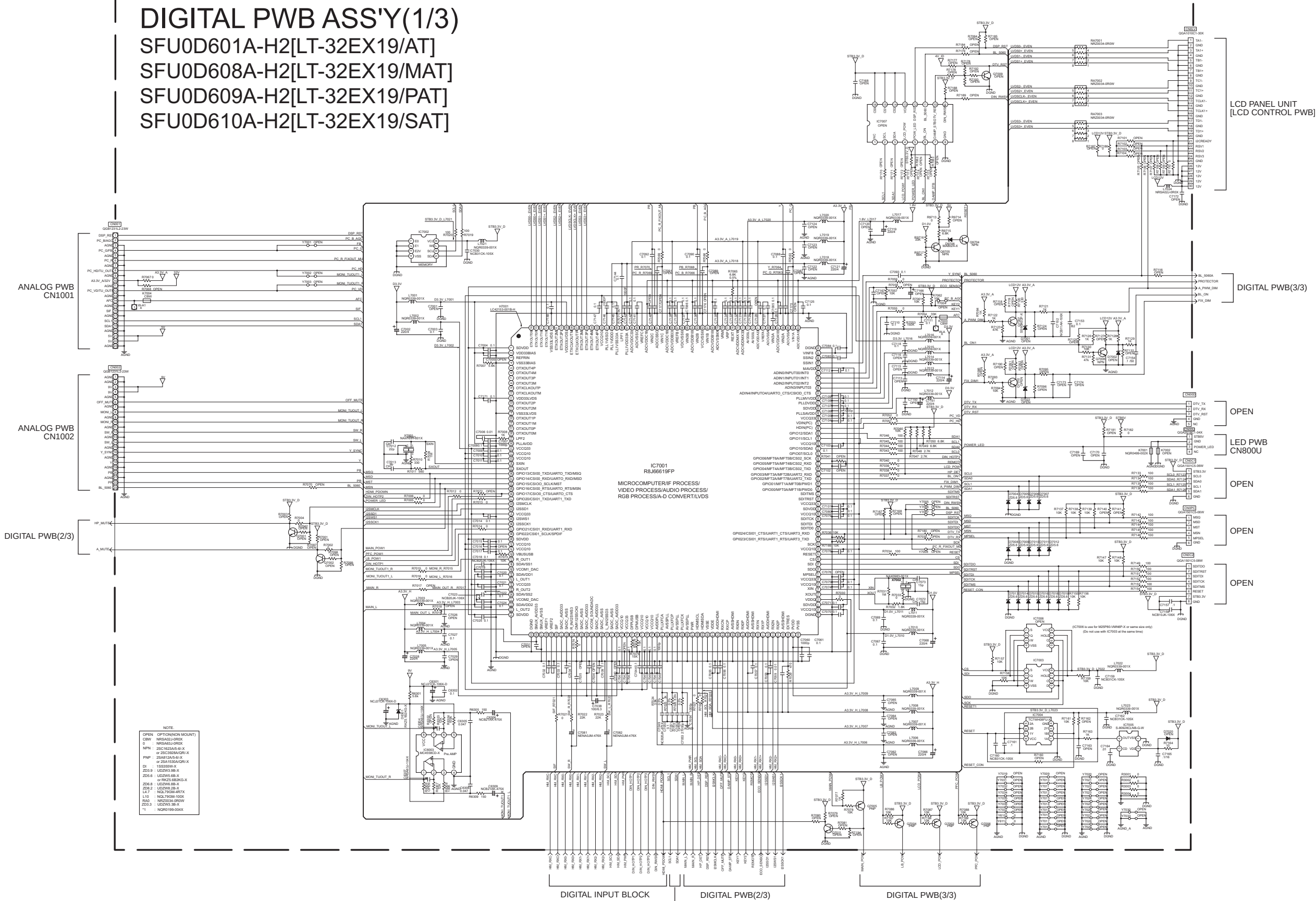
CIRCUIT DIAGRAMS

ANALOG PWB CIRCUIT DIAGRAM

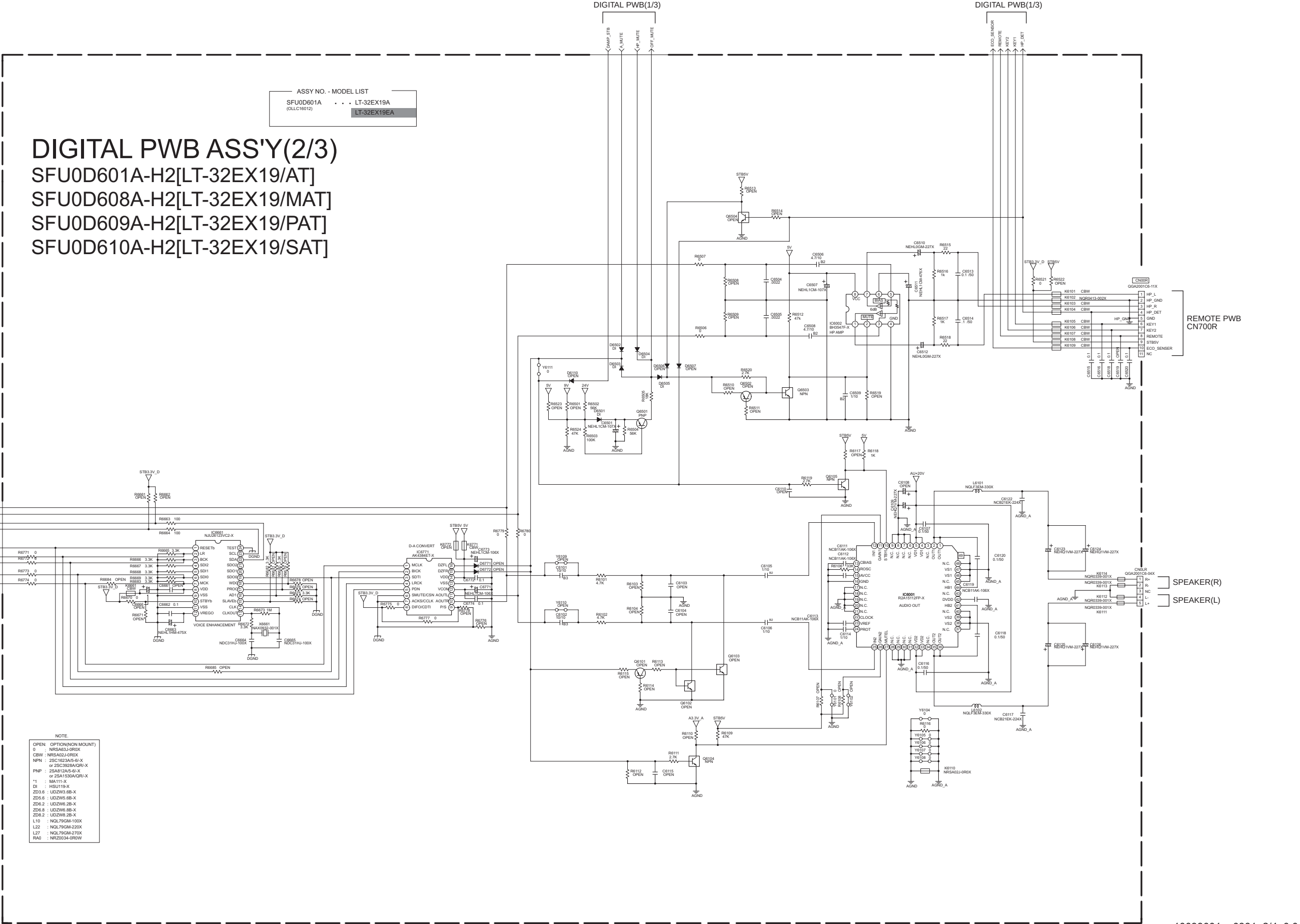


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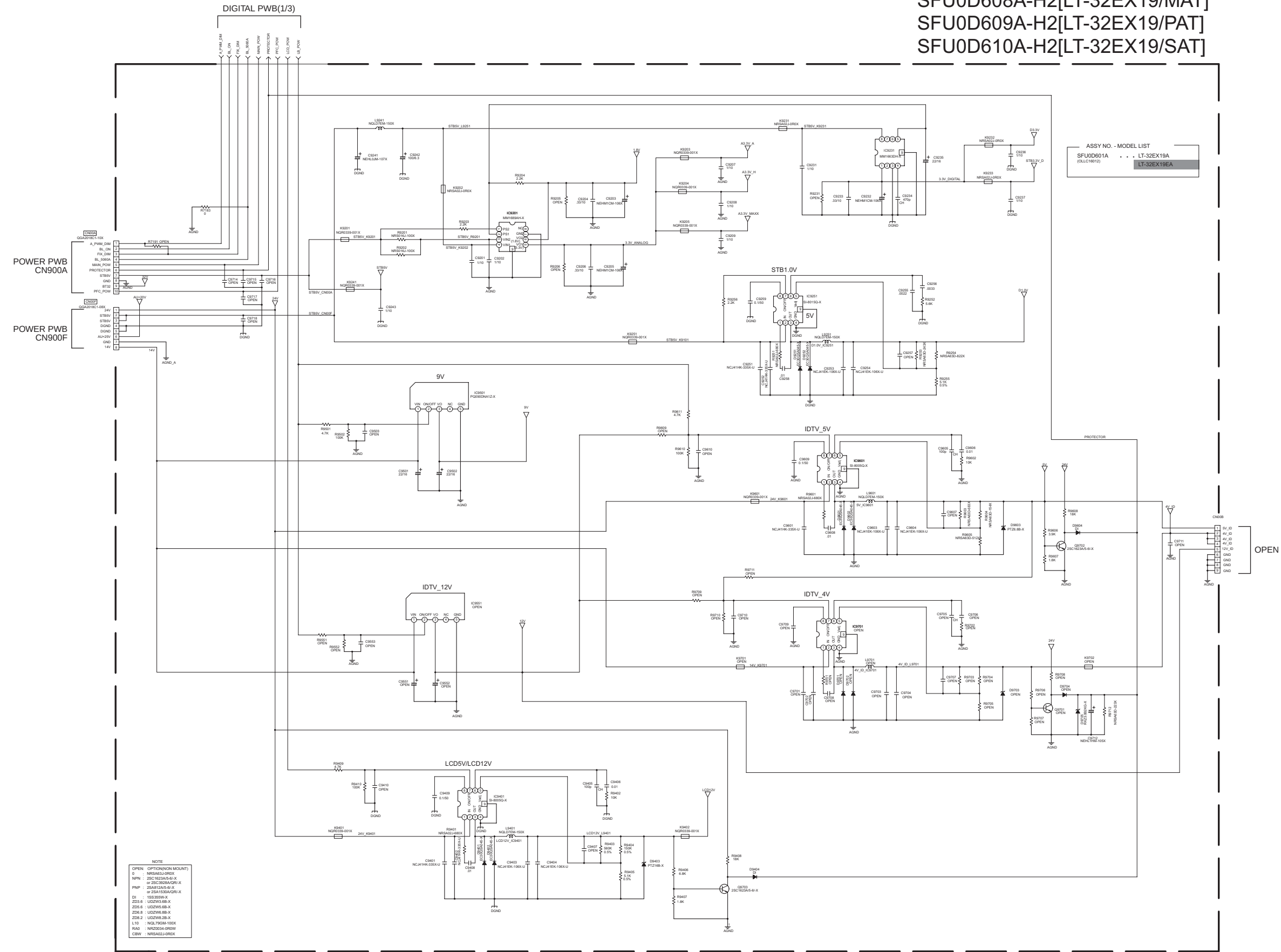
DIGITAL PWB ASS'Y(1/3)
SFU0D601A-H2[LT-32EX19/AT]
SFU0D608A-H2[LT-32EX19/MAT]
SFU0D609A-H2[LT-32EX19/PAT]
SFU0D610A-H2[LT-32EX19/SAT]

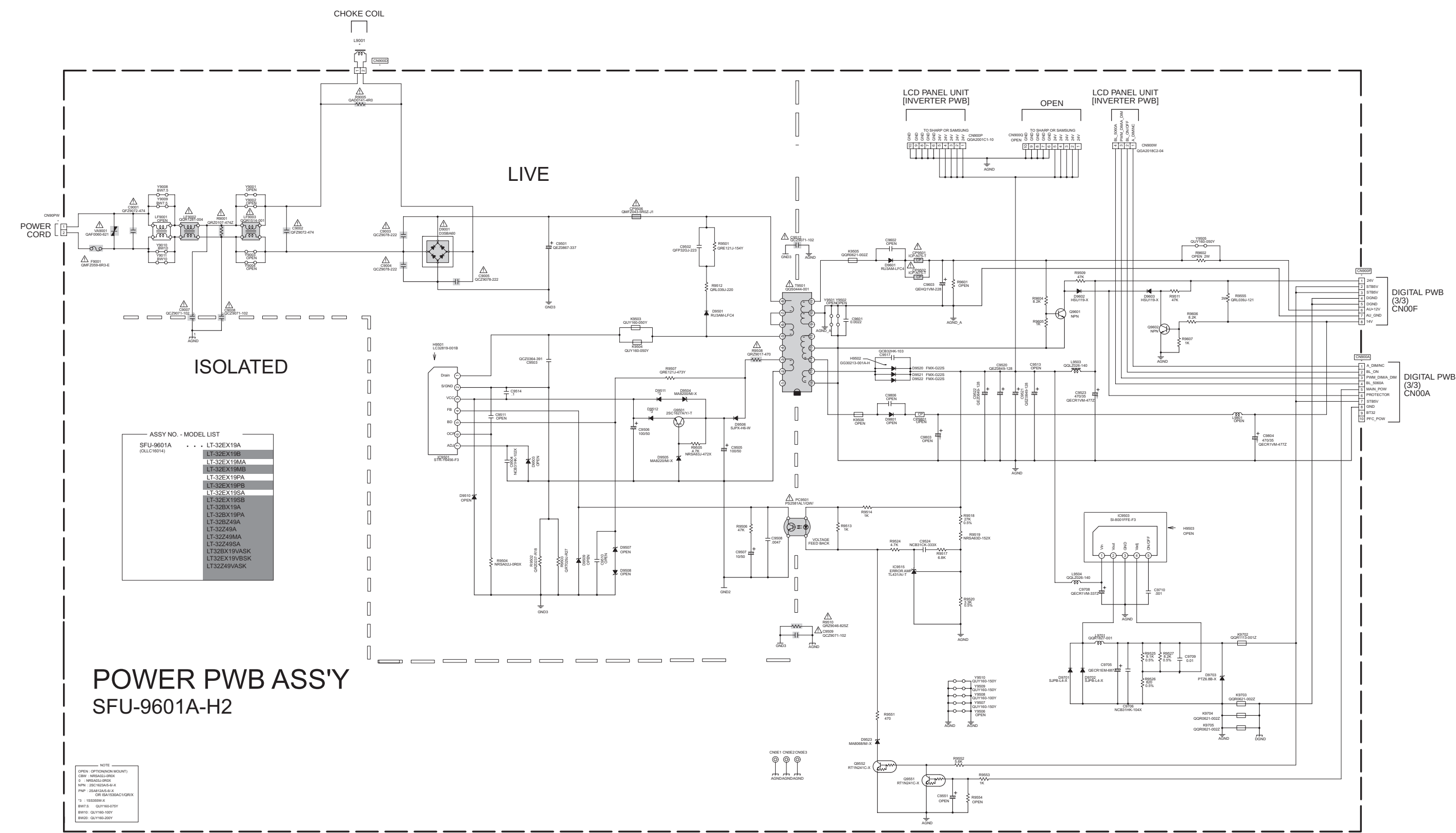


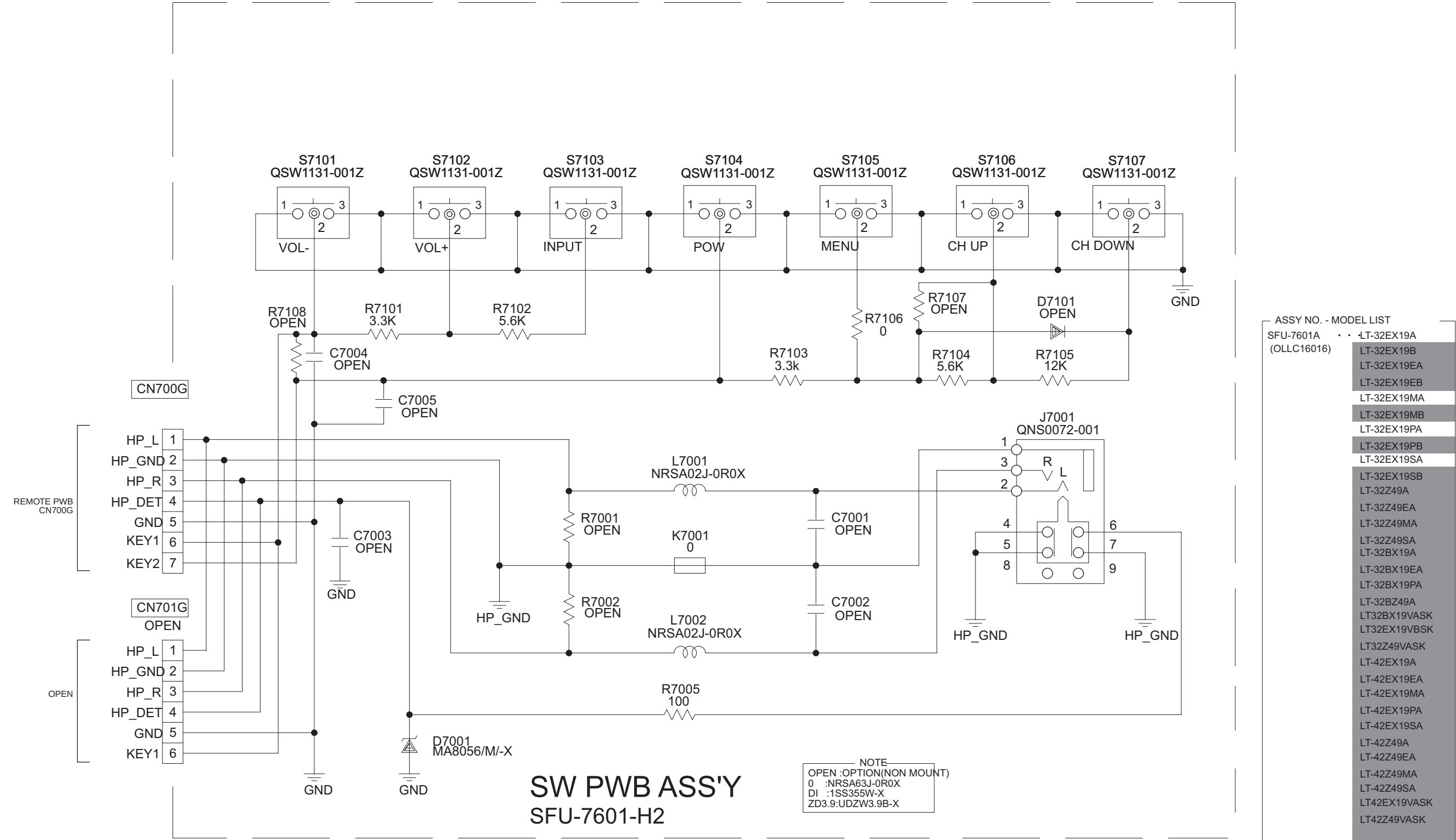
NOTE : Refer to the part list for the part number of IC7002 and IC7003

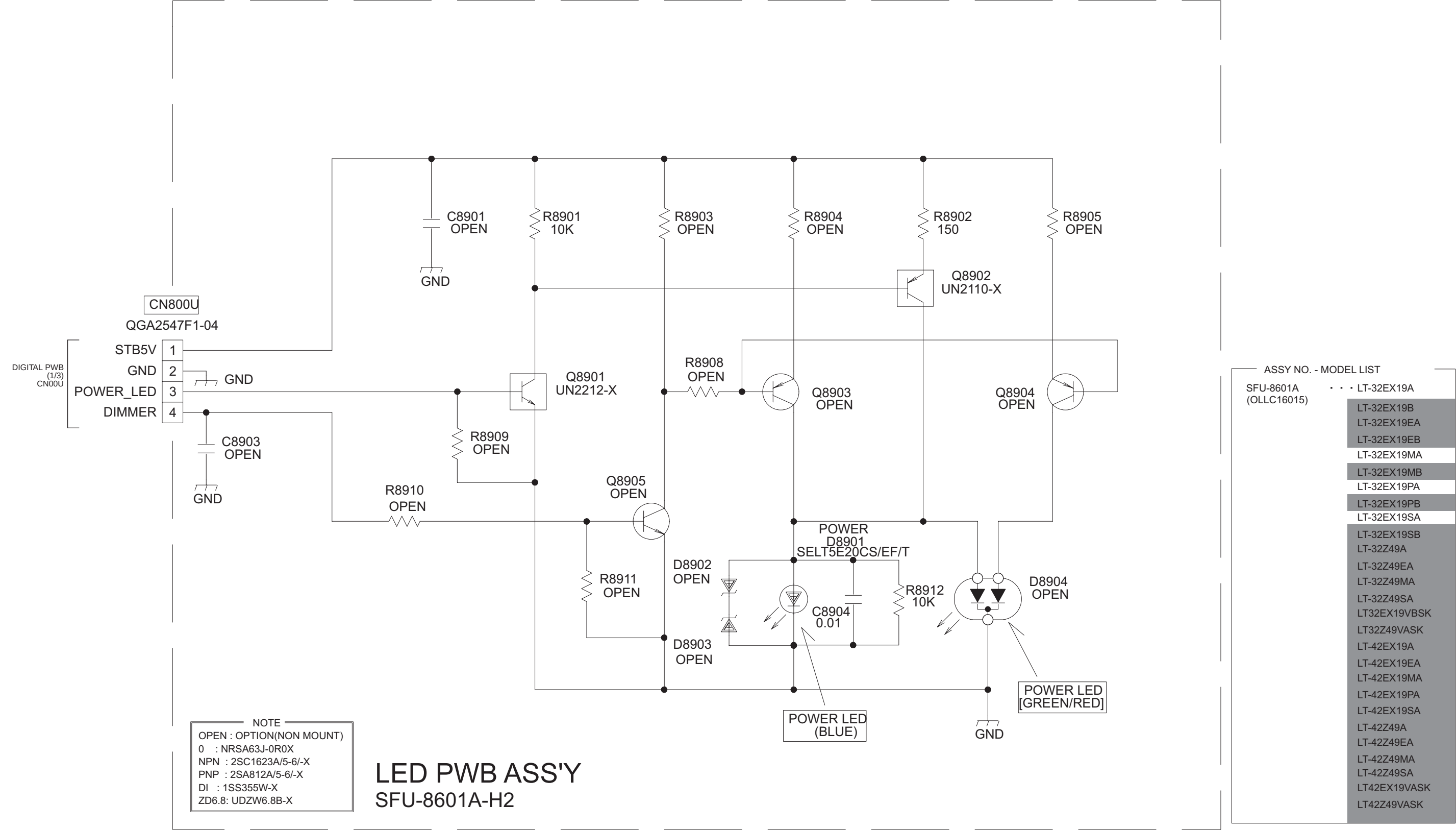


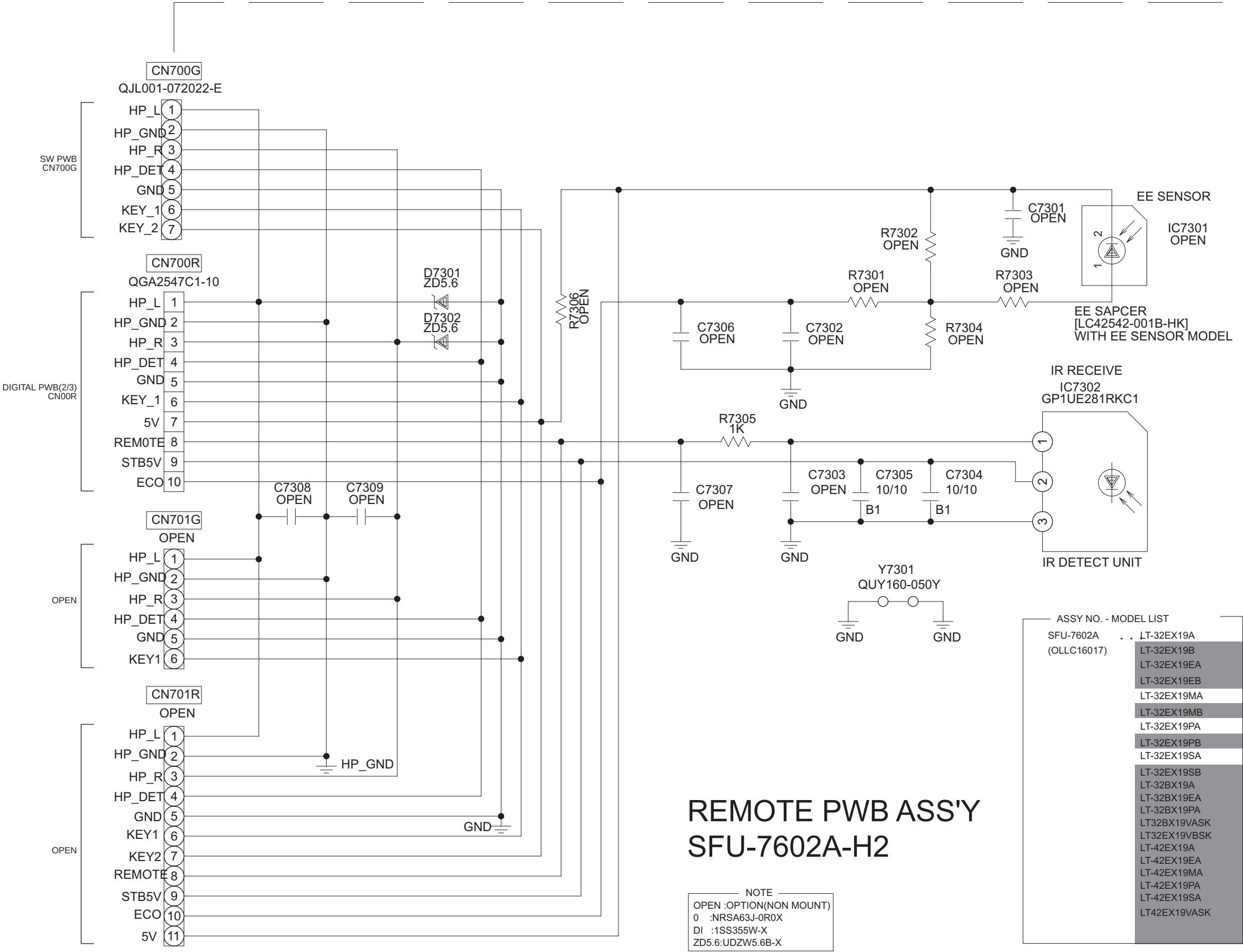
DIGITAL PWB ASS'Y(3/3)
SFU0D601A-H2[LT-32EX19/AT]
SFU0D608A-H2[LT-32EX19/MAT]
SFU0D609A-H2[LT-32EX19/PAT]
SFU0D610A-H2[LT-32EX19/SAT]



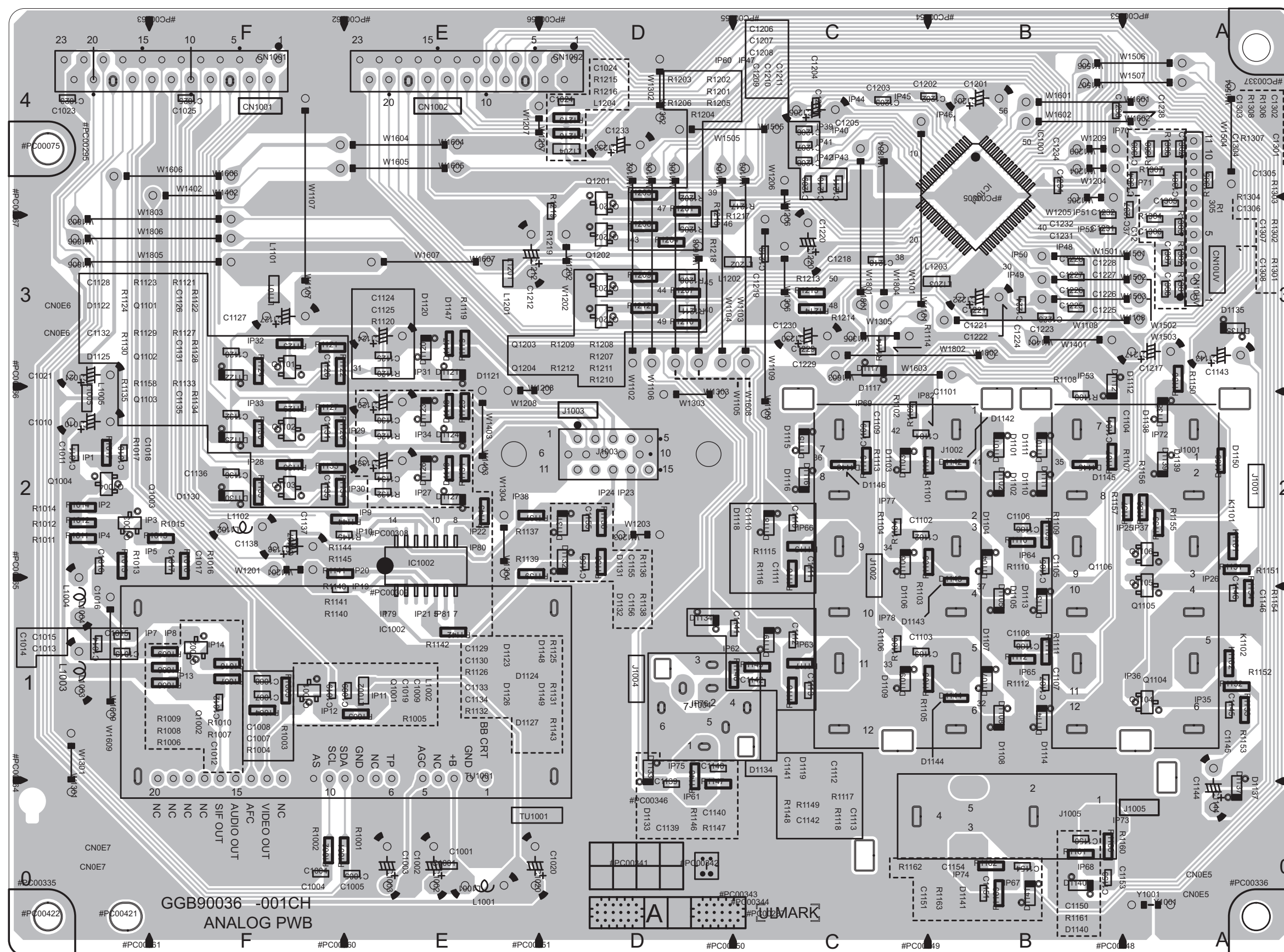






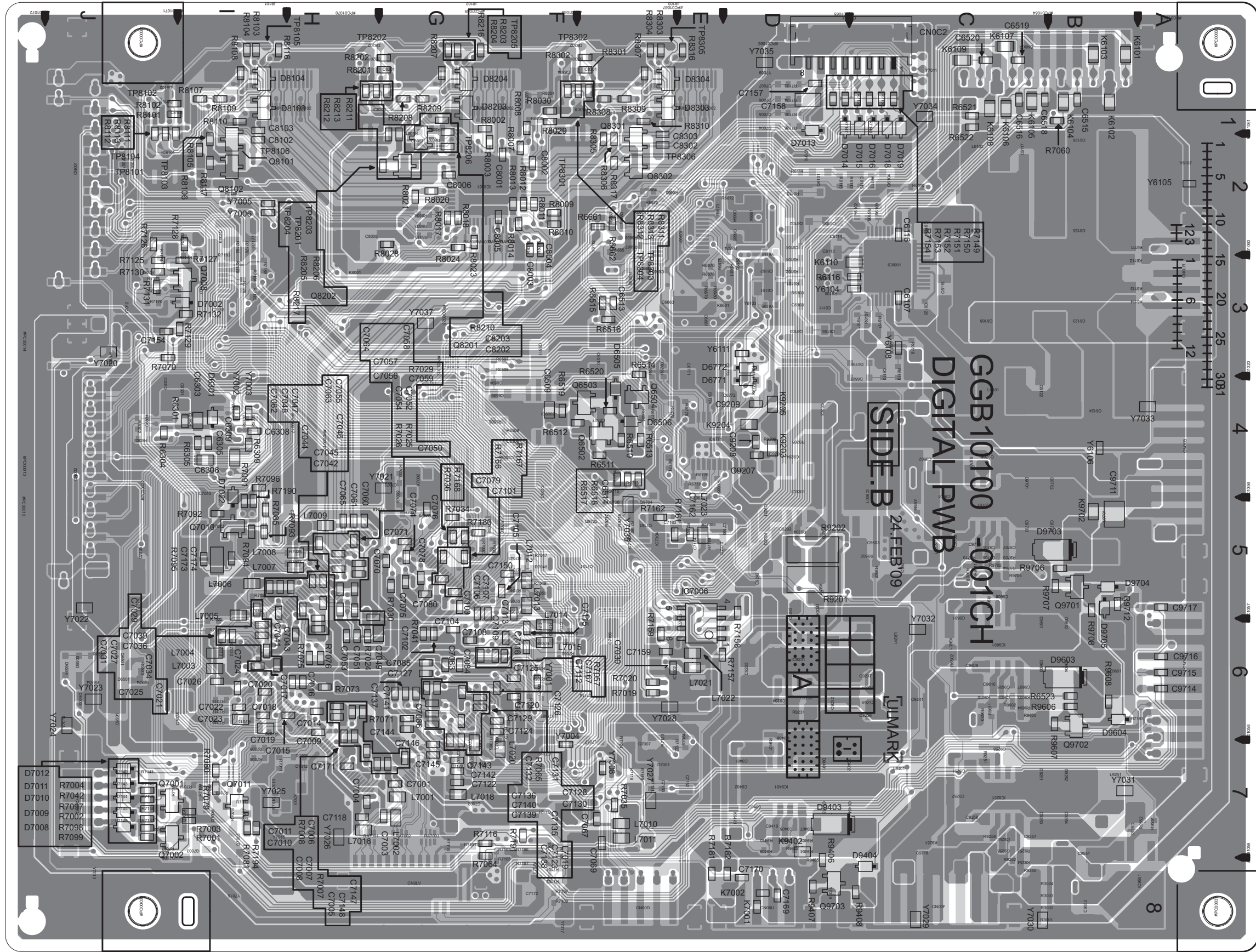


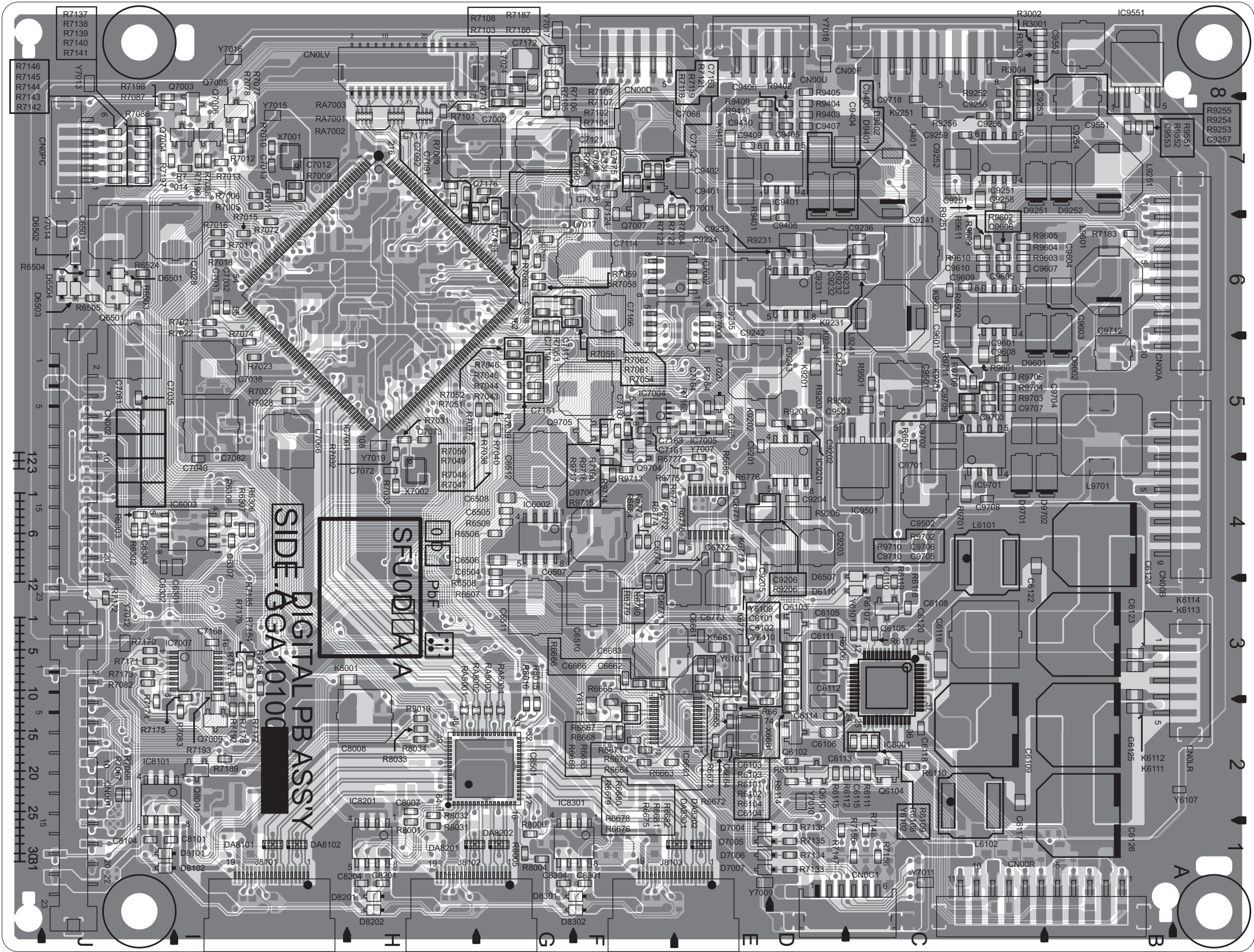
PATTERN DIAGRAMS



TOP

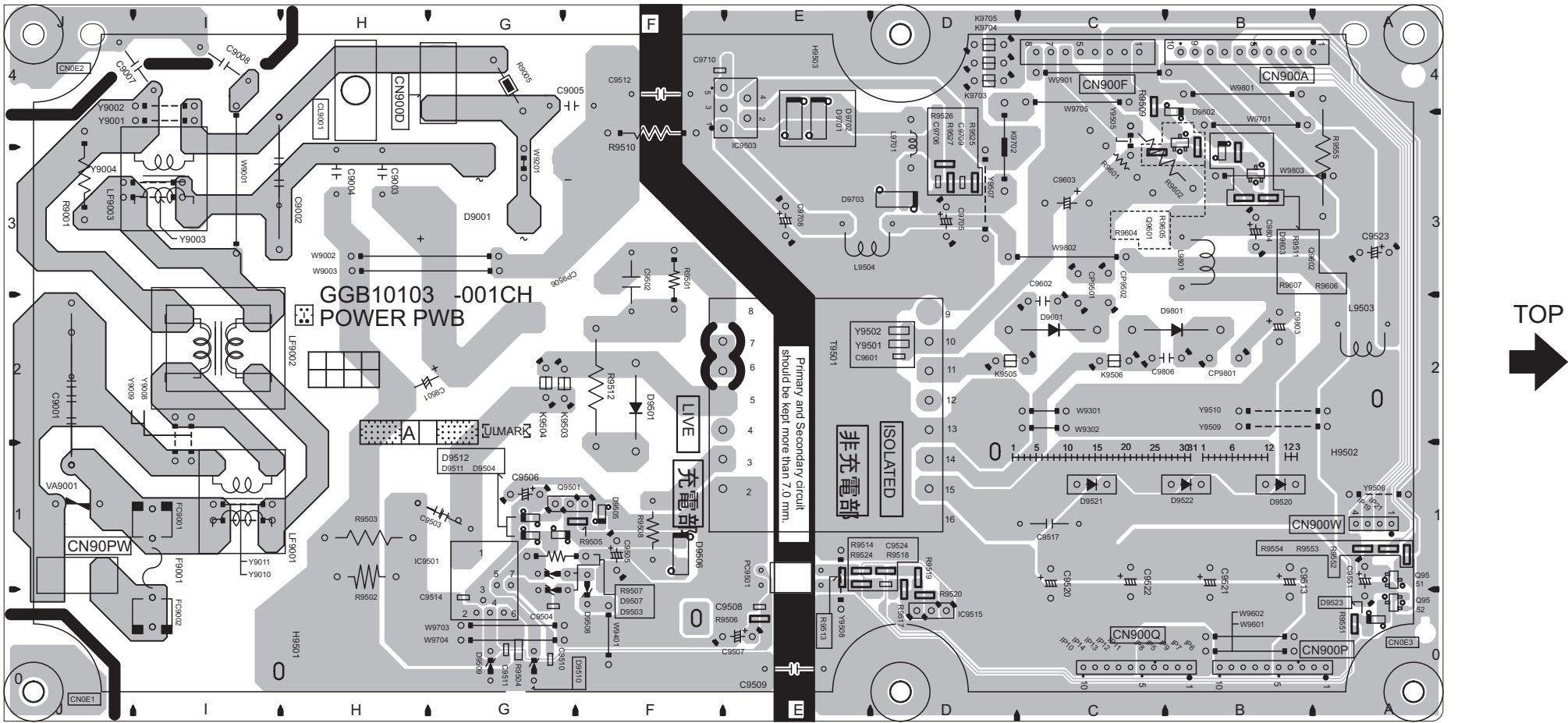




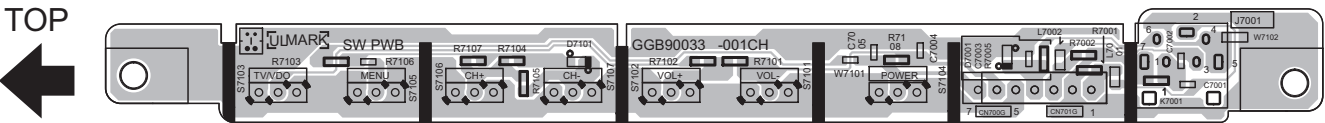


TOP
↑

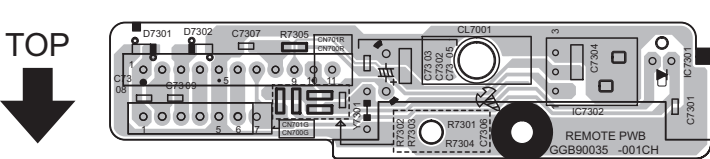
POWER PWB PATTERN



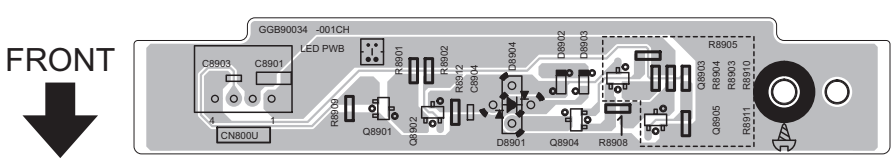
SW PWB PATTERN



REMOTE PWB PATTERN



LED PWB PATTERN



VOLTAGE CHARTS

<ANLOG PWB>
<P.2-7 - P.2-8>

MODE PIN NO.	DC (V)
IC1001	
1	4.3
2	2.1
3	4.7
4	2.4
5	2.7
6	2.4
7	0
8	2.1
9	4.7
10	2.4
11	0.6
12	2.4
13	0.6
14	2.4
15	0
16	2.4
17	0
18	2.4
19	0
20	2.4
21	1.3
22	1.9
23	0
24	1.5
25	3.2
26	2.3
27	3.2
28	1.6
29	4.9
30	2.4
31	1.3
32	2.4
33	0.1
34	2.4
35	0.1
36	2.4
37	4.8
38	2.4
39	0.1
40	2.4
41	4.8
42	4.4
43	4.4
44	8.8
45	4.4
46	4.4
47	4.4
48	4.4
49	4.4
50	4.4
51	4.4
52	4.4
53	4.4
54	4.4
55	0
56	2.4
IC1002	
1	0
2	3.2
3	3.2
4	0
5	0
6	3.2
7	0
8	3.2
9	0
10	0
11	3.2
12	3.2
13	0
14	3.2
Q1001	
E	1.7
C	0
B	1.1
Q1002	
E	2
C	6.3
B	2.7
Q1003	
E	2
C	7
B	2.7
Q1004	
E	6.4
C	8.9
B	7
Q1104	
E	0
C	0
B	-0.7
Q1105	
E	0
C	0
B	-0.7

MODE PIN NO.	DC (V)
Q1106	
E	0.1
C	-0.8
B	0.1
TU1001	
1	NC
2	0
3	4.9
4	NC
5	4.1
6	NC
7	NC
8	0
9	3.2
10	3.2
11	0
12	NC
13	1
14	3.8
15	NC
16	2
17	NC
18	NC
19	NC
20	NC
<DIGITAL PWB> <P.2-9 - P.2-10>	
MODE PIN NO.	DC (V)
IC6003	
1	4.8
2	0
3	4.8
4	0
5	4.8
6	4.8
7	4.8
8	8.9
IC7001	
1	3.2
2	3.2
3	1.2
4	0
5	NC
6	NC
7	NC
8	NC
9	NC
10	NC
11	3.2
12	NC
13	NC
14	0
15	NC
16	NC
17	NC
18	NC
19	0
20	3.2
21	3.2
22	1
23	1
24	1.1
25	1.1
26	0
27	3.2
28	0
29	3.1
30	0.1
31	0
32	1.5
33	0.3
34	3.2
35	1.5
36	1.3
37	0
38	0
39	3.2
40	1
41	1
42	0
43	1.6
44	0
45	1.6
46	3.2
47	1.6
48	3.2
49	1.6
50	0
51	1.6
52	3.2
53	1.6
54	3.2
55	0
56	3.2
57	0

MODE PIN NO.	DC (V)
58	1.4
59	0.6
60	1
61	3.2
62	0
63	1.5
64	0
65	0
66	3.2
67	1.6
68	3.2
69	0
70	1.5
71	0
72	3.2
73	1
74	3.2
75	0
76	0
77	1
78	1
79	1
80	3.2
81	0
82	0
83	0
84	0
85	0
86	0
87	0
88	3.2
89	3.2
90	0
91	3.2
92	3.2
93	0.2
94	0.2
95	0
96	0.2
97	0.2
98	3.2
99	0
100	0.2
101	0.2
102	3.2
103	0.2
104	0.2
105	0
106	3.2
107	3.2
108	0
109	0
110	1
111	3.2
112	0
113	1.4
114	1.4
115	1
116	3.2
117	3.2
118	3.2
119	0
120	3.2
121	3.2
122	1
123	3.2
124	3.2
125	3.2
126	0
127	3.2
128	0
129	1
130	3.2
131	3.2
132	0
133	3.2
134	2
135	2.5
136	0.1
137	0
138	0
139	2.3
140	0
141	3.2
142	3.2
143	1
144	3.2
145	3.2
146	3.2
147	3.2
148	3.2
149	3.2
150	3.2
151	3.2
152	3.2
153	3.1
154	3.2

MODE PIN NO.	DC (V)
155	3.2
156	0
157	0
158	3.2
159	0
160	0
161	0
162	0
163	1.7
164	0
165	0
166	0.3
167	1.7
168	0
169	0
170	0.6
171	3.2
172	0
173	3.2
174	3.2
175	1.7
176	0.7
177	0.9
178	0.3
179	0
180	1.7
181	0
182	0
183	0.1
184	1.7
185	0
186	0
187	0
188	3.2
189	1.7
190	0
191	0
192	0.1
193	1.7
194	0
195	0
196	3.2
197	3.2
198	3.2
199	0
200	3.2
201	0
202	1
203	0.1
204	0.1
205	1
206	1.3
207	1.2
208	1.1
209	3.2
210	1.1
211	1.2
212	0
213	1
214	1.2
215	1
216	1.3
IC7002	
1	0
2	0
3	0
4	0
5	2
6	2
7	0
8	3.2
IC7003	
1	3.2
2	0.1
3	0
4	0
5	3.2
6	3.2
7	3.2
8	3.2
IC7004	
1	3.2
2	3.2
3	NC
4	0
5	0
6	0
7	3.2
8	3.2
IC7005	
1	0
2	3.2
3	0
4	3.2

MODE PIN NO.	DC (V)
Q7003	
E	3.2
C	3.2
B	0
Q7004	
E	3.2
C	3.2
B	0
Q7005	
E	3.2
C	3.2
B	0
Q7006	
E	3.2
C	3.2
B	0
Q7007	
E	0
C	2.4
B	0.1
Q7008	
E	0
C	1.8
B	0.1

<P.2-11 - P.2-12>

MODE PIN NO.	DC (V)
IC6001	
1	0.1
2	0.1
3	0
4	20.3
5	20.2
6	0
7	0
8	0
9	0
10	0
11	0
12	0.1
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0.1
25	0.1
26	0
27	0
28	0
29	0
30	0
31	0
32	0
33	0
34	0
35	0
36	0
37	0
38	0
39	0
40	0
41	0.1
42	0
43	0
44	0.1
45	0
46	0
47	0
48	0
IC6002	
1	1.9
2	4
3	1.9
4	0
5	1.9
6	1.9
7	1.9
8	4.9
IC6661	
1	3.2
2	1.5
3	1.5
4	0
5	0
6	0.4
7	1.5
8	3.2
9	0

MODE PIN NO.	DC (V)
10	3.2
11	0
12	1.7
13	1.5
14	1.4
15	3
16	0
17	3.2
18	1.6
19	0
20	0
21	0
22	3.2
23	3.2
24	0
IC6771	
1	1.4
2	1.5
3	0
4	1.5
5	3.2
6	0
7	0
8	3.2
9	4.9
10	0
11	24
12	2.4
13	0
14	4.9
15	0
16	0
Q6104	
E	0
C	0
B	0.6
Q6105	
E	0
C	0
B	0.6
Q6501	
E	7
C	0.1
B	7.4
Q6503	
E	0
C	3.9
B	0.1

<P.2-13 - P.2-14>

MODE PIN NO.	DC (V)
IC9201	
1	4.9
2	1.7
3	4.4
4	4.9
5	3.2
6	1.7
7	0
8	NC
IC9231	
1	3.2
2	NC
3	0
4	1.8
5	1.7
6	NC
7	NC
8	4.9
IC9251	
1	6.1
2	4.9
3	1
4	0
5	0.4
6	0.7
7	4.9
8	4.7
IC9401	
1	22.8
2	23.9
3	11.8
4	0
5	0.4
6	0.8
7	3
8	4.8
IC9501	
1	18.2
2	2.8
3	8.9
4	NC
5	0

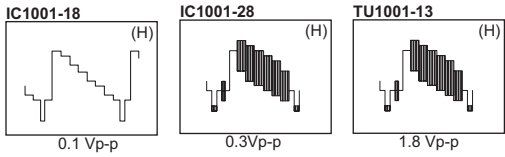
MODE PIN NO.	DC (V)
IC9601	
1	15.7
2	23.9
3	4.9
4	0
5	0.4
6	0.7
7	3.1
8	4.8
Q9702	
E	0
C	0
B	0.6
Q9703	
E	0
C	0
B	0.6

<POWER PWB>
<P.2-15- P.2-16>

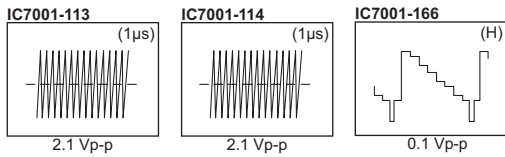
MODE PIN NO.	DC (V)
IC9501	
1	313
2	0
3	21.3
4	1.6
5	2.5
6	0
7	3.4
IC9503	
1	23.9
2	5
3	0
4	0
5	3.6
Q9501	
E	0
C	38.1
B	22.5
Q9551	
E	0
C	0
B	3.1
Q9552	
E	0
C	15.3
B	0
Q9601	
E	0
C	0
B	0.6
Q9602	
E	0
C	0
B	0.6
PC9501	
1	22.5
2	21.5
3	1.6
4	0

WAVEFORMS

ANALOG PWB



DIGITAL PWB(1/3)





Victor Company of Japan, Limited
Display Division 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

(No.YA702<Rev.001>)

Printed in Japan
VSE

ASSY NO.	MODEL LIST
SFU-00601A (LC116012)	... LT-32EX19A LT-32EX19EA
SFU-00603A (LC116076)	... LT-32BX19A LT-32BX19EA
SFU-006034EE1 (LC116076-02)	LT-32BX198A
SFU-00604A (LC116091)	... LT-32EX19B LT-32EX19EB
SFU-006044EE1 (LC116091-06)	LT-32EX198B
SFU-00605A (LC116091-02)	... LT-32EX19MB
SFU-00606A (LC116093)	LT-32EX19PB
SFU-00607A (LC116094)	... LT-42EX19A LT-42EX19EA
SFU-006074EE1 (LC116094-06)	LT-42EX198A
SFU-00608A (LC116091-02)	... LT-32EX19MA
SFU-00609A (LC116102-03)	... LT-32EX19PA
SFU-00610A (LC116102-04)	... LT-32EX19SA
SFU-00611A (LC116091-04)	... LT-32EX19SB
SFU-00612A (LC116091-02)	32EX198V-EPH 32EX19V-SK
SFU-00613A (LC116091-07)	32EX19C5B-SH 32EX29C5B-SH 32EX29B5-SK
SFU-00615A (LC116091-07)	... LT-32BX19PAT
SFU-00616A (LC116076-06)	... 32BX19VA-EPH 32BX19VA-SK
SFU-00617A (LC116101-02)	LT-42EX19MA
SFU-00618A (LC116101-03)	... LT-42EX19PA
SFU-00619A (LC116101-04)	42EX19C5A-SH 42EX19VA-SK
SFU-00620A (LC116101-05)	... LT-42EX19SA
SFU-00621A (LC116101-07)	42EX19VA-SK
SFU-00623A (LC116199)	32EX19AB-EPH 32EX19AB-PCK

```
OPEN : OPTION(NON MOD
CBM : MRS402J-CR0X
0 : MRS463J-CR0X
NPN : 25C1623A/5-6-
or 25C3928A/GR
PNP : 25A812A/5-6-X-
or 25A1530A/GR
DI : 1SS355N-X
ZD3 : 9LQZK3-9B-X
ZD5 : 6LQZW5-6B-X
or RKZ5-6BK2G
ZD6 : 8LQZW6-8B-X
ZD6 : 2LQZW8-2B-X
L4 : 7 : NQL793G-GR7X
L10 : NQL793G-100X
RAO : NRZ003A-CR0W
ZD3 : 3LQZK3-3B-X
8.1 : NR010R-CR0X
```

sheet

NOTES: UNLESS OTHERWISE SPECIFIED,
ALL RESISTANCE VALUES ARE IN OHMS
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μ F.

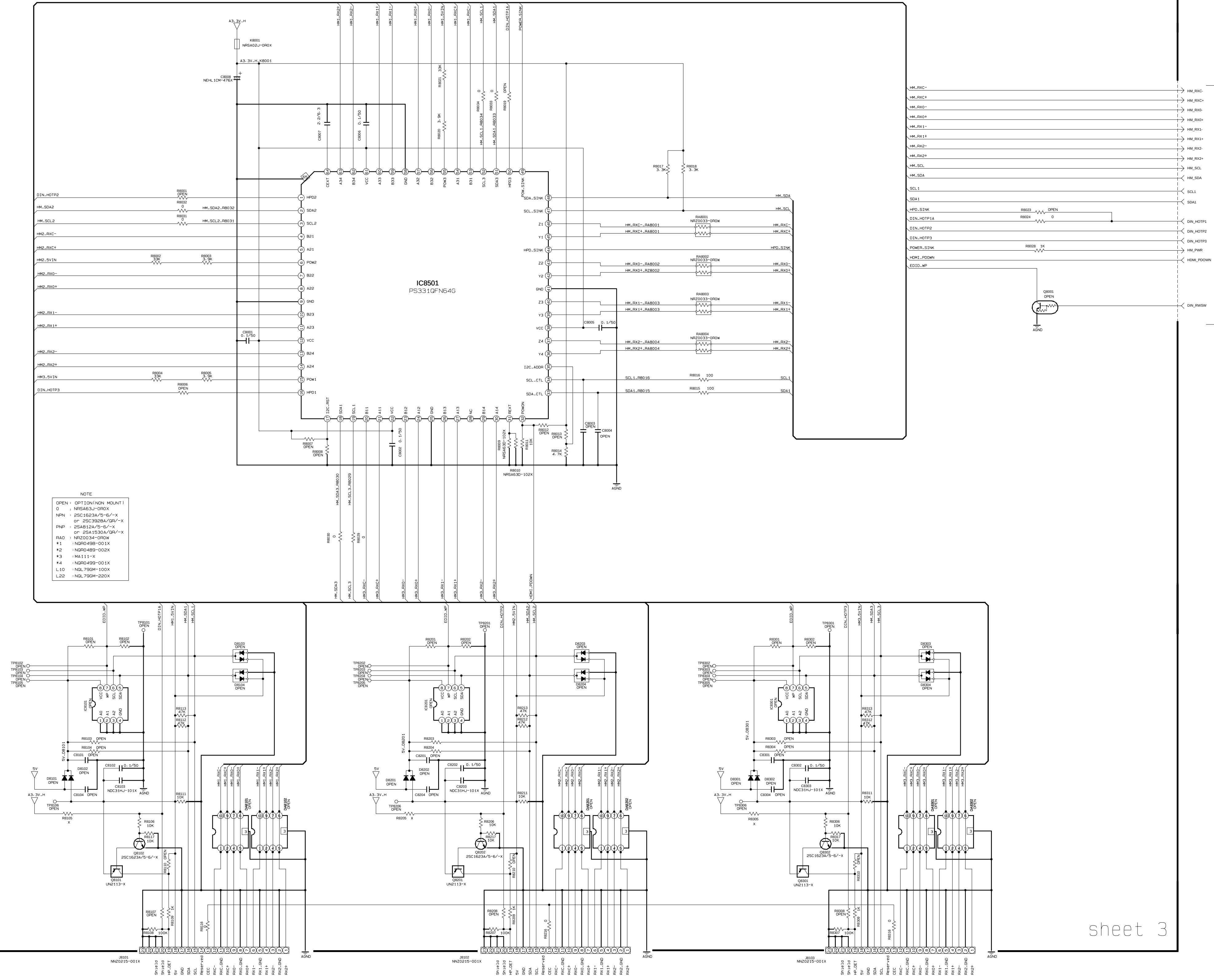
	CERAMIC		NON POLAR
	MYLAR		ELECTROLYTIC

 T-32EX194-FU3	(UNIT NO.) MODEL	SCHEMATIC DIAGRAM OF				SCALE	MATERIAL	FINISH
		NAME DIGITAL PB ASSY				1	_____	_____
		APPROVED S.HOOGSKA 20-APR-09	CHECKED S.HOOGSKA 20-APR-09	DRAWN P.AURGETON 21-MAR-09	DESIGNED P.SUTJISKAS 9-MAR-09	DRAWING NUMBER GGS10033		
DATE				GROUP	USER		_____	

11 MAIN PB ASS' Y
SFU-0D601A

HDMI (D-IN)

このシートはサービスマニュアルに載せて下さい。
Please do not put this sheet on a service manual.



ASSY. NO. -	MODEL LIST
SFU-0D601A [OLLC16010-2]	LT-32EX19A LT-32EX19EA
SFU-0D603A [OLLC16076]	LT-32BX19A LT-32BX19EA
SFU-0D603AE1 [OLLC16076-02]	LT-32BX19EA
SFU-0D604A [OLLC16091]	LT-32EX19B LT-32EX19EB
SFU-0D604EE1 [OLLC16091-06]	LT-32EX19BB
SFU-0D605A [OLLC16091-02]	LT-32EX19MB
SFU-0D606A [OLLC16091-04]	LT-32EX19PB
SFU-0D607A [OLLC16101]	LT-42EX19A LT-42EX19EA
SFU-0D607AE1 [OLLC16101-06]	LT-42EX19BA
SFU-0D609A [OLLC16102-02]	LT-32EX19MA
SFU-0D609A [OLLC16102-03]	LT-32EX19PA
SFU-0D610A [OLLC16102-04]	LT-32EX19SA
SFU-0D611A [OLLC16102-04]	LT-32EX19SB
SFU-0D612A [OLLC16102-05]	32EX19B-EPH 32EX19B-9-SK
SFU-0D613A [OLLC16091-07]	32EX19CSB-SK 32EX19NB-SK 32EX29CSB-SK 32EX29NB-SK
SFU-0D615A [OLLC16091-07]	LT-32BX19PAT
SFU-0D616A [OLLC16076-04]	32BX19A-EPH 32BX19A-SK
SFU-0D617A [OLLC16076-04]	LT-42EX19MA
SFU-0D618A [OLLC16101-03]	LT-42EX19PA
SFU-0D619A [OLLC16101-04]	42EX19CSA-SH 42EX19NA-SK
SFU-0D620A [OLLC16101-05]	LT-42EX19SA
SFU-0D621A [OLLC16101-07]	42EX19VA-SK
SFU-0D623A [OLLC16138]	32EX19RB-EPH 32EX19RB-PCK

sheet 3



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.ID
.ID
.ID
.ID
.ID
.ID

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A horizontal number line with two tick marks. The tick mark on the left is labeled '16' and the tick mark on the right is labeled '1'.

USE OF OTHER DIV. JMT
REVISIONS



(G. 1)
ADDITION MODEL
SFU-7602A (OLLC16017-02)
SFU-7606A (OLLC16185-01)
SFU-7606A (OLLC16185-02)
SFU-7608A (OLLC16202-01)
SFU-7611A (OLLC16185-03)

(G. 9)
ADDITION DIFFERENCE
PART LIST

P. AUKRADEATCH
6-MAY-09

--- ASSY NO. --- MODEL LIST ---
SFU-7602A...LT-32EX19A
(OLLC16017) LT-32EX19B
LT-32EX19EA
LT-32EX19EB
LT-32EX19MA
LT-32EX19MB
LT-32EX19PA
LT-32EX19PB
LT-32EX19SA
LT-32EX19SB
LT-32BX19A
LT-32BX19EA
LT-32BX19PA
LT-32BX19VASK
LT-32EX19VASK

△ SFU-7602A...LT-32BX19BA
(OLLC16017-02) LT-32EX19BB
LT-42EX19BA

△ SFU-7606A...LT-32BZ49A
(OLLC16185) LT-32BZ49EA
LT-32BZ49MA
LT-32Z49A
LT-32Z49EA
LT-32Z49MA
LT-32Z49SA
LT-42Z49A
LT-42Z49EA
LT-42Z49MA
LT-42Z49SA
32Z49VA-SK
42Z49VA-SK

△ SFU-7606A...LT-32BZ49BA
(OLLC16185-02) LT-32Z49BA
LT-42Z49BA

△ SFU-7608A...32EX19RB-EPH
(OLLC16202) 32EX19RB-PCK

△ SFU-7611A...42Z49RA-PCK
(OLLC16185-03)

ASIA

EURO

(TO KEY AND HP PB ASSY)

(FROM DIGITAL PB ASSY)

(TO KEY AND HP PB ASSY)

(FROM DIGITAL PB ASSY)

CN700G

GJL001-072022-E

HP_L 1
HP_GND 2
HP_R 3
HP_DET 4
GND 5
KEY_1 6
KEY_2 7

CN702R

OGA2547C1-10

HP_L 1
HP_GND 2
HP_R 3
HP_DET 4
GND 5
KEY_1 6
5V 7
REMOTE 8
STB5V 9
ECO 10

CN701G

HP_L 1
HP_GND 2
HP_R 3
HP_DET 4
GND 5
KEY_1 6

CN701R

HP_L 1
HP_GND 2
HP_R 3
HP_DET 4
GND 5
KEY_1 6
KEY_2 7
REMOTE 8
STB5V 9
ECO 10
5V 11

CN700R

OPEN

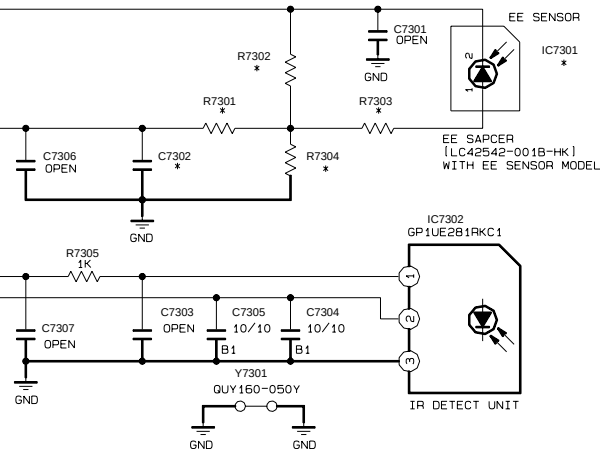
NOTE
OPEN : OPTION(NON MOUNT)
O : NRSAG3J-OROX
DI : ISS355W-X
ZD5.6:UDZW5.6B-X

75 REMOTE PB ASSY SFU-7602A

D7301
ZD5.6

D7302
ZD5.6

R7306
OPEN



DIFFERENCE PART LIST

LT-32BX19BA LT-32BZ49BA 42Z49RA-PCK
LT-32EX19A LT-32BZ49A 32EX19RB-PCK

	SFU-7602A	SFU-7602A	SFU-7606A	SFU-7606A	SFU-7608A	SFU-7611
	OLLC16017	OLLC16017-02	OLLC16185	OLLC16185-02	OLLC16202	OLLC16185-03
IC7301	OPEN	OPEN	OPEN	OPEN	OPEN	PIC96337
R7301	OPEN	OPEN	OPEN	OPEN	OPEN	100
R7302	OPEN	OPEN	OPEN	OPEN	OPEN	390K
R7303	OPEN	OPEN	OPEN	OPEN	OPEN	56K
R7304	OPEN	OPEN	OPEN	OPEN	OPEN	120K
C7302	OPEN	OPEN	OPEN	OPEN	OPEN	10/50

NOTES:UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN uH.
ALL CAPACITANCE VALUES ARE IN uF.
-C- CERAMIC
-M- MYLAR
-P- NON POLAR
-E- ELECTROLYTIC

FIG 1	NAME	SCHEMATIC DIAGRAM OF		SCALE	MATERIAL	FINISH
MODEL	APPROVED	CHECKED	DRAWN	DESIGNED	DRAWING NUMBER	
LT-32EX19A	5/30/09	5/30/09	5/30/09	5/30/09	GG520034	
	DATE				GROUP	USER

1/4

REVISIONS

(H. 1)

ADDITION MODEL

SFU-7601A (OLLC16016-02)

SFU-7607A (OLLC16201-01)

SFU-7610A (OLLC16016-03)

P. AUKRADEATCH
6-MAY-09

ASSY NO. - MODEL LIST
SFU-7601A ... LT-32EX19A
(OLLC16016) LT-32EX19B
LT-32EX19EA
LT-32EX19EB
LT-32EX19MA
LT-32EX19MB
LT-32EX19PA
LT-32EX19PB
LT-32EX19SA
LT-32EX19SB
LT-32Z49A
LT-32Z49EA
LT-32Z49MA
LT-32Z49SA
LT-32BX19A
LT-32BX19EA
LT-32BX19PA
LT-32BZ49A
LT32BX19VASK
LT32EX19VBSK
LT32Z49VASK
LT-42EX19A
LT-42EX19EA
LT-42EX19MA
LT-42EX19PA
LT-42EX19SA
LT-42Z49A
LT-42Z49EA
LT-42Z49MA
LT-42Z49SA
LT42EX19VASK
LT42Z49VASK

SFU-7601A ... LT-32BX19BA
(OLLC16016-02) LT-32BZ49BA
LT-32EX19BB
LT-32Z49BA
LT-42EX19BA
LT-42Z49BA

SFU-7607A ... 32EX19RB-EPH
(OLLC16201-01) 32EX19RB-PCK

SFU-7610A ... 42Z49RA-PCK
(OLLC16016-03)

75 SW PB ASSY

SFU-7601A

ASIA

EURO

TO REMOTE PB ASSY

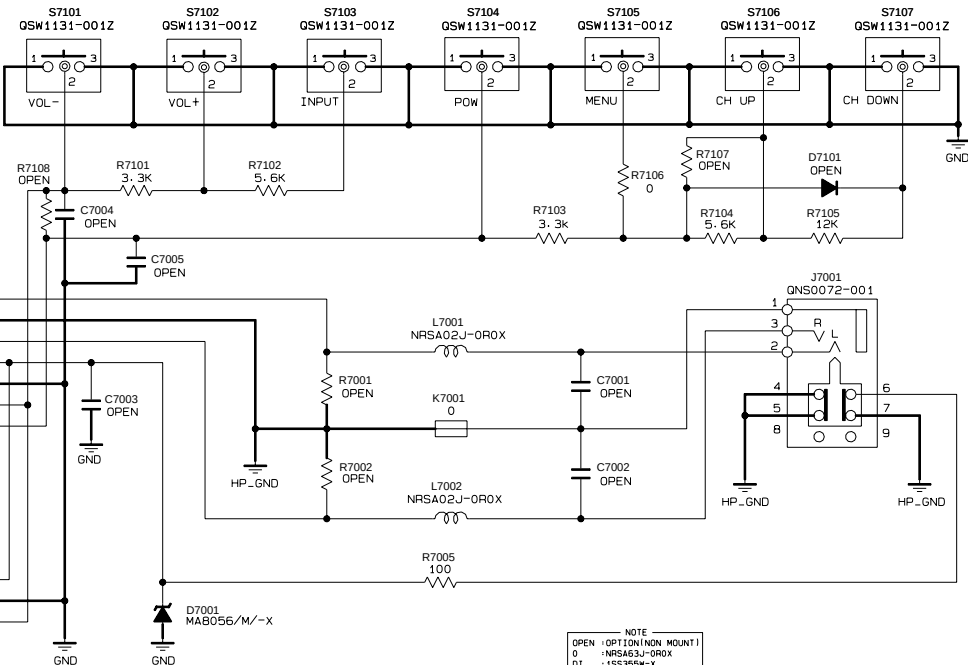
TO REMOTE PB ASSY

CN700G

OPEN

CN701G

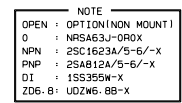
OPEN



NOTE
OPEN : OPTION (NON MOUNT)
0 : NRS463J-0R0X
01 : 1SS355W-X
203: 9-UD2W3: 9B-X

NOTES UNLESS OTHERWISE SPECIFIED:
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN MH.
ALL CAPACITANCE VALUES ARE IN PF.
-C- CERAMIC -P- NON POLAR
-M- MYLAR -E- ELECTROLYTIC

SCHEMATIC DIAGRAM OF		SCALE	MATERIAL	FINISH
SW PB ASS'Y		1		
APPROVED	CHECKED	DRAWN	DESIGNED	DRAWING NUMBER
S. BOKOR	S. BOKOR	S. BOKOR	P. SUMICH	66S20033
3-8-09	3-8-09	3-8-09	3-8-09	
DATE		GROUP	USER	SHEET
				1/1



	SFU-B601A	SFU-B601A	SFU-B604A	SFU-B605A	SFU-B605A	SFU-B606A
	OLLC16015	OLLC16015 -02	OLLC16200	OLLC16144	OLLC16144 -02	OLLC16015 -03
R8902	10K	10K	15K	4.7K	4.7K	15K
R8912	10K	10K	15K	OPEN	OPEN	10K
D8901	SEL TSE 20CS .01/50	SEL TSE 20CS .01/50	SEL TSE 20CS .01/50	SLR343BC7	SLR343BC7	SEL TSE 20CS .01/50
C8904						

	ASSY NO.	MODEL LIST
SFU-B601A (QLCC16015)	...	LT-32EX19A LT-32EX19B LT-32EX19E A LT-32EX19EB LT-32EX19MA LT-32EX19MB LT-32EX19PA LT-32EX19PB LT-32EX19SA LT-32EX19SB LT-32Z49A LT-32Z49E A LT-32Z49MA LT-32Z49SA LT32EX19VBSK T32Z49VASK
A		
SFU-B601A (QLCC16015-02)	...	LT-32EX19AB LT-32Z49BA LT-42EX19BA LT-42EX19EA LT-42EX19MA LT-42EX19PA LT-42EX19SA LT-42Z49A LT-42Z49E A LT-42Z49MA LT-42Z49SA LT42EX19VASK T42Z49VASK
A		
SFU-B604A (QLCC16200-01)	...	LT-32EX19BB LT-32Z49BA LT-42EX19BA LT-42Z49BA 32EX19RB-EPH 32EX19RB-PCK
SFU-B605A (QLCC16144-01)	...	LT-32BX19A LT-32BX19EA LT-32BX19PA LT-32BX19A LT-32BX19MA LT-32BX19PB LT-32BX19SB LT-32BX19SA LT-32BX19MA 32BX19VA-EK 32BX19VA-SK LT-32BX19BA LT-32BX19PB LT-32BX19SB 42Z49RA-PCK
A		
SFU-B605A (QLCC16144-02)	...	LT-32BX19BB LT-32BX19BA LT-32BX19PB LT-32BX19SB LT-32BX19SA LT-32BX19MA 32BX19VA-EK 32BX19VA-SK LT-32BX19BA LT-32BX19PB LT-32BX19SB 42Z49RA-PCK
A		
SFU-B606A (QLCC16015-03)	...	LT-32EX19AC LT-32EX19BC LT-32EX19EC A LT-32EX19ECB LT-32EX19MC LT-32EX19MB LT-32EX19PC LT-32EX19PB LT-32EX19SC LT-32EX19SB LT-32Z49AC LT-32Z49BC LT-32Z49EC A LT-32Z49ECB LT-32Z49MC LT-32Z49MA LT-32Z49PC LT-32Z49PB LT-32Z49SC LT-32Z49SB LT32EX19VBSK T32Z49VASK
A		

F03		SCHEMATIC DIAGRAM OF				SCALE	MATERIAL	FINISH
		NAME LED PB ASS'Y				1		
17-32E/194	MODEL	APPROVED 3-APR-09	CHECKED 3-APR-09	DRAWN 21-MAR-09	DESIGNED R. SUHMA	DRAWING NUMBER GGS20032		SHEET 1/1
		DATE		GROUP	USER			

PRINTED WIRING BOARD PARTS

ANALOG P.W. BOARD ASS'Y

[1] [6]

△ REF.	PART No.	PART NAME	DESCRIPTION
IC1001	R2A11018FP	IC	
IC1002	SN74LV04ANS-X	IC	
Q1001	2SA812A/5-6/-X	TRANSISTOR	
Q1002	2SC1623A/5-6/-X	TRANSISTOR	
Q1003	2SC1623A/5-6/-X	TRANSISTOR	
Q1004	2SC1623A/5-6/-X	TRANSISTOR	
Q1104	UN2226-X	DIGI TRANSISTOR	
Q1105	UN2226-X	DIGI TRANSISTOR	
Q1106	2SA812A/5-6/-X	TRANSISTOR	
D1103	RKZ5.6B2KG-X	Z DIODE	
D1106	RKZ5.6B2KG-X	Z DIODE	
D1109	RKZ5.6B2KG-X	Z DIODE	
D1112	RKZ5.6B2KG-X	Z DIODE	
D1113	RKZ10B2KG-X	Z DIODE	
D1114	RKZ10B2KG-X	Z DIODE	
D1117	RKZ5.6B2KG-X	Z DIODE	
D1118	RKZ10B2KG-X	Z DIODE	
D1119	RKZ10B2KG-X	Z DIODE	
D1122	RKZ5.6B2KG-X	Z DIODE	
D1125	RKZ5.6B2KG-X	Z DIODE	
D1130	RKZ5.6B2KG-X	Z DIODE	
D1133	RKZ10B2KG-X	Z DIODE	
D1134	RKZ10B2KG-X	Z DIODE	
D1135	RKZ10B2KG-X	Z DIODE	
D1137	RKZ10B2KG-X	Z DIODE	
D1138	RKZ5.6B2KG-X	Z DIODE	
D1139	RKZ5.6B2KG-X	Z DIODE	
D1140	RKZ10B2KG-X	Z DIODE	
D1141	RKZ10B2KG-X	Z DIODE	
C1001	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1002	QETN1CM-107Z	E CAPACITOR	100μF 16V M
C1003	QETN1CM-476Z	E CAPACITOR	47μF 16V M
C1009	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1010	QETN1CM-106Z	E CAPACITOR	10μF 16V M
C1011	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1012	NCB31HK-103X	C CAPACITOR	0.01μF 50V K
C1013	NCB31HK-821X	C CAPACITOR	820pF 50V K
C1014	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C1015	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C1016	NDC31HJ-180X	C CAPACITOR	18pF 50V J
C1017	NCB31HK-103X	C CAPACITOR	0.01μF 50V K
C1018	NCB31HK-103X	C CAPACITOR	0.01μF 50V K
C1019	NCB31AK-474X	C CAPACITOR	0.47μF 10V K
C1020	QETN1CM-107Z	E CAPACITOR	100μF 16V M
C1021	QETN1CM-107Z	E CAPACITOR	100μF 16V M
C1023	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1024	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1025	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1101	NCB31AK-474X	C CAPACITOR	0.47μF 10V K
C1102	NCB31AK-474X	C CAPACITOR	0.47μF 10V K
C1103	NCB31AK-474X	C CAPACITOR	0.47μF 10V K
C1104	NCB31AK-474X	C CAPACITOR	0.47μF 10V K
C1105	NCB31CK-105X	C CAPACITOR	1μF 16V K
C1106	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1107	NCB31CK-105X	C CAPACITOR	1μF 16V K
C1108	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1109	NCB31AK-474X	C CAPACITOR	0.47μF 10V K
C1110	NCB31CK-105X	C CAPACITOR	1μF 16V K
C1111	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1112	NCB31CK-105X	C CAPACITOR	1μF 16V K
C1113	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1128	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1132	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1136	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1137	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1138	QETN1CM-106Z	E CAPACITOR	10μF 16V M
C1139	NCB31CK-105X	C CAPACITOR	1μF 16V K
C1140	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1141	NCB31CK-105X	C CAPACITOR	1μF 16V K
C1142	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1143	QETN1CM-106Z	E CAPACITOR	10μF 16V M

△ REF.	PART No.	PART NAME	DESCRIPTION
C1144	QETN1CM-106Z	E CAPACITOR	10μF 16V M
C1145	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1146	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1150	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1151	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1153	NCB31CK-105X	C CAPACITOR	1μF 16V K
C1154	NCB31CK-105X	C CAPACITOR	1μF 16V K
C1155	NCB31HK-391X	C CAPACITOR	390pF 50V K
C1156	NCB31HK-391X	C CAPACITOR	390pF 50V K
C1201	QETN1HM-475Z	E CAPACITOR	4.7μF 50V M
C1202	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1203	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1204	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1205	QETN1CM-106Z	E CAPACITOR	10μF 16V M
C1206	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1207	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1208	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1209	NCB31AK-474X	C CAPACITOR	0.47μF 10V K
C1210	NCB31AK-474X	C CAPACITOR	0.47μF 10V K
C1211	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1212	QETN1HM-105Z	E CAPACITOR	1μF 50V M
C1217	QETN1CM-477Z	E CAPACITOR	470μF 16V M
C1218	NCB31AK-474X	C CAPACITOR	0.47μF 10V K
C1219	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1220	QETN1CM-476Z	E CAPACITOR	47μF 16V M
C1221	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1222	QETN1CM-476Z	E CAPACITOR	47μF 16V M
C1223	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1224	NCB31AK-474X	C CAPACITOR	0.47μF 10V K
C1225	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1226	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1227	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1228	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1229	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1230	QETN1CM-476Z	E CAPACITOR	47μF 16V M
C1231	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1232	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1233	QETN1CM-476Z	E CAPACITOR	47μF 16V M
C1234	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1237	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C1238	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
R1001	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1003	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1005	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1006	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1008	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R1009	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1010	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1011	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R1012	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1013	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1014	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1015	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R1016	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1017	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1021	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1022	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1023	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1025	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1026	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1028	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1101	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1102	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1103	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1104	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1105	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1107	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1109	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1110	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1111	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1112	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1113	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1115	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1116	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1117	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1118	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J

△ REF.	PART No.	PART NAME	DESCRIPTION
R1119	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1120	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1125	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1126	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1131	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1132	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1136	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1137	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1138	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1139	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1140	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1142	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1143	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1145	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1146	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1147	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1148	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1149	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1150	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1151	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R1152	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R1153	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1154	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R1156	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1157	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R1160	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1161	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1162	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1163	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1202	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1205	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1208	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1211	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1213	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1214	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1215	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J
R1216	NRSA63J-201X	MG RESISTOR	200Ω 1/16W J
R1218	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J

L1001	QQL244K-4R7Z	PEAKING COIL	4.7μH K
L1002	NQR0339-001X	FERRITE BEADS	
L1003	QQL244K-220Z	P COIL	22μH K
L1004	QQL244K-180Z	PEAKING COIL	18μH K
L1005	NQR0339-001X	FERRITE BEADS	
L1102	QQL244K-100Z	PEAKING COIL	10μH K
L1202	NQL796W-101X	COIL	100μH M
L1203	NQL796W-101X	COIL	100μH M
L1204	NQL796W-101X	COIL	100μH M
CN1001	QGB1231M1-23	CONNECTOR	B-B (1-23)
CN1002	QGB1231M1-23	CONNECTOR	B-B (1-23)
J1001	QNN0725-004	PIN JACK	VIDEO-1/OUT PUT
J1002	QNN0725-002	PIN JACK	VIDEO-1/VIDEO-2
J1003	QNZ1012-001	D CONNECTOR	PC IN
J1004	QNS0051-001	3.5 JACK	DVI ANALOG AUDIO
J1005	QNN0833-001	PIN JACK	PC AUDIO
K1101	NQR0389-003X	FERRITE BEADS	
K1102	NQR0389-003X	FERRITE BEADS	
TU1001	QAU0506-001	TUNER	

SW P.W. BOARD ASS'Y

[7][1]

△ REF.	PART No.	PART NAME	DESCRIPTION
D7001	RKZ5.6B2KG-X	Z DIODE	
R7005	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7101	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R7102	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R7103	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R7104	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R7105	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
L7001	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L7002	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J

△ REF.	PART No.	PART NAME	DESCRIPTION
J7001	QNS0072-001	HEADPHONE JACK	
K7001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
S7101	QSW1131-001Z	TACT SWITCH	VOL-
S7102	QSW1131-001Z	TACT SWITCH	VOL+
S7103	QSW1131-001Z	TACT SWITCH	TV/VIDEO
S7104	QSW1131-001Z	TACT SWITCH	POWER
S7105	QSW1131-001Z	TACT SWITCH	MENU/OK
S7106	QSW1131-001Z	TACT SWITCH	CH+
S7107	QSW1131-001Z	TACT SWITCH	CH-

REMOTE P.W. BOARD ASS'Y

[7][2]

△ REF.	PART No.	PART NAME	DESCRIPTION
IC7302	GPIUE281RKC1	IR DETECT UNIT	
D7301	RKZ5.6B2KG-X	Z DIODE	
D7302	RKZ5.6B2KG-X	Z DIODE	
C7304	NCB11AK-106X	C CAPACITOR	10μF 10V K
C7305	NCB11AK-106X	C CAPACITOR	10μF 10V K
R7305	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
CN7006	QJL001-072022-E	SIN CR B-B WIRE	

LED P.W. BOARD ASS'Y

[8][6]

△ REF.	PART No.	PART NAME	DESCRIPTION
Q8901	UN2212-X	DIGI TRANSISTOR	
Q8902	UN2110-X	DIGI TRANSISTOR	
D8901	SELT5E20CS/EF/T	LED	POWER
C8904	NCB31HK-103X	C CAPACITOR	0.01μF 50V K
R8901	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R8902	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
R8912	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J

POWER P.W. BOARD ASS'Y

[9][6]

△ REF.	PART No.	PART NAME	DESCRIPTION
IC9501	STR-Y6456-F3	IC	
IC9503	SI-8001FFE-F3	IC	
IC9515	TL431/A/-T	IC	
Q9501	2SC1627A/Y/-T	TRANSISTOR	
Q9551	RT1N241C-X	DIGI TRANSISTOR	
Q9552	RT1N241C-X	DIGI TRANSISTOR	
Q9601	2SC1623A/5-6/-X	TRANSISTOR	
Q9602	2SC1623A/5-6/-X	TRANSISTOR	

△ D9001	D3SBA60	BRIDGE DIODE	
D9501	RU3AM-LFC4	SI DIODE	
D9504	MA8200/M/-X	Z DIODE	
D9505	MA8220/M/-X	Z DIODE	
D9506	SJPM-H6-W	DIODE	
D9511	1SS355W-X	DIODE	
D9512	1SS355W-X	DIODE	
D9520	FMX-G22S	DIODE	
D9521	FMX-G22S	DIODE	
D9522	FMX-G22S	DIODE	
D9523	MA8100/M/-X	Z DIODE	
D9601	RU3AM-LFC4	SI DIODE	

△ REF.	PART No.	PART NAME	DESCRIPTION
D9602	HSU119-X	SI DIODE	
D9603	HSU119-X	SI DIODE	
D9701	SJPB-L4-X	SB DIODE	
D9702	SJPB-L4-X	SB DIODE	
D9703	PTZ6. 8B-X	Z DIODE	
△ C9001	QFZ9072-474	MM CAPACITOR	0. 47μF AC250V K
△ C9002	QFZ9072-474	MM CAPACITOR	0. 47μF AC250V K
△ C9003	QCZ9078-222	C CAPACITOR	2200pF AC250V M
△ C9004	QCZ9078-222	C CAPACITOR	2200pF AC250V M
△ C9005	QCZ9078-222	C CAPACITOR	2200pF AC250V M
△ C9007	QCZ9071-102	C CAPACITOR	1000pF AC400V M
△ C9008	QCZ9071-102	C CAPACITOR	1000pF AC400V M
C9501	QEZ0867-337	E CAPACITOR	330uF
C9502	QFP32JK-332	PP CAPACITOR	3300pF 630V K
C9503	QCZ0364-561	C CAPACITOR	560pF 2kV K
C9504	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C9505	QEHRIHM-107Z	E CAPACITOR	100μF 50V M
C9506	QEHRIHM-107Z	E CAPACITOR	100μF 50V M
C9507	QEHRIHM-106Z	E CAPACITOR	10μF 50V M
C9508	NCB31HK-103X	C CAPACITOR	0. 01μF 50V K
△ C9509	QCZ9071-102	C CAPACITOR	1000pF AC400V M
△ C9512	QCZ9071-102	C CAPACITOR	1000pF AC400V M
C9514	NCB31HK-104X	C CAPACITOR	0. 1μF 50V K
C9517	QCB32HK-682	C CAPACITOR	6800pF 500V K
C9520	QEZ0849-128	E CAPACITOR	1200uF
C9521	QEZ0849-128	E CAPACITOR	1200uF
C9522	QEZ0849-128	E CAPACITOR	1200uF
C9523	QECRIVM-477Z	E CAPACITOR	470μF 35V M
C9524	NCB31CK-563X	C CAPACITOR	0. 056μF 16V K
C9601	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C9603	QEHQIVM-228	E CAPACITOR	2200μF 35V M
C9705	QECRIEM-687Z	E CAPACITOR	680μF 25V M
C9706	NCB31HK-104X	C CAPACITOR	0. 1μF 50V K
C9708	QECRIVM-337Z	E CAPACITOR	330μF 35V M
C9709	NCB31HK-103X	C CAPACITOR	0. 01μF 50V K
C9710	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C9804	QECRIVM-477Z	E CAPACITOR	470μF 35V M
△ R9001	QRZ0107-474Z	C RESISTOR	470kΩ 1/2W K
△ R9005	QAD0141-4R0	N THERMISTOR	4Ω
R9501	QRE121J-154Y	C RESISTOR	150kΩ 1/2W J
R9502	QRZ0237-R18	UNF WW RESISTOR	0. 18Ω 3W J
R9503	QRT029J-R27	MF RESISTOR	0. 27Ω 2W J
R9504	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9505	NRSA63J-472X	MG RESISTOR	4. 7kΩ 1/16W J
R9506	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9507	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
△ R9508	QRZ9017-470	FUSI RESISTOR	47Ω 1/4W J
R9509	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
△ R9510	QRZ9046-825Z	C RESISTOR	8. 2MΩ 1/2W K
R9511	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9512	QRL039J-220	OMF RESISTOR	22Ω 3W J
R9513	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R9514	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R9517	NRSA63J-682X	MG RESISTOR	6. 8kΩ 1/16W J
R9518	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D
R9519	NRSA63D-152X	MG RESISTOR	1. 5kΩ 1/16W D
R9520	NRSA63D-332X	MG RESISTOR	3. 3kΩ 1/16W D
R9524	NRSA63J-472X	MG RESISTOR	4. 7kΩ 1/16W J
R9525	NRSA63D-912X	MG RESISTOR	9. 1kΩ 1/16W D
R9526	NRSA63D-821X	MG RESISTOR	820Ω 1/16W D
R9527	NRSA63D-822X	MG RESISTOR	8. 2kΩ 1/16W D
R9551	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R9552	NRSA63J-562X	MG RESISTOR	5. 6kΩ 1/16W J
R9553	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R9555	QRL039J-121	OMF RESISTOR	120Ω 3W J
R9604	NRSA63J-822X	MG RESISTOR	8. 2kΩ 1/16W J
R9605	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R9606	NRSA63J-822X	MG RESISTOR	8. 2kΩ 1/16W J
R9607	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
L9503	QQLZ026-140	COIL	14uH
L9504	QQLZ026-140	COIL	14uH
L9701	QQR1827-001	CHOKE COIL	
△ T9501	QQS0444-001	SW TRANSF	
△ CP9501	ICP-N75-T	IC PROTECTOR	2. 7A
△ CP9502	ICP-N75-T	IC PROTECTOR	2. 7A
△ CP9506	QMFZ043-5R0Z-J1	FUSE	5A AC250V
△ F9001	QMF5A02-6R3-J1	FUSE	6. 3A AC250V
K9505	QQR0621-002Z	FERRITE BEADS	

△ REF.	PART No.	PART NAME	DESCRIPTION
K9702	QQR1113-001Z	FERRITE BEADS	
K9703	QQR0621-002Z	FERRITE BEADS	
K9704	QQR0621-002Z	FERRITE BEADS	
K9705	QQR0621-002Z	FERRITE BEADS	
△ LF9002	QQR1281-004	LINE FILTER	
△ LF9003	QQR1514-001	LINE FILTER	
△ PC9501	PS2581AL1/QW/	PHOTO COUPLER	
△ VA9001	QAF0060-621	VARISTOR	620V

DIGITAL P.W. BOARD ASS'Y

△ REF.	PART No.	PART NAME	DESCRIPTION
IC6001	R2A15112FP-X	IC	
IC6002	BH3547F-X	IC	
IC6003	MC4558CD-X	IC	
IC6661	NJU26123VC2-X	IC	
IC6771	AK4384ET-X	IC	
IC7001	R8J66619FP	IC	
IC7002	ATF64-32EX19RB	IC	(SERVICE)
IC7003	25VF080B32EX19B	IC(MICRO C ROM)	(SERVICE)
IC7004	TC7WH08FU-X	IC	
IC7005	S-80928CLNB-G-W	IC	
IC9201	MM1689AH-X	IC	
IC9231	MM1663DH-X	IC	
IC9251	SI-8015Q-X	IC	
IC9401	SI-8005Q-X	IC	
IC9501	PQ090DNA1Z-X	IC	
IC9601	SI-8005Q-X	IC	
Q6104	2SC1623A/5-6/-X	TRANSISTOR	
Q6105	2SC1623A/5-6/-X	TRANSISTOR	
Q6501	2SA812A/5-6/-X	TRANSISTOR	
Q6503	2SC1623A/5-6/-X	TRANSISTOR	
Q7003	2SA812A/5-6/-X	TRANSISTOR	
Q7004	2SA812A/5-6/-X	TRANSISTOR	
Q7005	2SA812A/5-6/-X	TRANSISTOR	
Q7006	2SA812A/5-6/-X	TRANSISTOR	
Q7007	SSM3K02F-X	MOS FET	
Q7008	2SC1623A/5-6/-X	TRANSISTOR	
Q9702	2SC1623A/5-6/-X	TRANSISTOR	
Q9703	2SC1623A/5-6/-X	TRANSISTOR	
Q9704	2SC1623A/5-6/-X	TRANSISTOR	
Q9705	2SC1623A/5-6/-X	TRANSISTOR	
D6301	RKZ5. 1B2KG-X	Z DIODE	
D6501	HSU119-X	SI DIODE	
D6502	HSU119-X	SI DIODE	
D6503	HSU119-X	SI DIODE	
D6504	HSU119-X	SI DIODE	
D6505	HSU119-X	SI DIODE	
D7004	RKZ5. 6B2KG-X	Z DIODE	
D7005	RKZ5. 6B2KG-X	Z DIODE	
D7006	RKZ5. 6B2KG-X	Z DIODE	
D7007	RKZ5. 6B2KG-X	Z DIODE	
D7008	RKZ5. 6B2KG-X	Z DIODE	
D7009	RKZ5. 6B2KG-X	Z DIODE	
D7010	RKZ5. 6B2KG-X	Z DIODE	
D7011	RKZ5. 6B2KG-X	Z DIODE	
D7012	RKZ5. 6B2KG-X	Z DIODE	
D7013	RKZ5. 6B2KG-X	Z DIODE	
D7014	RKZ5. 6B2KG-X	Z DIODE	
D7015	RKZ5. 6B2KG-X	Z DIODE	
D7016	RKZ5. 6B2KG-X	Z DIODE	
D7018	RKZ5. 6B2KG-X	Z DIODE	
D7019	RKZ5. 6B2KG-X	Z DIODE	
D9251	EC30QSA045-X	SB DIODE	
D9252	EC30QSA045-X	SB DIODE	
D9401	EC30QSA045-X	SB DIODE	
D9402	EC30QSA045-X	SB DIODE	
D9403	PTZ16B-X	Z DIODE	
D9404	HSU119-X	SI DIODE	
D9601	EC30QSA045-X	SB DIODE	
D9602	EC30QSA045-X	SB DIODE	
D9603	PTZ6. 8B-X	Z DIODE	
D9604	HSU119-X	SI DIODE	
D9705	RKZ3. 0B2KG-X	Z DIODE	

△ REF.	PART No.	PART NAME	DESCRIPTION	△ REF.	PART No.	PART NAME	DESCRIPTION
D9706	MA8024-X	Z DIODE		C7039	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6101	NCB11AK-106X	C CAPACITOR	10μF 10V K	C7041	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6102	NCB11AK-106X	C CAPACITOR	10μF 10V K	C7043	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6105	NCB21AK-105X	C CAPACITOR	1μF 10V K	C7044	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6106	NCB21AK-105X	C CAPACITOR	1μF 10V K	C7045	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6107	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7046	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6108	QEHQ1HM-227	E CAPACITOR	220μF 50V M	C7047	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6111	NCB11AK-106X	C CAPACITOR	10μF 10V K	C7048	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C6112	NCB11AK-106X	C CAPACITOR	10μF 10V K	C7049	NCB20JK-475X	C CAPACITOR	4.7μF 6.3V K
C6113	NCB11AK-106X	C CAPACITOR	10μF 10V K	C7050	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6114	NCB31AK-105X	C CAPACITOR	1μF 10V K	C7051	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C6116	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7053	NCB31HK-273X	C CAPACITOR	0.027μF 50V K
C6117	NCB21EK-224X	C CAPACITOR	0.22μF 25V K	C7054	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C6118	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7055	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6119	NCB11AK-106X	C CAPACITOR	10μF 10V K	C7056	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6120	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7057	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6121	QEHQ1VM-108	E CAPACITOR	1000μF 35V M	C7058	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6122	NCB21EK-224X	C CAPACITOR	0.22μF 25V K	C7059	NCB31HK-103X	C CAPACITOR	0.01μF 50V K
C6127	QEHQ1VM-108	E CAPACITOR	1000μF 35V M	C7060	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C6301	NCJ21CK-106X-D	C CAPACITOR	10μF 16V K	C7061	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6302	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7066	NEHLOGM-227X	E CAPACITOR	220μF 4V M
C6303	NCJ21CK-106X-D	C CAPACITOR	10μF 16V K	C7067	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6304	NRSa63J-104X	MG RESISTOR	100kΩ 1/16W J	C7068	NEHLOGM-227X	E CAPACITOR	220μF 4V M
C6305	NCB31HK-473X	C CAPACITOR	0.047μF 50V K	C7069	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6306	NCB21AK-475X	C CAPACITOR	4.7μF 10V K	C7070	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6307	NRSa63J-104X	MG RESISTOR	100kΩ 1/16W J	C7071	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6308	NCB31HK-473X	C CAPACITOR	0.047μF 50V K	C7072	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C6309	NCB21AK-475X	C CAPACITOR	4.7μF 10V K	C7073	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C6501	NEHL1CM-107X	E CAPACITOR	100μF 16V M	C7074	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6504	NCB31CK-223X	C CAPACITOR	0.022μF 16V K	C7075	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6505	NCB31CK-223X	C CAPACITOR	0.022μF 16V K	C7078	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6506	NCB21AK-475X	C CAPACITOR	4.7μF 10V K	C7079	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6507	NEHL1CM-107X	E CAPACITOR	100μF 16V M	C7080	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6508	NCB21AK-475X	C CAPACITOR	4.7μF 10V K	C7081	NENAOJM-476X	BP E CAPACITOR	47μF 6.3V M
C6509	NCB21AK-105X	C CAPACITOR	1μF 10V K	C7082	NENAOJM-476X	BP E CAPACITOR	47μF 6.3V M
C6510	NEHLOGM-227X	E CAPACITOR	220μF 4V M	C7083	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6511	NEHL1CM-476X	E CAPACITOR	47μF 16V M	C7084	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6512	NEHLOGM-227X	E CAPACITOR	220μF 4V M	C7085	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6513	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7086	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6514	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7088	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6515	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7090	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6516	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7092	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6518	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7093	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6520	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7094	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C6662	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7095	NDC31HJ-560X	C CAPACITOR	56pF 50V J
C6663	NEHL1HM-475X	E CAPACITOR	4.7μF 50V M	C7101	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6664	NDC31HJ-100X	C CAPACITOR	10pF 50V J	C7103	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6665	NDC31HJ-100X	C CAPACITOR	10pF 50V J	C7104	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6771	NEHL1CM-106X	E CAPACITOR	10μF 16V M	C7105	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6772	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7106	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C6773	NEHL1CM-106X	E CAPACITOR	10μF 16V M	C7107	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C6774	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7108	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7002	NEHLOGM-227X	E CAPACITOR	220μF 4V M	C7109	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7003	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7110	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7004	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7111	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7006	NCB31HK-103X	C CAPACITOR	0.01μF 50V K	C7112	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7007	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C7114	NEHLOGM-227X	E CAPACITOR	220μF 4V M
C7008	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7118	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7009	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7119	NEHLOGM-227X	E CAPACITOR	220μF 4V M
C7010	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7121	NEHLOGM-227X	E CAPACITOR	220μF 4V M
C7011	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7125	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7012	NDC31HJ-220X	C CAPACITOR	22pF 50V J	C7126	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7013	NDC31HJ-9R0X	C CAPACITOR	9pF 50V J	C7127	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7014	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7129	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7015	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7130	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7017	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7131	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7018	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7132	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7019	NCB20JK-106X	C CAPACITOR	10μF 6.3V K	C7133	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7020	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7134	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7021	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7135	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7022	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7136	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7023	NCB20JK-106X	C CAPACITOR	10μF 6.3V K	C7137	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7024	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7138	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7025	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7139	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7027	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7141	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7028	NEHLOGM-227X	E CAPACITOR	220μF 4V M	C7142	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7030	NCB31CK-105X	C CAPACITOR	1μF 16V K	C7143	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C7032	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7144	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7033	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7145	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
C7034	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	C7146	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C7038	NEHLOJM-107X	E CAPACITOR	100μF 6.3V M	C7147	NCB31HK-104X	C CAPACITOR	0.1μF 50V K
				C7148	NCB31HK-104X	C CAPACITOR	0.1μF 50V K

△ REF.	PART No.	PART NAME	DESCRIPTION	△ REF.	PART No.	PART NAME	DESCRIPTION
C7151	NEHL06M-227X	E CAPACITOR	220μF 4V M	R6505	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
C7152	NCB11AK-106X	C CAPACITOR	10μF 10V K	R6506	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C7153	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	R6507	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C7154	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	R6512	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C7157	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	R6515	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7158	NCB10JK-106X	C CAPACITOR	10μF 6.3V K	R6516	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C7159	NCB31CK-105X	C CAPACITOR	1μF 16V K	R6517	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C7160	NCB31CK-105X	C CAPACITOR	1μF 16V K	R6518	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7161	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	R6520	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
C7162	NCB31CK-105X	C CAPACITOR	1μF 16V K	R6521	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C7164	NCB31HK-103X	C CAPACITOR	0.01μF 50V K	R6524	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C7165	NCB31CK-104X	C CAPACITOR	0.1μF 16V K	R6663	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C7169	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	R6664	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C7171	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	R6665	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C9201	NCB31AK-105X	C CAPACITOR	1μF 10V K	R6666	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C9202	NCB31AK-105X	C CAPACITOR	1μF 10V K	R6667	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C9203	NEH1CM-106X	E CAPACITOR	10μF 16V M	R6668	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C9204	NCB31AK-334X	C CAPACITOR	0.33μF 10V K	R6669	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C9205	NEH1CM-106X	E CAPACITOR	10μF 16V M	R6670	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9206	NCB31AK-334X	C CAPACITOR	0.33μF 10V K	R6672	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C9207	NCB31AK-105X	C CAPACITOR	1μF 10V K	R6673	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
C9208	NCB31AK-105X	C CAPACITOR	1μF 10V K	R6675	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C9209	NCB31AK-105X	C CAPACITOR	1μF 10V K	R6680	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C9231	NCB31AK-105X	C CAPACITOR	1μF 10V K	R6682	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C9232	NEH1CM-106X	E CAPACITOR	10μF 16V M	R6683	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
C9233	NCB31AK-334X	C CAPACITOR	0.33μF 10V K	R6771	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9234	NDC31HJ-471X	C CAPACITOR	470pF 50V J	R6772	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9235	NEHL1CM-226X	E CAPACITOR	22μF 16V M	R6773	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9236	NCB31AK-105X	C CAPACITOR	1μF 10V K	R6774	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9237	NCB31AK-105X	C CAPACITOR	1μF 10V K	R6775	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9241	NEH10JM-107X	E CAPACITOR	100μF 6.3V M	R6777	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9242	NEH10JM-107X	E CAPACITOR	100μF 6.3V M	R6779	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9243	NCB31AK-105X	C CAPACITOR	1μF 10V K	R6780	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9251	NCJ41HK-335X-U	C CAPACITOR	3.3μF 50V K	R7002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9252	NCJ41HK-335X-U	C CAPACITOR	3.3μF 50V K	R7004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9253	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	R7005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9254	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	R7006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9255	NCB31HK-222X	C CAPACITOR	2200pF 50V K	R7007	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C9256	NCB31HK-332X	C CAPACITOR	3300pF 50V K	R7008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C9258	NCB31HK-103X	C CAPACITOR	0.01μF 50V K	R7009	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
C9259	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	R7010	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
C9401	NCJ41HK-335X-U	C CAPACITOR	3.3μF 50V K	R7011	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J
C9402	NCJ41HK-335X-U	C CAPACITOR	3.3μF 50V K	R7012	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9403	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	R7013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9404	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	R7014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9405	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R7015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9406	NCB31HK-103X	C CAPACITOR	0.01μF 50V K	R7016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9408	NCB31HK-103X	C CAPACITOR	0.01μF 50V K	R7019	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C9409	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	R7020	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
C9501	NEHL1CM-226X	E CAPACITOR	22μF 16V M	R7021	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9502	NEHL1CM-226X	E CAPACITOR	22μF 16V M	R7022	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C9601	NCJ41HK-335X-U	C CAPACITOR	3.3μF 50V K	R7023	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J
C9603	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	R7024	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D
C9604	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K	R7025	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D
C9605	NDC31HJ-101X	C CAPACITOR	100pF 50V J	R7026	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D
C9606	NCB31HK-103X	C CAPACITOR	0.01μF 50V K	R7027	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9608	NCB31HK-103X	C CAPACITOR	0.01μF 50V K	R7028	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9609	NCB31HK-104X	C CAPACITOR	0.1μF 50V K	R7029	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
C9712	NEHL1HM-105X	E CAPACITOR	1μF 50V M	R7030	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R3001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7031	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R3002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7032	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7033	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R3004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7034	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6101	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7036	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6102	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7037	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6106	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R7038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6109	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7039	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6111	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R7040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6116	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7043	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6118	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7044	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6119	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R7045	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6301	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R7046	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6303	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R7047	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R6304	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R7048	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R6305	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R7049	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R6307	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R7050	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R6308	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R7051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6309	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R7052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6502	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R7053	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R6503	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R7054	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6504	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R7055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
				R7057	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J

△ REF.	PART No.	PART NAME	DESCRIPTION	△ REF.	PART No.	PART NAME	DESCRIPTION
R7059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9406	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R7060	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9407	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R7061	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9408	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R7062	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9409	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9410	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R7065	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	R9501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7066	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9502	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R7067	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9601	NRSA02J-680X	MG RESISTOR	68Ω 1/10W J
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7071	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R9603	NRSA63D-683X	MG RESISTOR	68kΩ 1/16W D
R7073	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9604	NRSA63D-154X	MG RESISTOR	150kΩ 1/16W D
R7074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9605	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D
R7075	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R9606	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R7076	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R9607	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R7077	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R9608	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R7078	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9610	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R7084	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R9611	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7086	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9712	NRSA63D-223X	MG RESISTOR	22kΩ 1/16W D
R7087	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9713	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R7088	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9715	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R7093	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9716	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R7094	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9717	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R7110	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	RA7001	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7120	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	RA7002	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7121	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	RA7003	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
R7122	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J				
R7123	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	L6101	NQLF3EM-330X	COIL	33μH M
R7126	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L6102	NQLF3EM-330X	COIL	33μH M
R7128	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L7001	NQR0339-001X	FERRITE BEADS	
R7129	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	L7002	NQR0339-001X	FERRITE BEADS	
R7130	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L7003	NQR0339-001X	FERRITE BEADS	
R7131	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	L7004	NQR0339-001X	FERRITE BEADS	
R7133	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L7005	NQR0339-001X	FERRITE BEADS	
R7134	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L7006	NQR0339-001X	FERRITE BEADS	
R7135	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L7007	NQR0339-001X	FERRITE BEADS	
R7136	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L7008	NQR0339-001X	FERRITE BEADS	
R7137	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L7009	NQR0339-001X	FERRITE BEADS	
R7138	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L7010	NQR0339-001X	FERRITE BEADS	
R7139	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L7011	NQR0339-001X	FERRITE BEADS	
R7142	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L7012	NQR0339-001X	FERRITE BEADS	
R7143	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L7013	NQR0339-001X	FERRITE BEADS	
R7144	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L7014	NQR0339-001X	FERRITE BEADS	
R7145	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L7015	NQR0339-001X	FERRITE BEADS	
R7146	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L7016	NQR0339-001X	FERRITE BEADS	
R7147	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L7017	NQR0339-001X	FERRITE BEADS	
R7148	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L7018	NQR0339-001X	FERRITE BEADS	
R7149	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L7019	NQR0339-001X	FERRITE BEADS	
R7150	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L7020	NQR0339-001X	FERRITE BEADS	
R7151	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L7021	NQR0339-001X	FERRITE BEADS	
R7152	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L7022	NQR0339-001X	FERRITE BEADS	
R7153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L7023	NQR0339-001X	FERRITE BEADS	
R7154	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	L7024	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7155	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L9241	NQLD7EM-150X	COIL	15μH M
R7156	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L9251	NQLD7EM-150X	COIL	15μH M
R7157	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L9401	NQLD7EM-150X	COIL	15μH M
R7158	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	L9601	NQLD7EM-150X	COIL	15μH M
R7159	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J				
R7161	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	CN001	QGB1231L2-23W	CONNECTOR	B-B (1-23)
R7163	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	CN002	QGB1231L2-23W	CONNECTOR	B-B (1-23)
R7164	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	J8101	NNZ0215-001X	HDMI CONNECTOR	DIGITAL IN
R7166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	J8102	NNZ0215-001X	HDMI CONNECTOR	DIGITAL IN
R7182	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	J8103	NNZ0215-001X	HDMI CONNECTOR	DIGITAL IN
R7183	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	K6101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7186	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	K6102	NQR0413-002X	FERRITE BEADS	
R7197	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	K6103	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7198	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	K6104	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R7199	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	K6105	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9201	NRS016J-100X	MG RESISTOR	10Ω 1W J	K6106	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9202	NRS016J-100X	MG RESISTOR	10Ω 1W J	K6107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9203	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	K6108	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9204	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	K6109	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9251	NRSA02J-680X	MG RESISTOR	68Ω 1/10W J	K6110	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9252	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	K6111	NQR0339-001X	FERRITE BEADS	
R9253	NRSA63D-243X	MG RESISTOR	24kΩ 1/16W D	K6112	NQR0339-001X	FERRITE BEADS	
R9254	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D	K6113	NQR0339-001X	FERRITE BEADS	
R9255	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D	K6114	NQR0339-001X	FERRITE BEADS	
R9256	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	K6661	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9401	NRSA02J-680X	MG RESISTOR	68Ω 1/10W J	K6771	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9402	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	K7001	NQR0499-002X	FERRITE BEADS	
R9403	NRSA63D-564X	MG RESISTOR	560kΩ 1/16W D	K7003	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9404	NRSA63D-154X	MG RESISTOR	150kΩ 1/16W D	K7004	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9405	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D	K9201	NQR0339-001X	FERRITE BEADS	

△ REF.	PART No.	PART NAME	DESCRIPTION
K9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K9203	NQR0339-001X	FERRITE BEADS	
K9204	NQR0339-001X	FERRITE BEADS	
K9205	NQR0339-001X	FERRITE BEADS	
K9231	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K9232	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K9233	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K9241	NQR0339-001X	FERRITE BEADS	
K9251	NQR0339-001X	FERRITE BEADS	
K9401	NQR0339-001X	FERRITE BEADS	
K9402	NQR0339-001X	FERRITE BEADS	
K9601	NQR0339-001X	FERRITE BEADS	
X6661	NAX0932-001X	CRYSTAL	12.288MHz
X7001	NAX1051-001X	CRYSTAL	36.864MHz
X7002	NAX0983-001X	CRYSTAL	27.000MHz

PARTS LIST

CAUTION

- The parts identified by the Δ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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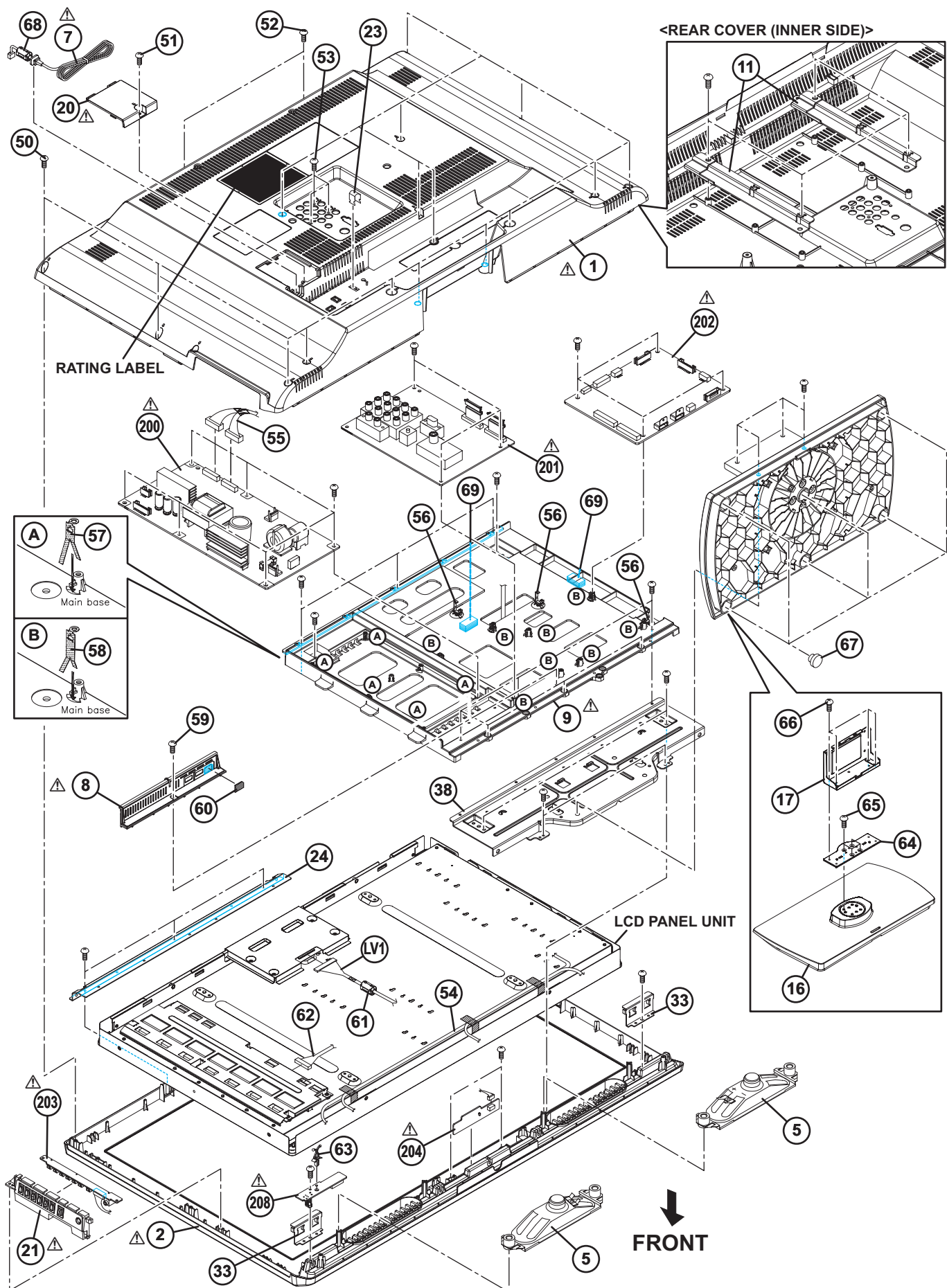
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y name	P.W.B ASS'Y No.			
	LT-32EX19/AT	LT-32EX19/MAT	LT-32EX19/PAT	LT-32EX19/SAT
ANALOG P.W.B	SFU-1601A-H2	←	SFU-1603A-H2	SFU-1601A-H2
SW P.W.B	SFU-7601A-H2	←	←	←
REMOTE P.W.B	SFU-7602A-H2	←	←	←
LED P.W.B	SFU-8601A-H2	←	←	←
POWER P.W.B	SFU-9601A-H2	←	←	←
DIGITAL P.W.B	SFU0D601A-H2	SFU0D608A-H2	SFU0D609A-H2	SFU0D610A-H2
REMOTE CONTROL UNIT	RM-C2020-1C	←	←	←

EXPLODED VIEW PARTS LIST -1

△ Ref.No.	Part No.	Part Name	Description	Local
	LV1	WJW0109-001A-E	DIGITAL(LVDS)CABLE	DIGITAL CN0LV-LCD PANEL UNIT
△ 1	GG10596-003A-H	REAR COVER		
△ 2	GG10562-002E-H	FRONT PANEL		
5	QAS0590-001	SPEAKER	(x2)	
△ 7	QMPRB50-170-Q1	POWER CORD	1.7m BLACK	LT-32EX19AT,LT-32EX19MAT
△ 7	QMPRC70-165-Q1	POWER CORD	1.65m BLACK	LT-32EX19PAT
△ 7	QMPN370-170-JC	POWER CORD	1.7m BLACK	LT-32EX19SAT
△ 8	GG20205-005A-H	TERMINAL BASE		
△ 9	GG10552-001D-H	MAIN BASE		
11	GG30180-001A-H	BACK BRACKET	(x2)	
16	GG10591-001B-H	STAND BASE UNIT		
17	GG20215-001A-H	SUPPORT PLATE		
△ 20	LC34028-002A-H	POWER CORD COVER		
△ 21	GG30203-004A-H	CONTROL ASSY		
23	GG40042-001A-H	CORD CLAMP		
24	GG10589-001C-H	TOP FRAME		
33	GG30205-003A-H	LCD SUPPORT BRACKET	(x2)	
38	GG10588-001B-H	BOTTOM FRAME		
50	QYSBSFG3014ZA	TAP SCREW	M3 x 14mm(x16)	
51	QYSBSFG3014ZA	TAP SCREW	M3 x 14mm	
52	QYSBSGG3008ZA	TAP SCREW	M3 x 8mm(x2)	
53	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x3)	
54	WJZ0354-001A-E	WIRE	DIGITAL-LED/REMOTE/SPEAKER	
55	WJZ0316-001A-E	WIRE	POWER PWB-DIGITAL PWB	
56	QZW0156-002	WIRE CLAMP	(x3)	
57	GG30206-001B-H	EARTH PLATE	(x5)	
58	GG30206-002A-H	EARTH PLATE	(x8)	
59	QYSBSFG3014ZA	TAP SCREW	M3 x 14mm	
60	GG40076-001A-H	SPACER SHEET		
61	QQR0490-001	NOISE FILTER		
62	WJZ0248-002A-E	WIRE	POWER PWB-LCD PANEL UNIT	
63	QZW0028-001	WIRE CLAMP		
64	GG30212-001B-H	BRACKET SPACER		
65	QYSSSP5008ZA	SCREW	M5 x 8mm(x4)	
66	QYSPSPD5010MA	SCREW	M5 x 10mm(x4)	
67	LC42759-001A-C	FOOT	(x6)	
68	QQR0491-001	FERRITE CORE		
69	GG40038-002A-H	ABS SHEET	(x9)	
△ 200	SFU-9601A-H2	POWER PWB		
△ 201	SFU-1601A-H2	ANALOG PWB		LT-32EX19AT,LT-32EX19MAT,LT-32EX19SAT
△ 201	SFU-1603A-H2	ANALOG PWB		LT-32EX19PAT
△ 202	SFU0D601A-H2	DIGITAL PWB		LT-32EX19AT
△ 202	SFU0D608A-H2	DIGITAL PWB		LT-32EX19MAT
△ 202	SFU0D609A-H2	DIGITAL PWB		LT-32EX19PAT
△ 202	SFU0D610A-H2	DIGITAL PWB		LT-32EX19SAT
△ 203	SFU-7601A-H2	SW PWB		
△ 204	SFU-8601A-H2	LED PWB		
△ 208	SFU-7602A-H2	REMOTE PWB		

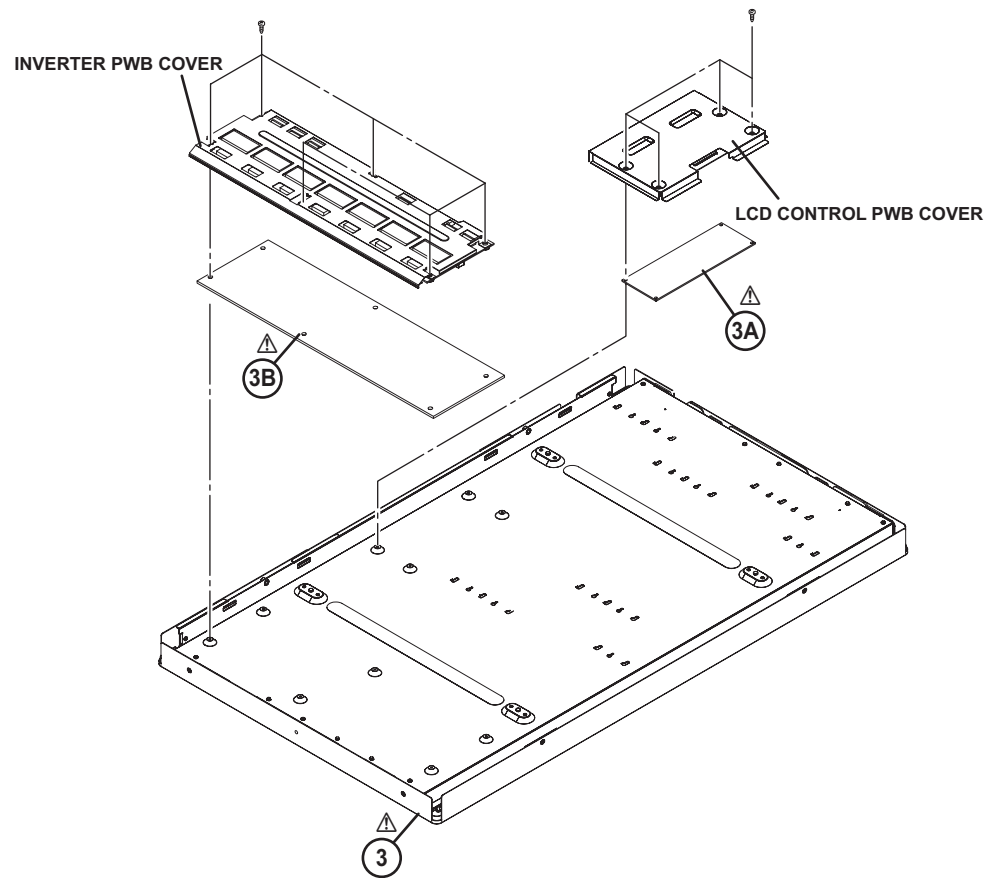
EXPLODED VIEW -1



EXPLODED VIEW PARTS LIST -2

△	Ref.No.	Part No.	Part Name	Description	Local
△	3	QLD0566-001-JMT	LCD PANEL UNIT	Inc.3A-3B(T315XW02 VL)	
△	3A	AU-55.31T03.C03	CONTROL PWB		
△	3B	AU-19.31T03.007	INVERTER PWB		

EXPLODED VIEW -2



PRINTED WIRING BOARD PARTS LIST [LT-32EX19/AT]

ANALOG P.W. BOARD ASS'Y (SFU-1601A-H2)

△Ref No.	Part No.	Part Name	Description Local
IC1001	R2A11018FP	IC	
IC1002	SN74LV04ANS-X	IC	
Q1001	2SA812A/5-6/-X	TRANSISTOR	
Q1002	2SC1623A/5-6/-X	TRANSISTOR	
Q1003	2SC1623A/5-6/-X	TRANSISTOR	
Q1004	2SC1623A/5-6/-X	TRANSISTOR	
Q1104	UN2226-X	DIGI TRANSISTOR	
Q1105	UN2226-X	DIGI TRANSISTOR	
Q1106	2SA812A/5-6/-X	TRANSISTOR	
D1103	RKZ5.6B2KG-X	Z DIODE	
D1106	RKZ5.6B2KG-X	Z DIODE	
D1109	RKZ5.6B2KG-X	Z DIODE	
D1112	RKZ5.6B2KG-X	Z DIODE	
D1113	RKZ10B2KG-X	Z DIODE	
D1114	RKZ10B2KG-X	Z DIODE	
D1117	RKZ5.6B2KG-X	Z DIODE	
D1118	RKZ10B2KG-X	Z DIODE	
D1119	RKZ10B2KG-X	Z DIODE	
D1122	RKZ5.6B2KG-X	Z DIODE	
D1125	RKZ5.6B2KG-X	Z DIODE	
D1130	RKZ5.6B2KG-X	Z DIODE	
D1133	RKZ10B2KG-X	Z DIODE	
D1134	RKZ10B2KG-X	Z DIODE	
D1135	RKZ10B2KG-X	Z DIODE	
D1137	RKZ10B2KG-X	Z DIODE	
D1138	RKZ5.6B2KG-X	Z DIODE	
D1139	RKZ5.6B2KG-X	Z DIODE	
D1140	RKZ10B2KG-X	Z DIODE	
D1141	RKZ10B2KG-X	Z DIODE	
C1001	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1002	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1003	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C1009	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1010	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C1011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1013	NCB31HK-821X	C CAPACITOR	820pF 50V K
C1014	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C1015	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C1016	NDC31HJ-180X	C CAPACITOR	18pF 50V J
C1017	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1018	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1019	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1020	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1021	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1023	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1024	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1025	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1101	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1102	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1103	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1104	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1105	NCB31CK-105X	C CAPACITOR	1uF 16V K
C1106	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1107	NCB31CK-105X	C CAPACITOR	1uF 16V K
C1108	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1109	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1110	NCB31CK-105X	C CAPACITOR	1uF 16V K
C1111	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1112	NCB31CK-105X	C CAPACITOR	1uF 16V K
C1113	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1128	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1132	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1136	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1137	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1138	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C1139	NCB31CK-105X	C CAPACITOR	1uF 16V K
C1140	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1141	NCB31CK-105X	C CAPACITOR	1uF 16V K
C1142	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1143	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C1144	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C1145	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1146	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1150	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1151	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1153	NCB31CK-105X	C CAPACITOR	1uF 16V K
C1154	NCB31CK-105X	C CAPACITOR	1uF 16V K
C1155	NCB31HK-391X	C CAPACITOR	390pF 50V K
C1156	NCB31HK-391X	C CAPACITOR	390pF 50V K
C1201	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M

△Ref No.	Part No.	Part Name	Description Local
C1202	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1203	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1204	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1205	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C1206	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1207	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1208	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1209	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1210	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1211	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1212	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1217	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1218	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1219	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1220	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C1221	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1222	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C1223	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1224	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1225	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1226	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1227	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1228	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1229	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1230	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C1231	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1232	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1233	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C1234	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1237	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1238	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
R1001	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1003	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1005	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1006	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1008	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R1009	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1010	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1011	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R1012	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1013	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1014	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1015	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R1016	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1017	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1101	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1102	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1103	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1104	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1105	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1107	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1109	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1110	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1111	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1112	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1113	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1115	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1116	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1117	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1118	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1119	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1120	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1125	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1126	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1131	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1132	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1136	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1137	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1138	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1139	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1140	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1142	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1143	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1145	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1146	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1147	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1148	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1149	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1150	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1151	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J

△Ref No.	Part No.	Part Name	Description	Local
R1152	NRSA63J-391X	MG RESISTOR	390Ω	1/16W J
R1153	NRSA63J-823X	MG RESISTOR	82kΩ	1/16W J
R1154	NRSA63J-823X	MG RESISTOR	82kΩ	1/16W J
R1156	NRSA63J-102X	MG RESISTOR	1kΩ	1/16W J
R1157	NRSA63J-104X	MG RESISTOR	100kΩ	1/16W J
R1160	NRSA63J-222X	MG RESISTOR	2.2kΩ	1/16W J
R1161	NRSA63J-333X	MG RESISTOR	33kΩ	1/16W J
R1162	NRSA63J-222X	MG RESISTOR	2.2kΩ	1/16W J
R1163	NRSA63J-333X	MG RESISTOR	33kΩ	1/16W J
R1202	NRSA63J-0R0X	MG RESISTOR	0Ω	1/10W J
R1205	NRSA63J-0R0X	MG RESISTOR	0Ω	1/10W J
R1208	NRSA63J-0R0X	MG RESISTOR	0Ω	1/10W J
R1211	NRSA63J-0R0X	MG RESISTOR	0Ω	1/10W J
R1213	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J
R1214	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J
R1215	NRSA63J-201X	MG RESISTOR	200Ω	1/16W J
R1216	NRSA63J-201X	MG RESISTOR	200Ω	1/16W J
R1218	NRSA63J-0R0X	MG RESISTOR	0Ω	1/10W J
L1001	QQL244K-4R7Z	PEAKING COIL	4.7uH	K
L1002	NQR0339-001X	FERRITE BEADS		
L1003	QQL244K-220Z	P COIL	22uH	K
L1004	QQL244K-180Z	PEAKING COIL	18uH	K
L1005	NQR0339-001X	FERRITE BEADS		
L1102	QQL244K-100Z	PEAKING COIL	10uH	K
L1202	NQL79GM-101X	COIL	100uH	M
L1203	NQL79GM-101X	COIL	100uH	M
L1204	NQL79GM-101X	COIL	100uH	M
CN1001	QGB1231M1-23	CONNECTOR	B-B (1-23)	
CN1002	QGB1231M1-23	CONNECTOR	B-B (1-23)	
J1001	QNN0725-004	PIN JACK	VIDEO-1/OUT PUT	
J1002	QNN0725-002	PIN JACK	VIDEO-1/VIDEO-2	
J1003	QNZ1012-001	D CONNECTOR	PC IN	
J1004	QNS0051-001	3.5 JACK	DVI ANALOG AUDIO	
J1005	QNN0833-001	PIN JACK	PC AUDIO	
K1101	NQR0389-003X	FERRITE BEADS		
K1102	NQR0389-003X	FERRITE BEADS		
TU1001	QAU0506-001	TUNER		

SW P.W. BOARD ASS'Y (SFU-7601A-H2)

△Ref No.	Part No.	Part Name	Description	Local
D7001	RKZ5.6B2KG-X	Z DIODE		
R7005	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J
R7101	NRSA63J-332X	MG RESISTOR	3.3kΩ	1/16W J
R7102	NRSA63J-562X	MG RESISTOR	5.6kΩ	1/16W J
R7103	NRSA63J-332X	MG RESISTOR	3.3kΩ	1/16W J
R7104	NRSA63J-562X	MG RESISTOR	5.6kΩ	1/16W J
R7105	NRSA63J-123X	MG RESISTOR	12kΩ	1/16W J
R7106	NRSA63J-0R0X	MG RESISTOR	0Ω	1/10W J
L7001	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J
L7002	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J
J7001	QNS0072-001	HEADPHONE JACK		
K7001	NRSA63J-0R0X	MG RESISTOR	0Ω	1/10W J
S7101	QSW1131-001Z	TACT SWITCH	VOL-	
S7102	QSW1131-001Z	TACT SWITCH	VOL+	
S7103	QSW1131-001Z	TACT SWITCH	TV/VIDEO	
S7104	QSW1131-001Z	TACT SWITCH	POWER	
S7105	QSW1131-001Z	TACT SWITCH	MENU/OK	
S7106	QSW1131-001Z	TACT SWITCH	CH+	
S7107	QSW1131-001Z	TACT SWITCH	CH-	

REMOTE P.W. BOARD ASS'Y (SFU-7602A-H2)

△Ref No.	Part No.	Part Name	Description	Local
IC7302	GP1UE281RKC1	IR DETECT UNIT		
D7301	RKZ5.6B2KG-X	Z DIODE		
D7302	RKZ5.6B2KG-X	Z DIODE		
C7304	NCB11AK-106X	C CAPACITOR	10uF	10V K
C7305	NCB11AK-106X	C CAPACITOR	10uF	10V K
R7305	NRSA63J-102X	MG RESISTOR	1kΩ	1/16W J

△Ref No.	Part No.	Part Name	Description	Local
CN700G	QJL001-072022-E	SIN CR B-B WIRE		

LED P.W. BOARD ASS'Y (SFU-8601A-H2)

△Ref No.	Part No.	Part Name	Description	Local
Q8901	UN2212-X	DIGI TRANSISTOR		
Q8902	UN2110-X	DIGI TRANSISTOR		
D8901	SELT5E20CS/EF/T	LED		POWER
C8904	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
R8901	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J
R8902	NRSA63J-151X	MG RESISTOR	150Ω	1/16W J
R8912	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J

POWER P.W. BOARD ASS'Y (SFU-9601A-H2)

△Ref No.	Part No.	Part Name	Description	Local
IC9501	STR-Y6456-F3	IC		
IC9503	SI-8001FFE-F3	IC		
IC9515	TL431/A/-T	IC		
Q9501	2SC1627A/Y/-T	TRANSISTOR		
Q9551	RT1N241C-X	DIGI TRANSISTOR		
Q9552	RT1N241C-X	DIGI TRANSISTOR		
Q9601	2SC1623A/5-6/-X	TRANSISTOR		
Q9602	2SC1623A/5-6/-X	TRANSISTOR		
△D9001	D3SBA60	BRIDGE DIODE		
D9501	RU3AM-LFC4	SI DIODE		
D9504	MA8200/M/-X	Z DIODE		
D9505	MA8220/M/-X	Z DIODE		
D9506	SJPX-H6-W	DIODE		
D9511	1SS355W-X	DIODE		
D9512	1SS355W-X	DIODE		
D9520	FMX-G22S	DIODE		
D9521	FMX-G22S	DIODE		
D9522	FMX-G22S	DIODE		
D9523	MA8068/M/-X	Z DIODE		
D9601	RU3AM-LFC4	SI DIODE		
D9602	HSU119-X	SI DIODE		
D9603	HSU119-X	SI DIODE		
D9701	SJPB-L4-X	SB DIODE		
D9702	SJPB-L4-X	SB DIODE		
D9703	PTZ6.8B-X	Z DIODE		
△C9001	QFZ9072-474	MM CAPACITOR	0.47uF	AC250V K
△C9002	QFZ9072-474	MM CAPACITOR	0.47uF	AC250V K
△C9003	QCZ9078-222	C CAPACITOR	2200pF	AC250V M
△C9004	QCZ9078-222	C CAPACITOR	2200pF	AC250V M
△C9005	QCZ9078-222	C CAPACITOR	2200pF	AC250V M
△C9007	QCZ9071-102	C CAPACITOR	1000pF	AC400V M
△C9008	QCZ9071-102	C CAPACITOR	1000pF	AC400V M
C9501	QEZO867-337	E CAPACITOR	330uF	
C9502	QFP32GJ-223	PP CAPACITOR	0.022uF	400V J
C9503	QCZO364-391	C CAPACITOR	390pF	
C9504	NCB31HK-102X	C CAPACITOR	1000pF	50V K
C9505	QEHR1HM-107Z	E CAPACITOR	100uF	50V M
C9506	QEHR1HM-107Z	E CAPACITOR	100uF	50V M
C9507	QEHR1HM-106Z	E CAPACITOR	10uF	50V M
C9508	NCB31HK-472X	C CAPACITOR	4700pF	50V K
△C9509	QCZ9071-102	C CAPACITOR	1000pF	AC400V M
△C9512	QCZ9071-102	C CAPACITOR	1000pF	AC400V M
C9514	NCB31HK-104X	C CAPACITOR	0.1uF	50V K
C9517	QCB32HK-103	C CAPACITOR	0.01uF	500V K
C9520	QEZO849-128	E CAPACITOR	1200uF	
C9521	QEZO849-128	E CAPACITOR	1200uF	
C9522	QEZO849-128	E CAPACITOR	1200uF	
C9523	QECR1VM-477Z	E CAPACITOR	470uF	35V M
C9524	NCB31CK-333X	C CAPACITOR	0.033uF	16V K
C9601	NCB31HK-222X	C CAPACITOR	2200pF	50V K
C9603	QEHQ1VM-228	E CAPACITOR	2200uF	35V M
C9705	QECR1EM-687Z	E CAPACITOR	680uF	25V M
C9706	NCB31HK-104X	C CAPACITOR	0.1uF	50V K
C9708	QECR1VM-337Z	E CAPACITOR	330uF	35V M
C9709	NCB31HK-103X	C CAPACITOR	0.01uF	50V K
C9710	NCB31HK-102X	C CAPACITOR	1000pF	50V K
C9804	QECR1VM-477Z	E CAPACITOR	470uF	35V M

△Ref No.	Part No.	Part Name	Description Local
△R9001	QRZ0107-474Z	C RESISTOR	470kΩ 1/2W K
△R9005	QAD0141-4R0	N THERMISTOR	4Ω
R9501	QRE121J-154Y	C RESISTOR	150kΩ 1/2W J
R9502	QRZ0237-R18	UNF WW RESISTOR	0.18Ω 3W J
R9503	QRT029J-R27	MF RESISTOR	0.27Ω 2W J
R9504	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9505	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R9506	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9507	QRE121J-473Y	C RESISTOR	47kΩ 1/2W J
△R9508	QRZ9017-470	FUSI RESISTOR	47Ω 1/4W J
R9509	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
△R9510	QRZ9046-825Z	C RESISTOR	8.2MΩ 1/2W K
R9511	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R9512	QRL039J-220	OMF RESISTOR	22Ω 3W J
R9513	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R9514	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R9517	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R9518	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D
R9519	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D
R9520	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D
R9524	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R9525	NRSA63D-912X	MG RESISTOR	9.1kΩ 1/16W D
R9526	NRSA63D-821X	MG RESISTOR	820Ω 1/16W D
R9527	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D
R9551	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R9552	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R9553	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R9555	QRL039J-121	OMF RESISTOR	120Ω 3W J
R9604	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R9605	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R9606	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R9607	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
L9503	QQLZ026-140	COIL	14uH
L9504	QQLZ026-140	COIL	14uH
L9701	QQR1827-001	CHOKE COIL	
△T9501	QQS0444-001	SW TRANSF	
△CP9501	ICP-N75-T	IC PROTECTOR	2.7A
△CP9502	ICP-N75-T	IC PROTECTOR	2.7A
△CP9506	QMFZ043-5R0Z-J1	FUSE	5A AC250V
△F9001	QMF5AD2-6R3-J1	FUSE	6.3A AC250V
K9505	QQR0621-002Z	FERRITE BEADS	
K9702	QQR1113-001Z	FERRITE BEADS	
K9703	QQR0621-002Z	FERRITE BEADS	
K9704	QQR0621-002Z	FERRITE BEADS	
K9705	QQR0621-002Z	FERRITE BEADS	
△LF9002	QQR1281-004	LINE FILTER	
△LF9003	QQR1514-001	LINE FILTER	
△PC9501	PS2581AL1/QW/	PHOTO COUPLER	
△VA9001	QAF0060-621	VARISTOR	620V

DIGITAL P.W. BOARD ASS'Y (SFU0D601A-H2)

△Ref No.	Part No.	Part Name	Description Local
IC6001	R2A15112FP-X	IC	
IC6002	BH3547F-X	IC	
IC6003	MC4558CD-X	IC	
IC6661	NJU26123VC2-X	IC	
IC6771	AK4384ET-X	IC	
IC7001	R8J66619FP	IC	
IC7002	ATF64-32EX19A	IC	(SERVICE)
IC7003	25VF080B32EX19A	IC(MICRO C ROM)	(SERVICE)
IC7004	TC7WH08FU-X	IC	
IC7005	S-80928CLNB-G-W	IC	
IC9201	MM1689AH-X	IC	
IC9231	MM1663DH-X	IC	
IC9251	SI-8015Q-X	IC	
IC9401	SI-8005Q-X	IC	
IC9501	PQ090DNA1Z-X	IC	
IC9601	SI-8005Q-X	IC	
Q6104	2SC1623A/5-6/-X	TRANSISTOR	
Q6105	2SC1623A/5-6/-X	TRANSISTOR	
Q6501	2SA812A/5-6/-X	TRANSISTOR	
Q6503	2SC1623A/5-6/-X	TRANSISTOR	
Q7003	2SA812A/5-6/-X	TRANSISTOR	
Q7004	2SA812A/5-6/-X	TRANSISTOR	
Q7005	2SA812A/5-6/-X	TRANSISTOR	
Q7006	2SA812A/5-6/-X	TRANSISTOR	
Q7007	SSM3K02F-X	MOS FET	
Q7008	2SC1623A/5-6/-X	TRANSISTOR	
Q9702	2SC1623A/5-6/-X	TRANSISTOR	

△Ref No.	Part No.	Part Name	Description Local
Q9703	2SC1623A/5-6/-X	TRANSISTOR	
Q9704	2SC1623A/5-6/-X	TRANSISTOR	
Q9705	2SC1623A/5-6/-X	TRANSISTOR	
D6301	RKZ5.1B2KG-X	Z DIODE	
D6501	HSU119-X	SI DIODE	
D6502	HSU119-X	SI DIODE	
D6503	HSU119-X	SI DIODE	
D6504	HSU119-X	SI DIODE	
D6505	HSU119-X	SI DIODE	
D7004	RKZ5.6B2KG-X	Z DIODE	
D7005	RKZ5.6B2KG-X	Z DIODE	
D7006	RKZ5.6B2KG-X	Z DIODE	
D7007	RKZ5.6B2KG-X	Z DIODE	
D7008	RKZ5.6B2KG-X	Z DIODE	
D7009	RKZ5.6B2KG-X	Z DIODE	
D7010	RKZ5.6B2KG-X	Z DIODE	
D7011	RKZ5.6B2KG-X	Z DIODE	
D7012	RKZ5.6B2KG-X	Z DIODE	
D7013	RKZ5.6B2KG-X	Z DIODE	
D7014	RKZ5.6B2KG-X	Z DIODE	
D7015	RKZ5.6B2KG-X	Z DIODE	
D7016	RKZ5.6B2KG-X	Z DIODE	
D7018	RKZ5.6B2KG-X	Z DIODE	
D7019	RKZ5.6B2KG-X	Z DIODE	
D9251	SJPB-L4-X	SB DIODE	
D9252	SJPB-L4-X	SB DIODE	
D9401	SJPB-L4-X	SB DIODE	
D9402	SJPB-L4-X	SB DIODE	
D9403	PTZ16B-X	Z DIODE	
D9404	HSU119-X	SI DIODE	
D9601	SJPB-L4-X	SB DIODE	
D9602	SJPB-L4-X	SB DIODE	
D9603	PTZ6.8B-X	Z DIODE	
D9604	HSU119-X	SI DIODE	
D9705	RKZ3.0B2KG-X	Z DIODE	
D9706	MA8024-X	Z DIODE	
C6101	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6102	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6105	NCB21AK-105X	C CAPACITOR	1uF 10V K
C6106	NCB21AK-105X	C CAPACITOR	1uF 10V K
C6107	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6109	NEHQ1VM-227X	E CAPACITOR	220uF 35V M
C6111	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6112	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6113	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6114	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6116	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6117	NCB21EK-224X	C CAPACITOR	0.22uF 25V K
C6118	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6119	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6120	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6122	NCB21EK-224X	C CAPACITOR	0.22uF 25V K
C6123	NEHQ1VM-227X	E CAPACITOR	220uF 35V M
C6124	NEHQ1VM-227X	E CAPACITOR	220uF 35V M
C6125	NEHQ1VM-227X	E CAPACITOR	220uF 35V M
C6126	NEHQ1VM-227X	E CAPACITOR	220uF 35V M
C6301	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K
C6302	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6303	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K
C6304	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C6305	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
C6306	NCB21AK-475X	C CAPACITOR	4.7uF 10V K
C6307	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C6308	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
C6309	NCB21AK-475X	C CAPACITOR	4.7uF 10V K
C6501	NEHL1CM-107X	E CAPACITOR	100uF 16V M
C6504	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C6505	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C6506	NCB21AK-475X	C CAPACITOR	4.7uF 10V K
C6507	NEHL1CM-107X	E CAPACITOR	100uF 16V M
C6508	NCB21AK-475X	C CAPACITOR	4.7uF 10V K
C6509	NCB21AK-105X	C CAPACITOR	1uF 10V K
C6510	NEHL0GM-227X	E CAPACITOR	220uF 4V M
C6511	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C6512	NEHL0GM-227X	E CAPACITOR	220uF 4V M
C6513	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6514	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6515	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6516	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6518	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6520	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6662	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6663	NEHL1HM-475X	E CAPACITOR	4.7uF 50V M
C6664	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C6665	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C6771	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C6772	NCB31HK-104X	C CAPACITOR	0.1uF 50V K

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C6773	NEHL1CM-106X	E CAPACITOR	10uF 16V M	C7125	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6774	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7126	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7002	NEHL0GM-227X	E CAPACITOR	220uF 4V M	C7127	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7129	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7004	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7130	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7131	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7007	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C7132	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7008	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7133	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7009	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7134	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7010	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7135	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7136	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7012	NDC31HJ-220X	C CAPACITOR	22pF 50V J	C7137	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7013	NDC31HJ-9R0X	C CAPACITOR	9pF 50V J	C7138	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7014	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7139	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7015	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7141	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7017	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7142	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7018	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7143	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C7019	NCB20JK-106X	C CAPACITOR	10uF 6.3V K	C7144	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7020	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7145	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7021	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7146	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C7022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7147	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7023	NCB20JK-106X	C CAPACITOR	10uF 6.3V K	C7148	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7024	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7151	NEHL0GM-227X	E CAPACITOR	220uF 4V M
C7025	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7152	NCB11AK-106X	C CAPACITOR	10uF 10V K
C7027	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7153	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7028	NEHL0GM-227X	E CAPACITOR	220uF 4V M	C7154	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7030	NCB31CK-105X	C CAPACITOR	1uF 16V K	C7157	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7032	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7158	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
C7033	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7159	NCB31CK-105X	C CAPACITOR	1uF 16V K
C7034	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7160	NCB31CK-105X	C CAPACITOR	1uF 16V K
C7038	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	C7161	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7039	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7162	NCB31CK-105X	C CAPACITOR	1uF 16V K
C7041	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7164	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7043	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7165	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C7044	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7171	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7045	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9201	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7046	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9202	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7047	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9203	NEHM1CM-106X	E CAPACITOR	10uF 16V M
C7048	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C9204	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C7049	NCB20JK-475X	C CAPACITOR	4.7uF 6.3V K	C9205	NEHM1CM-106X	E CAPACITOR	10uF 16V M
C7050	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9206	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C7051	NCB31HK-222X	C CAPACITOR	2200pF 50V K	C9207	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7053	NCB31HK-273X	C CAPACITOR	0.027uF 50V K	C9208	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7054	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C9209	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7055	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9231	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7056	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9232	NEHM1CM-106X	E CAPACITOR	10uF 16V M
C7057	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9233	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C7058	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9234	NDC31HJ-471X	C CAPACITOR	470pF 50V J
C7059	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9235	NEHL1CM-226X	E CAPACITOR	22uF 16V M
C7060	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C9236	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7061	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9237	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7066	NEHL0GM-227X	E CAPACITOR	220uF 4V M	C9241	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C7067	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9242	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C7068	NEHL0GM-227X	E CAPACITOR	220uF 4V M	C9243	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7069	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9251	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C7070	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9252	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C7071	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9253	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7072	NDC31HJ-150X	C CAPACITOR	15pF 50V J	C9254	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7073	NDC31HJ-150X	C CAPACITOR	15pF 50V J	C9255	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C7074	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9256	NCB31HK-332X	C CAPACITOR	3300pF 50V K
C7075	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9258	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7078	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9259	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7079	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9401	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C7080	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9402	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C7081	NENA0JM-476X	BP E CAPACITOR	47uF 6.3V M	C9403	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7082	NENA0JM-476X	BP E CAPACITOR	47uF 6.3V M	C9404	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7083	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9405	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C7084	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9406	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7085	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9408	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7086	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9409	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7088	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9501	NEHL1CM-226X	E CAPACITOR	22uF 16V M
C7090	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9502	NEHL1CM-226X	E CAPACITOR	22uF 16V M
C7092	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9601	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C7093	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9603	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7101	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9604	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7103	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9605	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C7104	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9606	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7105	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9608	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7106	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C9609	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7107	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9712	NEHL1HM-105X	E CAPACITOR	1uF 50V M
C7108	NCB31HK-104X	C CAPACITOR	0.1uF 50V K				
C7109	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R3001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C7110	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R3002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C7111	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C7112	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R3004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C7114	NEHL0GM-227X	E CAPACITOR	220uF 4V M	R6101	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C7118	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6102	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C7119	NEHL0GM-227X	E CAPACITOR	220uF 4V M	R6106	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C7121	NEHL0GM-227X	E CAPACITOR	220uF 4V M	R6109	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R6111	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R7050	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R6116	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6118	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6119	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R7053	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R6301	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R7054	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6303	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R7055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6304	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R7057	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6305	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R7059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6307	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R7060	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6308	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R7061	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6309	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R7062	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6502	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R7063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6503	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R7065	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D
R6504	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R7066	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6505	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R7067	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7071	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6512	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7073	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6515	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R7074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6516	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7075	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R6517	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7076	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R6518	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R7077	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6520	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R7078	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6521	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7084	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6524	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7086	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6663	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7087	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6664	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7088	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6665	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7093	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6666	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7094	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6667	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7110	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6668	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7120	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R6669	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7121	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6670	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7122	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6672	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7123	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6673	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R7126	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6675	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7128	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6680	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7129	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6682	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7130	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6683	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7131	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6771	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7133	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6772	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7134	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6773	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7135	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6774	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7136	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6775	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7137	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6777	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7138	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6779	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7139	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6780	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7142	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7143	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7144	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7145	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7146	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7007	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R7147	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7148	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7009	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R7149	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7150	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7011	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	R7151	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7012	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7152	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7154	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7155	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7156	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7019	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7157	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7020	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7158	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7021	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7159	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7022	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R7161	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7023	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R7163	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7024	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	R7164	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R7025	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	R7166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7026	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	R7182	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R7027	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7183	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R7028	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7186	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R7029	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R7197	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7030	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7198	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7031	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R7199	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7032	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R9201	NRS016J-100X	MG RESISTOR	10Ω 1W J
R7033	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9202	NRS016J-100X	MG RESISTOR	10Ω 1W J
R7034	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9203	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R7036	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9204	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R7037	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9251	NRSA02J-680X	MG RESISTOR	68Ω 1/10W J
R7038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9252	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R7039	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9253	NRSA63D-243X	MG RESISTOR	24kΩ 1/16W D
R7040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9254	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D
R7043	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9255	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D
R7044	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9256	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R7045	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9401	NRSA02J-680X	MG RESISTOR	68Ω 1/10W J
R7046	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9402	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7047	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R9403	NRSA63D-564X	MG RESISTOR	560kΩ 1/16W D
R7048	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R9404	NRSA63D-154X	MG RESISTOR	150kΩ 1/16W D
R7049	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R9405	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
R9406	NRSA63J-682X	MG RESISTOR	6.8kΩ	1/16W J	K9401	NQR0339-001X	FERRITE BEADS		
R9407	NRSA63J-182X	MG RESISTOR	1.8kΩ	1/16W J	K9402	NQR0339-001X	FERRITE BEADS		
R9408	NRSA63J-183X	MG RESISTOR	18kΩ	1/16W J	K9601	NQR0339-001X	FERRITE BEADS		
R9409	NRSA63J-472X	MG RESISTOR	4.7kΩ	1/16W J	X6661	NAX0932-001X	CRYSTAL	12.288MHz	
R9410	NRSA63J-104X	MG RESISTOR	100kΩ	1/16W J	X7001	NAX1051-001X	CRYSTAL	36.864MHz	
R9501	NRSA63J-472X	MG RESISTOR	4.7kΩ	1/16W J	X7002	NAX0983-001X	CRYSTAL	27.000MHz	
R9502	NRSA63J-104X	MG RESISTOR	100kΩ	1/16W J					
R9601	NRSA02J-680X	MG RESISTOR	68Ω	1/10W J					
R9602	NRSA63J-103X	MG RESISTOR	10kΩ	1/16W J					
R9603	NRSA63D-683X	MG RESISTOR	68kΩ	1/16W D					
R9604	NRSA63D-154X	MG RESISTOR	150kΩ	1/16W D					
R9605	NRSA63D-512X	MG RESISTOR	5.1kΩ	1/16W D					
R9606	NRSA63J-392X	MG RESISTOR	3.9kΩ	1/16W J					
R9607	NRSA63J-182X	MG RESISTOR	1.8kΩ	1/16W J					
R9608	NRSA63J-183X	MG RESISTOR	18kΩ	1/16W J					
R9610	NRSA63J-104X	MG RESISTOR	100kΩ	1/16W J					
R9611	NRSA63J-472X	MG RESISTOR	4.7kΩ	1/16W J					
R9712	NRSA63D-223X	MG RESISTOR	22kΩ	1/16W D					
R9713	NRSA63J-0R0X	MG RESISTOR	0Ω	1/10W J					
R9715	NRSA63J-682X	MG RESISTOR	6.8kΩ	1/16W J					
R9716	NRSA63J-333X	MG RESISTOR	33kΩ	1/16W J					
R9717	NRSA63J-683X	MG RESISTOR	68kΩ	1/16W J					
RA7001	NRZ0034-0R0W	NET RESISTOR	0Ω	1/32W J x4					
RA7002	NRZ0034-0R0W	NET RESISTOR	0Ω	1/32W J x4					
RA7003	NRZ0034-0R0W	NET RESISTOR	0Ω	1/32W J x4					
L6101	NQLF3EM-330X	COIL		33uH M					
L6102	NQLF3EM-330X	COIL		33uH M					
L7001	NQR0339-001X	FERRITE BEADS							
L7002	NQR0339-001X	FERRITE BEADS							
L7003	NQR0339-001X	FERRITE BEADS							
L7004	NQR0339-001X	FERRITE BEADS							
L7005	NQR0339-001X	FERRITE BEADS							
L7006	NQR0339-001X	FERRITE BEADS							
L7007	NQR0339-001X	FERRITE BEADS							
L7008	NQR0339-001X	FERRITE BEADS							
L7009	NQR0339-001X	FERRITE BEADS							
L7010	NQR0339-001X	FERRITE BEADS							
L7011	NQR0339-001X	FERRITE BEADS							
L7012	NQR0339-001X	FERRITE BEADS							
L7013	NQR0339-001X	FERRITE BEADS							
L7014	NQR0339-001X	FERRITE BEADS							
L7015	NQR0339-001X	FERRITE BEADS							
L7016	NQR0339-001X	FERRITE BEADS							
L7017	NQR0339-001X	FERRITE BEADS							
L7018	NQR0339-001X	FERRITE BEADS							
L7019	NQR0339-001X	FERRITE BEADS							
L7020	NQR0339-001X	FERRITE BEADS							
L7021	NQR0339-001X	FERRITE BEADS							
L7022	NQR0339-001X	FERRITE BEADS							
L7023	NQR0339-001X	FERRITE BEADS							
L7024	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J					
L9241	NQLD7EM-150X	COIL		15uH M					
L9251	NQLD7EM-150X	COIL		15uH M					
L9401	NQLD7EM-150X	COIL		15uH M					
L9601	NQLD7EM-150X	COIL		15uH M					
CN001	QGB1231L2-23W	CONNECTOR		B-B (1-23)					
CN002	QGB1231L2-23W	CONNECTOR		B-B (1-23)					
J8101	NNZ0190-001X	HDMI CONNECTOR		DIGITAL IN					
J8102	NNZ0190-001X	HDMI CONNECTOR		DIGITAL IN					
J8103	NNZ0190-001X	HDMI CONNECTOR		DIGITAL IN					
K6101	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J					
K6102	NQR0413-002X	FERRITE BEADS							
K6103	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J					
K6104	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J					
K6105	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J					
K6106	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J					
K6107	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J					
K6108	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J					
K6109	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J					
K6110	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J					
K6111	NQR0339-001X	FERRITE BEADS							
K6112	NQR0339-001X	FERRITE BEADS							
K6113	NQR0339-001X	FERRITE BEADS							
K6114	NQR0339-001X	FERRITE BEADS							
K6661	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J					
K6771	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J					
K7001	NQR0499-002X	FERRITE BEADS							
K9201	NQR0339-001X	FERRITE BEADS							
K9202	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J					
K9203	NQR0339-001X	FERRITE BEADS							
K9204	NQR0339-001X	FERRITE BEADS							
K9205	NQR0339-001X	FERRITE BEADS							
K9231	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J					
K9232	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J					
K9233	NRSA02J-0R0X	MG RESISTOR	0Ω	1/10W J					
K9241	NQR0339-001X	FERRITE BEADS							
K9251	NQR0339-001X	FERRITE BEADS							

PRINTED WIRING BOARD PARTS LIST [LT-32EX19/MAT]

ANALOG P.W. BOARD ASS'Y (SFU-1601A-H2)

REFER TO PARTS LIST IN PAGE 3-6 FOR THIS P.W. BOARD.

SW P.W. BOARD ASS'Y (SFU-7601A-H2)

REFER TO PARTS LIST IN PAGE 3-7 FOR THIS P.W. BOARD.

REMOTE P.W. BOARD ASS'Y (SFU-7602A-H2)

REFER TO PARTS LIST IN PAGE 3-7 FOR THIS P.W. BOARD.

LED P.W. BOARD ASS'Y (SFU-8601A-H2)

REFER TO PARTS LIST IN PAGE 3-7 FOR THIS P.W. BOARD.

POWER P.W. BOARD ASS'Y (SFU-9601A-H2)

REFER TO PARTS LIST IN PAGE 3-7 FOR THIS P.W. BOARD.

DIGITAL P.W. BOARD ASS'Y (SFU0D608A-H2)

△Ref No.	Part No.	Part Name	Description	Local
IC6001	R2A15112FP-X	IC		
IC6002	BH3547F-X	IC		
IC6003	MC4558CD-X	IC		
IC6661	NJU26123VC2-X	IC		
IC6771	AK4384ET-X	IC		
IC7001	R8J66619FP	IC		
IC7002	ATF64-32EX19M	IC	(SERVICE)	
IC7003	25VF080B32EX19A	IC(MICRO C ROM)	(SERVICE)	
IC7004	TC7WH08FU-X	IC		
IC7005	S-80928CLNB-G-W	IC		
IC9201	MM1689AH-X	IC		
IC9231	MM1663DH-X	IC		
IC9251	SI-8015Q-X	IC		
IC9401	SI-8005Q-X	IC		
IC9501	PQ090DNA1Z-X	IC		
IC9601	SI-8005Q-X	IC		
Q6104	2SC1623A/5-6/-X	TRANSISTOR		
Q6105	2SC1623A/5-6/-X	TRANSISTOR		
Q6501	2SA812A/5-6/-X	TRANSISTOR		
Q6503	2SC1623A/5-6/-X	TRANSISTOR		
Q7003	2SA812A/5-6/-X	TRANSISTOR		
Q7004	2SA812A/5-6/-X	TRANSISTOR		
Q7005	2SA812A/5-6/-X	TRANSISTOR		
Q7006	2SA812A/5-6/-X	TRANSISTOR		
Q7007	SSM3K02F-X	MOS FET		
Q7008	2SC1623A/5-6/-X	TRANSISTOR		
Q9702	2SC1623A/5-6/-X	TRANSISTOR		
Q9703	2SC1623A/5-6/-X	TRANSISTOR		
Q9704	2SC1623A/5-6/-X	TRANSISTOR		
Q9705	2SC1623A/5-6/-X	TRANSISTOR		
D6301	RKZ5.1B2KG-X	Z DIODE		
D6501	HSU119-X	SI DIODE		
D6502	HSU119-X	SI DIODE		
D6503	HSU119-X	SI DIODE		
D6504	HSU119-X	SI DIODE		
D6505	HSU119-X	SI DIODE		
D7004	RKZ5.6B2KG-X	Z DIODE		
D7005	RKZ5.6B2KG-X	Z DIODE		
D7006	RKZ5.6B2KG-X	Z DIODE		
D7007	RKZ5.6B2KG-X	Z DIODE		
D7008	RKZ5.6B2KG-X	Z DIODE		
D7009	RKZ5.6B2KG-X	Z DIODE		
D7010	RKZ5.6B2KG-X	Z DIODE		
D7011	RKZ5.6B2KG-X	Z DIODE		
D7012	RKZ5.6B2KG-X	Z DIODE		
D7013	RKZ5.6B2KG-X	Z DIODE		
D7014	RKZ5.6B2KG-X	Z DIODE		
D7015	RKZ5.6B2KG-X	Z DIODE		
D7016	RKZ5.6B2KG-X	Z DIODE		
D7018	RKZ5.6B2KG-X	Z DIODE		
D7019	RKZ5.6B2KG-X	Z DIODE		
D9251	SJPB-L4-X	SB DIODE		

△Ref No.	Part No.	Part Name	Description	Local
D9252	SJPB-L4-X	SB DIODE		
D9401	SJPB-L4-X	SB DIODE		
D9402	SJPB-L4-X	SB DIODE		
D9403	PTZ16B-X	Z DIODE		
D9404	HSU119-X	SI DIODE		
D9601	SJPB-L4-X	SB DIODE		
D9602	SJPB-L4-X	SB DIODE		
D9603	PTZ6.8B-X	Z DIODE		
D9604	HSU119-X	SI DIODE		
D9705	RKZ3.0B2KG-X	Z DIODE		
D9706	MA8024-X	Z DIODE		
C6101	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6102	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6105	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C6106	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C6107	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6109	NEHQ1VM-227X	E CAPACITOR	220uF 35V M	
C6111	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6112	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6113	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6114	NCB31AK-105X	C CAPACITOR	1uF 10V K	
C6116	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6117	NCB21EK-224X	C CAPACITOR	0.22uF 25V K	
C6118	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6119	NCB11AK-106X	C CAPACITOR	10uF 10V K	
C6120	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6122	NCB21EK-224X	C CAPACITOR	0.22uF 25V K	
C6123	NEHQ1VM-227X	E CAPACITOR	220uF 35V M	
C6124	NEHQ1VM-227X	E CAPACITOR	220uF 35V M	
C6125	NEHQ1VM-227X	E CAPACITOR	220uF 35V M	
C6126	NEHQ1VM-227X	E CAPACITOR	220uF 35V M	
C6301	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K	
C6302	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6303	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K	
C6304	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C6305	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C6306	NCB21AK-475X	C CAPACITOR	4.7uF 10V K	
C6307	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
C6308	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
C6309	NCB21AK-475X	C CAPACITOR	4.7uF 10V K	
C6501	NEHL1CM-107X	E CAPACITOR	100uF 16V M	
C6504	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6505	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
C6506	NCB21AK-475X	C CAPACITOR	4.7uF 10V K	
C6507	NEHL1CM-107X	E CAPACITOR	100uF 16V M	
C6508	NCB21AK-475X	C CAPACITOR	4.7uF 10V K	
C6509	NCB21AK-105X	C CAPACITOR	1uF 10V K	
C6510	NEHL0GM-227X	E CAPACITOR	220uF 4V M	
C6511	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
C6512	NEHL0GM-227X	E CAPACITOR	220uF 4V M	
C6513	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6514	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6515	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6516	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6518	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6520	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6662	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6663	NEHL1HM-475X	E CAPACITOR	4.7uF 50V M	
C6664	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C6665	NDC31HJ-100X	C CAPACITOR	10pF 50V J	
C6771	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C6772	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C6773	NEHL1CM-106X	E CAPACITOR	10uF 16V M	
C6774	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7002	NEHL0GM-227X	E CAPACITOR	220uF 4V M	
C7003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7004	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	
C7007	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C7008	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7009	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7010	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7012	NDC31HJ-220X	C CAPACITOR	22pF 50V J	
C7013	NDC31HJ-9R0X	C CAPACITOR	9pF 50V J	
C7014	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7015	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7017	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7018	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7019	NCB20JK-106X	C CAPACITOR	10uF 6.3V K	
C7020	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7021	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C7023	NCB20JK-106X	C CAPACITOR	10uF 6.3V K	
C7024	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C7025	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7152	NCB11AK-106X	C CAPACITOR	10uF 10V K
C7027	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7153	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7028	NEHL0GM-227X	E CAPACITOR	220uF 4V M	C7154	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7030	NCB31CK-105X	C CAPACITOR	1uF 16V K	C7157	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7032	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7158	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
C7033	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7159	NCB31CK-105X	C CAPACITOR	1uF 16V K
C7034	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7160	NCB31CK-105X	C CAPACITOR	1uF 16V K
C7038	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	C7161	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7039	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7162	NCB31CK-105X	C CAPACITOR	1uF 16V K
C7041	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7164	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7043	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7165	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C7044	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7171	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7045	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9201	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7046	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9202	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7047	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9203	NEHM1CM-106X	E CAPACITOR	10uF 16V M
C7048	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C9204	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C7049	NCB20JK-475X	C CAPACITOR	4.7uF 6.3V K	C9205	NEHM1CM-106X	E CAPACITOR	10uF 16V M
C7050	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9206	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C7051	NCB31HK-222X	C CAPACITOR	2200pF 50V K	C9207	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7053	NCB31HK-273X	C CAPACITOR	0.027uF 50V K	C9208	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7054	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C9209	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7055	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9231	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7056	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9232	NEHM1CM-106X	E CAPACITOR	10uF 16V M
C7057	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9233	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C7058	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9234	NDC31HJ-471X	C CAPACITOR	470pF 50V J
C7059	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9235	NEHL1CM-226X	E CAPACITOR	22uF 16V M
C7060	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C9236	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7061	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9237	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7066	NEHL0GM-227X	E CAPACITOR	220uF 4V M	C9241	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C7067	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9242	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C7068	NEHL0GM-227X	E CAPACITOR	220uF 4V M	C9243	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7069	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9251	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C7070	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9252	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C7071	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9253	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7072	NDC31HJ-150X	C CAPACITOR	15pF 50V J	C9254	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7073	NDC31HJ-150X	C CAPACITOR	15pF 50V J	C9255	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C7074	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9256	NCB31HK-332X	C CAPACITOR	3300pF 50V K
C7075	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9258	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7078	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9259	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7079	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9401	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C7080	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9402	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C7081	NENA0JM-476X	BP E CAPACITOR	47uF 6.3V M	C9403	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7082	NENA0JM-476X	BP E CAPACITOR	47uF 6.3V M	C9404	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7083	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9405	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C7084	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9406	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7085	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9408	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7086	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9409	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7088	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9501	NEHL1CM-226X	E CAPACITOR	22uF 16V M
C7090	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9502	NEHL1CM-226X	E CAPACITOR	22uF 16V M
C7092	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9601	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C7093	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9603	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7101	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9604	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7103	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9605	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C7104	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9606	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7105	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9608	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7106	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C9609	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7107	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9712	NEHL1HM-105X	E CAPACITOR	1uF 50V M
C7108	NCB31HK-104X	C CAPACITOR	0.1uF 50V K				
C7109	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R3001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C7110	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R3002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C7111	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C7112	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R3004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C7114	NEHL0GM-227X	E CAPACITOR	220uF 4V M	R6101	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C7118	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6102	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C7119	NEHL0GM-227X	E CAPACITOR	220uF 4V M	R6106	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C7121	NEHL0GM-227X	E CAPACITOR	220uF 4V M	R6109	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C7125	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6111	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
C7126	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6116	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C7127	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6118	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C7129	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6119	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
C7130	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6301	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C7131	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6303	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
C7132	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6304	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C7133	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6305	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C7134	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6307	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
C7135	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6308	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C7136	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6309	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C7137	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6502	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
C7138	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6503	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C7139	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6504	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
C7141	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6505	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
C7142	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C7143	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R6507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C7144	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6512	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C7145	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6515	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7146	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R6516	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C7147	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6517	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C7148	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6518	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7151	NEHL0GM-227X	E CAPACITOR	220uF 4V M	R6520	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R6521	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7084	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6524	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7086	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6663	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7087	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6664	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7088	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6665	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7093	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6666	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7094	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6667	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7110	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6668	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7120	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R6669	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7121	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6670	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7122	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6672	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7123	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6673	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R7126	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6675	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7128	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6680	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7129	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6682	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7130	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6683	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7131	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6771	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7133	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6772	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7134	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6773	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7135	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6774	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7136	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6775	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7137	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6777	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7138	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6779	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7139	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6780	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7142	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7143	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7144	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7145	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7146	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7007	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R7147	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7148	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7009	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R7149	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7150	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7011	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	R7151	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7012	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7152	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7154	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7155	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7156	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7019	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7157	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7020	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7158	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7021	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7159	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7022	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R7161	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7023	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R7163	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7024	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	R7164	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R7025	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	R7166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7026	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	R7182	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R7027	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7183	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R7028	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7186	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R7029	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R7197	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7030	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7198	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7031	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R7199	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7032	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R9201	NRS016J-100X	MG RESISTOR	10Ω 1W J
R7033	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9202	NRS016J-100X	MG RESISTOR	10Ω 1W J
R7034	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9203	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R7036	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9204	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R7037	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9251	NRSA02J-680X	MG RESISTOR	68Ω 1/10W J
R7038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9252	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R7039	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9253	NRSA63D-243X	MG RESISTOR	24kΩ 1/16W D
R7040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9254	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D
R7043	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9255	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D
R7044	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9256	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R7045	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9401	NRSA02J-680X	MG RESISTOR	68Ω 1/10W J
R7046	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9402	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7047	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R9403	NRSA63D-564X	MG RESISTOR	560kΩ 1/16W D
R7048	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R9404	NRSA63D-154X	MG RESISTOR	150kΩ 1/16W D
R7049	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R9405	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D
R7050	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R9406	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R7051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9407	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R7052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9408	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R7053	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R9409	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7054	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R9410	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R7055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7057	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9502	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R7059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9601	NRSA02J-680X	MG RESISTOR	68Ω 1/10W J
R7060	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7061	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9603	NRSA63D-683X	MG RESISTOR	68kΩ 1/16W D
R7062	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9604	NRSA63D-154X	MG RESISTOR	150kΩ 1/16W D
R7063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9605	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D
R7065	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	R9606	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R7066	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9607	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R7067	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9608	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9610	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R7071	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R9611	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7073	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9712	NRSA63D-223X	MG RESISTOR	22kΩ 1/16W D
R7074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9713	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R7075	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R9715	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R7076	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R9716	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R7077	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R9717	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R7078	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA7001	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4

△Ref No.	Part No.	Part Name	Description Local
RA7002	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
RA7003	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4
L6101	NQLF3EM-330X	COIL	33uH M
L6102	NQLF3EM-330X	COIL	33uH M
L7001	NQR0339-001X	FERRITE BEADS	
L7002	NQR0339-001X	FERRITE BEADS	
L7003	NQR0339-001X	FERRITE BEADS	
L7004	NQR0339-001X	FERRITE BEADS	
L7005	NQR0339-001X	FERRITE BEADS	
L7006	NQR0339-001X	FERRITE BEADS	
L7007	NQR0339-001X	FERRITE BEADS	
L7008	NQR0339-001X	FERRITE BEADS	
L7009	NQR0339-001X	FERRITE BEADS	
L7010	NQR0339-001X	FERRITE BEADS	
L7011	NQR0339-001X	FERRITE BEADS	
L7012	NQR0339-001X	FERRITE BEADS	
L7013	NQR0339-001X	FERRITE BEADS	
L7014	NQR0339-001X	FERRITE BEADS	
L7015	NQR0339-001X	FERRITE BEADS	
L7016	NQR0339-001X	FERRITE BEADS	
L7017	NQR0339-001X	FERRITE BEADS	
L7018	NQR0339-001X	FERRITE BEADS	
L7019	NQR0339-001X	FERRITE BEADS	
L7020	NQR0339-001X	FERRITE BEADS	
L7021	NQR0339-001X	FERRITE BEADS	
L7022	NQR0339-001X	FERRITE BEADS	
L7023	NQR0339-001X	FERRITE BEADS	
L7024	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
L9241	NQLD7EM-150X	COIL	15uH M
L9251	NQLD7EM-150X	COIL	15uH M
L9401	NQLD7EM-150X	COIL	15uH M
L9601	NQLD7EM-150X	COIL	15uH M
CN001	QGB1231L2-23W	CONNECTOR	B-B (1-23)
CN002	QGB1231L2-23W	CONNECTOR	B-B (1-23)
J8101	NNZ0190-001X	HDMI CONNECTOR	DIGITAL IN
J8102	NNZ0190-001X	HDMI CONNECTOR	DIGITAL IN
J8103	NNZ0190-001X	HDMI CONNECTOR	DIGITAL IN
K6101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K6102	NQR0413-002X	FERRITE BEADS	
K6103	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K6104	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K6105	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K6106	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K6107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K6108	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K6109	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K6110	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K6111	NQR0339-001X	FERRITE BEADS	
K6112	NQR0339-001X	FERRITE BEADS	
K6113	NQR0339-001X	FERRITE BEADS	
K6114	NQR0339-001X	FERRITE BEADS	
K6661	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K6771	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K7001	NQR0499-002X	FERRITE BEADS	
K9201	NQR0339-001X	FERRITE BEADS	
K9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K9203	NQR0339-001X	FERRITE BEADS	
K9204	NQR0339-001X	FERRITE BEADS	
K9205	NQR0339-001X	FERRITE BEADS	
K9231	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K9232	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K9233	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
K9241	NQR0339-001X	FERRITE BEADS	
K9251	NQR0339-001X	FERRITE BEADS	
K9401	NQR0339-001X	FERRITE BEADS	
K9402	NQR0339-001X	FERRITE BEADS	
K9601	NQR0339-001X	FERRITE BEADS	
X6661	NAX0932-001X	CRYSTAL	12.288MHz
X7001	NAX1051-001X	CRYSTAL	36.864MHz
X7002	NAX0983-001X	CRYSTAL	27.000MHz

PRINTED WIRING BOARD PARTS LIST [LT-32EX19/PAT]

ANALOG P.W. BOARD ASS'Y (SFU-1603A-H2)

△Ref No.	Part No.	Part Name	Description Local
IC1001	R2A11018FP	IC	
IC1002	SN74LV04ANS-X	IC	
Q1001	2SA812A/5-6/-X	TRANSISTOR	
Q1002	2SC1623A/5-6/-X	TRANSISTOR	
Q1003	2SC1623A/5-6/-X	TRANSISTOR	
Q1004	2SC1623A/5-6/-X	TRANSISTOR	
Q1104	UN2226-X	DIGI TRANSISTOR	
Q1105	UN2226-X	DIGI TRANSISTOR	
Q1106	2SA812A/5-6/-X	TRANSISTOR	
D1103	RKZ5.6B2KG-X	Z DIODE	
D1106	RKZ5.6B2KG-X	Z DIODE	
D1109	RKZ5.6B2KG-X	Z DIODE	
D1112	RKZ5.6B2KG-X	Z DIODE	
D1113	RKZ10B2KG-X	Z DIODE	
D1114	RKZ10B2KG-X	Z DIODE	
D1117	RKZ5.6B2KG-X	Z DIODE	
D1118	RKZ10B2KG-X	Z DIODE	
D1119	RKZ10B2KG-X	Z DIODE	
D1122	RKZ5.6B2KG-X	Z DIODE	
D1125	RKZ5.6B2KG-X	Z DIODE	
D1130	RKZ5.6B2KG-X	Z DIODE	
D1133	RKZ10B2KG-X	Z DIODE	
D1134	RKZ10B2KG-X	Z DIODE	
D1135	RKZ10B2KG-X	Z DIODE	
D1137	RKZ10B2KG-X	Z DIODE	
D1138	RKZ5.6B2KG-X	Z DIODE	
D1139	RKZ5.6B2KG-X	Z DIODE	
D1140	RKZ10B2KG-X	Z DIODE	
D1141	RKZ10B2KG-X	Z DIODE	
C1001	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1002	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1003	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C1009	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1010	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C1011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1012	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1013	NCB31HK-821X	C CAPACITOR	820pF 50V K
C1014	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C1015	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C1016	NDC31HJ-180X	C CAPACITOR	18pF 50V J
C1017	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1018	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C1019	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1020	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1021	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C1023	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1024	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1025	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1101	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1102	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1103	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1104	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1105	NCB31CK-105X	C CAPACITOR	1uF 16V K
C1106	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1107	NCB31CK-105X	C CAPACITOR	1uF 16V K
C1108	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1109	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1110	NCB31CK-105X	C CAPACITOR	1uF 16V K
C1111	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1112	NCB31CK-105X	C CAPACITOR	1uF 16V K
C1113	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1128	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1132	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1136	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1137	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1138	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C1139	NCB31CK-105X	C CAPACITOR	1uF 16V K
C1140	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1141	NCB31CK-105X	C CAPACITOR	1uF 16V K
C1142	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1143	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C1144	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C1145	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1146	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1150	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1151	NCB31HK-472X	C CAPACITOR	4700pF 50V K
C1153	NCB31CK-105X	C CAPACITOR	1uF 16V K
C1154	NCB31CK-105X	C CAPACITOR	1uF 16V K
C1155	NCB31HK-391X	C CAPACITOR	390pF 50V K
C1156	NCB31HK-391X	C CAPACITOR	390pF 50V K
C1201	QETN1HM-475Z	E CAPACITOR	4.7uF 50V M

△Ref No.	Part No.	Part Name	Description Local
C1202	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1203	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1204	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1205	QETN1CM-106Z	E CAPACITOR	10uF 16V M
C1206	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1207	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1208	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1209	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1210	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1211	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1212	QETN1HM-105Z	E CAPACITOR	1uF 50V M
C1217	QETN1CM-477Z	E CAPACITOR	470uF 16V M
C1218	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1219	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1220	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C1221	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1222	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C1223	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1224	NCB31AK-474X	C CAPACITOR	0.47uF 10V K
C1225	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1226	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1227	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1228	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1229	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1230	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C1231	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1232	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1233	QETN1CM-476Z	E CAPACITOR	47uF 16V M
C1234	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1237	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C1238	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
R1001	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1002	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1003	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1005	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1006	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1007	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1008	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R1009	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1010	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R1011	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R1012	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1013	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1014	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1015	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R1016	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R1017	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R1101	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1102	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1103	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1104	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1105	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1106	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1107	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1108	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1109	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1110	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1111	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1112	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1113	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1114	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1115	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1116	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1117	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1118	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1119	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1120	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1125	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1126	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1131	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1132	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1136	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1137	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1138	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1139	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R1140	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1142	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1143	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R1145	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R1146	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1147	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1148	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R1149	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R1150	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R1151	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
R1152	NRSA63J-391X	MG RESISTOR	390Ω	1/16W J	Q6104	2SC1623A/5-6/-X	TRANSISTOR		
R1153	NRSA63J-823X	MG RESISTOR	82kΩ	1/16W J	Q6105	2SC1623A/5-6/-X	TRANSISTOR		
R1154	NRSA63J-823X	MG RESISTOR	82kΩ	1/16W J	Q6501	2SA812A/5-6/-X	TRANSISTOR		
R1156	NRSA63J-102X	MG RESISTOR	1kΩ	1/16W J	Q6503	2SC1623A/5-6/-X	TRANSISTOR		
R1157	NRSA63J-104X	MG RESISTOR	100kΩ	1/16W J	Q7003	2SA812A/5-6/-X	TRANSISTOR		
R1160	NRSA63J-222X	MG RESISTOR	2.2kΩ	1/16W J	Q7004	2SA812A/5-6/-X	TRANSISTOR		
R1161	NRSA63J-333X	MG RESISTOR	33kΩ	1/16W J	Q7005	2SA812A/5-6/-X	TRANSISTOR		
R1162	NRSA63J-222X	MG RESISTOR	2.2kΩ	1/16W J	Q7006	2SA812A/5-6/-X	TRANSISTOR		
R1163	NRSA63J-333X	MG RESISTOR	33kΩ	1/16W J	Q7007	SSM3K02F-X	MOS FET		
R1202	NRSA63J-0R0X	MG RESISTOR	0Ω	1/10W J	Q7008	2SC1623A/5-6/-X	TRANSISTOR		
R1205	NRSA63J-0R0X	MG RESISTOR	0Ω	1/10W J	Q9702	2SC1623A/5-6/-X	TRANSISTOR		
R1208	NRSA63J-0R0X	MG RESISTOR	0Ω	1/10W J	Q9703	2SC1623A/5-6/-X	TRANSISTOR		
R1211	NRSA63J-0R0X	MG RESISTOR	0Ω	1/10W J	Q9704	2SC1623A/5-6/-X	TRANSISTOR		
R1213	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J	Q9705	2SC1623A/5-6/-X	TRANSISTOR		
R1214	NRSA63J-101X	MG RESISTOR	100Ω	1/16W J					
R1215	NRSA63J-201X	MG RESISTOR	200Ω	1/16W J	D6301	RKZ5.1B2KG-X	Z DIODE		
R1216	NRSA63J-201X	MG RESISTOR	200Ω	1/16W J	D6501	HSU119-X	SI DIODE		
R1218	NRSA63J-0R0X	MG RESISTOR	0Ω	1/10W J	D6502	HSU119-X	SI DIODE		
					D6503	HSU119-X	SI DIODE		
L1001	QQL244K-4R7Z	PEAKING COIL	4.7uH	K	D6504	HSU119-X	SI DIODE		
L1002	NQR0339-001X	FERRITE BEADS			D6505	HSU119-X	SI DIODE		
L1003	QQL244K-220Z	P COIL	22uH	K	D7004	RKZ5.6B2KG-X	Z DIODE		
L1004	QQL244K-180Z	PEAKING COIL	18uH	K	D7005	RKZ5.6B2KG-X	Z DIODE		
L1005	NQR0339-001X	FERRITE BEADS			D7006	RKZ5.6B2KG-X	Z DIODE		
L1102	QQL244K-100Z	PEAKING COIL	10uH	K	D7007	RKZ5.6B2KG-X	Z DIODE		
L1202	NQL79GM-101X	COIL	100uH	M	D7008	RKZ5.6B2KG-X	Z DIODE		
L1203	NQL79GM-101X	COIL	100uH	M	D7009	RKZ5.6B2KG-X	Z DIODE		
L1204	NQL79GM-101X	COIL	100uH	M	D7010	RKZ5.6B2KG-X	Z DIODE		
CN1001	QGB1231M1-23	CONNECTOR	B-B (1-23)		D7011	RKZ5.6B2KG-X	Z DIODE		
CN1002	QGB1231M1-23	CONNECTOR	B-B (1-23)		D7012	RKZ5.6B2KG-X	Z DIODE		
J1001	QNN0725-004	PIN JACK	VIDEO-1/OUT PUT		D7013	RKZ5.6B2KG-X	Z DIODE		
J1002	QNN0725-002	PIN JACK	VIDEO-1/VIDEO-2		D7014	RKZ5.6B2KG-X	Z DIODE		
J1003	QNZ1012-001	D CONNECTOR	PC IN		D7015	RKZ5.6B2KG-X	Z DIODE		
J1004	QNS0051-001	3.5 JACK	DVI ANALOG AUDIO		D7016	RKZ5.6B2KG-X	Z DIODE		
J1005	QNN0833-001	PIN JACK	PC AUDIO		D7018	RKZ5.6B2KG-X	Z DIODE		
K1101	NQR0389-003X	FERRITE BEADS			D7019	RKZ5.6B2KG-X	Z DIODE		
K1102	NQR0389-003X	FERRITE BEADS			D9251	SJPB-L4-X	SB DIODE		
TU1001	QAU0515-001	TUNER			D9252	SJPB-L4-X	SB DIODE		
					D9401	SJPB-L4-X	SB DIODE		
					D9402	SJPB-L4-X	SB DIODE		
					D9403	PTZ16B-X	Z DIODE		
					D9404	HSU119-X	SI DIODE		
					D9601	SJPB-L4-X	SB DIODE		
					D9602	SJPB-L4-X	SB DIODE		
					D9603	PTZ6.8B-X	Z DIODE		
					D9604	HSU119-X	SI DIODE		
					D9705	RKZ3.0B2KG-X	Z DIODE		
					D9706	MA8024-X	Z DIODE		
					C6101	NCB11AK-106X	C CAPACITOR	10uF 10V K	
					C6102	NCB11AK-106X	C CAPACITOR	10uF 10V K	
					C6105	NCB21AK-105X	C CAPACITOR	1uF 10V K	
					C6106	NCB21AK-105X	C CAPACITOR	1uF 10V K	
					C6107	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
					C6109	NEHQ1VM-227X	E CAPACITOR	220uF 35V M	
					C6111	NCB11AK-106X	C CAPACITOR	10uF 10V K	
					C6112	NCB11AK-106X	C CAPACITOR	10uF 10V K	
					C6113	NCB11AK-106X	C CAPACITOR	10uF 10V K	
					C6114	NCB31AK-105X	C CAPACITOR	1uF 10V K	
					C6116	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
					C6117	NCB21EK-224X	C CAPACITOR	0.22uF 25V K	
					C6118	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
					C6119	NCB11AK-106X	C CAPACITOR	10uF 10V K	
					C6120	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
					C6122	NCB21EK-224X	C CAPACITOR	0.22uF 25V K	
					C6123	NEHQ1VM-227X	E CAPACITOR	220uF 35V M	
					C6124	NEHQ1VM-227X	E CAPACITOR	220uF 35V M	
					C6125	NEHQ1VM-227X	E CAPACITOR	220uF 35V M	
					C6126	NEHQ1VM-227X	E CAPACITOR	220uF 35V M	
					C6301	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K	
					C6302	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
					C6303	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K	
					C6304	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
					C6305	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
					C6306	NCB21AK-475X	C CAPACITOR	4.7uF 10V K	
					C6307	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
					C6308	NCB31HK-473X	C CAPACITOR	0.047uF 50V K	
					C6309	NCB21AK-475X	C CAPACITOR	4.7uF 10V K	
					C6501	NEHL1CM-107X	E CAPACITOR	100uF 16V M	
					C6504	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
					C6505	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
					C6506	NCB21AK-475X	C CAPACITOR	4.7uF 10V K	
					C6507	NEHL1CM-107X	E CAPACITOR	100uF 16V M	
					C6508	NCB21AK-475X	C CAPACITOR	4.7uF 10V K	
					C6509	NCB21AK-105X	C CAPACITOR	1uF 10V K	
					C6510	NEHLOGM-227X	E CAPACITOR	220uF 4V M	
					C6511	NEHL1CM-476X	E CAPACITOR	47uF 16V M	
					C6512	NEHLOGM-227X	E CAPACITOR	220uF 4V M	
					C6513	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
△Ref No.	Part No.	Part Name	Description	Local					
IC6001	R2A15112FP-X	IC							
IC6002	BH3547F-X	IC							
IC6003	MC4558CD-X	IC							
IC6661	NJU26123VC2-X	IC							
IC6771	AK4384ET-X	IC							
IC7001	R8J66619FP	IC							
IC7002	ATF64-32EX19P	IC	(SERVICE)						
IC7003	25VF080B32EX19A	IC(MICRO C ROM)	(SERVICE)						
IC7004	TC7WH08FU-X	IC							
IC7005	S-80928CLNB-G-W	IC							
IC9201	MM1689AH-X	IC							
IC9231	MM1663DH-X	IC							
IC9251	SI-8015Q-X	IC							
IC9401	SI-8005Q-X	IC							
IC9501	PQ090DNA1Z-X	IC							
IC9601	SI-8005Q-X	IC							

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C6514	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7106	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C6515	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7107	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6516	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7108	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6518	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7109	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6520	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7110	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6662	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7111	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6663	NEHL1HM-475X	E CAPACITOR	4.7uF 50V M	C7112	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6664	NDC31HJ-100X	C CAPACITOR	10pF 50V J	C7114	NEHL0GM-227X	E CAPACITOR	220uF 4V M
C6665	NDC31HJ-100X	C CAPACITOR	10pF 50V J	C7118	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6771	NEHL1CM-106X	E CAPACITOR	10uF 16V M	C7119	NEHL0GM-227X	E CAPACITOR	220uF 4V M
C6772	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7121	NEHL0GM-227X	E CAPACITOR	220uF 4V M
C6773	NEHL1CM-106X	E CAPACITOR	10uF 16V M	C7125	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6774	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7126	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7002	NEHL0GM-227X	E CAPACITOR	220uF 4V M	C7127	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7129	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7004	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7130	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C7131	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7007	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C7132	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7008	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7133	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7009	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7134	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7010	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7135	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7136	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7012	NDC31HJ-220X	C CAPACITOR	22pF 50V J	C7137	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7013	NDC31HJ-9R0X	C CAPACITOR	9pF 50V J	C7138	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7014	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7139	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7015	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7141	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7017	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7142	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7018	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7143	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C7019	NCB20JK-106X	C CAPACITOR	10uF 6.3V K	C7144	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7020	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7145	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7021	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7146	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C7022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7147	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7023	NCB20JK-106X	C CAPACITOR	10uF 6.3V K	C7148	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7024	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7151	NEHL0GM-227X	E CAPACITOR	220uF 4V M
C7025	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7152	NCB11AK-106X	C CAPACITOR	10uF 10V K
C7027	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7153	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7028	NEHL0GM-227X	E CAPACITOR	220uF 4V M	C7154	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7030	NCB31CK-105X	C CAPACITOR	1uF 16V K	C7157	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7032	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7158	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
C7033	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7159	NCB31CK-105X	C CAPACITOR	1uF 16V K
C7034	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7160	NCB31CK-105X	C CAPACITOR	1uF 16V K
C7038	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M	C7161	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7039	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7162	NCB31CK-105X	C CAPACITOR	1uF 16V K
C7041	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7164	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7043	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7165	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C7044	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7171	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7045	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9201	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7046	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9202	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7047	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9203	NEHM1CM-106X	E CAPACITOR	10uF 16V M
C7048	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C9204	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C7049	NCB20JK-475X	C CAPACITOR	4.7uF 6.3V K	C9205	NEHM1CM-106X	E CAPACITOR	10uF 16V M
C7050	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9206	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C7051	NCB31HK-222X	C CAPACITOR	2200pF 50V K	C9207	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7053	NCB31HK-273X	C CAPACITOR	0.027uF 50V K	C9208	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7054	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C9209	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7055	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9231	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7056	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9232	NEHM1CM-106X	E CAPACITOR	10uF 16V M
C7057	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9233	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C7058	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9234	NDC31HJ-471X	C CAPACITOR	470pF 50V J
C7059	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9235	NEHL1CM-226X	E CAPACITOR	22uF 16V M
C7060	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C9236	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7061	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9237	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7066	NEHL0GM-227X	E CAPACITOR	220uF 4V M	C9241	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C7067	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9242	NEHL0JM-107X	E CAPACITOR	100uF 6.3V M
C7068	NEHL0GM-227X	E CAPACITOR	220uF 4V M	C9243	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7069	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9251	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C7070	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9252	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C7071	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9253	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7072	NDC31HJ-150X	C CAPACITOR	15pF 50V J	C9254	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7073	NDC31HJ-150X	C CAPACITOR	15pF 50V J	C9255	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C7074	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9256	NCB31HK-332X	C CAPACITOR	3300pF 50V K
C7075	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9258	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7078	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9259	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7079	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9401	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C7080	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9402	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C7081	NENA0JM-476X	BP E CAPACITOR	47uF 6.3V M	C9403	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7082	NENA0JM-476X	BP E CAPACITOR	47uF 6.3V M	C9404	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7083	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9405	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C7084	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9406	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7085	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9408	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7086	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9409	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7088	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9501	NEHL1CM-226X	E CAPACITOR	22uF 16V M
C7090	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9502	NEHL1CM-226X	E CAPACITOR	22uF 16V M
C7092	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9601	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C7093	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9603	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7101	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9604	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7103	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9605	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C7104	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9606	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7105	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9608	NCB31HK-103X	C CAPACITOR	0.01uF 50V K

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C9609	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R7037	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C9712	NEHL1HM-105X	E CAPACITOR	1uF 50V M	R7038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R3001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7039	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R3002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7043	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R3004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7044	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6101	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7045	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6102	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	R7046	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6106	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R7047	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R6109	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7048	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R6111	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R7049	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R6116	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7050	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R6118	NRSA63J-102X	MG RESISTOR	1kΩ 1/10W J	R7051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6119	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R7052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6301	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R7053	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J
R6303	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R7054	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R6304	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R7055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6305	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R7057	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6307	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	R7059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6308	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R7060	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6309	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J	R7061	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6502	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R7062	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6503	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	R7063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6504	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J	R7065	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D
R6505	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	R7066	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7067	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6512	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7071	NRSA63J-102X	MG RESISTOR	1kΩ 1/10W J
R6515	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R7073	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6516	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6517	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7075	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R6518	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	R7076	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J
R6520	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R7077	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6521	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7078	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6524	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7084	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6663	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7086	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6664	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7087	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6665	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7088	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6666	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7093	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6667	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7094	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6668	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7110	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6669	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7120	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R6670	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7121	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6672	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7122	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6673	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R7123	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6675	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7126	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6680	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7128	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6682	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7129	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6683	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7130	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6771	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7131	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6772	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7133	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6773	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7134	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6774	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7135	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6775	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7136	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6777	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7137	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6779	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7138	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6780	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7139	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7142	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7143	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7144	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7145	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7007	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R7146	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7147	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7009	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R7148	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7149	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7011	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	R7150	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7012	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7151	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7152	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7154	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7155	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7019	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7156	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7020	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7157	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7021	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7158	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7022	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R7159	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7023	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R7161	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7024	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	R7163	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7025	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	R7164	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R7026	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	R7166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7027	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7182	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R7028	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7183	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R7029	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R7186	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R7030	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7197	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7031	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R7198	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7032	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R7199	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7033	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9201	NRS016J-100X	MG RESISTOR	10Ω 1W J
R7034	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9202	NRS016J-100X	MG RESISTOR	10Ω 1W J
R7036	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9203	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
				R9204	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R9251	NRSA02J-680X	MG RESISTOR	68Ω 1/10W J	K7001	NQR0499-002X	FERRITE BEADS	
R9252	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	K9201	NQR0339-001X	FERRITE BEADS	
R9253	NRSA63D-243X	MG RESISTOR	24kΩ 1/16W D	K9202	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9254	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D	K9203	NQR0339-001X	FERRITE BEADS	
R9255	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D	K9204	NQR0339-001X	FERRITE BEADS	
R9256	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	K9205	NQR0339-001X	FERRITE BEADS	
R9401	NRSA02J-680X	MG RESISTOR	68Ω 1/10W J	K9231	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9402	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	K9232	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9403	NRSA63D-564X	MG RESISTOR	560kΩ 1/16W D	K9233	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
R9404	NRSA63D-154X	MG RESISTOR	150kΩ 1/16W D	K9241	NQR0339-001X	FERRITE BEADS	
R9405	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D	K9251	NQR0339-001X	FERRITE BEADS	
R9406	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	K9401	NQR0339-001X	FERRITE BEADS	
R9407	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	K9402	NQR0339-001X	FERRITE BEADS	
R9408	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J	K9601	NQR0339-001X	FERRITE BEADS	
R9409	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	X6661	NAX0932-001X	CRYSTAL	12.288MHz
R9410	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	X7001	NAX1051-001X	CRYSTAL	36.864MHz
R9501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	X7002	NAX0983-001X	CRYSTAL	27.000MHz
R9502	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J				
R9601	NRSA02J-680X	MG RESISTOR	68Ω 1/10W J				
R9602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J				
R9603	NRSA63D-683X	MG RESISTOR	68kΩ 1/16W D				
R9604	NRSA63D-154X	MG RESISTOR	150kΩ 1/16W D				
R9605	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D				
R9606	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J				
R9607	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J				
R9608	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J				
R9610	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J				
R9611	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J				
R9712	NRSA63D-223X	MG RESISTOR	22kΩ 1/16W D				
R9713	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J				
R9715	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J				
R9716	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J				
R9717	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J				
RA7001	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4				
RA7002	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4				
RA7003	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4				
L6101	NQLF3EM-330X	COIL	33uH M				
L6102	NQLF3EM-330X	COIL	33uH M				
L7001	NQR0339-001X	FERRITE BEADS					
L7002	NQR0339-001X	FERRITE BEADS					
L7003	NQR0339-001X	FERRITE BEADS					
L7004	NQR0339-001X	FERRITE BEADS					
L7005	NQR0339-001X	FERRITE BEADS					
L7006	NQR0339-001X	FERRITE BEADS					
L7007	NQR0339-001X	FERRITE BEADS					
L7008	NQR0339-001X	FERRITE BEADS					
L7009	NQR0339-001X	FERRITE BEADS					
L7010	NQR0339-001X	FERRITE BEADS					
L7011	NQR0339-001X	FERRITE BEADS					
L7012	NQR0339-001X	FERRITE BEADS					
L7013	NQR0339-001X	FERRITE BEADS					
L7014	NQR0339-001X	FERRITE BEADS					
L7015	NQR0339-001X	FERRITE BEADS					
L7016	NQR0339-001X	FERRITE BEADS					
L7017	NQR0339-001X	FERRITE BEADS					
L7018	NQR0339-001X	FERRITE BEADS					
L7019	NQR0339-001X	FERRITE BEADS					
L7020	NQR0339-001X	FERRITE BEADS					
L7021	NQR0339-001X	FERRITE BEADS					
L7022	NQR0339-001X	FERRITE BEADS					
L7023	NQR0339-001X	FERRITE BEADS					
L7024	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
L9241	NQLD7EM-150X	COIL	15uH M				
L9251	NQLD7EM-150X	COIL	15uH M				
L9401	NQLD7EM-150X	COIL	15uH M				
L9601	NQLD7EM-150X	COIL	15uH M				
CN001	QGB1231L2-23W	CONNECTOR	B-B (1-23)				
CN002	QGB1231L2-23W	CONNECTOR	B-B (1-23)				
J8101	NNZ0190-001X	HDMI CONNECTOR	DIGITAL IN				
J8102	NNZ0190-001X	HDMI CONNECTOR	DIGITAL IN				
J8103	NNZ0190-001X	HDMI CONNECTOR	DIGITAL IN				
K6101	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
K6102	NQR0413-002X	FERRITE BEADS					
K6103	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
K6104	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
K6105	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
K6106	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
K6107	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
K6108	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
K6109	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
K6110	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
K6111	NQR0339-001X	FERRITE BEADS					
K6112	NQR0339-001X	FERRITE BEADS					
K6113	NQR0339-001X	FERRITE BEADS					
K6114	NQR0339-001X	FERRITE BEADS					
K6661	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				
K6771	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J				

PRINTED WIRING BOARD PARTS LIST [LT-32EX19/SAT]

ANALOG P.W. BOARD ASS'Y (SFU-1601A-H2)

REFER TO PARTS LIST IN PAGE 3-6 FOR THIS P.W. BOARD.

SW P.W. BOARD ASS'Y (SFU-7601A-H2)

REFER TO PARTS LIST IN PAGE 3-7 FOR THIS P.W. BOARD.

REMOTE P.W. BOARD ASS'Y (SFU-7602A-H2)

REFER TO PARTS LIST IN PAGE 3-7 FOR THIS P.W. BOARD.

LED P.W. BOARD ASS'Y (SFU-8601A-H2)

REFER TO PARTS LIST IN PAGE 3-7 FOR THIS P.W. BOARD.

POWER P.W. BOARD ASS'Y (SFU-9601A-H2)

REFER TO PARTS LIST IN PAGE 3-7 FOR THIS P.W. BOARD.

DIGITAL P.W. BOARD ASS'Y (SFU0D610A-H2)

△Ref No.	Part No.	Part Name	Description Local
IC6001	R2A15112FP-X	IC	
IC6002	BH3547F-X	IC	
IC6003	MC4558CD-X	IC	
IC6661	NJU26123VC2-X	IC	
IC6771	AK4384ET-X	IC	
IC7001	R8J66619FP	IC	
IC7002	ATF64-32EX19S	IC	(SERVICE)
IC7003	25VF080B32EX19A	IC(MICRO C ROM)	(SERVICE)
IC7004	TC7WH08FU-X	IC	
IC7005	S-80928CLNB-G-W	IC	
IC9201	MM1689AH-X	IC	
IC9231	MM1663DH-X	IC	
IC9251	SI-8015Q-X	IC	
IC9401	SI-8005Q-X	IC	
IC9501	PQ090DNA1Z-X	IC	
IC9601	SI-8005Q-X	IC	
Q6104	2SC1623A/5-6/-X	TRANSISTOR	
Q6105	2SC1623A/5-6/-X	TRANSISTOR	
Q6501	2SA812A/5-6/-X	TRANSISTOR	
Q6503	2SC1623A/5-6/-X	TRANSISTOR	
Q7003	2SA812A/5-6/-X	TRANSISTOR	
Q7004	2SA812A/5-6/-X	TRANSISTOR	
Q7005	2SA812A/5-6/-X	TRANSISTOR	
Q7006	2SA812A/5-6/-X	TRANSISTOR	
Q7007	SSM3K02F-X	MOS FET	
Q7008	2SC1623A/5-6/-X	TRANSISTOR	
Q9702	2SC1623A/5-6/-X	TRANSISTOR	
Q9703	2SC1623A/5-6/-X	TRANSISTOR	
Q9704	2SC1623A/5-6/-X	TRANSISTOR	
Q9705	2SC1623A/5-6/-X	TRANSISTOR	
D6301	RKZ5.1B2KG-X	Z DIODE	
D6501	HSU119-X	SI DIODE	
D6502	HSU119-X	SI DIODE	
D6503	HSU119-X	SI DIODE	
D6504	HSU119-X	SI DIODE	
D6505	HSU119-X	SI DIODE	
D7004	RKZ5.6B2KG-X	Z DIODE	
D7005	RKZ5.6B2KG-X	Z DIODE	
D7006	RKZ5.6B2KG-X	Z DIODE	
D7007	RKZ5.6B2KG-X	Z DIODE	
D7008	RKZ5.6B2KG-X	Z DIODE	
D7009	RKZ5.6B2KG-X	Z DIODE	
D7010	RKZ5.6B2KG-X	Z DIODE	
D7011	RKZ5.6B2KG-X	Z DIODE	
D7012	RKZ5.6B2KG-X	Z DIODE	
D7013	RKZ5.6B2KG-X	Z DIODE	
D7014	RKZ5.6B2KG-X	Z DIODE	
D7015	RKZ5.6B2KG-X	Z DIODE	
D7016	RKZ5.6B2KG-X	Z DIODE	
D7018	RKZ5.6B2KG-X	Z DIODE	
D7019	RKZ5.6B2KG-X	Z DIODE	
D9251	SJPB-L4-X	SB DIODE	

△Ref No.	Part No.	Part Name	Description Local
D9252	SJPB-L4-X	SB DIODE	
D9401	SJPB-L4-X	SB DIODE	
D9402	SJPB-L4-X	SB DIODE	
D9403	PTZ16B-X	Z DIODE	
D9404	HSU119-X	SI DIODE	
D9601	SJPB-L4-X	SB DIODE	
D9602	SJPB-L4-X	SB DIODE	
D9603	PTZ6.8B-X	Z DIODE	
D9604	HSU119-X	SI DIODE	
D9705	RKZ3.0B2KG-X	Z DIODE	
D9706	MA8024-X	Z DIODE	
C6101	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6102	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6105	NCB21AK-105X	C CAPACITOR	1uF 10V K
C6106	NCB21AK-105X	C CAPACITOR	1uF 10V K
C6107	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6109	NEHQ1VM-227X	E CAPACITOR	220uF 35V M
C6111	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6112	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6113	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6114	NCB31AK-105X	C CAPACITOR	1uF 10V K
C6116	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6117	NCB21EK-224X	C CAPACITOR	0.22uF 25V K
C6118	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6119	NCB11AK-106X	C CAPACITOR	10uF 10V K
C6120	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6122	NCB21EK-224X	C CAPACITOR	0.22uF 25V K
C6123	NEHQ1VM-227X	E CAPACITOR	220uF 35V M
C6124	NEHQ1VM-227X	E CAPACITOR	220uF 35V M
C6125	NEHQ1VM-227X	E CAPACITOR	220uF 35V M
C6126	NEHQ1VM-227X	E CAPACITOR	220uF 35V M
C6301	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K
C6302	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6303	NCJ21CK-106X-D	C CAPACITOR	10uF 16V K
C6304	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C6305	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
C6306	NCB21AK-475X	C CAPACITOR	4.7uF 10V K
C6307	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C6308	NCB31HK-473X	C CAPACITOR	0.047uF 50V K
C6309	NCB21AK-475X	C CAPACITOR	4.7uF 10V K
C6501	NEHL1CM-107X	E CAPACITOR	100uF 16V M
C6504	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C6505	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C6506	NCB21AK-475X	C CAPACITOR	4.7uF 10V K
C6507	NEHL1CM-107X	E CAPACITOR	100uF 16V M
C6508	NCB21AK-475X	C CAPACITOR	4.7uF 10V K
C6509	NCB21AK-105X	C CAPACITOR	1uF 10V K
C6510	NEHL0GM-227X	E CAPACITOR	220uF 4V M
C6511	NEHL1CM-476X	E CAPACITOR	47uF 16V M
C6512	NEHL0GM-227X	E CAPACITOR	220uF 4V M
C6513	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6514	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6515	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6516	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6518	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6520	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6662	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6663	NEHL1HM-475X	E CAPACITOR	4.7uF 50V M
C6664	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C6665	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C6771	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C6772	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C6773	NEHL1CM-106X	E CAPACITOR	10uF 16V M
C6774	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7002	NEHL0GM-227X	E CAPACITOR	220uF 4V M
C7003	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7004	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7006	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7007	NCB31HK-102X	C CAPACITOR	1000pF 50V K
C7008	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7009	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7010	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7011	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7012	NDC31HJ-220X	C CAPACITOR	22pF 50V J
C7013	NDC31HJ-9R0X	C CAPACITOR	9pF 50V J
C7014	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7015	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7017	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7018	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7019	NCB20JK-106X	C CAPACITOR	10uF 6.3V K
C7020	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7021	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7022	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7023	NCB20JK-106X	C CAPACITOR	10uF 6.3V K
C7024	NCB31HK-104X	C CAPACITOR	0.1uF 50V K

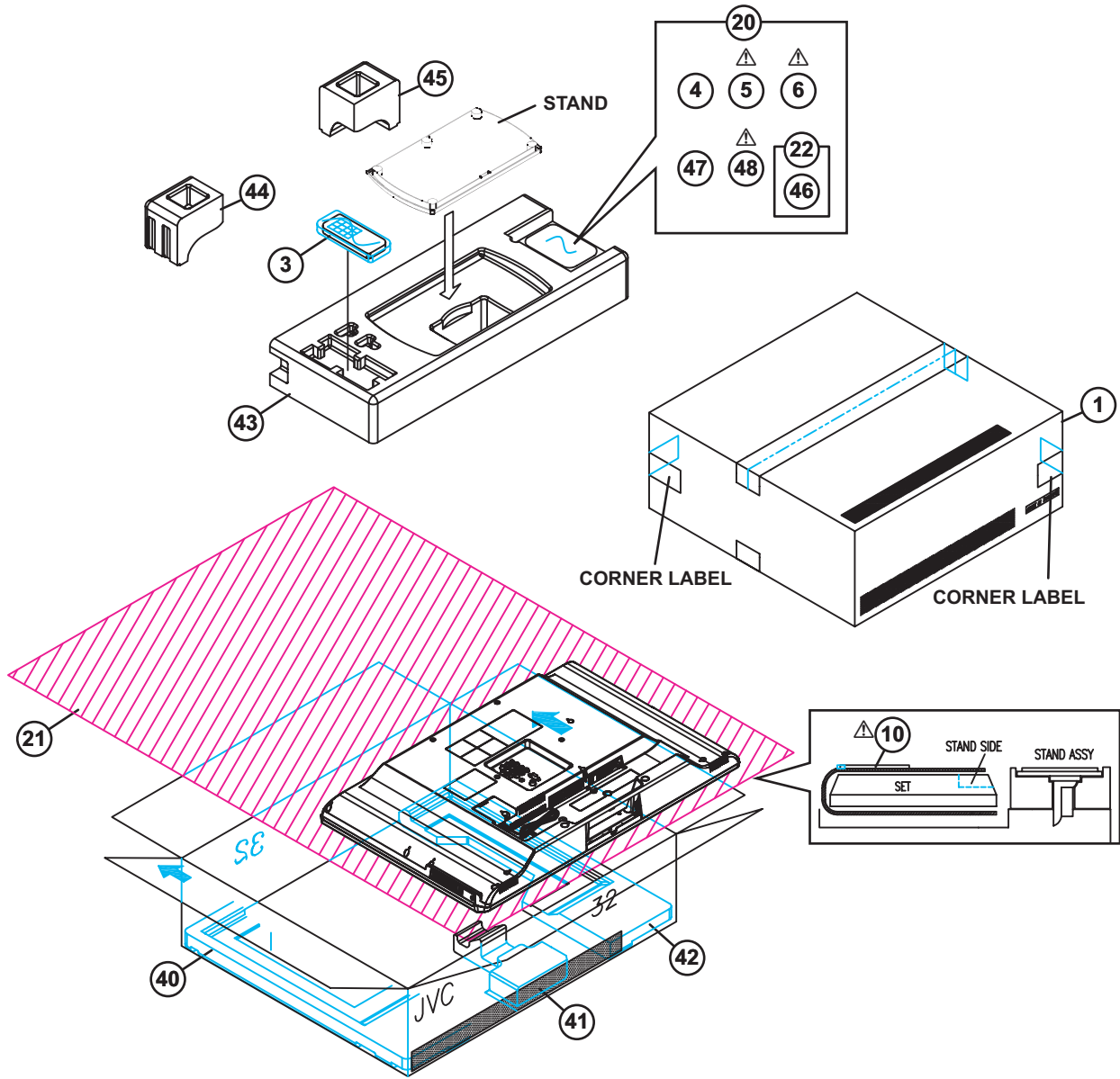
△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C7025	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7152	NCB11AK-106X	C CAPACITOR	10uF 10V K
C7027	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7153	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7028	NEHLOGM-227X	E CAPACITOR	220uF 4V M	C7154	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7030	NCB31CK-105X	C CAPACITOR	1uF 16V K	C7157	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7032	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7158	NCB10JK-106X	C CAPACITOR	10uF 6.3V K
C7033	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7159	NCB31CK-105X	C CAPACITOR	1uF 16V K
C7034	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7160	NCB31CK-105X	C CAPACITOR	1uF 16V K
C7038	NEHLOGM-107X	E CAPACITOR	100uF 6.3V M	C7161	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7039	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7162	NCB31CK-105X	C CAPACITOR	1uF 16V K
C7041	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7164	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7043	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7165	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C7044	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C7171	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7045	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9201	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7046	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9202	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7047	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9203	NEHM1CM-106X	E CAPACITOR	10uF 16V M
C7048	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C9204	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C7049	NCB20JK-475X	C CAPACITOR	4.7uF 6.3V K	C9205	NEHM1CM-106X	E CAPACITOR	10uF 16V M
C7050	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9206	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C7051	NCB31HK-222X	C CAPACITOR	2200pF 50V K	C9207	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7053	NCB31HK-273X	C CAPACITOR	0.027uF 50V K	C9208	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7054	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C9209	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7055	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9231	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7056	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9232	NEHM1CM-106X	E CAPACITOR	10uF 16V M
C7057	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9233	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C7058	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9234	NDC31HJ-471X	C CAPACITOR	470pF 50V J
C7059	NCB31HK-103X	C CAPACITOR	0.01uF 50V K	C9235	NEHL1CM-226X	E CAPACITOR	22uF 16V M
C7060	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C9236	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7061	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9237	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7066	NEHLOGM-227X	E CAPACITOR	220uF 4V M	C9241	NEHLOGM-107X	E CAPACITOR	100uF 6.3V M
C7067	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9242	NEHLOGM-107X	E CAPACITOR	100uF 6.3V M
C7068	NEHLOGM-227X	E CAPACITOR	220uF 4V M	C9243	NCB31AK-105X	C CAPACITOR	1uF 10V K
C7069	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9251	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C7070	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9252	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C7071	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9253	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7072	NDC31HJ-150X	C CAPACITOR	15pF 50V J	C9254	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7073	NDC31HJ-150X	C CAPACITOR	15pF 50V J	C9255	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C7074	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9256	NCB31HK-332X	C CAPACITOR	3300pF 50V K
C7075	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9258	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7078	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9259	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7079	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9401	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C7080	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9402	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C7081	NENAOJM-476X	BP E CAPACITOR	47uF 6.3V M	C9403	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7082	NENAOJM-476X	BP E CAPACITOR	47uF 6.3V M	C9404	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7083	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9405	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C7084	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9406	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7085	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9408	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7086	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9409	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7088	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9501	NEHL1CM-226X	E CAPACITOR	22uF 16V M
C7090	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9502	NEHL1CM-226X	E CAPACITOR	22uF 16V M
C7092	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9601	NCJ41HK-335X-U	C CAPACITOR	3.3uF 50V K
C7093	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9603	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7101	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9604	NCJ41EK-106X-U	C CAPACITOR	10mF 25V K
C7103	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9605	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C7104	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9606	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7105	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9608	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C7106	NCB31HK-102X	C CAPACITOR	1000pF 50V K	C9609	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7107	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	C9712	NEHL1HM-105X	E CAPACITOR	1uF 50V M
C7108	NCB31HK-104X	C CAPACITOR	0.1uF 50V K				
C7109	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R3001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C7110	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R3002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C7111	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R3003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C7112	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R3004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C7114	NEHLOGM-227X	E CAPACITOR	220uF 4V M	R6101	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C7118	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6102	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
C7119	NEHLOGM-227X	E CAPACITOR	220uF 4V M	R6106	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
C7121	NEHLOGM-227X	E CAPACITOR	220uF 4V M	R6109	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C7125	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6111	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
C7126	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6116	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C7127	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6118	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C7129	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6119	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
C7130	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6301	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
C7131	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6303	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
C7132	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6304	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C7133	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6305	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C7134	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6307	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
C7135	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6308	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C7136	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6309	NRSA63J-151X	MG RESISTOR	150Ω 1/16W J
C7137	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6502	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
C7138	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6503	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
C7139	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6504	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
C7141	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6505	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
C7142	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6506	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C7143	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R6507	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
C7144	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6512	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
C7145	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6515	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7146	NCB31HK-102X	C CAPACITOR	1000pF 50V K	R6516	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C7147	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6517	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
C7148	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	R6518	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
C7151	NEHLOGM-227X	E CAPACITOR	220uF 4V M	R6520	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R6521	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7084	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6524	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	R7086	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6663	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7087	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6664	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7088	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6665	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7093	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6666	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7094	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6667	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7110	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R6668	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7120	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R6669	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7121	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6670	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7122	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6672	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7123	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6673	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R7126	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6675	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7128	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6680	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7129	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R6682	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7130	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6683	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	R7131	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R6771	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7133	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6772	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7134	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6773	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7135	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6774	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7136	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R6775	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7137	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6777	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7138	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6779	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7139	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R6780	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7142	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7143	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7144	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7005	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7145	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7006	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7146	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7007	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	R7147	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7008	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R7148	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7009	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R7149	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7010	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7150	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7011	NRSA63J-561X	MG RESISTOR	560Ω 1/16W J	R7151	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7012	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7152	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7013	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7153	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7014	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7154	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R7015	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7155	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7016	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7156	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7019	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7157	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7020	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R7158	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7021	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7159	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7022	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R7161	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7023	NRSA63J-223X	MG RESISTOR	22kΩ 1/16W J	R7163	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R7024	NRSA63D-392X	MG RESISTOR	3.9kΩ 1/16W D	R7164	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R7025	NRSA63D-302X	MG RESISTOR	3kΩ 1/16W D	R7166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7026	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	R7182	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R7027	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7183	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R7028	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7186	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R7029	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	R7197	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7030	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R7198	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7031	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J	R7199	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7032	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	R9201	NRS016J-100X	MG RESISTOR	10Ω 1W J
R7033	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9202	NRS016J-100X	MG RESISTOR	10Ω 1W J
R7034	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9203	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R7036	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9204	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R7037	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9251	NRSA02J-680X	MG RESISTOR	68Ω 1/10W J
R7038	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9252	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R7039	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9253	NRSA63D-243X	MG RESISTOR	24kΩ 1/16W D
R7040	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9254	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D
R7043	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9255	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D
R7044	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9256	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R7045	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9401	NRSA02J-680X	MG RESISTOR	68Ω 1/10W J
R7046	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	R9402	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7047	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R9403	NRSA63D-564X	MG RESISTOR	560kΩ 1/16W D
R7048	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	R9404	NRSA63D-154X	MG RESISTOR	150kΩ 1/16W D
R7049	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R9405	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D
R7050	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J	R9406	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R7051	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9407	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R7052	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9408	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R7053	NRSA63J-154X	MG RESISTOR	150kΩ 1/16W J	R9409	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7054	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J	R9410	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R7055	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9501	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7057	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9502	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R7059	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9601	NRSA02J-680X	MG RESISTOR	68Ω 1/10W J
R7060	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9602	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R7061	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9603	NRSA63D-683X	MG RESISTOR	68kΩ 1/16W D
R7062	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9604	NRSA63D-154X	MG RESISTOR	150kΩ 1/16W D
R7063	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9605	NRSA63D-512X	MG RESISTOR	5.1kΩ 1/16W D
R7065	NRSA63D-682X	MG RESISTOR	6.8kΩ 1/16W D	R9606	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R7066	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9607	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J
R7067	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9608	NRSA63J-183X	MG RESISTOR	18kΩ 1/16W J
R7069	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9610	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R7071	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R9611	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R7073	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	R9712	NRSA63D-223X	MG RESISTOR	22kΩ 1/16W D
R7074	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J	R9713	NRSA63J-0R0X	MG RESISTOR	0Ω 1/10W J
R7075	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R9715	NRSA63J-682X	MG RESISTOR	6.8kΩ 1/16W J
R7076	NRSA63J-153X	MG RESISTOR	15kΩ 1/16W J	R9716	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R7077	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	R9717	NRSA63J-683X	MG RESISTOR	68kΩ 1/16W J
R7078	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	RA7001	NRZ0034-0R0W	NET RESISTOR	0Ω 1/32W J x4

Ref.No.	Part No.	Part Name	Description	Local
	10030-0040700	BATTERY COVER		

Ref.No.	Part No.	Part Name	Description	Local
	10030-0040700	BATTERY COVER		

PACKING



PACKING PARTS LIST

△	Ref.No.	Part No.	Part Name	Description	Local
	1	GG10410-031B-H	PACKING CASE		
	3	RM-C2020-1C	REMOTE CONTROL UNIT		
	4	-----	BATTERY	AAA/R03(x2)	
△	5	GGT0303-001A-H	INST BOOK	English	LT-32EX19AT,LT-32EX19SAT
△	5	GGT0308-001A-H	INST BOOK	English/Russia/Portuguage/Spanish	LT-32EX19MAT
△	5	GGT0306-001A-H	INST BOOK	English	LT-32EX19PAT
△	6	GGT0304-001A-H	INST BOOK	Chinese/French/Russian/Arabic/Persian	LT-32EX19AT,LT-32EX19SAT
△	10	GGT0229-001A-H	INST SHEET	English/Russian/Ukrianian/Thai/Chinese/Arabic/Persian/Spanish/French	
	20	GG30096-001B-H	POLY BAG		
	21	GG30225-001A-H	FOAM SHEET		
	22	QPA00500705	POLY BAG	5cm x 7cm	
	40	GG10559-002B-H	CUSHION B.LEFT		
	41	GG20278-001A-H	SUPPORT CUSHION		
	42	GG10559-003B-H	CUSHION B.RIGHT		
	43	GG10559-006B-H	CUSHION T.FRONT		
	44	GG10559-004B-H	CUSHION T.LEFT		
	45	GG10559-005B-H	CUSHION T.RIGHT		
	46	QYSPSPD5008MA	SCREW	For STAND(x4)	
	47	QAM0921-001	ATTACHED PLUG		LT-32EX19MAT
△	48	QAM0112-002	CONVERSION PLUG		LT-32EX19MAT



REVISION INFORMATION

LCD COLOUR TELEVISION

LT-32EX19/AT, LT-32EX19/BT, LT-32EX19/BBT,
LT-32EX19/EBT, LT-32EX19/MAT, LT-32EX19/MBT,
LT-32EX19/NBSK, LT-32EX19/PAT, LT-32EX19/PBT,
LT-32EX19/RBCK, LT-32EX19/SAT, LT-32EX19/ST,
LT-32EX19/VBSK, LT-32EX29/NBSK

■ OVERVIEW

Due to additional destination, the following model is added.

<Additional model>
[LT-32EX19/RBCK](#)

■ DETAILS

COVER SECTION

Title	Line	No.YA702<Rev.004>	No.YA702<Rev.005>	Description
Revision		Rev. 004	Rev. 005	
Model No.		LT-32EX19/AT, LT-32EX19/BBT, LT-32EX19/BT, LT-32EX19/EBT, LT-32EX19/MAT, LT-32EX19/MBT, LT-32EX19/NBSK, LT-32EX19/PAT, LT-32EX19/PBT, LT-32EX19/SAT, LT-32EX19/ST, LT-32EX19/VBSK, LT-32EX29/NBSK	LT-32EX19/AT, LT-32EX19/BBT, LT-32EX19/BT, LT-32EX19/EBT, LT-32EX19/MAT, LT-32EX19/MBT, LT-32EX19/NBSK, LT-32EX19/PAT, LT-32EX19/PBT, LT-32EX19/RBCK , LT-32EX19/SAT, LT-32EX19/ST, LT-32EX19/VBSK, LT-32EX29/NBSK	Additional model LT-32EX19/RBCK
0 COVER	3	No.YA702: LT-32EX19 No.YA703: LT-32BX19	No.YA702: LT-32EX19 No.YA703: LT-32BX19 No.YA704: LT-42EX19	
	4	No. YA704: LT-42EX19 No. YA708: LT-42Z49	No. YA708: LT-42Z49 No. YA709: LT-32Z49	

Title	Line	No.YA702<Rev.004>	No.YA702<Rev.005>	Description
SPECIFICATION	98	-	LT-32EX19/RBCK	
	99	-	Items Contents	
	100	-	Dimensions (W × H × D) 79.1 cm × 57.17 cm × 23.05 cm [with stand] 79.1 cm × 52.05 cm × 10.39 cm [without stand]	
	101	-	Mass 12.5 kg [with stand] 11.5 kg [without stand]	
	102	-	Power Input AC110V - AC240 V, 50 Hz / 60 Hz	
	103	-	Power Consumption 131 W (Standby:1.8 W)	
	104	-	TV RF System M, N	
	105	-	Colour System NTSC / PAL-M / PAL-N	
	106	-	Stereo System MTS (Multi-channel Television Sound)	
	107	-	Teletext System CLOSED CAPTION	
	108	-	Receiving Frequency VHF Low VHF High UHF CATV 46.25 MHz - 140.25 MHz 147.25 MHz - 423.25 MHz 431.25 MHz - 863.25 MHz Mid (X - Z+2, S1 - S10) / Super (S11 - S20) / Hyper (S21 - S41) bands	
	109	-	Intermediate Frequency VIF SIF 38.0 MHz 33.5 MHz (4.5 MHz)	
	110	-	Colour Sub Carrier PAL SECAM NTSC 4.43 MHz 4.40625 MHz / 4.25 MHz 3.58 MHz / 4.43 MHz	
	111	-	LCD panel 32V-inch wide aspect (16 : 9)	
	112	-	Screen Size Diagonal : 80.0 cm (H: 69.7 cm × V:39.2 cm)	
	113	-	Display Pixels Horizontal : 1366 dots × Vertical : 768 dots (W-XGA)	
	114	-	Audio Power Output 6 W + 6 W	

Title	Line	No.YA702<Rev.004>	No.YA702<Rev.005>	Description
	115	-	Speaker 4.0 cm × 16.0 cm, oval type × 2	
	116	-	Aerial terminal (VHF/UHF) 75 Ω unbalanced, coaxial	
	117	-	Video / Audio Input-1/2 Component Video 750p / 1125i 625p / 525p / 625i / 525i RCA pin jack × 3 Y : 1V (p-p) (Sync signal: ±0.35V(p-p), 3-value sync.), 75 Ω / Pb/Pr : ±0.35V(p-p), 75 Ω Y : 1V (p-p), Positive (Negative sync provided), 75 Ω / Pb/Pr : 0.7V(p-p), 75 Ω	
	118	-	Video 1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 2	
	119	-	Audio 500mV (rms), High impedance, RCA pin jack × 4	
	120	-	PC (RGB) Input Video D-sub 15 pin × 1 R/G/B : 0.7 V (p-p), 75Ω HD / VD : 1 V (p-p) to 5 V (p-p), high impedance < Available signal > VGA : 640 pixels × 480 pixels (Horizontal : 31.5 kHz / Vertical : 60 Hz) XGA : 1024 pixels × 768 pixels (Horizontal : 48.4 kHz / Vertical : 60 Hz)	
	121	-	Audio 3.5 mm stereo mini jack × 1	
	122	-	HDMI Input Video HDMI connector × 3(Digital-input terminal is not compatible with picture signals of computer signal)	
	123	-	Audio Digital: HDMI connector × 3 Analog: 500mV(rms) (-4dBs), high impedance, RCA pin jack × 2 [HDMI-1]	
	124	-	Video / Audio Output Video 1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 1	
	125	-	Audio 500mV (rms), Low impedance, RCA pin jack × 2	
	126	-	Headphone 3.5 mm stereo mini jack × 1	
	127	-	Remote Control Unit RM-C2020 (AAA/R6 dry cell battery × 2)	

Title	Line	No.YA702<Rev.004>	No.YA702<Rev.005>	Description
	129	-	Design & specifications are subject to change without notice.	

SECTION 2 SPECIFIC SERVICE INSTRUCTIONS

Title	Line	No.YA702<Rev.004>	No.YA702<Rev.005>	Description
2.2 MAIN DIFFERENCE LIST	2	Item	Item	
		LT-32EX19/AT	LT-32EX19/AT	
		LT-32EX19/MAT	LT-32EX19/BBT	
		LT-32EX19/PAT	LT-32EX19/EBT	
		LT-32EX19/SAT	LT-32EX19/MAT	
			LT-32EX19/NBSK	
	3	Paint Color	Paint Color	
		Glossy Black	Glossy Black	
		Glossy Black	Glossy Black	
		Glossy Black	Glossy Black	
		Glossy Black	Glossy Black	
			Glossy Black	
			Glossy Black	
	4	Power Input	Power Input	
		AC110V - AC240V	AC110V - AC240V	
		AC110V - AC240V	AC110V - AC240V	
		AC110V - AC240V	AC220V - AC240V	
		AC110V - AC240V	AC110V - AC240V	
			AC220V - AC240V	
	5	Choke Coil	Choke Coil	
		NO	NO	
		NO	NO	
		NO	YES	
		NO	NO	
			YES	
	6	Plug Type	Plug Type	
		Round pin type	Round pin type	
		Round pin type	Round pin type (TISI Plug)	
		Flat 2pin	Round pin type	
		UK 3PIN type	Round pin type	
			Round pin type	
	7	OSD Language	OSD Language	
		Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal	Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal	
		Eng, Chi, Spa, Por, Rus	Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal	
		Eng, Chi, Spa, Por, Rus	Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal	
		Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal	Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal	
			Eng, Chi, Spa, Por, Rus	
			Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal	
	8	Stereo System	Stereo System	
		A2/NICAM	A2/NICAM	
		A2/NICAM (Area-1)	A2/NICAM	
		MTS (Area-2)	A2/NICAM	
		MTS	A2/NICAM (Area-1)	
		A2/NICAM	MTS (Area-2)	
			A2/NICAM	

Title	Line	No.YA702<Rev.004>	No.YA702<Rev.005>	Description
	9	Teletext TELETEXT TELETEXT (Area-1) CLOSED CAPTION (Area-2) CLOSED CAPTION TELETEXT	Teletext TELETEXT TELETEXT TELETEXT TELETEXT (Area-1) CLOSED CAPTION (Area-2) TELETEXT	
	10	LCD Panel Unit QLD0566-001 QLD0566-001 QLD0566-001 QLD0566-001	LCD Panel Unit QLD0566-001 QLD0620-001 QLD0620-001 QLD0566-001 QLD0620-001	
	11	DIGITAL PWB SFU0D601A-H2 SFU0D608A-H2 SFU0D609A-H2 SFU0D610A-H2	DIGITAL PWB SFU0D601A-H2 SFU0D604A-H8 SFU0D604A-H2 SFU0D608A-H2 SFU0D613A-H2	
	12	POWER PWB SFU-9601A-H2 SFU-9601A-H2 SFU-9601A-H2 SFU-9601A-H2	POWER PWB SFU-9601A-H2 SFU-9607A-H8 SFU-9608A-H2 SFU-9601A-H2 SFU-9608A-H2	
	13	LED PB PWB SFU-8601A-H2 SFU-8601A-H2 SFU-8601A-H2 SFU-8601A-H2	LED PB PWB SFU-8601A-H2 SFU-8601A-H8 SFU-8601A-H2 SFU-8601A-H2 SFU-8603A-H2	
	14	SW PWB SFU-7601A-H2 SFU-7601A-H2 SFU-7601A-H2 SFU-7601A-H2	SW PWB SFU-7601A-H2 SFU-7601A-H8 SFU-7601A-H2 SFU-7601A-H2 SFU-7604A-H2	
	15	REMOTE PWB SFU-7602A-H2 SFU-7602A-H2 SFU-7602A-H2 SFU-7602A-H2	REMOTE PWB SFU-7602A-H2 SFU-7602A-H8 SFU-7602A-H2 SFU-7602A-H2 SFU-7605A-H2	
	16	ANALOG PWB SFU-1601A-H2 SFU-1601A-H2 SFU-1603A-H2 SFU-1601A-H2	ANALOG PWB SFU-1601A-H2 SFU-1601A-H8 SFU-1601A-H2 SFU-1601A-H2 SFU-1604A-H6	
	19	Item LT-32EX19/BBT LT-32EX19/EBT LT-32EX19/NBSK LT-32EX19/NBSK LT-32EX19/VBSK	Item LT-32EX19/PAT LT-32EX19/RBCK LT-32EX19/SAT LT-32EX19/VBSK LT-32EX29/NBSK	

Title	Line	No.YA702<Rev.004>	No.YA702<Rev.005>	Description
	20	Power Input Glossy Black Glossy Black Glossy Black Silver Glossy Black	Power Input Glossy Black Glossy Black Glossy Black Glossy Black Silver	
	21	Power Input AC110V - AC240V AC220V - AC240V AC220V - AC240V AC220V - AC240V AC110V - AC240V	Power Input AC110V - AC240V AC110V - AC240V AC110V - AC240V AC110V - AC240V AC220V - AC240V	
	22	Choke Coil NO YES YES YES NO	Choke Coil NO NO NO NO YES	
	23	Plug Type Round pin type (TISI Plug) Round pin type Round pin type Round pin type Round pin type	Plug Type Flat pin type Argentina pin type UK pin type Round pin type Round pin type	
	24	OSD Language Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal	OSD Language Eng, Chi, Spa, Por, Rus Eng, Chi, Spa, Por, Rus Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal Eng, Chi, Rus, Ara, Fre, Thai, Viet, Ukr, Spa, Mal	
	25	Stereo System A2/NICAM A2/NICAM A2/NICAM A2/NICAM A2/NICAM	Stereo System MTS MTS A2/NICAM A2/NICAM A2/NICAM	
	26	Teletext TELETEXT TELETEXT TELETEXT TELETEXT TELETEXT	Teletext CLOSED CAPTION CLOSED CAPTION TELETEXT TELETEXT TELETEXT	
	27	LCD PANEL UNIT QLD0620-001 QLD0620-001 QLD0620-001 QLD0620-001 QLD0620-001	LCD PANEL UNIT QLD0566-001 QLD0620-001 QLD0566-001 QLD0620-001 QLD0620-001	
	28	DIGITAL PWB SFU0D604A-H8 SFU0D604A-H2 SFU0D613A-H2 SFU0D613A-H2 SFU0D612A-H2	DIGITAL PWB SFU0D609A-H2 SFU0D623A-CK SFU0D610A-H2 SFU0D612A-H2 SFU0D613A-H2	

Title	Line	No.YA702<Rev.004>	No.YA702<Rev.005>	Description
	29	POWER PWB SFU-9607A-H8 SFU-9608A-H2 SFU-9608A-H2 SFU-9608A-H2 SFU-9607A-H2	POWER PWB SFU-9601A-H2 SFU-9605A-CK SFU-9601A-H2 SFU-9607A-H2 SFU-9608A-H2	
	30	LED PWB SFU-8601A-H8 SFU-8601A-H2 SFU-8603A-H2 SFU-8603A-H2 SFU-8601A-H2	LED PWB SFU-8601A-H2 SFU-8604A-CK SFU-8601A-H2 SFU-8601A-H2 SFU-8603A-H2	
	31	SW PWB SFU-7601A-H8 SFU-7601A-H2 SFU-7604A-H2 SFU-7604A-H2 SFU-7601A-H2	SW PWB SFU-7601A-H2 SFU-7607A-CK SFU-7601A-H2 SFU-7601A-H2 SFU-7604A-H2	
	32	REMOTE PWB SFU-7602A-H8 SFU-7602A-H2 SFU-7605A-H2 SFU-7605A-H2 SFU-7602A-H2	REMOTE PWB SFU-7602A-H2 SFU-7608A-CK SFU-7602A-H2 SFU-7602A-H2 SFU-7605A-H2	
	33	ANALOG PWB SFU-1601A-H8 SFU-1601A-H2 SFU-1604A-H6 SFU-1604A-H6 SFU-1601A-H2	ANALOG PWB SFU-1603A-H2 SFU-1605A-CK SFU-1601A-H2 SFU-1601A-H2 SFU-1604A-H6	

SECTION 3 DISASSEMBLY

Title	Line	No.YA702<Rev.004>	No.YA702<Rev.005>	Description
3.5.2 MEMORY IC REPLACEMENT PROCEDURE	35	Other models LT-32EX19/MAT LT-32EX19/MBT LT-32EX19/PAT LT-32EX19/PBT LT-32EX19/SAT LT-32EX19/GBT	Other models LT-32EX19/MAT LT-32EX19/MBT LT-32EX19/PAT LT-32EX19/PBT LT-32EX19/SAT LT-32EX19/GBT LT-32EX19/RBCK	
	36	1.For Saudi Arabia No No No Yes	1.For Saudi Arabia No No No Yes No	
	37	2.Area Menu Off On Off Off	2.Area Menu Off On Off Off Off	

Title	Line	No.YA702<Rev.004>	No.YA702<Rev.005>	Description
	38	3.Area 1 1 2 1	3.Area 1 1 2 1 2	
	39	4.For Argentina No No No No	4.For Argentina No No No No Yes	
	40	5.For Philipines No No Yes No	5.For Philipines No No Yes No No	
	41	6.Language Number 10 5 5 10	6.Language Number 10 5 5 10 5	
	42	7.HDMI 3 3 3 3	7.HDMI 3 3 3 3 3 3	
	43	8.Clear SD RV RV RV RV	8.Clear SD RV RV RV RV RV RV	
3.5.5 SETTINGS OF FACTORY SHIPMENT [LT-32EX19/PAT, LT-32EX19/PBT, LT-32EX19/RBCK]	T	3.5.5 SETTINGS OF FACTORY SHIPMENT [LT-32EX19/PAT, LT-32EX19/PBT]	3.5.5 SETTINGS OF FACTORY SHIPMENT [LT-32EX19/PAT, LT-32EX19/PBT, LT-32EX19/RBCK]	
3.5.7 VSM PRESET SETTING VALUES [LT-32EX19/BT, LT-32EX19/BBT, LT-32EX19/EBT, LT-32EX19/NBSK, LT-32EX19/MBT, LT-32EX19/PBT, LT-32EX19/SBT, LT-32EX19/VBSK, LT-32EX29/NBSK]	T	3.5.7 VSM PRESET SETTING VALUES [LT-32EX19/BT, LT-32EX19/BBT, LT-32EX19/EBT, LT-32EX19/NBSK, LT-32EX19/MBT, LT-32EX19/PBT, LT-32EX19/SBT, LT-32EX19/VBSK, LT-32EX29/NBSK]	3.5.7 VSM PRESET SETTING VALUES [LT-32EX19/BT, LT-32EX19/BBT, LT-32EX19/EBT, LT-32EX19/NBSK, LT-32EX19/MBT, LT-32EX19/PBT, LT-32EX19/SBT, LT-32EX19/VBSK, LT-32EX29/NBSK]	

SECTION 4 ADJUSTMENT

Title	Line	No.YA702<Rev.004>	No.YA702<Rev.005>	Description
4.5.2 ADJUSTMENT MODE [LT-32EX19/BT, LT-32EX19/BBT, LT-32EX19/EBT, LT-32EX19/NBSK, LT-32EX19/MBT, LT-32EX19/PBT, LT-32EX19/EBT, LT-32EX19/NBSK, LT-32EX19/MBT, LT-32EX19/PBT, LT-32EX19/RBCK, LT-32EX19/GBT, LT-32EX19/VBSK, LT-32EX29/NBSK]	T	4.5.2 ADJUSTMENT MODE [LT-32EX19/BT, LT-32EX19/BBT, LT-32EX19/EBT, LT-32EX19/NBSK, LT-32EX19/MBT, LT-32EX19/PBT, LT-32EX19/GBT, LT-32EX19/VBSK, LT-32EX29/NBSK]	4.5.2 ADJUSTMENT MODE [LT-32EX19/BT, LT-32EX19/BBT, LT-32EX19/EBT, LT-32EX19/NBSK, LT-32EX19/MBT, LT-32EX19/PBT, LT-32EX19/RBCK , LT-32EX19/GBT, LT-32EX19/VBSK, LT-32EX29/NBSK]	

STANDARD SCHEMATIC DIAGRAMS

Schematic Diagram

Diagram Name	No.YA702<Rev.004>	No.YA702<Rev.005>	Description
Menu	ANALOG PWB[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT]	ANALOG PWB[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT, LT-32EX19/RBCK]	Additional model LT-32EX19/RBCK
Menu	DIGITAL PWB(1/3)[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT]	DIGITAL PWB(1/3)[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT, LT-32EX19/RBCK]	Additional model LT-32EX19/RBCK
Menu	DIGITAL PWB(2/3)[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT]	DIGITAL PWB(2/3)[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT, LT-32EX19/RBCK]	Additional model LT-32EX19/RBCK
Menu	DIGITAL PWB(3/3)[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT]	DIGITAL PWB(3/3)[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT, LT-32EX19/RBCK]	Additional model LT-32EX19/RBCK
Menu	POWER PWB[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT]	POWER PWB[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT, LT-32EX19/RBCK]	Additional model LT-32EX19/RBCK
Menu	SW PWB[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT]	SW PWB[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT, LT-32EX19/RBCK]	Additional model LT-32EX19/RBCK
Menu	LED PWB[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT]	LED PWB[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT, LT-32EX19/RBCK]	Additional model LT-32EX19/RBCK
Menu	REMOTE PWB[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT]	REMOTE PWB[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT, LT-32EX19/RBCK]	Additional model LT-32EX19/RBCK

Printed Circuit Board

Diagram Name	No.YA702<Rev.004>	No.YA702<Rev.005>	Description
Menu	ANALOG PWB PATTERN[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT]	ANALOG PWB PATTERN[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT,LT-32EX19/RBCK]	Additional model LT-32EX19/RBCK
Menu	DIGITAL PWB PATTERN[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT]	DIGITAL PWB PATTERN[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT,LT-32EX19/RBCK]	Additional model LT-32EX19/RBCK
Menu	POWER PWB PATTERN[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT]	POWER PWB PATTERN[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT,LT-32EX19/RBCK]	Additional model LT-32EX19/RBCK
Menu	SW PWB PATTERN[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT]	SW PWB PATTERN[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT,LT-32EX19/RBCK]	Additional model LT-32EX19/RBCK
Menu	LED PWB PATTERN[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT]	LED PWB PATTERN[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT,LT-32EX19/RBCK]	Additional model LT-32EX19/RBCK
Menu	REMOTE PWB PATTERN[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT]	REMOTE PWB PATTERN[LT-32EX19/BT,LT-32EX19/MBT,LT-32EX19/PBT,LT-32EX19/GBT,LT-32EX19/VBSK,LT-32EX19/BBT,LT-32EX19/EBT,LT-32EX19/RBCK]	Additional model LT-32EX19/RBCK

Exploded View

Diagram Name	No.YA702<Rev.004>	No.YA702<Rev.005>	Description
Menu		USING P.W. BOARD	Additional model LT-32EX19/RBCK
Menu	EXPLODED VIEW(LT-32EX19/BT, LT-32EX19/MBT, LT-32EX19/PBT, LT-32EX19/GBT, LT-32EX19/VBSK, LT-32EX19/BBT, LT-32EX19/EBT)	EXPLODED VIEW(LT-32EX19/BT, LT-32EX19/MBT, LT-32EX19/PBT, LT-32EX19/GBT, LT-32EX19/VBSK, LT-32EX19/BBT, LT-32EX19/EBT,LT-32EX19/RBCK)	Additional model LT-32EX19/RBCK
Menu	PACKING(LT-32EX19/BT, LT-32EX19/MBT, LT-32EX19/PBT, LT-32EX19/GBT, LT-32EX19/VBSK, LT-32EX19/BBT, LT-32EX19/EBT)	PACKING(LT-32EX19/BT, LT-32EX19/MBT, LT-32EX19/PBT, LT-32EX19/GBT, LT-32EX19/VBSK, LT-32EX19/BBT, LT-32EX19/EBT,LT-32EX19/RBCK)	Additional model LT-32EX19/RBCK

PARTS LIST

MODEL No. LIST

Model No.	No.YA702<Rev.005>
LT-32EX19/AT	0101
LT-32EX19/BBT	0201
LT-32EX19/BT	0202
LT-32EX19/EBT	0203
LT-32EX19/MAT	0102
LT-32EX19/MBT	0204
LT-32EX19/NBSK	0301
LT-32EX19/PAT	0103
LT-32EX19/PBT	0205
LT-32EX19/RBCK	0206
LT-32EX19/SAT	0104
LT-32EX19/ST	0207
LT-32EX19/VBSK	0208
LT-32EX29/NBSK	0302

EXPLODED VIEW PARTS LIST [02M1]

△	Symbol	or	Part No.		Part Name	Description	Qty	Models
			<Rev.004>	<Rev.005>				
△	02M1	3	-----	QLD0620-001-AUD	LCD PANEL UNIT	(Addition)	1	0206
△	02M1	7	-----	QMPRC50-165-Q1	POWER CORD	(Addition)	1	0206
△	02M1	200	-----	SFU-9605A-CK	POWER PWB	(Addition)	1	0206
△	02M1	201	-----	SFU-1605A-CK	ANALOG PWB	(Addition)	1	0206
△	02M1	202	-----	SFU0D623A-CK	DIGITAL PWB	(Addition)	1	0206
△	02M1	203	-----	SFU-7607A-CK	SW PWB	(Addition)	1	0206
△	02M1	204	-----	SFU-8604A-CK	LED PWB	(Addition)	1	0206
△	02M1	208	-----	SFU-7608A-CK	REMOTE PWB	(Addition)	1	0206

PACKING PARTS LIST [02M4]

△	Symbol	or	Part No.		Part Name	Description	Qty	Models
			<Rev.004>	<Rev.005>				
	02M4	1	-----	GG10359-013A-D	PACKING CASE	(Addition)	1	0206
	02M4	2	-----	GG10609-001A-D	CUSHION ASSY	(Addition)	1	0206
△	02M4	5	-----	GGT0314-001A-D	INST BOOK	(Addition)	1	0206
	02M4	20	-----	GG30123-001A-D	POLY BAG	(Addition)	1	0206
	02M4	21	-----	GG30124-004A-D	POLY BAG	(Addition)	1	0206
	02M4	22	-----	GG30124-009A-D	POLY BAG	(Addition)	1	0206
	02M4	41	-----	GG20277-001A-H	SUPPORT CUSHION	(Addition)	1	0206

DIGITAL P.W. BOARD ASS'Y [020D]

△	Symbol	or	Part No.		Part Name	Description	Qty	Models
			<Rev.004>	<Rev.005>				
	020D	IC7002	-----	ATF64-32EX19RB	IC	(Addition)	1	0206



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