

SHARP SERVICE MANUAL

No. S72M754T-C70DK1XT



LED BACKLIGHT TV

MODEL :4T-C70DK1X

(Taiwan)

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Parts Guide

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SAFETY PRECAUTION

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IMPORTANT SERVICE SAFETY PRECAUTION

■ Service work should be performed only by qualified service technicians who are thoroughly familiar with all safety checks and the servicing guidelines which follow:

WARNING

1. For continued safety, no modification of any circuit should be attempted.
2. Disconnect AC power before servicing.

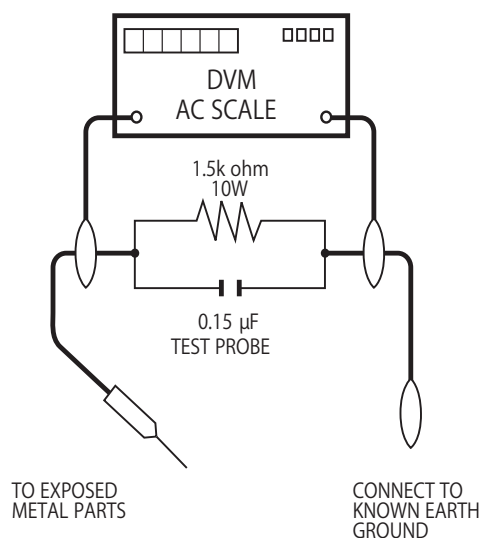
BEFORE RETURNING THE RECEIVER (Fire & Shock Hazard)

Before returning the receiver to the user, perform the following safety checks:

3. Inspect all lead dress to make certain that leads are not pinched, and check that hardware is not lodged between the chassis and other metal parts in the receiver.
4. Inspect all protective devices such as non-metallic control knobs, insulation materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacitor networks, mechanical insulators, etc.
5. To be sure that no shock hazard exists, check for leakage current in the following manner.
 - Plug the AC cord directly into a 110-240 volt AC outlet.
 - Using two clip leads, connect a 1.5k ohm, 10 watt resistor paralleled by a 0.15 F capacitor in series with all exposed metal cabinet parts and a known earth ground, such as electrical conduit or electrical ground connected to an earth ground.
 - Use an AC voltmeter having with 5000 ohm per volt, or higher, sensitivity or measure the AC voltage drop across the resistor.
 - Connect the resistor connection to all exposed metal parts having a return to the chassis (antenna, metal cabinet, screw heads, knobs and control shafts, escutcheon, etc.) and measure the AC voltage drop across the resistor.

All checks must be repeated with the AC cord plug connection reversed. (If necessary, a nonpolarized adaptor plug must be used only for the purpose of completing these checks.)

Any reading of 0.74 Vrms (this corresponds to 0.5 mA rms AC.) or more is excessive and indicates a potential shock hazard which must be corrected before returning the monitor to the owner.



SAFETY NOTICE

Many electrical and mechanical parts in LCD colour television have special safety-related characteristics.

These characteristics are often not evident from visual inspection, nor can protection afforded by them be necessarily increased by using replacement components rated for higher voltage, wattage, etc.

Replacement parts which have these special safety characteristics are identified in this manual; electrical components having such features are identified by $\triangle$ " and shaded areas in the Replacement Parts List and Schematic Diagrams.

For continued protection, replacement parts must be identical to those used in the original circuit.

The use of a substitute replacement parts which do not have the same safety characteristics as the factory recommended replacement parts shown in this service manual, may create shock, fire or other hazards.

PRECAUTIONS FOR USING LEAD-FREE SOLDER

Employing lead-free solder

- “PWBs” of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:

LF a

Sn-Ag-Cu

Indicates lead-free solder of tin, silver and copper.

LF a/a

Sn-Ag-Cu

Indicates lead-free solder of tin, silver and copper.

Using lead-free wire solder

- When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40°C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

Soldering

- As the melting point of lead-free solder (Sn-Ag-Cu) is about 220°C which is higher than the conventional lead solder by 40°C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corroded. Make sure to turn on and off the power of the bit as required.

If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use.

When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

- Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

PARTS CODE	PRICE RANK	PART DELIVERY	DESCRIPTION
ZHNDai123250E	BL	J	0.3mm 250g (1roll)
ZHNDai126500E	BK	J	0.6mm 500g (1roll)
ZHNDai12801KE	BM	J	1.0mm 1kg (1roll)

CHAPTER 1. OUTLINE**[1] MAJOR SERVICES PARTS****OUTLINE****MAJOR SERVICE PARTS****4T-C70DK1X**

PRINTED WIRING BOARD ASSEMBLIES			
N	DKEYMH219FM02	MAIN UNIT (T)	
N	RUNTKB731WJQZ2	KEY UNIT	
N	DUNTKH135FMA2	LED IR UNIT	
N	DUNTK0334WMB4	T CON	
N	RUNTKC009WJN1	WIFI UNIT	
N	RUNTKB823WJZZ	LED BAR	
N	RUNTKB856WJN1	POWER UNIT	

4T-C70DK1X

LCD PANEL MODULE UNIT			
N	KSETLA764WJ20	N-KIT MODULE	
N	R1JE695R3HB9FK	OPEN CELL PANEL	
N	CLCDA679WE07	PANEL ASSY	

CHAPTER 2. SPECIFICATION

[1] SPECIFICATION

Specifications

Item		Model	4T-C70DK1X
LCD panel			177 cm
Resolution			8,294,400 pixels (3840 × 2160)
Video colour system			PAL/SECAM/NTSC 3.58/ NTSC 4.43/ PAL 60
TV function	TV-standard	Analogue	PAL: B/G, D/K, I SECAM: B/G, D/K, K/K1 NTSC: M
		Digital	DVB-T / DVB-T2 / ISDB-T
	Receiving channel	VHF/UHF	44.25—863.25 MHz
		CATV	S1—S41 ch (including Hyperband)
	TV-tuning system		Auto Preset
	STEREO/BILINGUAL		NICAM: B/G, I, D/K A2 stereo: B/G MTS: M
Audio amplifier			10 W × 2
Terminals	ANT (Antenna input)		UHF/VHF 75 Ω DIN type
	SERVICE ONLY		φ 3.5 mm jack
	HDMI 1 (eARC/ARC)		HDMI (HDMI input), eARC/ARC
	HDMI 2		HDMI (HDMI input)
	HDMI 3		HDMI (HDMI input)
	HDMI 4		HDMI (HDMI input)
	AV IN	AUDIO in, VIDEO in	φ 3.5 mini jack
	USB 1		USB (DC5V 1.5A output)
	USB 2		USB (DC5V 1.5A output)
	LAN (10/100 BASE-T)		Network connector
	DIGITAL AUDIO OUTPUT		Optical S/PDIF digital audio output
	OUTPUT		Headphone (φ 3.5 mm stereo)
OSD language			English/Simplified Chinese/ Traditional Chinese/ Arabic/French/Poturguese/ Russian/Thai/Vietnamese/Indonesia/Malay
			English (Philippines only)
Power requirement			AC 110 - 240V, 50/60 Hz
Power consumption			215 W (0.6 w Standby)
Dimensions	without stand		1564 (W) × 904 (H) × 77 (D) mm
	with stand		1564 (W) × 983 (H) × 335 (D) mm
Weight without stand (with stand)			23.5 kg (24.0 kg)
Operating temperature			0°C to +40°C

- As a part of policy of continuous improvement, SHARP reserves the right to make design and specification changes for product improvement without prior notice. The performance specification figures indicated are nominal values of production units. There may be some deviations from these values in individual units.
- Specification may differ depending on the selected country.

CAUTION

- Installing the Liquid Crystal Television requires special skill that should only be performed by qualified service personnel. Customers should not attempt to do the work themselves. SHARP bears no responsibility for improper mounting or mounting that results in accident or injury.
- Carefully read the instructions that come with the bracket before beginning work.

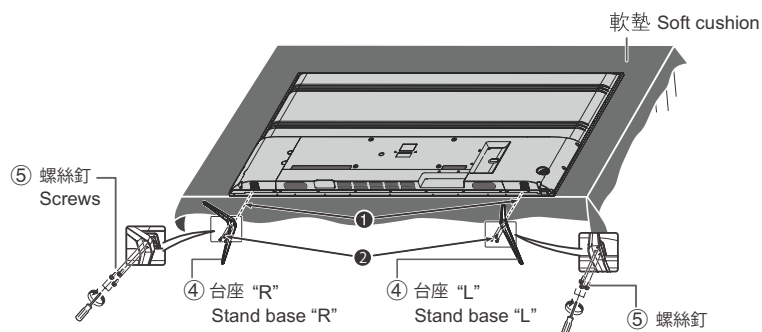
CHAPTER 3. OPERATION MANUAL

[1] OPERATION MANUAL

連接台座單位 Attaching the stand

1. 組裝時請在一張穩定、平坦、寬大且有軟墊的桌子上進行。
Assemble on a soft cushion on a stable, flat and wide table.
2. 與兩個或更多人一起工作。
抬起時請勿抓住顯示器的角。
Work with two or more people.
Do not grab the corners of the Monitor when lifting.
3. 安裝完成前請勿取下保護墊。
Do not remove the protective pad until the installation is completed.

■ 4T-C70DL1X / 4T-C70DK1X



步驟 ❶ 將支架配插入顯示器底部的開口中。

Step ❶ Insert the stand assembly into the openings on the bottom of the Monitor.

步驟 ❷ 將螺絲釘插入顯示器後部的孔內並擰緊。

Step ❷ Insert and tighten the screws into the holes on the bottom / rear of the Monitor.

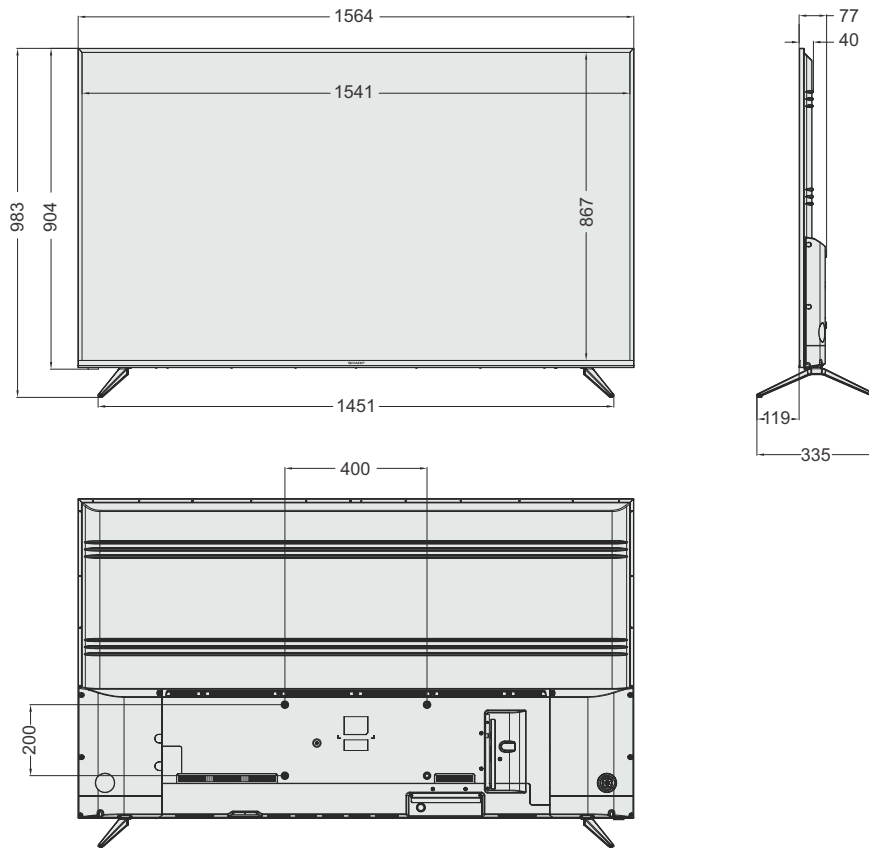
CHAPTER 4. DIMENSION

[1] DIMENSION

Dimensional Drawing (Continued)

4T-C70DK1X

Unit : mm



CHAPTER 5. ADJUSTMENT

[1] ADJUSTMENT

[1] ADJUSTMENT PROCEDURE

1. Entering and cancel the adjustment process mode

- 1) Plug in the AC cord to turn on the power. Press the tools button at R/C.
- 2) At TV option, select advanced option and press special code "8678", it will enter to factory service menu.
- 3) To exit, just press << button.

2. Remote controller key operation and description of display in adjustment process mode.

1. key operation

Remote controller key	Main unit key	Function
CH (^ / v)	CH (^ / v)	Changing channel (UP/DOWN)
VOL (+/-)	VOL (+/-)	Changing Volume (UP/DOWN)
Cursor (▲ / ▼)		Turning a page (PREVIOUS/ NEXT)
Cursor (◀ / ▶)		Changing a selected line setting (+10/-10)
INPUT button on remote controller	INPUT Button	Input source switching (toggle switching) (DTV - ATV - Co,mposite HDMI1-HDMI 2- HDMI 3
ENTER		Execute item function

* Input mode is switched automatically when relevant adjustment is started so far as the necessary input signal is available.

3. Software Upgrading

Software upgrading using USB.

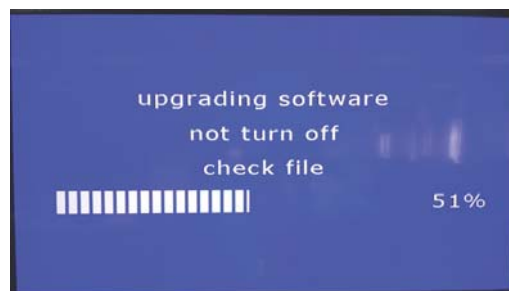
- 1) Plug OFF the LCD TV.
- 2) Insert the USB device to the USB terminal at the LCD TV.
- 3) Plug ON the LCD TV.
- 4) A few second later, the software upgrading will start automatically.



- 5) TV will automatically restart when software is successfully installed.
- 6) LCD TV is running with the latest software.

Software upgrading using Remote Control.

- 1) Make sure LCD TV is turn ON.
- 2) Insert the USB device to the USB terminal at the LCD TV.
- 3) Use below menu procedure to start upgrading software version.
 - I. Tools(R/C button) >> Setting >> Device Preference >> About >> System Update
 - II. Insert the USB memory device containing the software update file >> OK
- 4) A few second later, the software upgrading will start automatically.



- 5) TV will automatically restart when software is successfully installed.
- 6) LCD TV is running with the latest software.

LCD-TV ADJUSTMENT ITEM

1. MICON SOFTWARE DATA INPUT
 - (1) Main MICON/Monitor MICON Software Data Input
2. V-COM ADJUSTMENT
3. SOFTWARE VERSION
4. WRITING CHANNEL PRE-SET DATA
5. WHITE BALANCE / GAMMA ADJUSTMENT
 - A. WHITE BALANCE ADJUSTMENT.
 - (1) White Balance Adjustment
 - a) Setting (R/C, COM)
 - b) Auto Adjustment (R/C, COM)
6. KEY DATA INPUT
 - (1) MAC ADDRESS DATA INPUT
 - (2) WideVine
 - (3) HDCP1.4, HDCP2.2
 - (4) HASH KEY, KEY MASTER
 - (5) PLAY READY
 - (6) NETFLIX MGK ID
 - (7) SERIAL NO
7. WRITING THE PANEL SIZE
8. POWER CONSUMPTION
9. FACTORY SETTING

LCD TV ADJUSTMENT ITEM**1. MICON SOFTWARE DATA INPUT**1) Main MICON/Monitor MICON Software Data Input (Main PWB : **QPWBNH188WJ****)

	ITEM	CONDITION	PROCEDURE
1	Main MICON Data Input (Main PWB)	Checker adjustment File version confirmation	1. Data input by Gang Programmer SOC IC : RH-IXE260WJQZQ Input Data: .bin file (filename will be decided by Software Development Dept.) 2. At checker, confirm the version and perform operation inspection.

2. VCOM ADJUSTMENT

- Enter service mode key and go to VCOM/TEST PATTERN Page
- Press “Enter” key (at VCOM)
- Adjust the flicker effect by pressing “CH up/down“ of RC key
- Press “Enter” key after get the best value

3. SOFTWARE VERSION

Confirmation on Software version will be done during meeting.

Model	Software Package
4T-C60DL1X 4T-C70DL1X (Asia Destination)	upgrade_Mango_vX.XXX_no_tvcertificate_releasekey.rar
4T-C60DL1X 4T-C70DL1X (Philippines Destination)	upgrade_MangoP_vX.XXX_no_tvcertificate_releasekey.rar
4T-C60DL1X 4T-C70DL1X (Hong Kong Destination)	upgrade_MangoH_vX.XXX_no_tvcertificate_releasekey.rar

Main Software Filename : X.XXX is Software version

If any changes of software, will be informed by MARUHEN

4. WRITING CHANNEL PRE-SET

The step to use the pre-set channel is:

- Extract the attachment/zip and get the folder “PresetChannel”.
- Copy this folder to top directory of USB Pen drive without rename the folder
- Plug in to any USB port of TV
- Enter K mode, pre-set channel will be loaded
- End

*Note: Inside New PresetChannel folder have three folders: Asia, Taiwan & Philippine.**Do choose correct destination model.**The folder is not compatible with version older than v0.89***5. WHITE BALANCE ADJUSTMENT/ GAMMA ADJUSTMENT**

A. WHITE BALANCE ADJUSTMENT.

White Balance Adjustment / Gamma Adjustment

NO.	ITEM	CONDITION	PROCEDURE	
a)	Setting	AV Mode : DYNAMIC Backlight : MAX Set the luminance meter on the centre of the screen	For the details of white balance adjustment procedure, please refer to white balance adjustment spec for Kameyama model. 1. Confirm the set condition. 2. Connect the white balance jig. i. 3.5mm H/P Jack. (4 Pole Pin) ii. RS-232 Cross cable (2 pcs) + Convert wire from RS-232 D-Sub (9 pin to 3.5mm H/P Jack (4 Pole Pin). 3. Through RS-232C command, adjustment mode screen is displayed.	
b)	Auto Adjustment	Initial setting	Panel Contrast R/G/B_MAX R/G/B_HIGH R/G/B_LOW	C _{nt} = 4000:1 WB _{MAX} = 4080 WB _H = 3664/4080 WB _L = 640/4080
	[command] Adjustment Mode KRSW0001 KKT10037 Setting OSDS0001 SBSL0016 Multi point adj. Mode MSET0000 WBI20255 Adj Point 2 WBI20229 MG2G**** MG2B**** MG2R**** Adj Point 1 WBI10040 MG1G**** MG1B**** MG1R**** Set Max.Level MGMG**** MGMR**** MGMB**** Write MSET0003	(1) Measurement (2) Set (3) Measurement (4) Measurement (5) Calculation (6) Calculation (7) Calculation (8) Calculation R/G/B_HIGH (9) Set R/G/B_HIGH (10) Original WB adjustment is performed (HIGH) Set the specified gradation for point 2, fix the most faint colour to get reference value, adjust others 2 colours to minus adjustment for reference value of point 2. (11) Measurement (Set) (12) Calculation (13) Set (14) Calculation (15) Calculation R/G/B_LOW (16) Set Initial setting of R/G/B_LOW (17) Original WB adjustment is performed (LOW). Adjust RB to the reference value of point 1. (18) Adjusted value is writing at [command] MSET0003	MAX Brightness MIN Brightness HIGH Brightness LOW Brightness H γ L γ HIGH luminance (γ=2.2) Initial setting of Initial setting of HIGH Brightness R_HIGH= G_HIGH G_HIGH= G_HIGH B_HIGH= G_HIGH MAX luminance after WB ADJ set to γ=2.2 (L _{XHG}) R/G/B_MAX LOW luminance (γ=2.2) Initial setting of Set Initial setting of R/G/B_LOW Original WB adjustment is performed (LOW). Adjust RB to the reference value of point 1. Adjusted value is writing at [command] MSET0003	L _{max} =305.7 cd/m ² L _{min} = L _{max} /C _{nt} = 0.102 L _{XH} =235.1 cd/m ² L _{XL} =2.06 cd/m ² Hγ=LOG((L _{XH} -L _{min})/(L _{max} -L _{min}))/LOG(WB _H /WB _{MAX})= 2.44 Lγ=LOG((L _{XL} -L _{min})/(L _{max} -L _{min}))/LOG(WB _L /WB _{MAX})=2.73 LH22=(L _{max} -L _{min}) x (WB _H /WB _{MAX})^2.2+L _{min} =241.31 WB _{HX} =WB _{MAX} X ((LH22-L _{min})/(L _{max} -L _{min}))^(1/H γ)=3703 R_HIGH=WB _{HX} '=3703 G_HIGH=WB _{HX} '=3703 B_HIGH=WB _{HX} '=3703 R_HIGH=3702 G_HIGH=3641 B_HIGH=3703 RESULT R_HIGH=3641 G_HIGH=3641 B_HIGH=3641 } L _{XHG} =231.3 L _{XMx} =L _{XHG} /((WB _H /WB _{MAX})^2.2)=293.04 R_MAX=G_MAX*(R_HIGH/G_HIGH)=4078 G_MAX=WB _{MAX} X ((L _{XMx} -L _{min})/(L _{max} -L _{min}))^(1/Hγ)=4010 B_MAX=G_MAX*(B_HIGH/G_HIGH)=4078 L _{XLx} =(L _{XMx} -L _{min}) x (WB _L /WB _{MAX})^2.2+L _{min} =5.08 WB _{Lx} =WB _{MAX} X ((L _{XLx} -L _{min})/(L _{max} -L _{min}))^(1/L γ)=901 R_LOW=WB _{Lx} =901 G_LOW=WB _{Lx} =901 B_LOW=WB _{Lx} =901 RESULT R_LOW= 921 G_LOW=901 B_LOW=971

6. KEY DATA INPUT

- (1) MAC Address Data Input (Main PWB: QPWB
- ~~NH~~
- 188WJZZ : 60", QPWB
- ~~NH~~
- 210WJZZ : 70")

Please refer to Caution Item for Production

- (2) Widevine (Main PWB: QPWB
- ~~NH~~
- 188WJZZ : 60", QPWB
- ~~NH~~
- 210WJZZ : 70")

Widevine for Philippines destination different with Asia Destination

Widevine Key	Project Name	Device Name
ASIA Destination	MANGO	banqiao
SPC Destination	MANGO	banqiao

Please refer to Caution Item for Production

- (3) HDCP1.4, HDCP2.2 (Main PWB: QPWB
- ~~NH~~
- 188WJZZ : 60", QPWB
- ~~NH~~
- 210WJZZ : 70")

Please refer to Caution Item for Production

- (4) HASH KEY, KEY MASTER (Main PWB: QPWB
- ~~NH~~
- 188WJZZ : 60", QPWB
- ~~NH~~
- 210WJZZ : 70")

KEY MASTER for Philippines destination different with Asia Destination

KEY MASTER Key	Project Name	Device Name
ASIA Destination	MANGO	banqiao
SPC Destination	MANGO	banqiao

Please refer to Caution Item for Production

- (5) PLAY READY (Main PWB: QPWB
- ~~NH~~
- 188WJZZ : 60", QPWB
- ~~NH~~
- 210WJZZ : 70")

Please refer to Caution Item for Production

- (6) NETFLIX MGK ID (Main PWB: QPWB
- ~~NH~~
- 188WJZZ : 60", QPWB
- ~~NH~~
- 210WJZZ : 70")

Please refer to Caution Item for Production

- (7) SERIAL NO (Main PWB: QPWB
- ~~NH~~
- 188WJZZ : 60", QPWB
- ~~NH~~
- 210WJZZ : 70")

Please refer to Caution Item for Production

Display format (example)

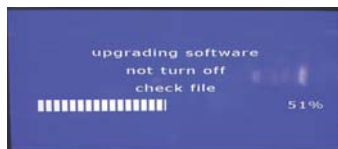
Service Menu	
Software Version	0.880
Build	xxxxxxxxxxxxxxxxxxxxxx
Factory Menu	
Development Menu	
Panel Version	01
Temp Sensor	130
Error Standby Cause [1]	-----
[2]	-----
[3]	-----
[4]	-----
[5]	-----
Wifi Region	GROUP 1

Factory Menu (example)

Dimmer/Key	
Dimmer PT1	50
Dimmer PT2	50
Dimmer PD1	—
Dimmer PD2	50
MAC ADDRESS	12:34:56:AB:CD:EF
WIFI MAC ADDRESS	F4:93:9F:FA:A1:FF
NETFLIX MGK ID	ANDROIDTV2019ASIA4KREF-MGK000004587541
WIDEVINE DEVICE ID	LCD02F09FFC94F788
PLAY READY	4K-CXXBX1X
HDCP1.4	1903180F42400400000000
HDCP2.2	1905080008FB01F64634BC2F
HDCP2.2 RECEIVER ID	F64634BC2A
HASH KEY	8DF3
KEY MASTER	F514
SERIAL NO	456ABCDEF

7. WRITING PANEL SIZE

- 1) Power OFF the LCD TV.
- 2) Insert the USB device to the USB terminal at the LCD TV.
Please use software : upgrade_image_project_id.pkd
- 3) Power ON the LCD TV.
- 4) A few second later, the software upgrading will start automatically.



- 5) TV will automatically restart when software is successfully installed.
- 6) LCD TV is running with the installed panel setting.

To confirm the panel setting, go to service mode and check as below:

Panel Setting	
PANEL SELECTION	70_SDP_ESPRIT_ASIA 60_SDP_ESPRIT_ASIA
VCOM ADJ	100
TEST PATTERN	

**Wifi Region setting in Factory Menu for each destinations model as below:

MODEL (4T-C70DL1X)	DESTINATION	DESTINATION SETTING
A3KLTDL1SZ	SSC	GROUP 11
A3KLTDL1SJ	SEM	GROUP 7
A3KLTDL1SI	STID, SEID	GROUP 6
A3KLTDL1SY	SVN	GROUP 2
A3KLTDL1SP	SPC	GROUP 8
A3KLTDL1SB	STCL	GROUP 2
A3KLTDL1SN	SMEF-N	GROUP 10
A3KLTDL1SM	SMEF-M	GROUP 10
A3KLTDL1SH	DCH	GROUP 12

**Wifi Region setting in Factory Menu for each destinations model as below:

MODEL (4T-C60DL1X)	DESTINATION	DESTINATION SETTING
A3KLRDL1SZ	SSC	GROUP 11
A3KLRDL1SJ	SEM	GROUP 7
A3KLRDL1SI	STID, SEID	GROUP 6
A3KLRDL1SY	SVN	GROUP 2
A3KLRDL1SP	SPC	GROUP 8
A3KLRDL1SB	STCL	GROUP 2
A3KLRDL1SN	SMEF-N	GROUP 10
A3KLRDL1SM	SMEF-M	GROUP 10
A3KLRDL1SH	DCH	GROUP 12

8. POWER CONSUMPTION

Power Consumption Measurement Method

- ① Aging time : minimum 30 minutes
- ② Signal : Digital Color Bar
- ③ Audio frequency : 400 Hz
- ④ AV Mode : Dynamic
- ⑤ Picture Setting : Backlight/ Brightness/ Contrast : MAX;
- ⑥ Audio Output (400 Hz) : 1/8 of Maximum Audio Output (10W + 10W) ; (Vol:73 steps)
- ⑦ AC Input: 240V_{AC} 50Hz
- ⑧ Wake UP LAN : Off

Model	4T-C70DL1X	
Power Consumption Specification (IEC60065 Ed.8)	Typical Value	Limit Value
Power Consumption	156.76W	+10%
Power Consumption at Standby Operating	0.54W	0.6W

Model	4T-C60DL1X	
Power Consumption Specification (IEC60065 Ed.8)	Typical Value	Limit Value
Power Consumption	182.11W	+10%
Power Consumption at Standby Operating	0.52W	0.6W

9. FACTORY SETTING

AC power is plug off after shipment setting is done.

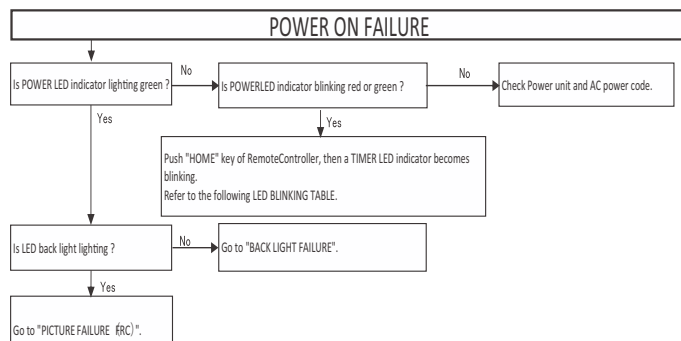
Caution: Do not plug on again after shipment setting is done. If do, please re-do the shipment setting. Do not off with remote control.

ITEM	CONDITION	PROCEDURE
Factory setting	AC power off to exit the factory setting.	1. Setting is done with test remote control. 2. Press the 'Factory Setting' key on the remote control continuously. 3. When Green background appears on screen and 'K' mark disappears, setting is completed.
		The followings are initialised to factory setting: 1) User setting 2) Channel data (e.g. broadcast frequencies) 3) Manufacturer's option settings 4) Password data 5) Setting values are set based on model destination

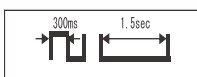
Model Name	Factory Setting Key Name	Remote Control Code	S-System Setting	OSD Language Setting
(A3KL RDL1SZ/J/Y/P/B/I/M/N/H) : 60" (A3KL TDL1SZ/J/Y/P/B/I/M/N/H) : 70"	GENERAL	10000 1101 0111 10	MULTI	15 LANGUAGES

CHAPTER 6. TROUBLESHOOTING

[1] TROUBLESHOOTING



LED BLINKING TABLE



1 LED/POWER LED

kind	POWER LED Action(1 period)	remark
Back light error blinking red 1 time	H: Lighting RED	Refer to 2) Details of Back light error. TIMER LED becomes blinking when "ホーム" key of remote controller is pushed.
	L: Turning off	
Power error blinking red 2 times	H: Lighting RED	Refer to 3) Details of Power error. TIMER LED becomes blinking when "ホーム" key of remote controller is pushed.
	L: Turning off	
Others blinking green 2 times	H:	Refer to 4) Details of Main CPU communication error. TIMER LED becomes blinking when "ホーム" key of remote controller is pushed.
	L: Turning off	

2) Details of Back light error.

	TIMER LED	remark
Back light error blinking 1 time	H: Lighting RED	ERR_PNL (T33pin, TL3368) Error of back light error signal input from Power unit. (Open corrector pulled up in Main unit.) If this error is counted 5 times, TV set can't be power on except be forced. Check Power unit or LED back light unit.
	L: Turning off	

3) Details of Power error

kind	TIMER LED	Remark
PS_ON AC_DET error blinking 1 time	H: Lighting RED	AC_DET(T34pin, TL3326) error (L). Check Power unit or Main unit.
	L: Turning off	
UR13V Main 12V error blinking 2 times	H: Lighting RED	DET_13V(P33pin, TL3325) error (L). Check UR13V Check Power unit or Main unit.
	L: Turning off	
V_CORE blinking 3 times	H: Lighting RED	DET_VCORE(R36pin, TP3310)異常 (L). Check VCORE TV Check Main unit.
	L: Turning off	
PANEL_POW Panel 12V error blinking 5 times	H: Lighting RED	DET_POW_T(V38pin, TP3311) error (L). Error of Panel 12V power line input from power unit and controlled in Main unit.
	L: Turning off	

4) TIMER LED

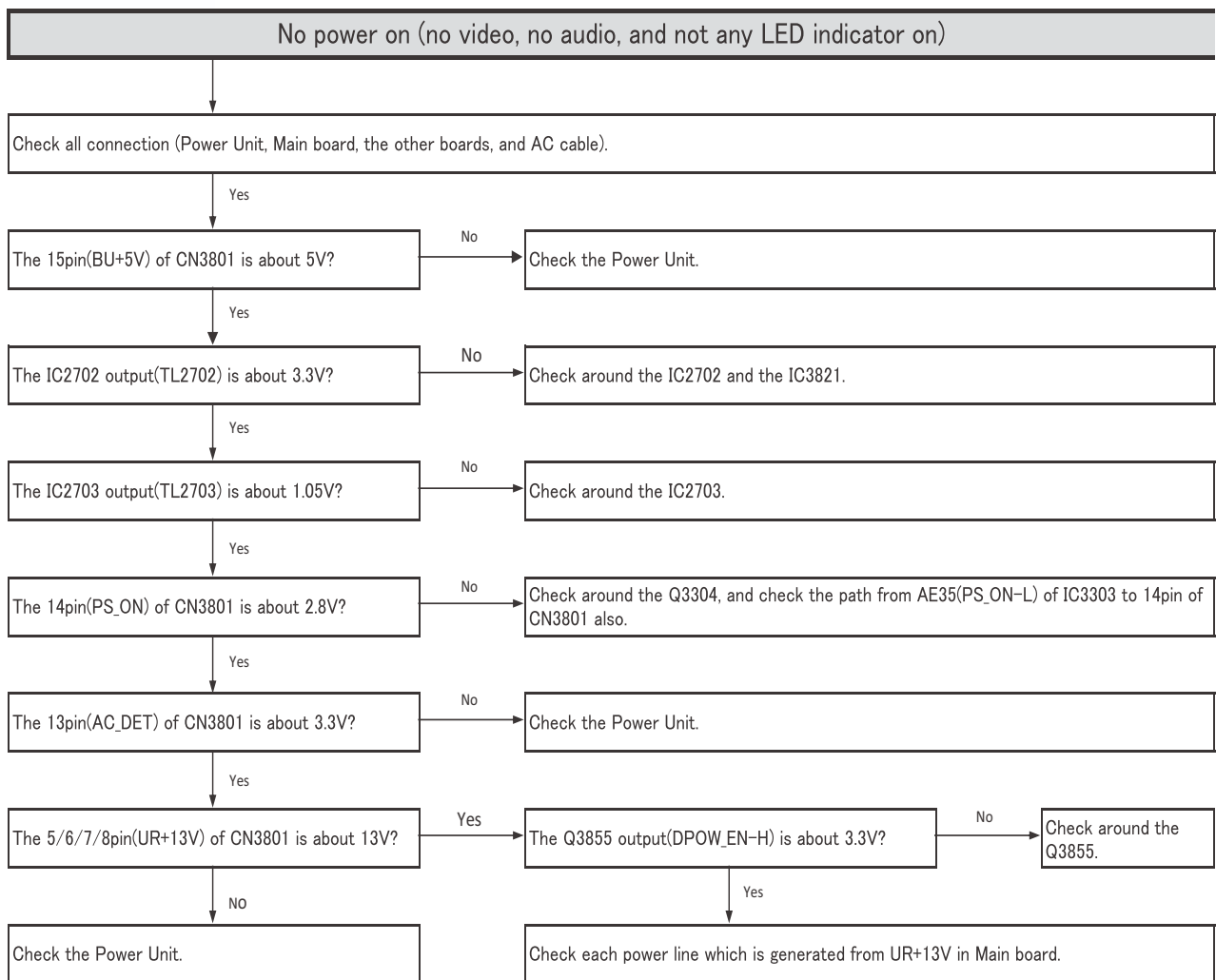
	TIMER LED	Remark
temperature error blinking 1 time	H: Lighting LED	Error of LCD panel temperature over 60 degrees(over 15 seconds : Caution / over 25 seconds : Error standby). Check Main unit or TV set condition.
	L: Turning off	

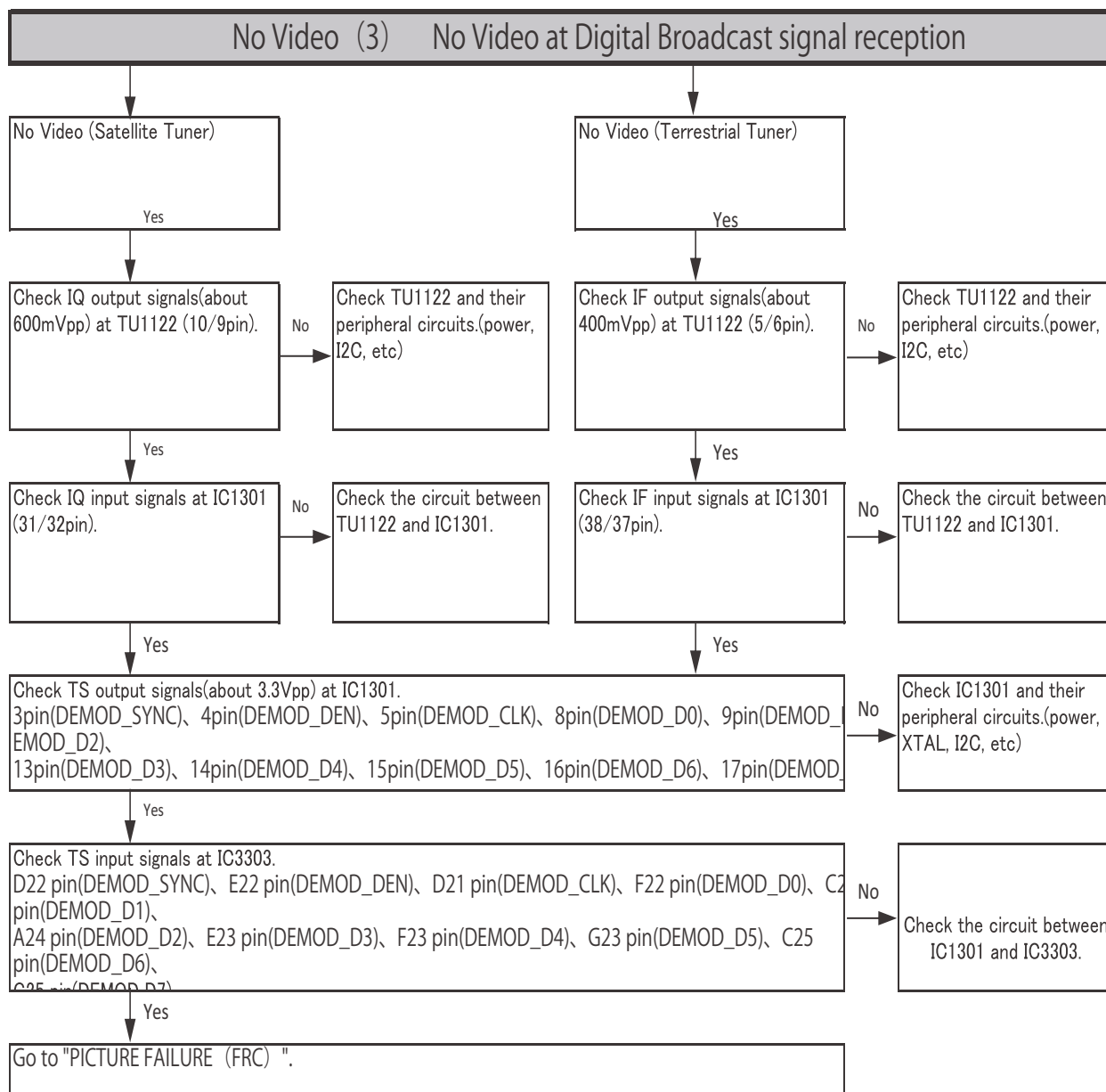
ERR STBY TABLE

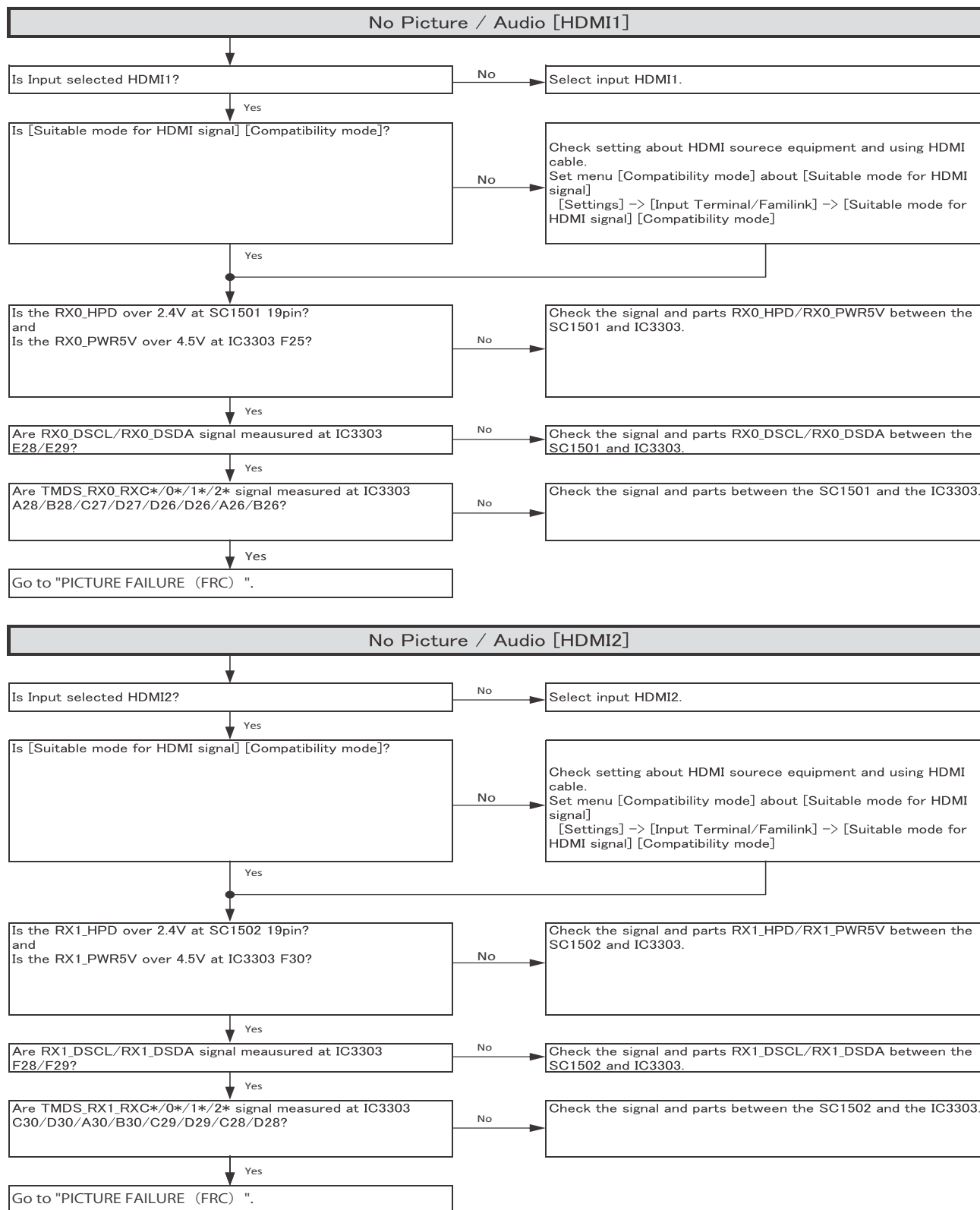
Outline: Abnormality detected by the uP can be saved in EEPROM and the last four abnormal states can be confirmed in factory menu.

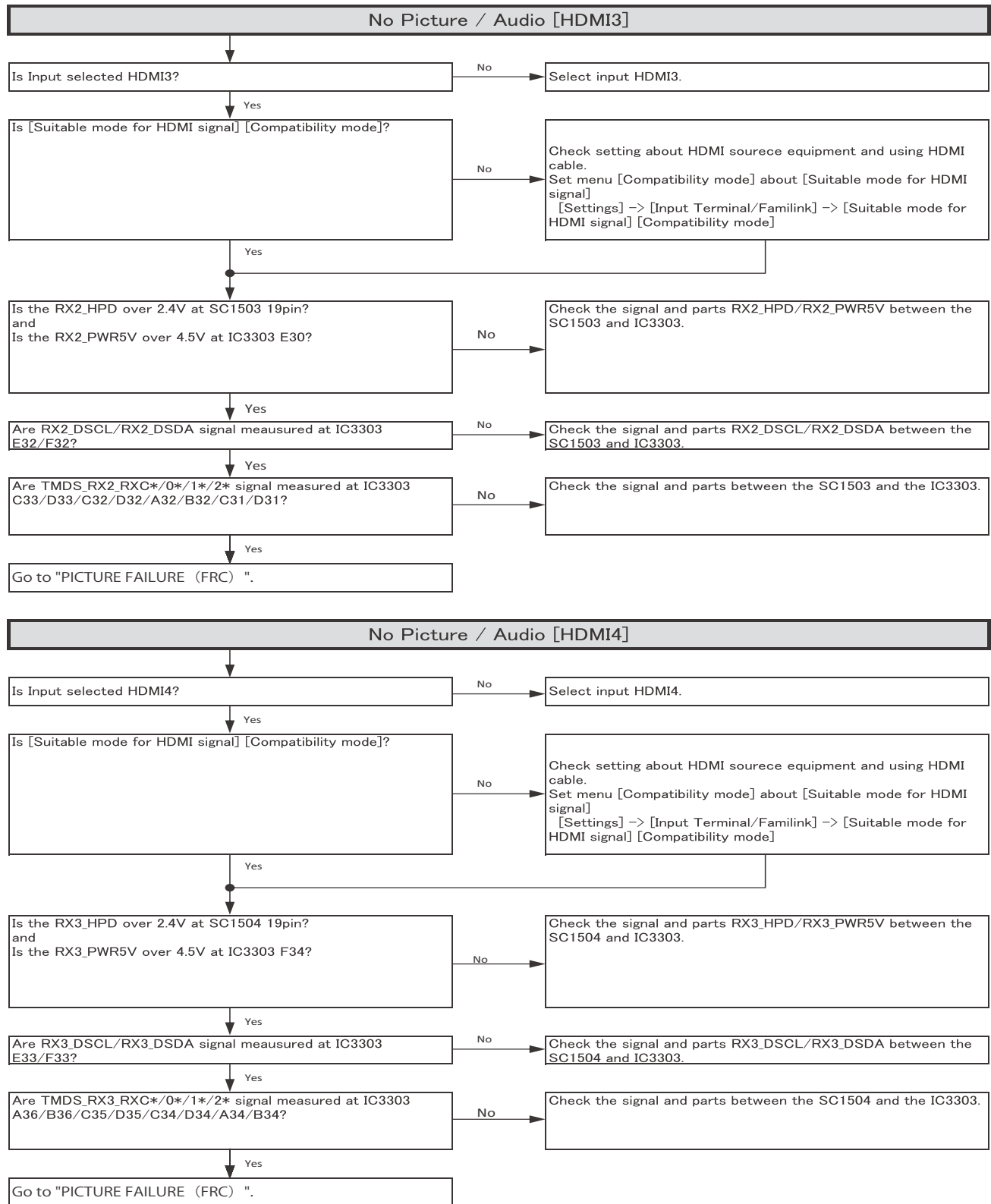
First page of factory menu: MONITOR ERR CAUSE item. "0" if there is no error at all. It can be cleared to 0 on the final page of factory menu.

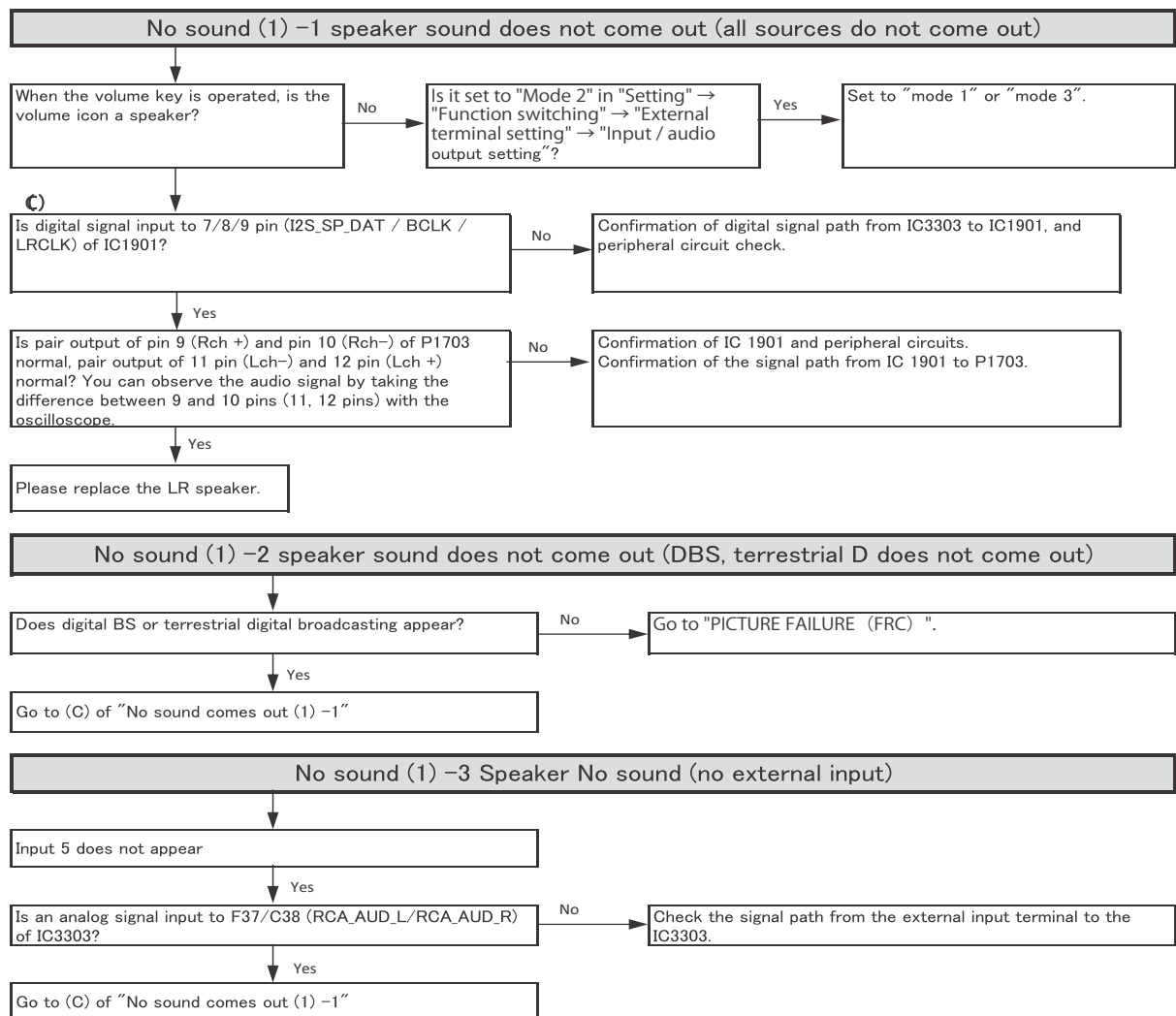
No	Error description	
16	Lamp Error	Lamp error
1A	Temperature Error	Temperature error
1E	Power Error2	D_POW(DET_12V) error
1F	Power error 3	D_POW(DET_VCORE) error
21	Power error 5	Panel Power error
22	Power error 1	PS_ON(AC_DET) error

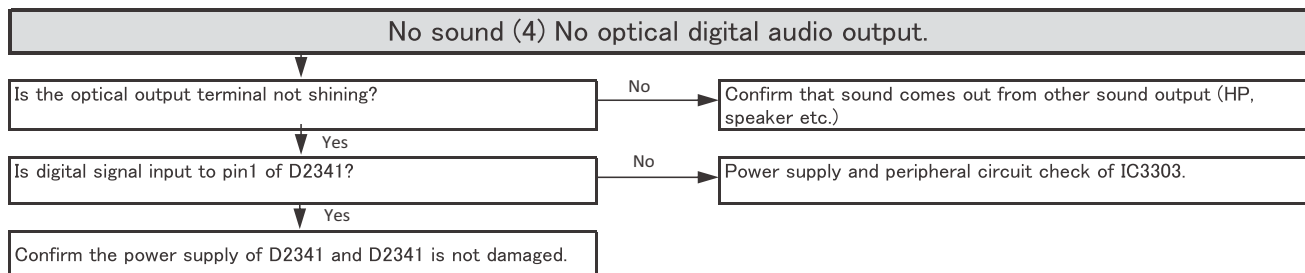
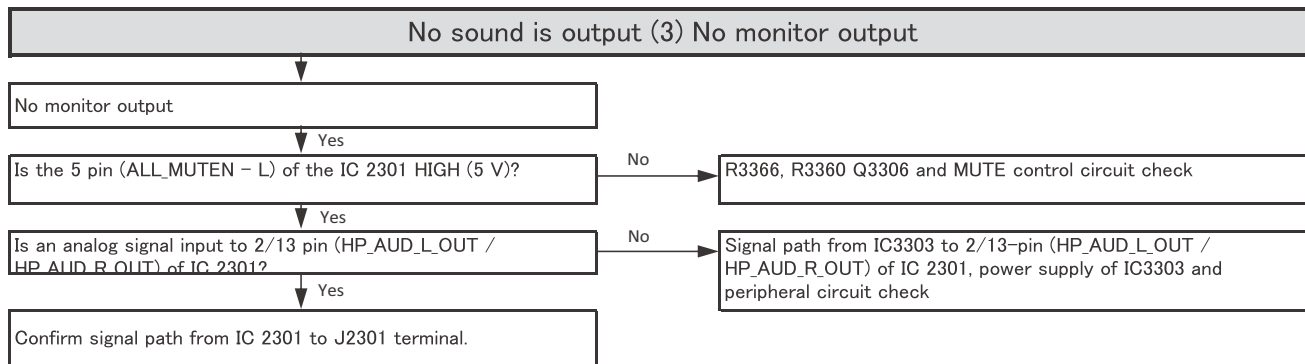
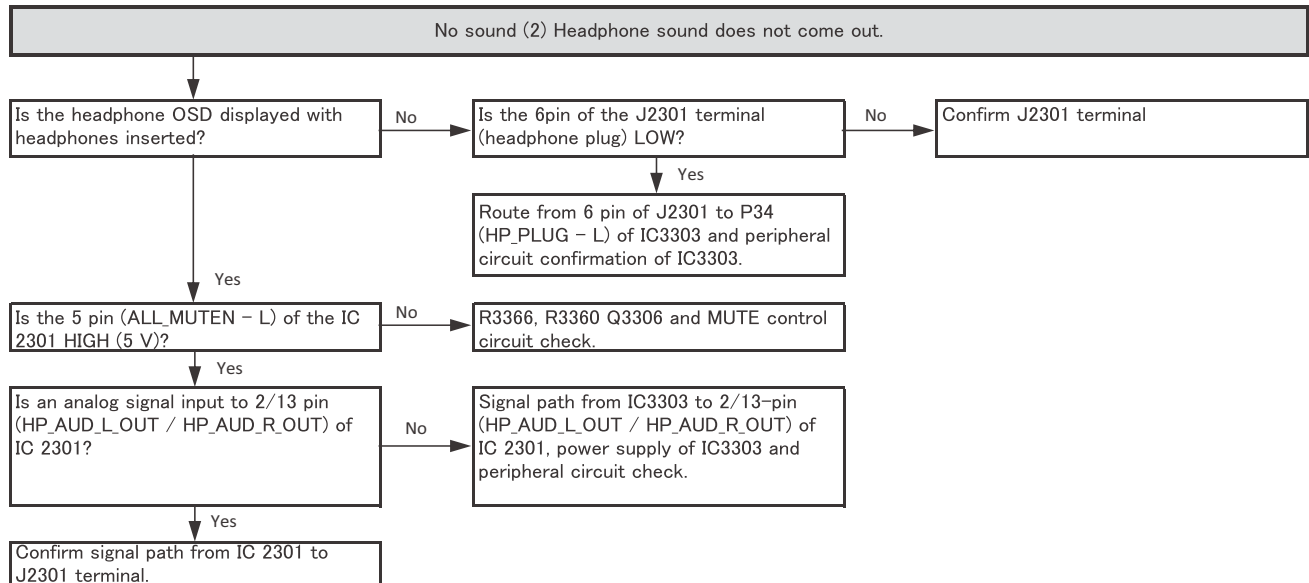


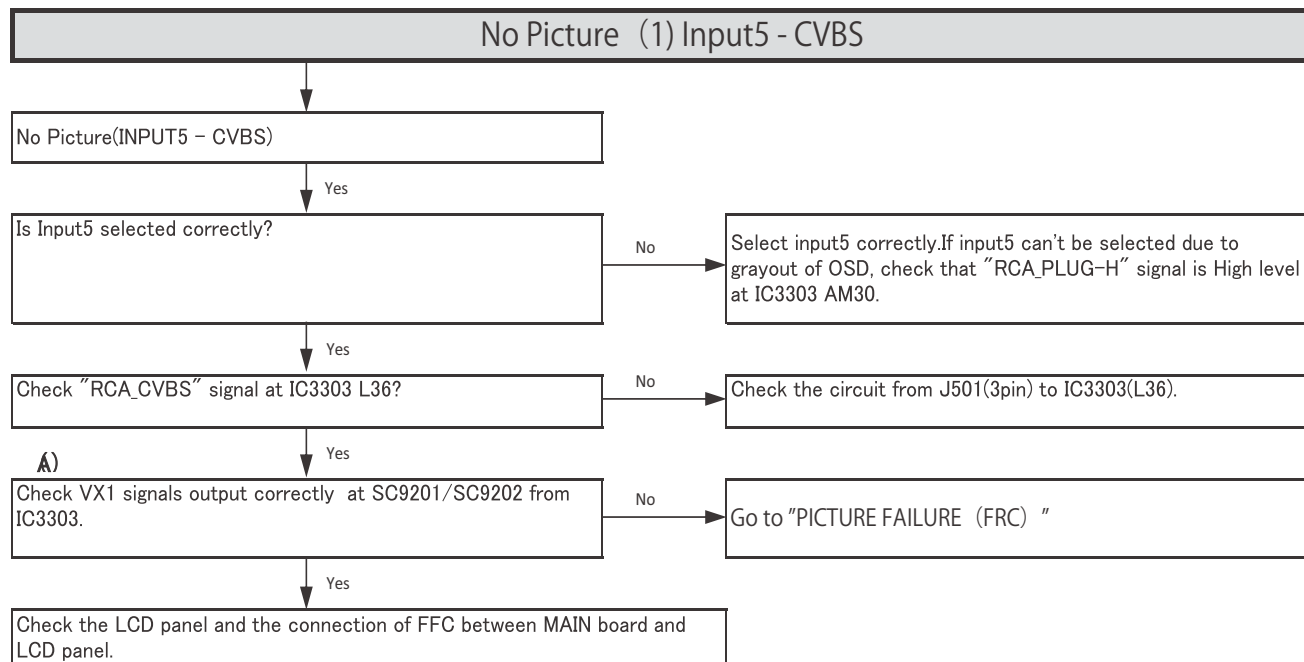


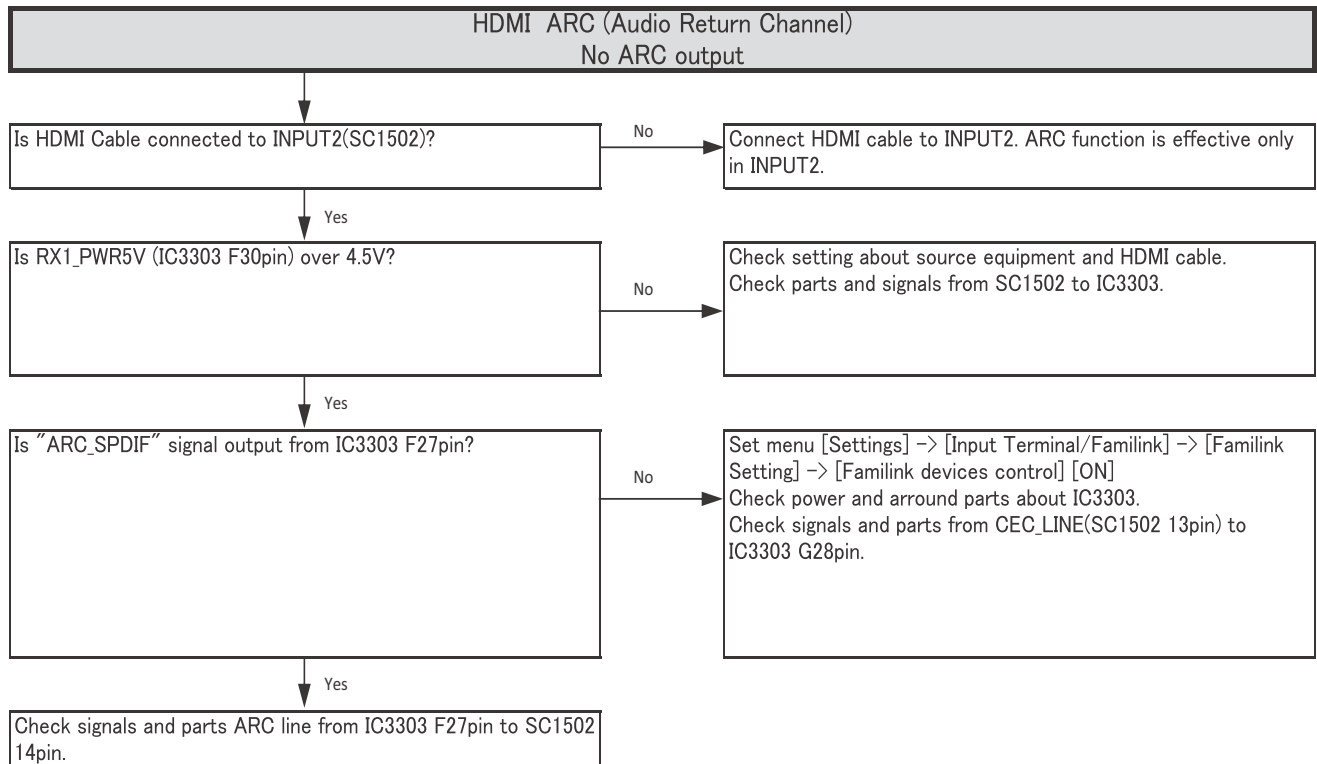


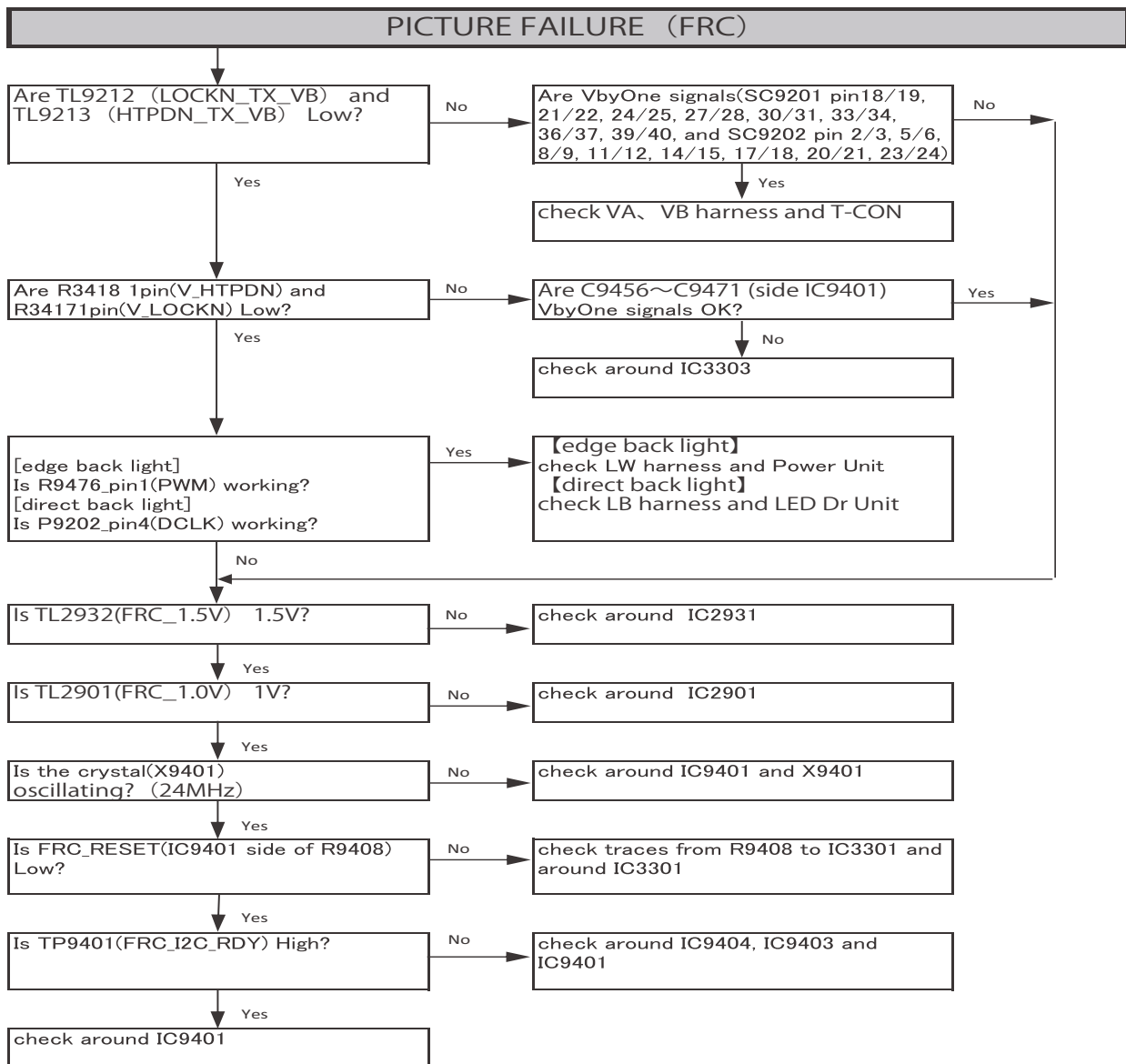


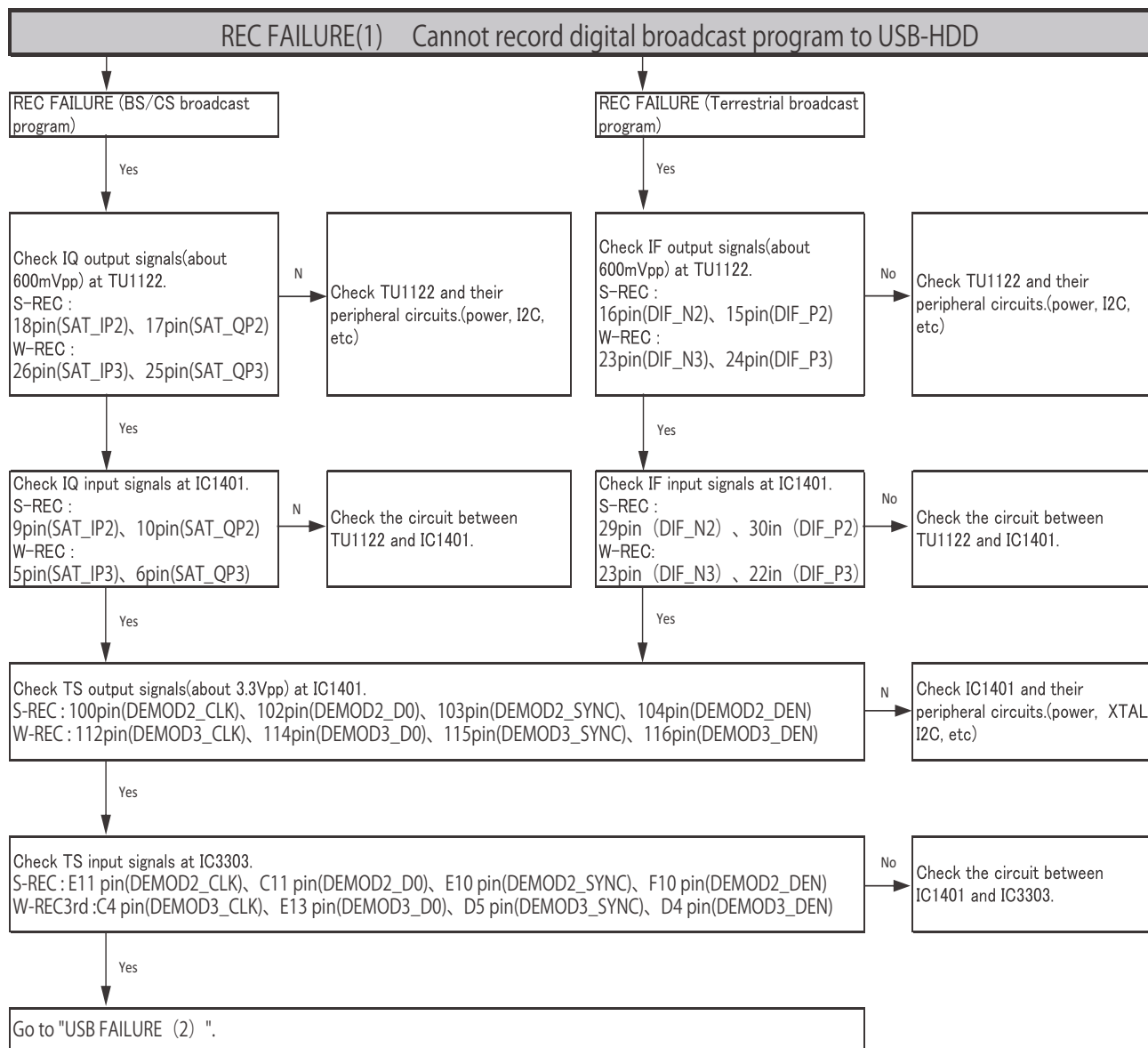


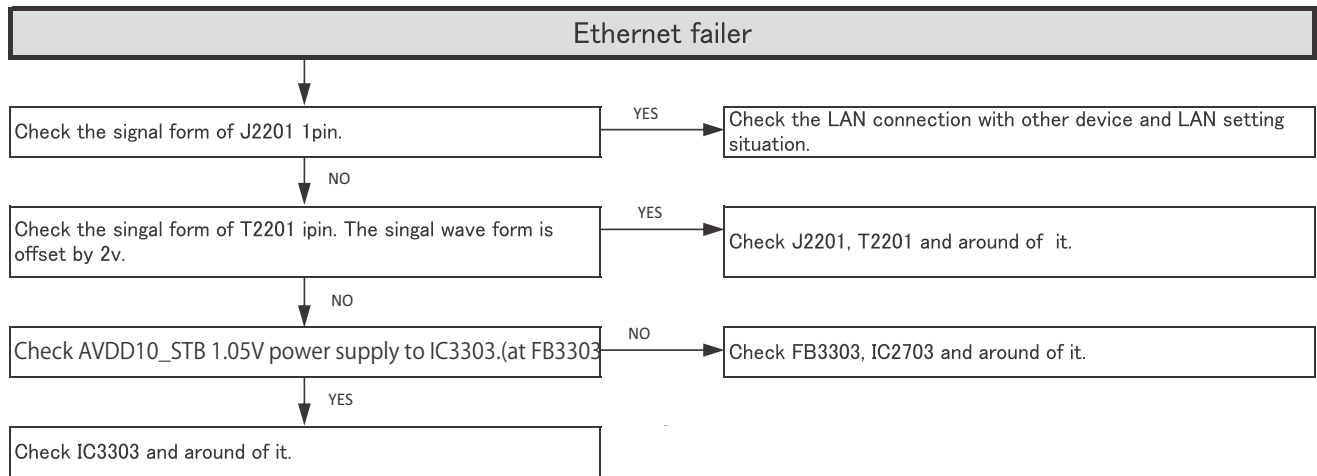




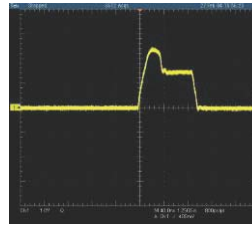




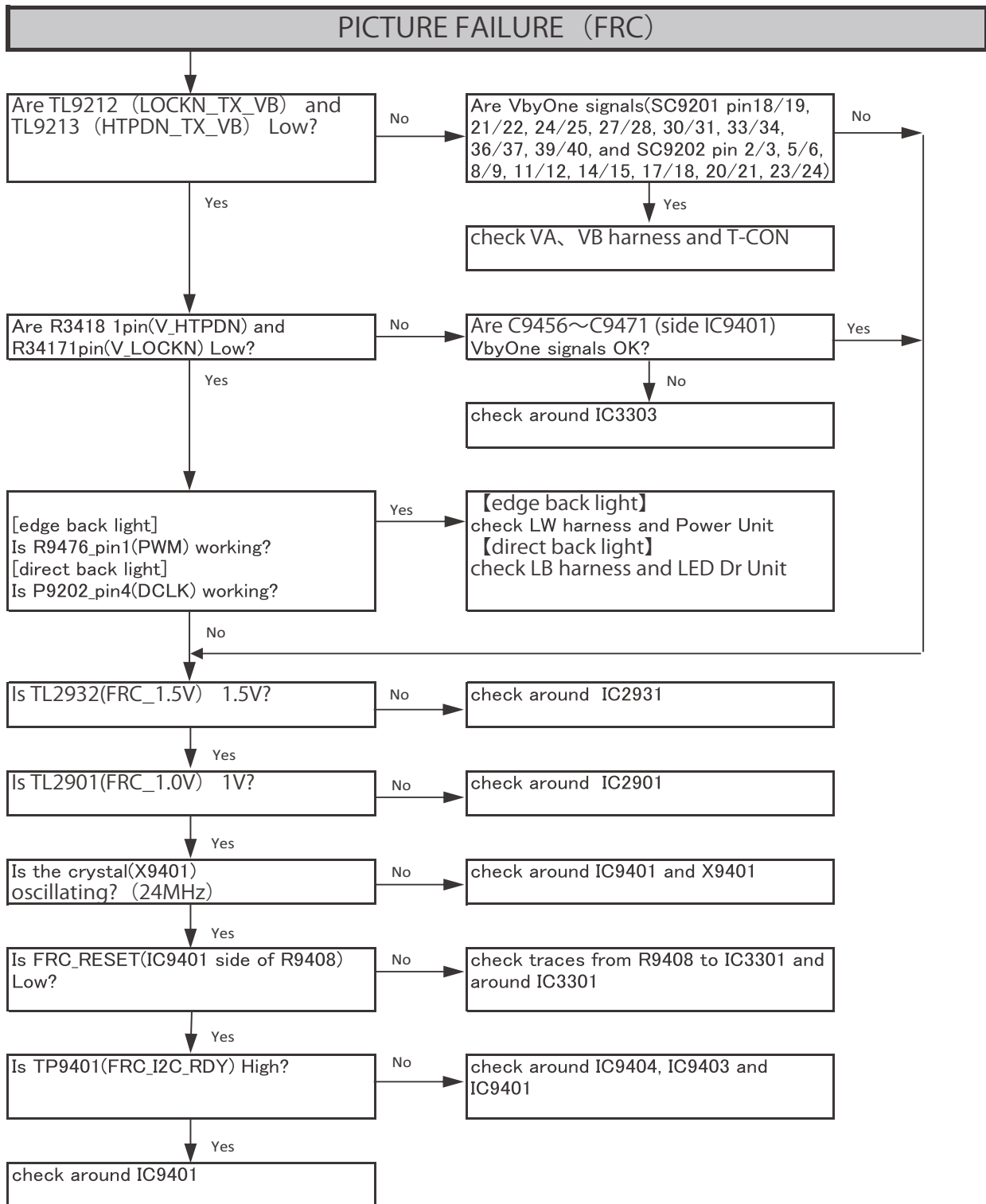




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LAN端子J2201

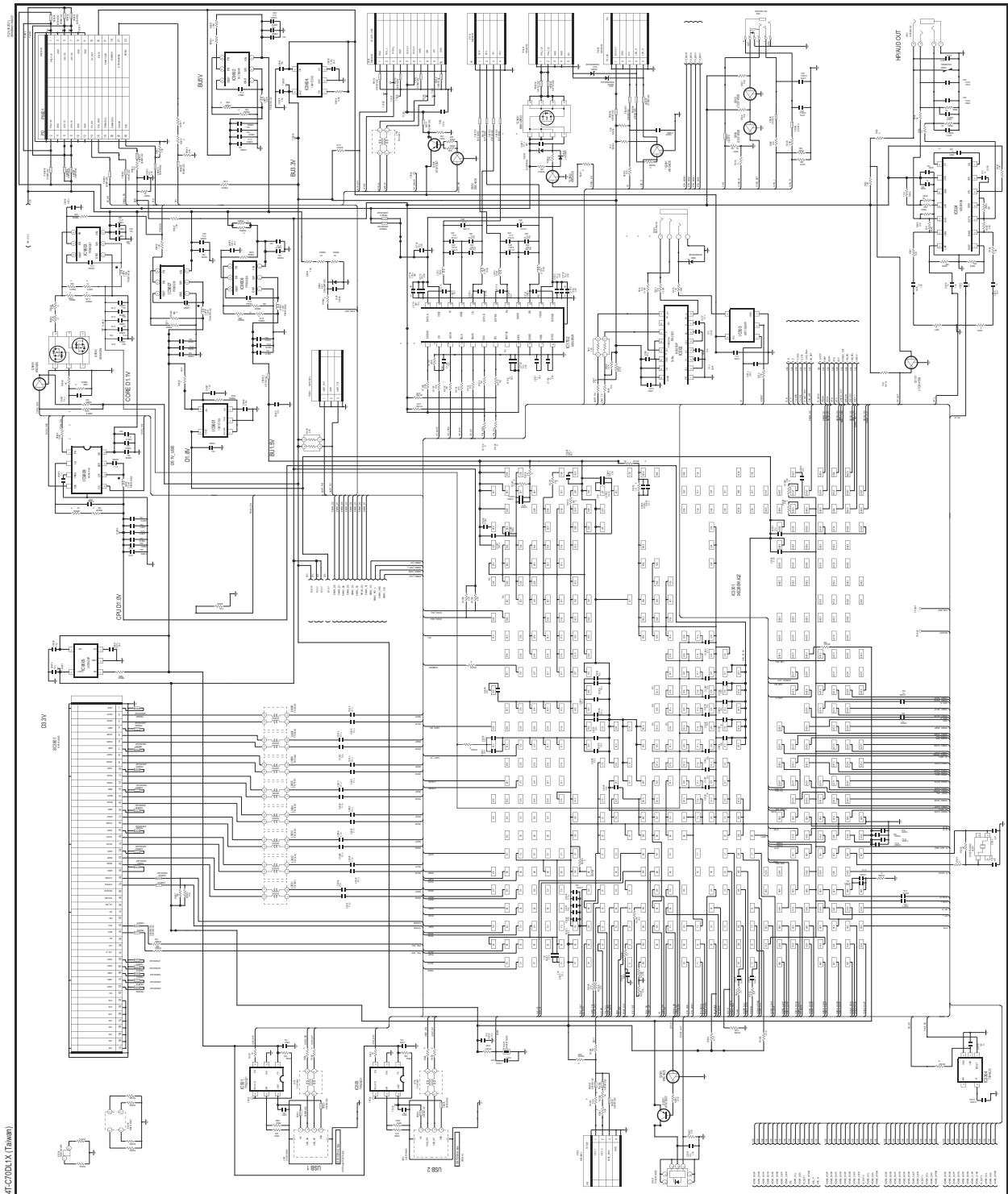


参考波形
for Reference

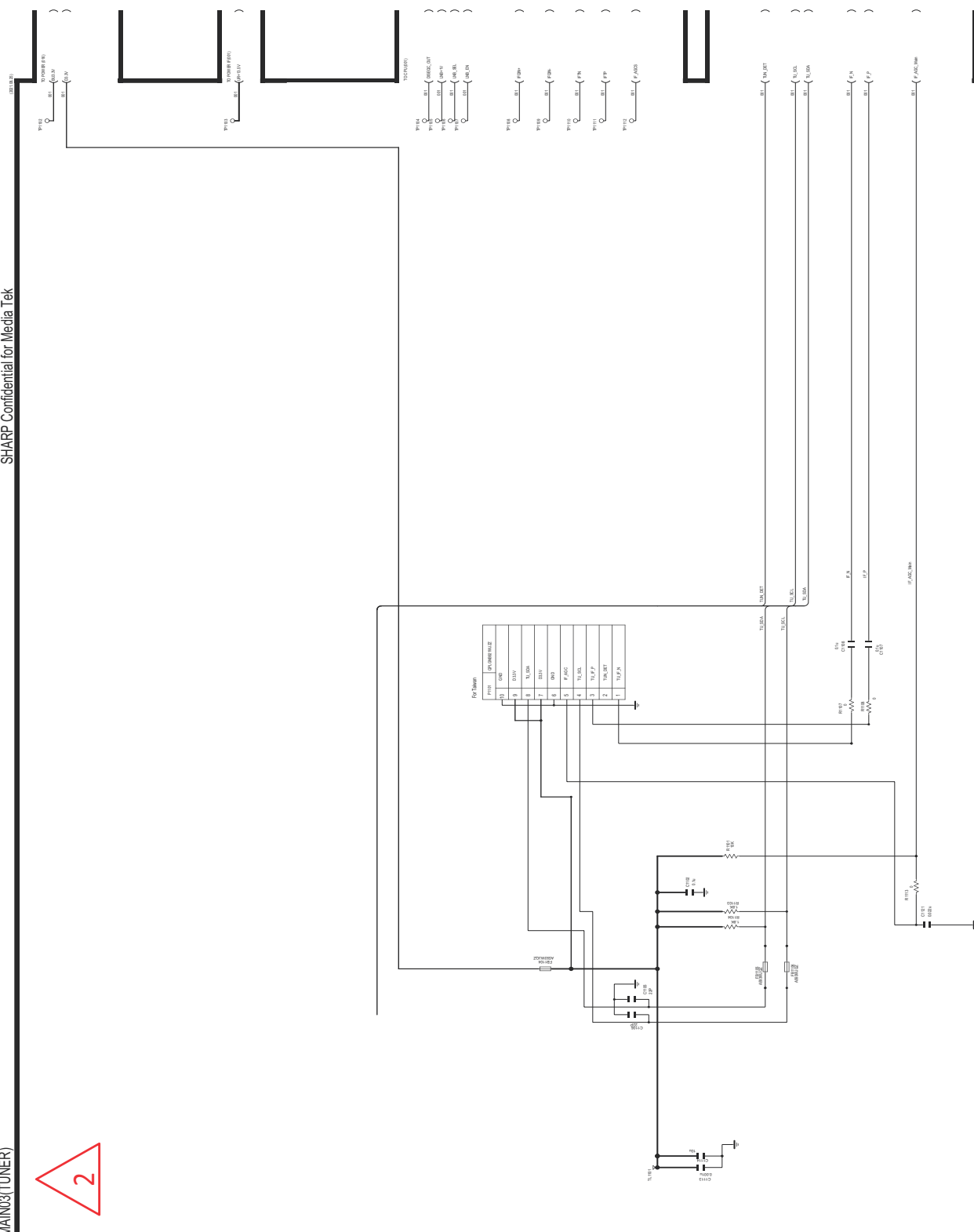


CHAPTER 7. DESCRIPTION OF SCHEMATIC DAIGRAM

[1] DESCRIPTION OF SCHEMATIC DIA-GRAM









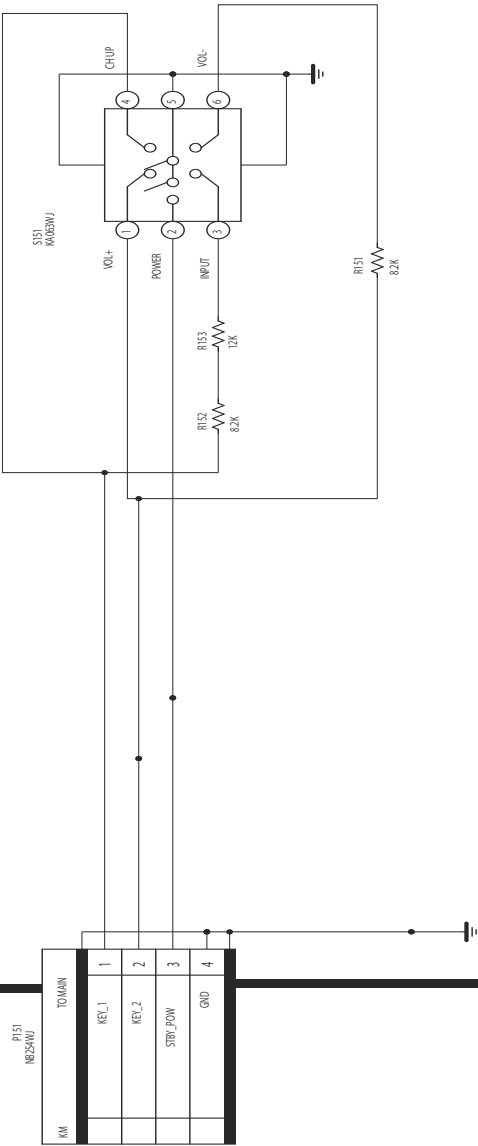




JOG KEY

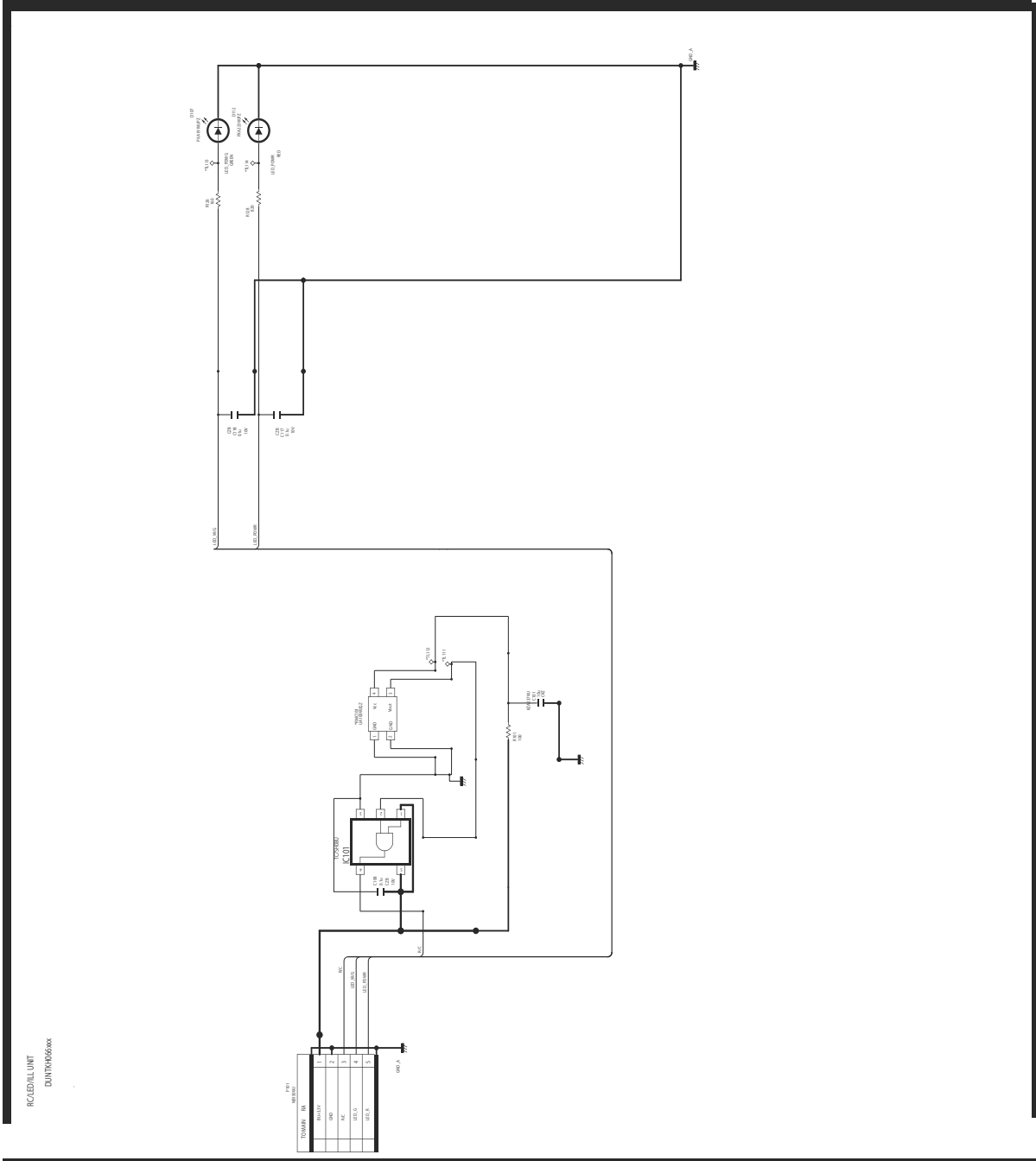
PT 2019.12.06

QFV0BH065WZZ

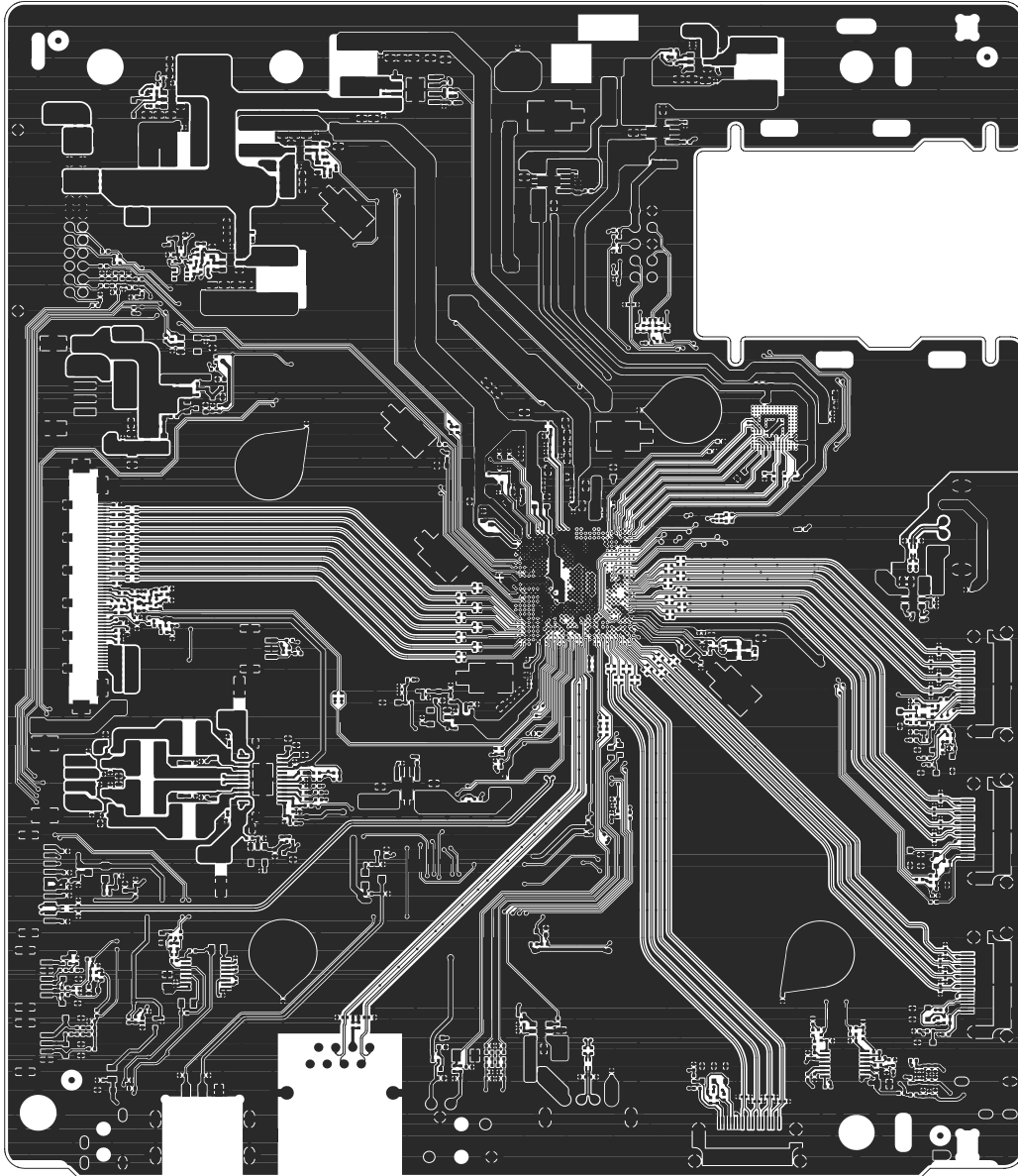




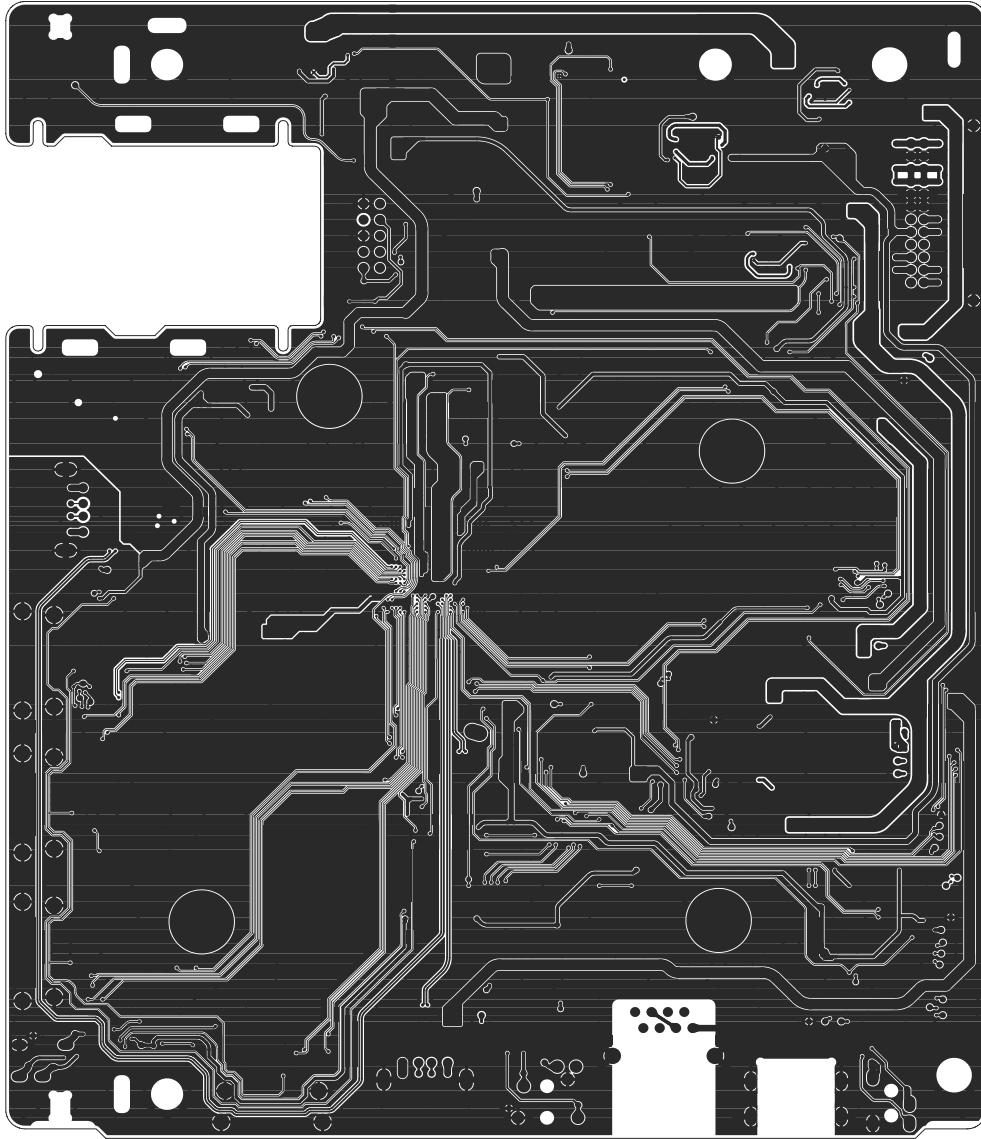
R/CLED ILL



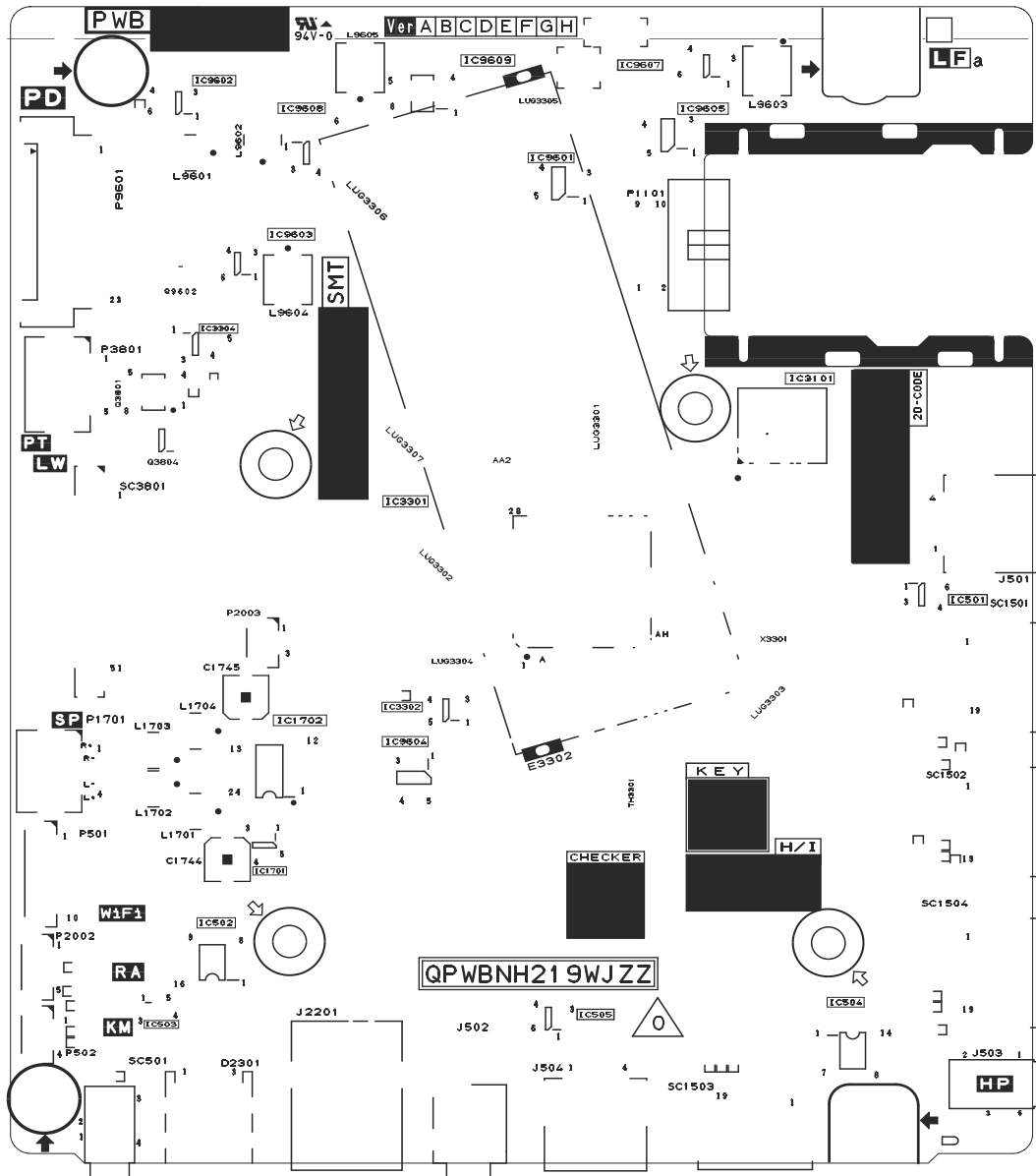
H219 PATTERN 1



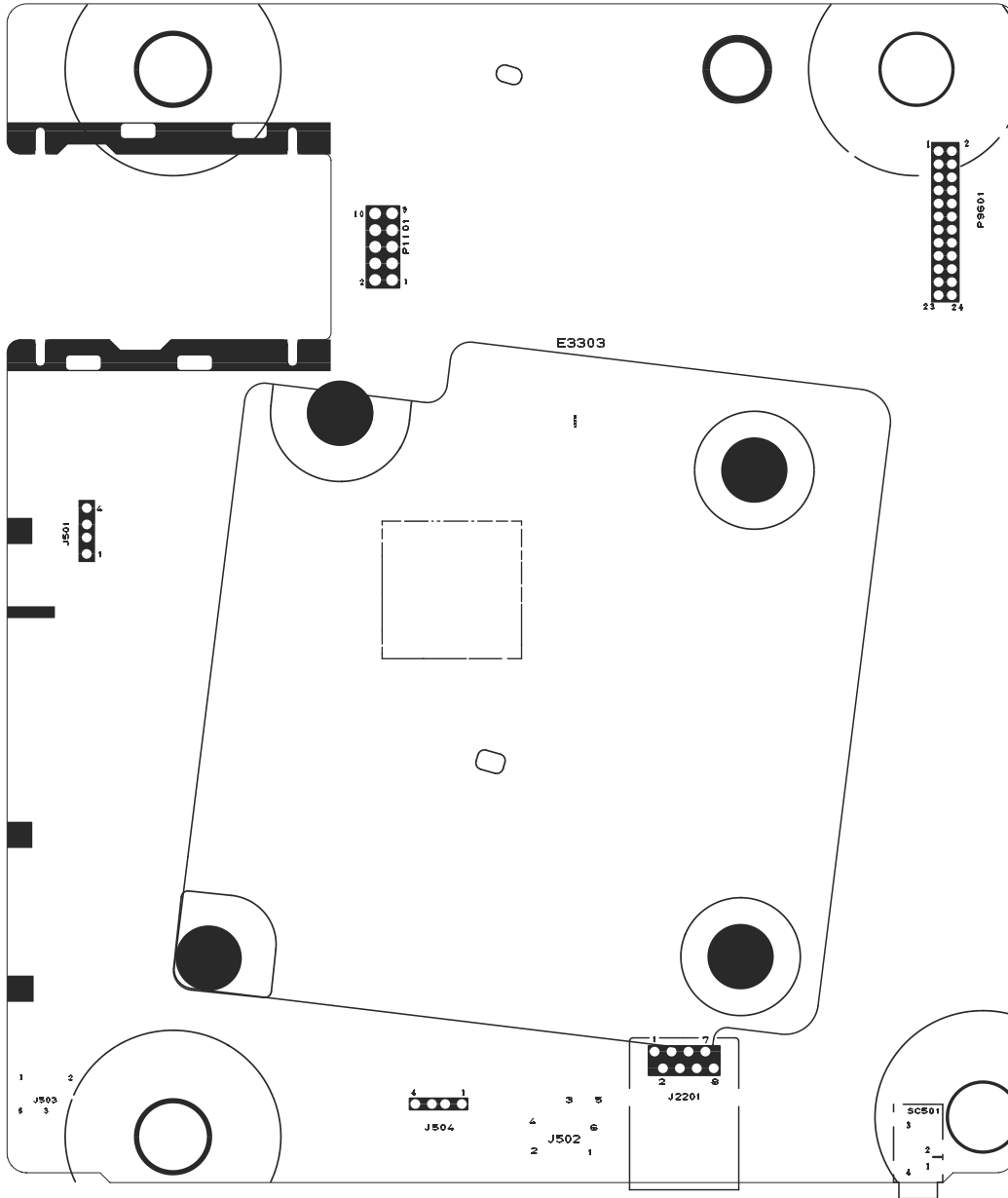
H219 PATTERN 2



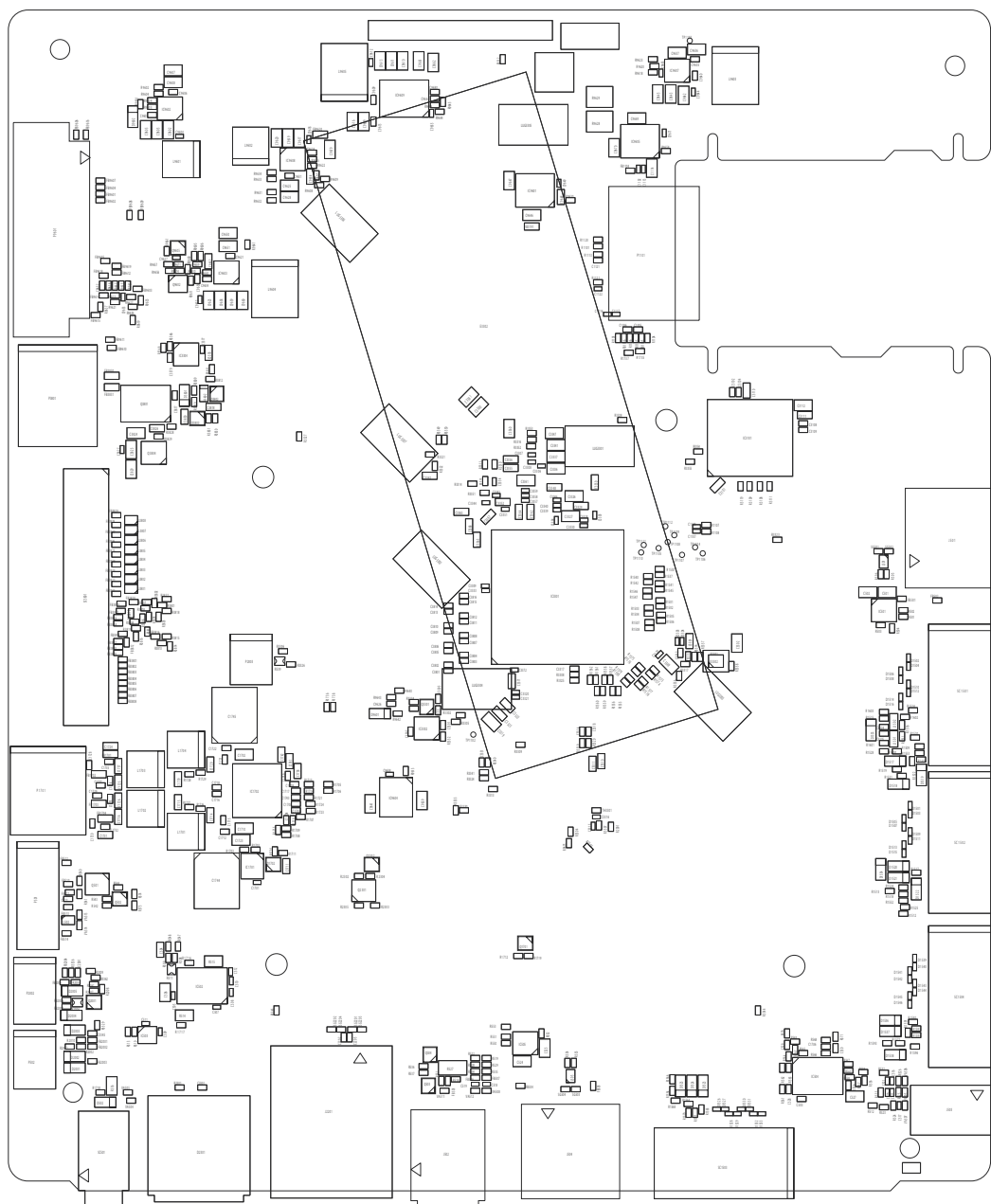
H219 SYMBOL 1



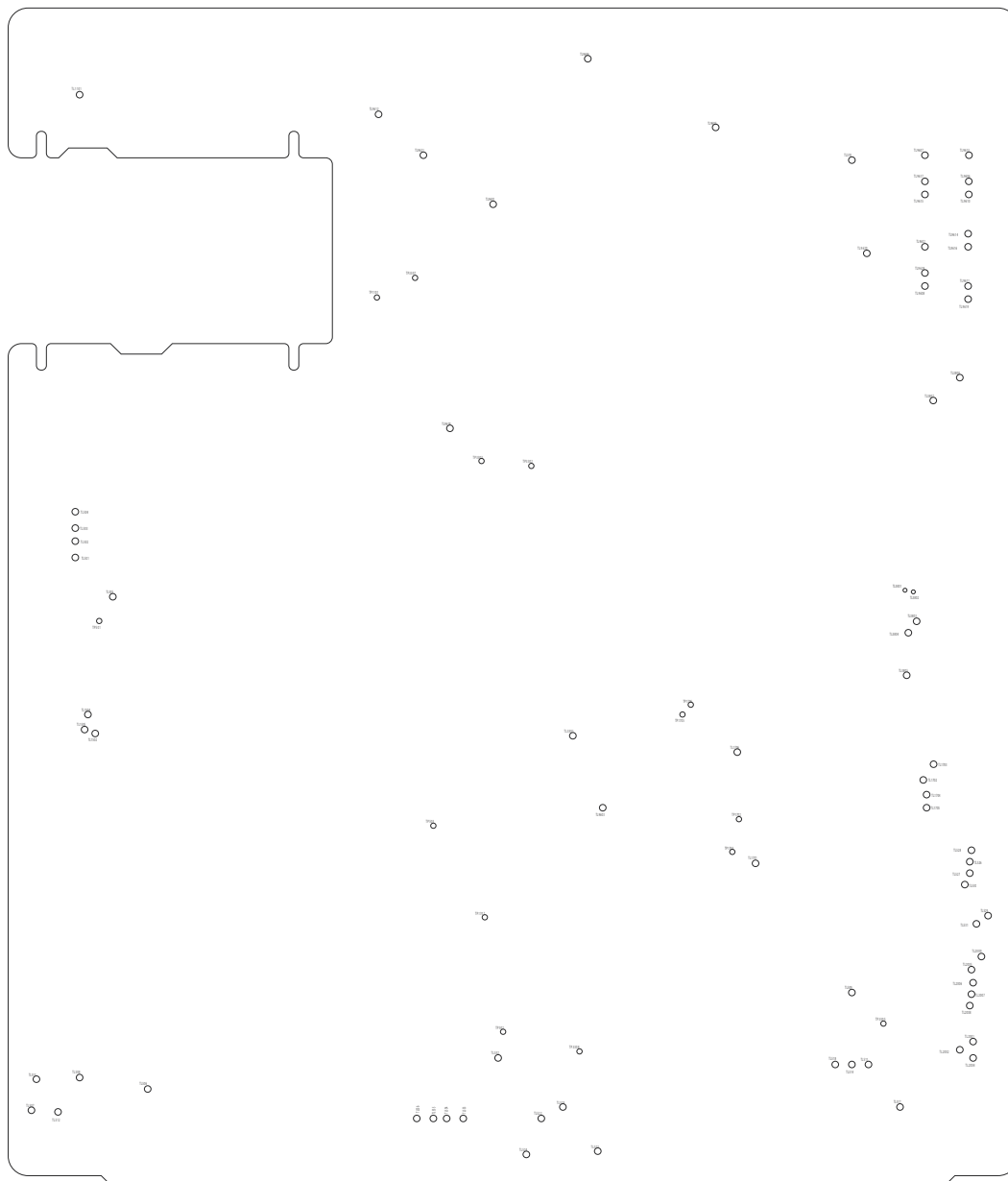
H219 SYMBOL 2



H219 CHIP 1



H219 CHIP 2



CHAPTER 8. MAJOR REMOVING PARTS

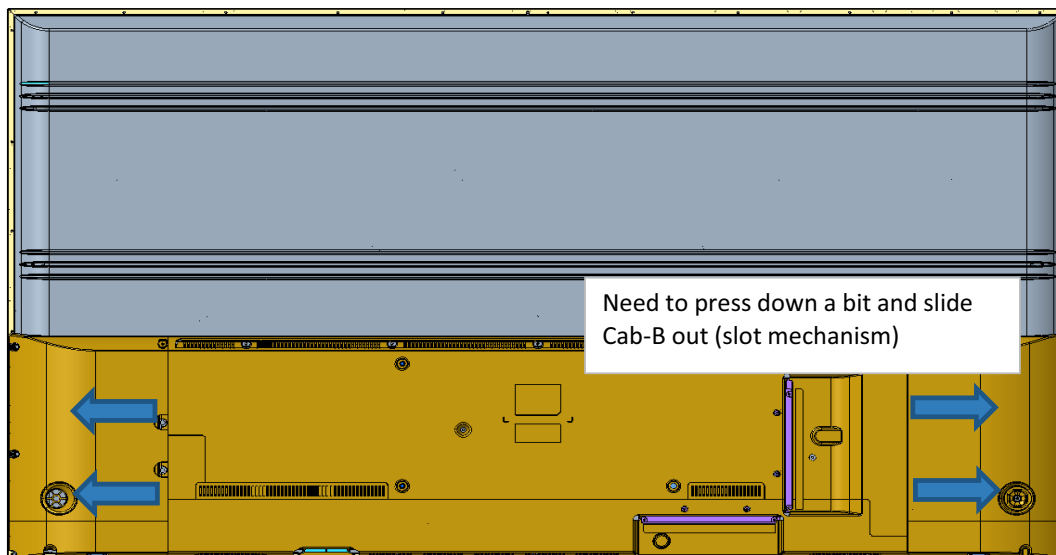
[1] MAJOR REMOVING PARTS

Assemble and Disassemble Cab-B 4T-C70DK1X

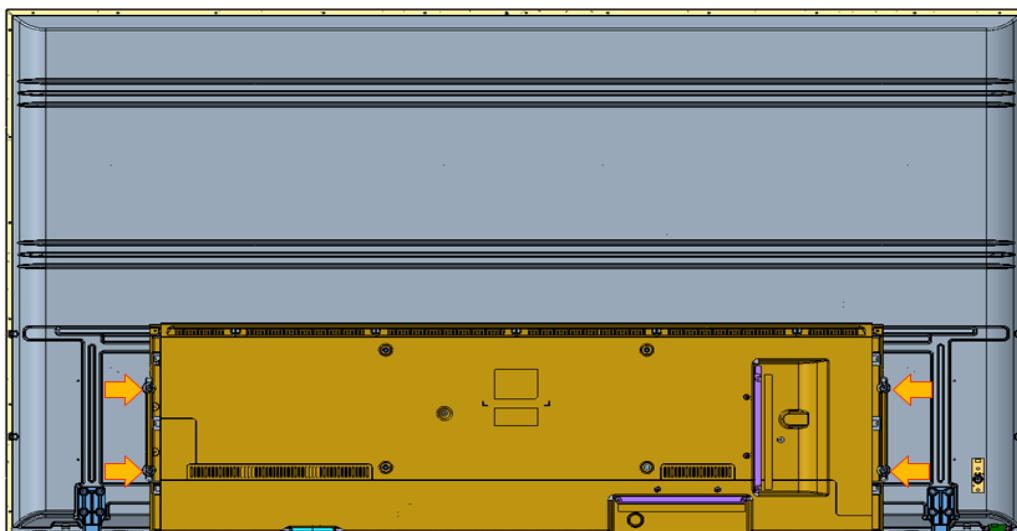
1. Unscrew the screw point (pointed by arrow)



2. Open up Cab-B Left and Cab-B Right



3. Unscrew the remaining screw point (Centre Cab-B)



SHARP PARTS GUIDE

No. S72M754T-C70DK1XT



LED BACKLIGHT TV MODEL :4T-C70DK1X (Taiwan)

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- | | |
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C70DK1X) |
| [2] LCD PANEL | [6] PACKING PARTS NOT REPLACE-
MENT ITEM (4T-C70DK1X) |
| [3] MAIN UNIT (DKEYMH219FM02) | |
| [4] CABINET & MECHANICAL PARTS
(4T-C70DK1X) | |

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

[1] PRINTED WIRING BOARD ASSEMBLIES

N	DKEYMH219FM02			V	MAIN UNIT (T)
N	RUNTKB731WJQZ2	AR		V	KEY UNIT
N	DUNTKH135FMA2	AW		V	LED IR UNIT
N	DUNTK0334WMB4			V	T CON
N	RUNTKC009WJN1	BE		V	WIFI UNIT
N	RUNTKB823WJZZ	BZ		V	LED BAR
N	RUNTKB856WJN1	BZ		V	POWER UNIT
N	RUNTKC009WJN1	BE		V	WIFI UNIT
N	QCNW-R969WJPZ			V	PT WIRE
N	QCNW-T328WJPZ	AU		V	WIFI WIRE

[2] LCD PANEL

N	KSETLA764WJ20			V	N-KIT MODULE
N	R1JE695R3HB9FK			V	OPEN CELL PANEL
N	CLCDDTA679WE07			V	PANEL ASSY

[3] MAIN UNIT (DKEYMH219FM02)

IC3101	RH-iXE079WJQZQ			V	KLM8G1GETF-B041006
SC3801	QCNCWB143WJQZY	AK		V	CONNECTOR
LUG3301	QEARBA062WJZZY	AD		V	GROUND-PART
LUG3303	QEARBA062WJZZY	AD		V	GROUND-PART
LUG3304	QEARBA062WJZZY	AD		V	GROUND-PART
LUG3306	QEARBA062WJZZY	AD		V	GROUND-PART
J502	QJAKEA138WJQZY	AH		V	JACK
SC501	QJAKEA145WJN1Q			V	JACK
J503	QJAKJA054WJQZY	AD		V	JACK
J2201	QJAKZA164WJQZQ	AP		V	JACK
P1701	QPLGNB092WJZZY	AD		V	PLUG
P2003	QPLGNB148WJZZY	AC		V	PLUG
P502	QPLGNB149WJZZY	AC		V	PLUG
P2002	QPLGNB150WJZZY	AC		V	PLUG
P3801	QPLGNB242WJZZY	AD		V	PLUG
P501	QPLGNB260WJZZY	AC		V	PLUG
P9601	QPLGNB360WJZZY	AD		V	PLUG
J501	QSOCZA460WJQZY	AD		V	SOCKET
J504	QSOCZA460WJQZY	AD		V	SOCKET
SC1501	QSOCZA463WJQZY	AE		V	SOCKET
SC1502	QSOCZA463WJQZY	AE		V	SOCKET
SC1503	QSOCZA463WJQZY	AE		V	SOCKET
SC1504	QSOCZA463WJQZY	AE		V	SOCKET
FB1701	RBLN-A371WJQZY	AB		V	BALUN
FB1702	RBLN-A371WJQZY	AB		V	BALUN
FB1703	RBLN-A371WJQZY	AB		V	BALUN
FB1704	RBLN-A371WJQZY	AB		V	BALUN
FB3191	RBLN-A371WJQZY	AB		V	BALUN
FB3830	RBLN-A371WJQZY	AB		V	BALUN
FB3831	RBLN-A371WJQZY	AB		V	BALUN
FB9620	RBLN-A371WJQZY	AB		V	BALUN
FB501	RBLN-A589WJQZY	AA		V	BALUN
FB502	RBLN-A589WJQZY	AA		V	BALUN
FB504	RBLN-A589WJQZY	AA		V	BALUN
FB505	RBLN-A589WJQZY	AA		V	BALUN
FB511	RBLN-A589WJQZY	AA		V	BALUN
FB9601	RBLN-A589WJQZY	AA		V	BALUN
FB9602	RBLN-A589WJQZY	AA		V	BALUN
FB9604	RBLN-A589WJQZY	AA		V	BALUN
FB9606	RBLN-A589WJQZY	AA		V	BALUN
FB9607	RBLN-A589WJQZY	AA		V	BALUN
FB9610	RBLN-A589WJQZY	AA		V	BALUN
FB9611	RBLN-A589WJQZY	AA		V	BALUN
FB9616	RBLN-A589WJQZY	AA		V	BALUN
FB1104	RBLN-A593WJQZY	AA		V	BALUN
FB1105	RBLN-A593WJQZY	AA		V	BALUN
FB1106	RBLN-A593WJQZY	AA		V	BALUN
FB2001	RBLN-A593WJQZY	AA		V	BALUN
FB2002	RBLN-A593WJQZY	AA		V	BALUN
FB2003	RBLN-A593WJQZY	AA		V	BALUN
FB2004	RBLN-A593WJQZY	AA		V	BALUN
FB2005	RBLN-A593WJQZY	AA		V	BALUN
FB2006	RBLN-A593WJQZY	AA		V	BALUN
FB2007	RBLN-A593WJQZY	AA		V	BALUN
FB3809	RBLN-A593WJQZY	AA		V	BALUN
FB3810	RBLN-A593WJQZY	AA		V	BALUN
FB3811	RBLN-A593WJQZY	AA		V	BALUN
FB3812	RBLN-A593WJQZY	AA		V	BALUN
FB3813	RBLN-A593WJQZY	AA		V	BALUN
FB3814	RBLN-A593WJQZY	AA		V	BALUN
FB3815	RBLN-A593WJQZY	AA		V	BALUN
FB3819	RBLN-A593WJQZY	AA		V	BALUN
FB3820	RBLN-A593WJQZY	AA		V	BALUN
FB3821	RBLN-A593WJQZY	AA		V	BALUN
FB3822	RBLN-A593WJQZY	AA		V	BALUN
FB3823	RBLN-A593WJQZY	AA		V	BALUN
FB3824	RBLN-A593WJQZY	AA		V	BALUN
FB3825	RBLN-A593WJQZY	AA		V	BALUN
FB3826	RBLN-A593WJQZY	AA		V	BALUN
FB3827	RBLN-A593WJQZY	AA		V	BALUN

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[3] MAIN UNIT (DKEYMH219FM02)					
FB3828	RBLN-A593WJQZY	AA		V	BALUN
FB3829	RBLN-A593WJQZY	AA		V	BALUN
FB510	RBLN-A593WJQZY	AA		V	BALUN
FB512	RBLN-A593WJQZY	AA		V	BALUN
FB513	RBLN-A593WJQZY	AA		V	BALUN
FB514	RBLN-A593WJQZY	AA		V	BALUN
FB9603	RBLN-A593WJQZY	AA		V	BALUN
FB9605	RBLN-A593WJQZY	AA		V	BALUN
FB9612	RBLN-A593WJQZY	AA		V	BALUN
FB9614	RBLN-A593WJQZY	AA		V	BALUN
FB9615	RBLN-A593WJQZY	AA		V	BALUN
FB506	RBLN-A692WJZZY			V	BALUN
FB507	RBLN-A692WJZZY			V	BALUN
FB503	RBLN-A693WJQZY			V	BALUN
C3101	RC-KZA691WJZZY	AB		V	CAPACITOR
C3110	RC-KZA691WJZZY	AB		V	CAPACITOR
C3111	RC-KZA691WJZZY	AB		V	CAPACITOR
C3301	RC-KZA691WJZZY	AB		V	CAPACITOR
C3310	RC-KZA691WJZZY	AB		V	CAPACITOR
C3311	RC-KZA691WJZZY	AB		V	CAPACITOR
C3322	RC-KZA691WJZZY	AB		V	CAPACITOR
C3323	RC-KZA691WJZZY	AB		V	CAPACITOR
C3329	RC-KZA691WJZZY	AB		V	CAPACITOR
C3342	RC-KZA691WJZZY	AB		V	CAPACITOR
C3350	RC-KZA691WJZZY	AB		V	CAPACITOR
C3352	RC-KZA691WJZZY	AB		V	CAPACITOR
C3355	RC-KZA691WJZZY	AB		V	CAPACITOR
C3356	RC-KZA691WJZZY	AB		V	CAPACITOR
C3371	RC-KZA691WJZZY	AB		V	CAPACITOR
C3362	RC-KZA936WJZZY	AA		V	CAPACITOR
C3363	RC-KZA936WJZZY	AA		V	CAPACITOR
C3364	RC-KZA936WJZZY	AA		V	CAPACITOR
C3365	RC-KZA936WJZZY	AA		V	CAPACITOR
C3367	RC-KZA936WJZZY	AA		V	CAPACITOR
C3368	RC-KZA936WJZZY	AA		V	CAPACITOR
C9654	RC-KZA936WJZZY	AA		V	CAPACITOR
C3348	RC-KZA940WJQZY	AB		V	CAPACITOR
C1702	RC-KZA980WJQZY	AB		V	CAPACITOR
C1710	RC-KZA980WJQZY	AB		V	CAPACITOR
C1723	RC-KZA980WJQZY	AB		V	CAPACITOR
C9607	RC-KZA980WJQZY	AB		V	CAPACITOR
C9608	RC-KZA980WJQZY	AB		V	CAPACITOR
C9616	RC-KZA980WJQZY	AB		V	CAPACITOR
C9628	RC-KZA980WJQZY	AB		V	CAPACITOR
C9629	RC-KZA980WJQZY	AB		V	CAPACITOR
C9636	RC-KZA980WJQZY	AB		V	CAPACITOR
C9650	RC-KZA980WJQZY	AB		V	CAPACITOR
C9651	RC-KZA980WJQZY	AB		V	CAPACITOR
C3378	RC-KZB032WJZZY	AA		V	CAPACITOR
C1738	RC-KZB125WJQZY	AD		V	CAPACITOR
C1741	RC-KZB125WJQZY	AD		V	CAPACITOR
C1742	RC-KZB125WJQZY	AD		V	CAPACITOR
C9623	RC-KZB127WJQZY	AC		V	CAPACITOR
C9658	RC-KZB127WJQZY	AC		V	CAPACITOR
C9659	RC-KZB127WJQZY	AC		V	CAPACITOR
C9660	RC-KZB127WJQZY	AC		V	CAPACITOR
C9661	RC-KZB127WJQZY	AC		V	CAPACITOR
C9662	RC-KZB127WJQZY	AC		V	CAPACITOR
C1114	RC-KZB134WJQZY	AA		V	CAPACITOR
C3112	RC-KZB134WJQZY	AA		V	CAPACITOR
C3302	RC-KZB134WJQZY	AA		V	CAPACITOR
C3319	RC-KZB134WJQZY	AA		V	CAPACITOR
C3326	RC-KZB134WJQZY	AA		V	CAPACITOR
C3327	RC-KZB134WJQZY	AA		V	CAPACITOR
C3336	RC-KZB134WJQZY	AA		V	CAPACITOR
C3337	RC-KZB134WJQZY	AA		V	CAPACITOR
C3341	RC-KZB134WJQZY	AA		V	CAPACITOR
C3360	RC-KZB134WJQZY	AA		V	CAPACITOR
C3361	RC-KZB134WJQZY	AA		V	CAPACITOR
C3369	RC-KZB134WJQZY	AA		V	CAPACITOR
C501	RC-KZB134WJQZY	AA		V	CAPACITOR
C502	RC-KZB134WJQZY	AA		V	CAPACITOR
C506	RC-KZB134WJQZY	AA		V	CAPACITOR
C524	RC-KZB134WJQZY	AA		V	CAPACITOR
C525	RC-KZB134WJQZY	AA		V	CAPACITOR
C527	RC-KZB134WJQZY	AA		V	CAPACITOR
C9602	RC-KZB134WJQZY	AA		V	CAPACITOR
C9603	RC-KZB134WJQZY	AA		V	CAPACITOR
C9605	RC-KZB134WJQZY	AA		V	CAPACITOR
C9610	RC-KZB134WJQZY	AA		V	CAPACITOR
C9611	RC-KZB134WJQZY	AA		V	CAPACITOR
C9613	RC-KZB134WJQZY	AA		V	CAPACITOR
C9617	RC-KZB134WJQZY	AA		V	CAPACITOR
C9619	RC-KZB134WJQZY	AA		V	CAPACITOR
C9639	RC-KZB134WJQZY	AA		V	CAPACITOR

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
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C9643	RC-KZB134WJQZY	AA		V	CAPACITOR
C9645	RC-KZB134WJQZY	AA		V	CAPACITOR
C9646	RC-KZB134WJQZY	AA		V	CAPACITOR
C9647	RC-KZB134WJQZY	AA		V	CAPACITOR
C9669	RC-KZB134WJQZY	AA		V	CAPACITOR
C9670	RC-KZB134WJQZY	AA		V	CAPACITOR
C9679	RC-KZB134WJQZY	AA		V	CAPACITOR
C3316	RC-KZB143WJQZY	AA		V	CAPACITOR
C505	RC-KZB143WJQZY	AA		V	CAPACITOR
C517	RC-KZB143WJQZY	AA		V	CAPACITOR
C520	RC-KZB143WJQZY	AA		V	CAPACITOR
C521	RC-KZB143WJQZY	AA		V	CAPACITOR
C9638	RC-KZB143WJQZY	AA		V	CAPACITOR
C9649	RC-KZB143WJQZY	AA		V	CAPACITOR
C9671	RC-KZB143WJQZY	AA		V	CAPACITOR
C1102	RC-KZB146WJQZY	AA		V	CAPACITOR
C1107	RC-KZB146WJQZY	AA		V	CAPACITOR
C1108	RC-KZB146WJQZY	AA		V	CAPACITOR
C3303	RC-KZB146WJQZY	AA		V	CAPACITOR
C3304	RC-KZB146WJQZY	AA		V	CAPACITOR
C3305	RC-KZB146WJQZY	AA		V	CAPACITOR
C3307	RC-KZB146WJQZY	AA		V	CAPACITOR
C3309	RC-KZB146WJQZY	AA		V	CAPACITOR
C3315	RC-KZB146WJQZY	AA		V	CAPACITOR
C3320	RC-KZB146WJQZY	AA		V	CAPACITOR
C3321	RC-KZB146WJQZY	AA		V	CAPACITOR
C3328	RC-KZB146WJQZY	AA		V	CAPACITOR
C3333	RC-KZB146WJQZY	AA		V	CAPACITOR
C3338	RC-KZB146WJQZY	AA		V	CAPACITOR
C3339	RC-KZB146WJQZY	AA		V	CAPACITOR
C3340	RC-KZB146WJQZY	AA		V	CAPACITOR
C3343	RC-KZB146WJQZY	AA		V	CAPACITOR
C3351	RC-KZB146WJQZY	AA		V	CAPACITOR
C3357	RC-KZB146WJQZY	AA		V	CAPACITOR
C3358	RC-KZB146WJQZY	AA		V	CAPACITOR
C3359	RC-KZB146WJQZY	AA		V	CAPACITOR
C3370	RC-KZB146WJQZY	AA		V	CAPACITOR
C3372	RC-KZB146WJQZY	AA		V	CAPACITOR
C507	RC-KZB146WJQZY	AA		V	CAPACITOR
C508	RC-KZB146WJQZY	AA		V	CAPACITOR
C509	RC-KZB146WJQZY	AA		V	CAPACITOR
C510	RC-KZB146WJQZY	AA		V	CAPACITOR
C512	RC-KZB146WJQZY	AA		V	CAPACITOR
C9604	RC-KZB146WJQZY	AA		V	CAPACITOR
C9612	RC-KZB146WJQZY	AA		V	CAPACITOR
C9618	RC-KZB146WJQZY	AA		V	CAPACITOR
C9622	RC-KZB146WJQZY	AA		V	CAPACITOR
C9627	RC-KZB146WJQZY	AA		V	CAPACITOR
C9633	RC-KZB146WJQZY	AA		V	CAPACITOR
C9644	RC-KZB146WJQZY	AA		V	CAPACITOR
C1706	RC-KZB391WJQZY	AC		V	CAPACITOR
C1707	RC-KZB391WJQZY	AC		V	CAPACITOR
C3324	RC-KZB391WJQZY	AC		V	CAPACITOR
C3325	RC-KZB391WJQZY	AC		V	CAPACITOR
C3379	RC-KZB391WJQZY	AC		V	CAPACITOR
C503	RC-KZB391WJQZY	AC		V	CAPACITOR
C526	RC-KZB391WJQZY	AC		V	CAPACITOR
C528	RC-KZB391WJQZY	AC		V	CAPACITOR
C529	RC-KZB391WJQZY	AC		V	CAPACITOR
C530	RC-KZB391WJQZY	AC		V	CAPACITOR
C9680	RC-KZB391WJQZY	AC		V	CAPACITOR
C1704	RC-KZB394WJQZY	AB		V	CAPACITOR
C1712	RC-KZB394WJQZY	AB		V	CAPACITOR
C1722	RC-KZB394WJQZY	AB		V	CAPACITOR
C1732	RC-KZB394WJQZY	AB		V	CAPACITOR
C1733	RC-KZB394WJQZY	AB		V	CAPACITOR
C1734	RC-KZB394WJQZY	AB		V	CAPACITOR
C1735	RC-KZB394WJQZY	AB		V	CAPACITOR
C1739	RC-KZB394WJQZY	AB		V	CAPACITOR
C3817	RC-KZB394WJQZY	AB		V	CAPACITOR
C9601	RC-KZB394WJQZY	AB		V	CAPACITOR
C9606	RC-KZB394WJQZY	AB		V	CAPACITOR
C9609	RC-KZB394WJQZY	AB		V	CAPACITOR
C9615	RC-KZB394WJQZY	AB		V	CAPACITOR
C9621	RC-KZB394WJQZY	AB		V	CAPACITOR
C9624	RC-KZB394WJQZY	AB		V	CAPACITOR
C9631	RC-KZB394WJQZY	AB		V	CAPACITOR
C9634	RC-KZB394WJQZY	AB		V	CAPACITOR
C9635	RC-KZB394WJQZY	AB		V	CAPACITOR
C9640	RC-KZB394WJQZY	AB		V	CAPACITOR
C1724	RC-KZC742WJQZY	AB		V	CAPACITOR
C1725	RC-KZC742WJQZY	AB		V	CAPACITOR
C1726	RC-KZC742WJQZY	AB		V	CAPACITOR
C1731	RC-KZC742WJQZY	AB		V	CAPACITOR

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[3] MAIN UNIT (DKEYMH219FM02)					
C9652	RC-KZC742WJQZY	AB		V	CAPACITOR
L3801	RCiLFA154WJZZY	AC		V	COIL
L3802	RCiLFA154WJZZY	AC		V	COIL
L3803	RCiLFA154WJZZY	AC		V	COIL
L3804	RCiLFA154WJZZY	AC		V	COIL
L3805	RCiLFA154WJZZY	AC		V	COIL
L3806	RCiLFA154WJZZY	AC		V	COIL
L3807	RCiLFA154WJZZY	AC		V	COIL
L3808	RCiLFA154WJZZY	AC		V	COIL
L501	RCiLFA154WJZZY	AC		V	COIL
L502	RCiLFA154WJZZY	AC		V	COIL
L503	RCiLFA154WJZZY	AC		V	COIL
L9601	RCiLPB409WJQZY	AC		V	COIL
L9602	RCiLPB409WJQZY	AC		V	COIL
L1701	RCiLPB412WJQZY	AC		V	COIL
L1702	RCiLPB412WJQZY	AC		V	COIL
L1703	RCiLPB412WJQZY	AC		V	COIL
L1704	RCiLPB412WJQZY	AC		V	COIL
L9603	RCiLPB557WJQZY	AD		V	COIL
L9604	RCiLPB557WJQZY	AD		V	COIL
L9605	RCiLPB557WJQZY	AD		V	COIL
X3301	RCRSCA274WJQZY	AD		V	CRYSTAL
D1517	RH-EXA969WJQZY	AB		V	MM3Z5B6-HAF
D1518	RH-EXA969WJQZY	AB		V	MM3Z5B6-HAF
D1519	RH-EXA969WJQZY	AB		V	MM3Z5B6-HAF
D1520	RH-EXA969WJQZY	AB		V	MM3Z5B6-HAF
D1521	RH-EXA969WJQZY	AB		V	MM3Z5B6-HAF
D1522	RH-EXA969WJQZY	AB		V	MM3Z5B6-HAF
D1523	RH-EXA969WJQZY	AB		V	MM3Z5B6-HAF
D1524	RH-EXA969WJQZY	AB		V	MM3Z5B6-HAF
D1525	RH-EXA969WJQZY	AB		V	MM3Z5B6-HAF
D1534	RH-EXA969WJQZY	AB		V	MM3Z5B6-HAF
D1536	RH-EXA969WJQZY	AB		V	MM3Z5B6-HAF
D1537	RH-EXA969WJQZY	AB		V	MM3Z5B6-HAF
D1538	RH-EXA969WJQZY	AB		V	MM3Z5B6-HAF
D2004	RH-EXA969WJQZY	AB		V	MM3Z5B6-HAF
D2005	RH-EXA969WJQZY	AB		V	MM3Z5B6-HAF
D502	RH-EXA969WJQZY	AB		V	MM3Z5B6-HAF
D9601	RH-EXA969WJQZY	AB		V	MM3Z5B6-HAF
D3801	RH-EXA990WJQZY	AB		V	MM3ZB16-HAF
TH3301	RH-HXA047WJQZY	AB		V	NTCG103JF103HT
IC501	RH-iXD983WJN1Y	AD		V	FP6861E-A1S6CTR
IC505	RH-iXD983WJN1Y	AD		V	FP6861E-A1S6CTR
IC3301	RH-iXE260WJQZQ			V	MT9685IAAT/GBZA
D2301	RH-PXA267WJQZY	AG		V	PT113-F07A8BE-C
VA507	RH-VXA005WJZZY	AA		V	AVR-M1005C270MTABB
C3331	VCCCCZ1HH101JY	AB		V	100p 50V Ceramic
C9663	VCCCCZ1HH101JY	AB		V	100p 50V Ceramic
C1105	VCCCCZ1HH220JY	AB		V	22p 50V Ceramic
C1106	VCCCCZ1HH220JY	AB		V	22p 50V Ceramic
C9626	VCCCCZ1HH331JY	AA		V	330p 50V Ceramic
C3312	VCCCCZ1HH8R0DY	AA		V	80p 50V Ceramic
C3313	VCCCCZ1HH8R0DY	AA		V	80p 50V Ceramic
C1744	VCEASY1EN107MY	AC		V	100 25V Electrolytic
C1745	VCEASY1EN107MY	AC		V	100 25V Electrolytic
C1113	VCKYCD1EB102KY	AA		V	1000p 25V Ceramic
C3308	VCKYCD1EB102KY	AA		V	1000p 25V Ceramic
C3334	VCKYCD1EB102KY	AA		V	1000p 25V Ceramic
C511	VCKYCD1EB102KY	AA		V	1000p 25V Ceramic
C515	VCKYCD1EB102KY	AA		V	1000p 25V Ceramic
C516	VCKYCD1EB102KY	AA		V	1000p 25V Ceramic
C518	VCKYCD1EB102KY	AA		V	1000p 25V Ceramic
C519	VCKYCD1EB102KY	AA		V	1000p 25V Ceramic
C1736	VCKYCY1EB104KY	AB		V	0.10 25V Ceramic
C1737	VCKYCY1EB104KY	AB		V	0.10 25V Ceramic
C2301	VCKYCY1AB104KY	AB		V	0.10 10V Ceramic
C3102	VCKYCY1AB104KY	AB		V	0.10 10V Ceramic
C3104	VCKYCY1AB104KY	AB		V	0.10 10V Ceramic
C3108	VCKYCY1AB104KY	AB		V	0.10 10V Ceramic
C3109	VCKYCY1AB104KY	AB		V	0.10 10V Ceramic
C3801	VCKYCY1AB104KY	AB		V	0.10 10V Ceramic
C3802	VCKYCY1AB104KY	AB		V	0.10 10V Ceramic
C3803	VCKYCY1AB104KY	AB		V	0.10 10V Ceramic
C3804	VCKYCY1AB104KY	AB		V	0.10 10V Ceramic
C3805	VCKYCY1AB104KY	AB		V	0.10 10V Ceramic
C3806	VCKYCY1AB104KY	AB		V	0.10 10V Ceramic
C3807	VCKYCY1AB104KY	AB		V	0.10 10V Ceramic
C3808	VCKYCY1AB104KY	AB		V	0.10 10V Ceramic
C3809	VCKYCY1AB104KY	AB		V	0.10 10V Ceramic
C3810	VCKYCY1AB104KY	AB		V	0.10 10V Ceramic
C3811	VCKYCY1AB104KY	AB		V	0.10 10V Ceramic
C3812	VCKYCY1AB104KY	AB		V	0.10 10V Ceramic
C3813	VCKYCY1AB104KY	AB		V	0.10 10V Ceramic
C3814	VCKYCY1AB104KY	AB		V	0.10 10V Ceramic
C3815	VCKYCY1AB104KY	AB		V	0.10 10V Ceramic

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[3] MAIN UNIT (DKEYMH219FM02)					
C3816	VCKYCZ1AB104KY	AB		V	0.10 10V Ceramic
C1121	VCKYCZ1CB223KY	AC		V	0.022 16V Ceramic
C1713	VCKYCZ1CB223KY	AC		V	0.022 16V Ceramic
C1716	VCKYCZ1CB223KY	AC		V	0.022 16V Ceramic
C1718	VCKYCZ1CB223KY	AC		V	0.022 16V Ceramic
C1721	VCKYCZ1CB223KY	AC		V	0.022 16V Ceramic
C2001	VCKYCZ1CB223KY	AC		V	0.022 16V Ceramic
C3314	VCKYCZ1CB473KY	AA		V	0.047 16V Ceramic
C3318	VCKYCZ1CB473KY	AA		V	0.047 16V Ceramic
C2202	VCKYCZ1EB103KY	AA		V	0.010 25V Ceramic
C2203	VCKYCZ1EB103KY	AA		V	0.010 25V Ceramic
C522	VCKYCZ1EB103KY	AA		V	0.010 25V Ceramic
D3802	VHDL1SS4001-1Y	AB		V	L1SS400T1G
IC9601	VHi13A1C18U-1Y	AC		V	S-13A1C18-U5T1U3
IC9604	VHi13A1C33U-1Y	AD		V	S-13A1C33-U5T1U3
IC9605	VHi3479A33P-1Y	AD		V	MM3479A33PRE
IC504	VHiAD22653B-1Y			V	AD22653B-QH14NAR
IC1702	VHiAD82088R-1Y			V	
IC503	VHiAHT1G08W-1Y	AD		V	74AHCT1G08GW/G,125
IC9603	VHiFR9208+-1Y	AG		V	
IC9608	VHiFR9853T+-1Y	AE		V	FR9853TS9
IC502	VHiM3221EiP-1Y	AK		V	MAX3221EIPWRG4
IC9609	VHiMSH6103A-1Y			V	MSH6103A
IC9602	VHiN1708041-1Y			V	SN1708041DDCR
IC9607	VHiPS565201-1Y	AG		V	TPS565201DDCR
IC3304	VHiT3840L25-1Y			V	TPS3840PL25DBVR
L1501	VPMTN100J1R5NY	AB		V	Peaking 10μH
L1502	VPMTN100J1R5NY	AB		V	Peaking 10μH
R511	VRK-SA1JF101JY	AC		V	100 1/16W Metal Composition
R539	VRK-SA1JF472JY	AA		V	4.7k 1/16W Metal Composition
R1107	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1108	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1113	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1501	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1502	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1503	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1504	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1505	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1506	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1507	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1508	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1533	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1537	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1540	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1541	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1542	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1545	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1546	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1547	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1555	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1556	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1557	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1558	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1559	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1560	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1561	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1562	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1573	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1574	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1575	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1576	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1577	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1578	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1579	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1590	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1736	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1738	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R2009	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R3312	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R3313	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R3317	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R3321	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R3322	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R3327	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R3328	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R3344	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R3345	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R3348	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R3356	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R3366	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R3811	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R505	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R506	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R518	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R523	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[3] MAIN UNIT (DKEYMH219FM02)					
R554	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R555	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R570	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R571	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R9603	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R9613	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R9631	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R9632	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R9640	VRS-CZ1JF000JY	AA		V	0 1/16W Metal Oxide
R1513	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R1514	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R1519	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R1521	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R1524	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R1552	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R1553	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R1554	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R1564	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R1565	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R1572	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R1591	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R1592	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R1713	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R1714	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R1721	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R1723	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R1724	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R2001	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R2005	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R3306	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R3326	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R3330	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R3803	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R3804	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R510	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R547	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R548	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R9612	VRS-CZ1JF101JY	AA		V	100 1/16W Metal Oxide
R2002	VRS-CZ1JF102FY	AA		V	1.0k 1/16W Metal Oxide
R3314	VRS-CZ1JF102FY	AA		V	1.0k 1/16W Metal Oxide
R3315	VRS-CZ1JF102FY	AA		V	1.0k 1/16W Metal Oxide
R3316	VRS-CZ1JF102FY	AA		V	1.0k 1/16W Metal Oxide
R3352	VRS-CZ1JF102FY	AA		V	1.0k 1/16W Metal Oxide
R9646	VRS-CZ1JF102FY	AA		V	1.0k 1/16W Metal Oxide
R503	VRS-CZ1JF102JY	AA		V	1.0k 1/16W Metal Oxide
R525	VRS-CZ1JF102JY	AA		V	1.0k 1/16W Metal Oxide
R526	VRS-CZ1JF102JY	AA		V	1.0k 1/16W Metal Oxide
R552	VRS-CZ1JF102JY	AA		V	1.0k 1/16W Metal Oxide
R557	VRS-CZ1JF102JY	AA		V	1.0k 1/16W Metal Oxide
R9617	VRS-CZ1JF102JY	AA		V	1.0k 1/16W Metal Oxide
R9621	VRS-CZ1JF102JY	AA		V	1.0k 1/16W Metal Oxide
R9642	VRS-CZ1JF102JY	AA		V	1.0k 1/16W Metal Oxide
R9643	VRS-CZ1JF102JY	AA		V	1.0k 1/16W Metal Oxide
R9656	VRS-CZ1JF102JY	AA		V	1.0k 1/16W Metal Oxide
R9604	VRS-CZ1JF103FY	AB		V	10k 1/16W Metal Oxide
R9607	VRS-CZ1JF103FY	AB		V	10k 1/16W Metal Oxide
R9645	VRS-CZ1JF103FY	AB		V	10k 1/16W Metal Oxide
R1101	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R1604	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R1707	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R1712	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R3111	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R3119	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R3323	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R3807	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R3808	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R3810	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R504	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R512	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R528	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R529	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R536	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R537	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R541	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R553	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R559	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R561	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R562	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R564	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R565	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R566	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R567	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R9618	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R9627	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R9637	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide

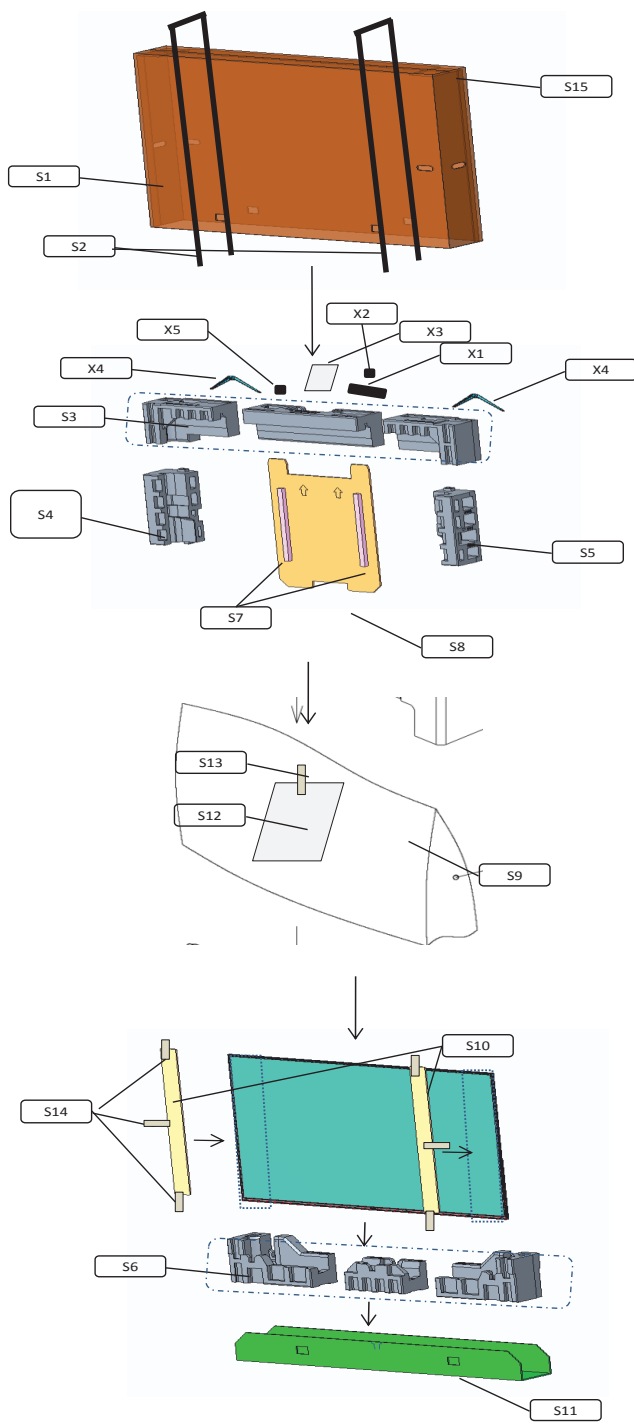
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[3] MAIN UNIT (DKEYMH219FM02)					
R9641	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R9650	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R9661	VRS-CZ1JF103JY	AA		V	10k 1/16W Metal Oxide
R9657	VRS-CZ1JF104FY	AB		V	100k 1/16W Metal Oxide
R1709	VRS-CZ1JF104JY	AA		V	100k 1/16W Metal Oxide
R9601	VRS-CZ1JF104JY	AA		V	100k 1/16W Metal Oxide
R9615	VRS-CZ1JF104JY	AA		V	100k 1/16W Metal Oxide
R9622	VRS-CZ1JF104JY	AA		V	100k 1/16W Metal Oxide
R9630	VRS-CZ1JF104JY	AA		V	100k 1/16W Metal Oxide
R9644	VRS-CZ1JF104JY	AA		V	100k 1/16W Metal Oxide
R9658	VRS-CZ1JF104JY	AA		V	100k 1/16W Metal Oxide
R3318	VRS-CZ1JF105FY	AA		V	1.0M 1/16W Metal Oxide
R1602	VRS-CZ1JF122JY	AA		V	1.2k 1/16W Metal Oxide
R9620	VRS-CZ1JF123FY	AA		V	12k 1/16W Metal Oxide
R9606	VRS-CZ1JF124FY	AA		V	120k 1/16W Metal Oxide
R556	VRS-CZ1JF152JY	AA		V	1.5k 1/16W Metal Oxide
R501	VRS-CZ1JF153JY	AA		V	15k 1/16W Metal Oxide
R550	VRS-CZ1JF153JY	AA		V	15k 1/16W Metal Oxide
R1103	VRS-CZ1JF182JY	AA		V	1.8k 1/16W Metal Oxide
R1104	VRS-CZ1JF182JY	AA		V	1.8k 1/16W Metal Oxide
R519	VRS-CZ1JF183JY	AA		V	18k 1/16W Metal Oxide
R522	VRS-CZ1JF183JY	AA		V	18k 1/16W Metal Oxide
R1600	VRS-CZ1JF201JY	AA		V	200 1/16W Metal Oxide
R3108	VRS-CZ1JF220JY	AA		V	22 1/16W Metal Oxide
R3109	VRS-CZ1JF220JY	AA		V	22 1/16W Metal Oxide
R9619	VRS-CZ1JF222JY	AA		V	2.2k 1/16W Metal Oxide
R560	VRS-CZ1JF223JY	AA		V	22k 1/16W Metal Oxide
R563	VRS-CZ1JF223JY	AA		V	22k 1/16W Metal Oxide
R9659	VRS-CZ1JF224FY	AA		V	220k 1/16W Metal Oxide
R1710	VRS-CZ1JF224JY	AA		V	220k 1/16W Metal Oxide
R3310	VRS-CZ1JF241FY	AB		V	240 1/16W Metal Oxide
R3311	VRS-CZ1JF241FY	AB		V	240 1/16W Metal Oxide
R3354	VRS-CZ1JF241FY	AB		V	240 1/16W Metal Oxide
R3355	VRS-CZ1JF241FY	AB		V	240 1/16W Metal Oxide
R9660	VRS-CZ1JF274FY	AA		V	270k 1/16W Metal Oxide
R1512	VRS-CZ1JF330JY	AA		V	33 1/16W Metal Oxide
R1528	VRS-CZ1JF330JY	AA		V	33 1/16W Metal Oxide
R1568	VRS-CZ1JF330JY	AA		V	33 1/16W Metal Oxide
R1596	VRS-CZ1JF330JY	AA		V	33 1/16W Metal Oxide
R3319	VRS-CZ1JF330JY	AA		V	33 1/16W Metal Oxide
R532	VRS-CZ1JF330JY	AA		V	33 1/16W Metal Oxide
R533	VRS-CZ1JF330JY	AA		V	33 1/16W Metal Oxide
R2011	VRS-CZ1JF333FY	AA		V	33k 1/16W Metal Oxide
R3329	VRS-CZ1JF333FY	AA		V	33k 1/16W Metal Oxide
R9610	VRS-CZ1JF333FY	AA		V	33k 1/16W Metal Oxide
R558	VRS-CZ1JF333JY	AA		V	33k 1/16W Metal Oxide
R3340	VRS-CZ1JF470JY	AA		V	47 1/16W Metal Oxide
R2008	VRS-CZ1JF471JY	AA		V	470 1/16W Metal Oxide
R1705	VRS-CZ1JF472FY	AA		V	4.7k 1/16W Metal Oxide
R1706	VRS-CZ1JF472FY	AA		V	4.7k 1/16W Metal Oxide
R9605	VRS-CZ1JF472FY	AA		V	4.7k 1/16W Metal Oxide
R3303	VRS-CZ1JF472JY	AA		V	4.7k 1/16W Metal Oxide
R3304	VRS-CZ1JF472JY	AA		V	4.7k 1/16W Metal Oxide
R3309	VRS-CZ1JF472JY	AA		V	4.7k 1/16W Metal Oxide
R3335	VRS-CZ1JF472JY	AA		V	4.7k 1/16W Metal Oxide
R3336	VRS-CZ1JF472JY	AA		V	4.7k 1/16W Metal Oxide
R3341	VRS-CZ1JF472JY	AA		V	4.7k 1/16W Metal Oxide
R3349	VRS-CZ1JF472JY	AA		V	4.7k 1/16W Metal Oxide
R3350	VRS-CZ1JF472JY	AA		V	4.7k 1/16W Metal Oxide
R3362	VRS-CZ1JF472JY	AA		V	4.7k 1/16W Metal Oxide
R3831	VRS-CZ1JF472JY	AA		V	4.7k 1/16W Metal Oxide
R508	VRS-CZ1JF472JY	AA		V	4.7k 1/16W Metal Oxide
R509	VRS-CZ1JF472JY	AA		V	4.7k 1/16W Metal Oxide
R9614	VRS-CZ1JF472JY	AA		V	4.7k 1/16W Metal Oxide
R9675	VRS-CZ1JF472JY	AA		V	4.7k 1/16W Metal Oxide
R1509	VRS-CZ1JF473JY	AA		V	47k 1/16W Metal Oxide
R1517	VRS-CZ1JF473JY	AA		V	47k 1/16W Metal Oxide
R1518	VRS-CZ1JF473JY	AA		V	47k 1/16W Metal Oxide
R1520	VRS-CZ1JF473JY	AA		V	47k 1/16W Metal Oxide
R1570	VRS-CZ1JF473JY	AA		V	47k 1/16W Metal Oxide
R1571	VRS-CZ1JF473JY	AA		V	47k 1/16W Metal Oxide
R1594	VRS-CZ1JF473JY	AA		V	47k 1/16W Metal Oxide
R1595	VRS-CZ1JF473JY	AA		V	47k 1/16W Metal Oxide
R2301	VRS-CZ1JF473JY	AA		V	47k 1/16W Metal Oxide
R3809	VRS-CZ1JF473JY	AA		V	47k 1/16W Metal Oxide
R9611	VRS-CZ1JF510FY	AA		V	51 1/16W Metal Oxide
R1601	VRS-CZ1JF512JY	AA		V	5.1k 1/16W Metal Oxide
R1603	VRS-CZ1JF512JY	AA		V	5.1k 1/16W Metal Oxide
R2010	VRS-CZ1JF562FY	AA		V	5.6k 1/16W Metal Oxide
R9602	VRS-CZ1JF563FY	AA		V	56k 1/16W Metal Oxide
R3320	VRS-CZ1JF680JY	AB		V	68 1/16W Metal Oxide
R9608	VRS-CZ1JF681FY	AA		V	680 1/16W Metal Oxide
R3307	VRS-CZ1JF682FY	AA		V	6.8k 1/16W Metal Oxide
R9623	VRS-CZ1JF683FY	AA		V	68k 1/16W Metal Oxide
R542	VRS-CZ1JF821JY	AA		V	820 1/16W Metal Oxide

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[3] MAIN UNIT (DKEYMH219FM02)					
R543	VRS-CZ1JF821JY	AA		V	820 1/16W Metal Oxide
R2302	VRS-CZ1JF822JY	AA		V	8.2k 1/16W Metal Oxide
R9609	VRS-CZ1JF912FY	AA		V	9.1k 1/16W Metal Oxide
R527	VRS-TQ2EF750JY	AA		V	75 1/4W Metal Oxide
R514	VRS-TV1JD101JY	AA		V	100 1/16W Metal Oxide
R515	VRS-TV1JD101JY	AA		V	100 1/16W Metal Oxide
R516	VRS-TV1JD101JY	AA		V	100 1/16W Metal Oxide
R9628	VRS-TW2HF1R0JY	AA		V	1.0 1/2W Metal Oxide
Q2001	VSKRC402E++-1Y	AB		V	
Q2302	VSKRC402E++-1Y	AB		V	
Q3802	VSKRC402E++-1Y	AB		V	
Q502	VSKRC402E++-1Y	AB		V	
Q9605	VSKRC402E++-1Y	AB		V	
Q2301	VSKTA1535T+-1Y	AC		V	KTA1535T-RTK/P
Q501	VSKTA1535T+-1Y	AC		V	KTA1535T-RTK/P
Q1701	VSLTC014YEB-1Y	AA		V	LTC014YEBFS8TL
Q503	VSLTC014YEB-1Y	AA		V	LTC014YEBFS8TL
Q504	VSLTC014YEB-1Y	AA		V	LTC014YEBFS8TL
Q3801	VSRRH140P03-1Y	AG		V	RRH140P03GZETB
Q9602	VSUM6K33N+-1Y	AC		V	UM6K33NTN
E3302	PRDARB474WJFW	AW		V	HEAT SINK
P1101	QPLGNB921WJZZ			V	PLUG
[4] CABINET & MECHANICAL PARTS (4T-C70DK1X)					
1	CDAi-B326WJ21	BB		V	Stand Assembly
2	CWAKMA252WJ21			V	KS Bezel Top
3	CWAKMA253WJ21			V	KS Bezel L
4	CWAKMA254WJ21			V	KS Bezel R
5	CWAKMA328WJ21			V	KS Bezel Bottom
6	LCHSMA918WJ2W			V	BL Chassis
7	LHLDWA452WJ2Z			V	Seal Cushion
8	LHLDZC775WJ2A			V	P-Chassis TL
9	LHLDZC776WJ2A			V	P-Chassis TR
10	LHLDZC777WJ2A			V	P-Chassis BL
11	LHLDZC778WJ2A			V	P-Chassis BR
12	LHLDZC779WJ2A			V	P-Chassis Side
13	LX-BZA857WJF8			V	Screw for LED
14	LX-BZA858WJF8			V	Screw for Bezel
15	GCABBC810WJ2A			V	Cab-B-L
16	GCABBC811WJ2A			V	Cab-B-R
17	GCABBC820WJ2A			V	Cab-B
18	GCOVAF789WJ2A			V	LED Cover
19	GCOVAF792WJ2A			V	Speaker Holder
20	GCOVAF793WJ2A			V	AC Cord Holder
21	GCOVAF796WJ2A			V	Btm Cov-L
22	GCOVAF797WJ2A			V	Btm Cov-R
23	LANGKF783WJ2W			V	Vesa Angle
24	LANGKF785WJ2W			V	Stand Fix Angle
25	LANGKF863WJ2W			V	Main Tray
26	LANGKG106WJ2A			V	Side Terminal Angle (For SSC, SEM,SVN,SPC, STCL, S
	LANGKG107WJ2A			V	Side Terminal Angle (For SMEF-M, SMEF-N only)
	CANGKF861WJ21			V	Side Terminal Angle (For STE only)
27	LANGKG108WJ2A			V	Bottom Terminal Angle
28	LHLDZC663WJ2A			V	Wifi PWB Holder
29	PZETKB089WJZZ			V	Power Insulation Sheet
30	XBBS830P06000	AA		V	Screw for Cab-B
31	XBBS830P08000	AA		V	Screw for Cab-B
32	XBBS840P06000	AB		V	Screw for Holder
33	XBPS830P05WS0	AA		V	Screw for Holder
34	XEBS830P08000	AA		V	Screw for Cab-B
35	TLABNG749WJ41			V	SIDE S-LABEL
36	PRDARB431WJ41			V	BTM HEATSINK
37	HiNDPG357WJ41			V	SIDE TER-LABEL (For SSC, SEM,SVN,SPC, STCL, SEID,
	HiNDPG386WJ41			V	SIDE TER-LABEL (For SMEF M/N only)
	HiNDPG370WJ41			V	SIDE TER-LABEL (For STE only)
38	HiNDPG358WJ41			V	BTM TER-LABEL
39	TLABNG801WJ41			V	SERIAL NO LABEL
40	TLABZG514WJ41			V	JP PANEL LABEL
[5] SUPPLIED ACCESSORIES (4T-C70DK1X)					
X1	RRMCGB326WJN5	BA		V	Remote Control
	RRMCGB334WJN5			V	Remote Control (for STE only)
X2	CBATAA024WJ04			V	Battery Pack
X3	TiNS-H566WJN3			V	Setup Guide (for SSC, SEM, SPC, SMEF-M/N, SEID)
	TiNS-H567WJN3			V	Setup Guide (for SVN and STCL only)
	TiNS-H631WJN2			V	Setup Guide (for STE only)
	TiNS-H637WJN2			V	Setup Guide (for HK only)
X4-1	CDAi-B326WJ21	BB		V	Stand Assembly
X4-2	CDAi-B326WJ21	BB		V	Stand Assembly
X5	XBPS850P20JS0			V	Stand Screw (x6)
	TGAN-C591WJ41			V	Warranty Card (for SEM)
	TGAN-C574WJZZ			V	Warranty Card (for SVN)
	TGAN-C570WJ41			V	Warranty Card (for STCL)
	TGAN-B249WJN2	AB		V	Warranty Card (for SPC)
	TGAN-C409WJZZ			V	Warranty Card (for SEID)

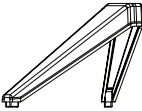
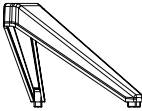
[5] SUPPLIED ACCESSORIES (4T-C70DK1X)**[6] PACKING PARTS NOT REPLACEMENT ITEM (4T-C70DK1X)**

S1	SPAKCK914WJ42			V	P-CASE TOP (For Asia and SMEF dest)
S1	SPAKCK921WJ41			V	P-CASE TOP (For STE only)
S2	ZBANDP1563M1E			V	PP BAND
S3	SPAKXF906WJZZ			V	TOP AD
S4	SPAKXF908WJZZ			V	SIDE-L AD
S5	SPAKXF909WJZZ			V	SIDE-R AD
S6	SPAKXF907WJZZ			V	BOTTOM AD
S7	SPAKXF378WJZZ			V	EPE
S8	SPAKFC614WJZZ			V	FRONT BASE
S9	SPAKPB768WJZZ			V	HOSO PP
S10	CPAKXF910WE01			V	EPE UNIT
S11	SPAKCK516WJZZ			V	BTM CASE
S12	TCAUZA672WJZZ	AB		V	CAUTION SHEET
S13	ZTAPES18T050E			V	CAUTION TAPE
S14	ZTAPEQ25-150E			V	PAPER TAPE
S15	ZTAPEH72TA90E			V	TAPE FOR PACK
X1	RRMCGB326WJN5	BA		V	REMOTE CONTROL
X1	RRMCGB334WJN5			V	REMOTE CONTROL (STE)
X2	CBATAA024WJ04			V	BATTERY PACK
X3	T i N S-H566WJN3			V	Setup Guide (for SSC, SEM, SPC, SMEF-M/N, SEID)
X3	T i N S-H567WJN3			V	Setup Guide (for SVN and STCL only)
X3	T i N S-H631WJN2			V	Setup Guide (for STE only)
X3	T i N S-H637WJN2				Setup Guide (for HK only)
X4	CDA i-B326WJ21	BB			STAND ASSEMBLY
X4	CDA i-B326WJ21	BB			STAND ASSEMBLY
X5	XBPS850P20JS0				STAND SCREW (x6)

4T-C70DK1X Packing Assembly



Supplied accessories

① Remote control unit (× 1) 	② “AAA” size battery (× 2) 	③ Initial setup guide 
④ Stand unit 4T-C70DK1X   ⑦ Stand base  ⑧ Screws		

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