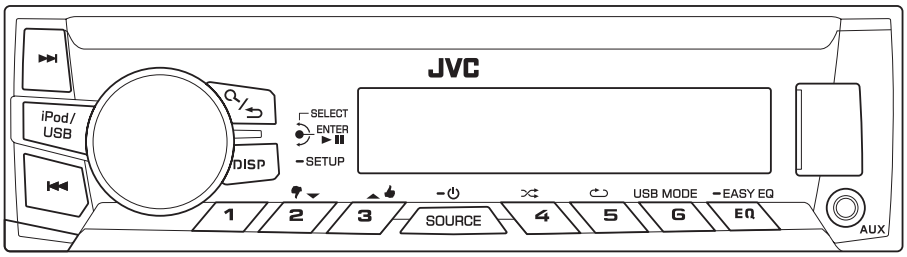
JVC

SERVICE MANUAL

DIGITAL MEDIA RECEIVER

KD-X120EE, KD-X120EU, KD-X120U, KD-X120UT, KD-X125EE, KD-X220E, KD-X220EN, KD-X220EY, KD-X220J, KD-X220U, KD-X220UR, KD-X220UT



Made for iPod iPhone

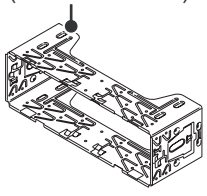
WORKS WITH PANDORA

iHeart RADIO

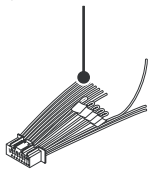
DETACHABLE PANEL

Model	Parts number
KD-X120EE	CP-X120EED
KD-X120EU	CP-X120EUD
KD-X120U	CP-X120UD
KD-X120UT	CP-X120UD
KD-X125EE	CP-X125EED
KD-X220E	CP-X220ED
KD-X220EN	CP-X220ED
KD-X220EY	CP-X220ED
KD-X220J	CP-X220JD
KD-X220U	CP-X220UD
KD-X220UR	-
KD-X220UT	CP-X220UD

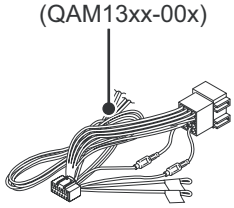
Mounting sleeve (GE20342-001A)



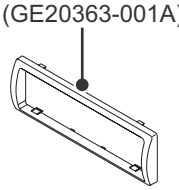
DC cord (QAM1329-001)



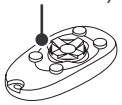
DC cord (QAM13xx-00x)



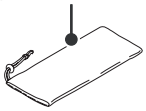
Trim Plate (GE20363-001A)



Remote control unit (RM-RK52M)



Carrying case (GE40521-001A)



Hook (GE40646-001A) x2

Lead free solder used in the board (material: Sn-Ag-Cu, melting point: 219 Centigrade)
Lead free solder used in the board (material: Sn-Cu, melting point: 230 Centigrade)

No.MA606<Rev.002>
2015/4

SPECIFICATION

For US

TUNER		
FM	Frequency Range	87.9 MHz - 107.9 MHz (200 kHz step) 87.5 MHz - 108.0 MHz (50 kHz step)
	Channel Space Selection	50 kHz/200 kHz
	Usable Sensitivity (S/N = 26 dB)	8.2 dBf (0.71 μV/75 Ω)
	Quieting Sensitivity(DIN S/N = 46 dB)	17.2 dBf (2.0 μV/75 Ω)
	Frequency Response (±3 dB)	30 Hz - 15 kHz
	Signal-to-Noise Ratio (MONO)	64 dB
	Stereo Separation (1 kHz)	40 dB
AM	Frequency Range	530 kHz - 1 700 kHz (10 kHz step) 531 kHz - 1 611 kHz (9 kHz step)
	Channel Space Selection	9 kHz/10 kHz
	Usable Sensitivity (S/N = 20 dB)	29 dBμ (28.2 μV)
USB		
USB Standard		USB 1.1, USB 2.0 (Full speed)
Compatible Devices		Mass storage class
File System		FAT12/ 16/ 32
Maximum Supply Current		DC 5 V ⎓ 1 A
D/A Converter		24 Bit
Frequency Response (±1 dB)		20 Hz - 20 kHz
Signal-to-Noise Ratio (1 kHz)		105 dB
Dynamic Range		88 dB
Channel Separation		90 dB
MP3 Decode		Compliant with MPEG-1/2 Audio Layer-3
WMA Decode		Compliant with Windows Media Audio
AAC Decode		AAC-LC ".m4a" files
WAV Decode		RIFF waveform Audio Format (Linear PCM only)
FLAC Decode		FLAC files
Auxiliary		
Frequency Response (±3 dB)		20 Hz - 20 kHz
Input Maximum Voltage		1 000 mV
Input Impedance		30 kΩ
Audio		
Maximum Output Power		50 W × 4 or 50 W × 2 + 50 W × 1 (Subwoofer = 4 Ω)
Full Bandwidth Power(at less than 1 % THD)		22 W × 4
Speaker Impedance		4 Ω - 8 Ω
Preout Level/Load (USB)		2 500 mV/10 kΩ
Preout Impedance		≤ 600 Ω
General		
Operating Voltage (10.5 V - 16 V allowable)		14.4 V
Maximum Current Consumption		10A
Operating Temperature Range		0°C to + 40°C
Installation Size (W × H × D)		182 mm × 53 mm × 108 mm (7-3/16" × 2-1/8" × 4-5/16")
Weight		0.58 kg (1.3 lbs)

- Subject to change without notice.

SPECIFICATION

For Europe

TUNER		
FM	Frequency Range (KD-X220)	FM: 87.5 MHz - 108.0 MHz (50 kHz step)
	Frequency Range (KD-X125/KD/X120)	FM: 87.5 MHz - 108.0 MHz (50 kHz step) FM-LO: 65.0 MHz - 74.0 MHz (30 kHz step)
	Usable Sensitivity (S/N = 26 dB)	0.71 μV/75 Ω
	Quieting Sensitivity(DIN S/N = 46 dB)	2.0 μV/75 Ω
	Frequency Response (±3 dB)	30 Hz - 15 kHz
	Signal-to-Noise Ratio (MONO)	64 dB
	Stereo Separation (1 kHz)	40 dB
AM	Frequency Range	MW 531 kHz - 1 611 kHz (9 kHz step) LW 153 kHz - 279 kHz (9 kHz step)
	Usable Sensitivity (S/N = 20 dB)	MW:28.2 μV SW:50 μV
USB		
USB Standard		USB 1.1, USB 2.0 (Full speed)
Compatible Devices		Mass storage class
File System		FAT12/ 16/ 32
Maximum Supply Current		DC 5 V ⎓ 1 A
D/A Converter		24 Bit
Frequency Response (±1 dB)		20 Hz - 20 kHz
Signal-to-Noise Ratio (1 kHz)		105 dB
Dynamic Range		88 dB
Channel Separation		90 dB
MP3 Decode		Compliant with MPEG-1/2 Audio Layer-3
WMA Decode		Compliant with Windows Media Audio
AAC Decode		AAC-LC ".m4a" files
WAV Decode		RIFF waveform Audio Format (Linear PCM only)
FLAC Decode		FLAC files
Auxiliary		
Frequency Response (±3 dB)		20 Hz - 20 kHz
Input Maximum Voltage		1 000 mV
Input Impedance		30 kΩ
Audio		
Maximum Output Power		50 W × 4 or 50 W × 2 + 50 W × 1 (Subwoofer = 4 Ω)
Full Bandwidth Power(at less than 1 % THD)		22 W × 4
Speaker Impedance		4 Ω - 8 Ω
Preout Level/Load (USB)		2 500 mV/10 kΩ
Preout Impedance		≤ 600 Ω
General		
Operating Voltage (10.5 V - 16 V allowable)		14.4 V
Maximum Current Consumption		10A
Operating Temperature Range		0°C to + 40°C
Installation Size (W × H × D)		182 mm × 53 mm × 108 mm
Weight		0.58 kg

• Subject to change without notice.

SPECIFICATION

For ASIA

TUNER		
FM	Frequency Range	87.5 MHz - 108.0 MHz (50 kHz step)
	Usable Sensitivity (S/N = 26 dB)	8.2 dBf (0.71 μV/75 Ω)
	Quieting Sensitivity(DIN S/N = 46 dB)	17.2 dBf (2.0 μV/75 Ω)
	Frequency Response (±3 dB)	30 Hz - 15 kHz
	Signal-to-Noise Ratio (MONO)	64 dB
	Stereo Separation (1 kHz)	40 dB
AM	Frequency Range	Band 1 (MW): 531 kHz - 1 611 kHz (9 kHz step) Band 2 (SW1): 2 940 kHz - 7 735 kHz (5 kHz step) Band 3 (SW2): 9 500 kHz - 10 135 kHz /11 580 kHz - 18 135 kHz (5 kHz step)
	Channel Space Selection	Band 1: 9 kHz Band 2/3: 5 kHz
	Usable Sensitivity (S/N = 20 dB)	MW: 29 dBμ (28.2 μV) SW: 30 dBμ (32 μV)
USB		
USB Standard		USB 1.1, USB 2.0 (Full speed)
Compatible Devices		Mass storage class
File System		FAT12/ 16/ 32
Maximum Supply Current		DC 5 V ⎓ 1 A
D/A Converter		24 Bit
Frequency Response (±1 dB)		20 Hz - 20 kHz
Signal-to-Noise Ratio (1 kHz)		105 dB
Dynamic Range		88 dB
Channel Separation		90 dB
MP3 Decode		Compliant with MPEG-1/2 Audio Layer-3
WMA Decode		Compliant with Windows Media Audio
AAC Decode		AAC-LC ".m4a" files
WAV Decode		RIFF waveform Audio Format (Linear PCM only)
FLAC Decode		FLAC files
Auxiliary		
Frequency Response (±3 dB)		20 Hz - 20 kHz
Input Maximum Voltage		1 000 mV
Input Impedance		30 kΩ
Audio		
Maximum Output Power		50 W × 4 or 50 W × 2 + 50 W × 1 (Subwoofer = 4 Ω)
Full Bandwidth Power(at less than 1 % THD)		22 W × 4
Speaker Impedance		4 Ω - 8 Ω
Preout Level/Load (USB)		2 500 mV/10 kΩ
Preout Impedance		≤ 600 Ω
General		
Operating Voltage (10.5 V - 16 V allowable)		14.4 V
Maximum Current Consumption		10A
Operating Temperature Range		0°C to + 40°C
Installation Size (W × H × D)		182 mm × 53 mm × 108 mm
Weight		0.58 kg

- Subject to change without notice.

SECTION 1
PRECAUTION

1.1 Safety Precautions

(1) This design of this product contains special hardware and 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. Services should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturers warranty and will further relieve the manufacture 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 (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.

(4) The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.

1.2 Warning

(1) This equipment has been designed and manufactured to meet international safety standards.
(2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
(3) Repairs must be made in accordance with the relevant safety standards.
(4) It is essential that safety critical components are replaced by approved parts.
(5) If mains voltage selector is provided, check setting for local voltage.

1.3 Caution

Burrs formed during molding may be left over on some parts of the chassis.
Therefore, pay attention to such burrs in the case of preforming repair of this system.

1.4 Critical parts for safety

In regard with component parts appearing on the silk-screen printed side (parts side) of the PWB diagrams, the parts that are printed over with black such as the resistor (▬), diode (▮) and ICP (●) or identified by the " ⚠ " mark nearby are critical for safety. When replacing them, be sure to use the parts of the same type and rating as specified by the manufacturer.
(This regulation dose not Except the J and C version)

1.5 Remote control

The Lithium battery is in danger of explosion if replaced incorrectly. Replace it only with the same or equivalent type.

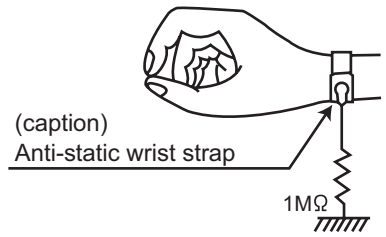
1.6 Preventing static electricity

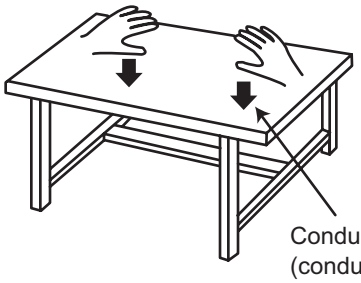
Electrostatic discharge (ESD), which occurs when static electricity stored in the body, fabric, etc. is discharged, can destroy the semi conductors. Take care to prevent this when performing repairs.

1.6.1 Grounding to prevent damage by static electricity

Static electricity in the work area can destroy the semi conductors.
Be careful to use proper grounding in the area where repairs are being performed.

(1) Ground the workbench
Ground the workbench by laying conductive material (such as a conductive sheet) or an iron plate over it before placing the unit on it.
(2) Ground yourself
Use an anti-static wrist strap to release any static electricity built up in your body.





SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

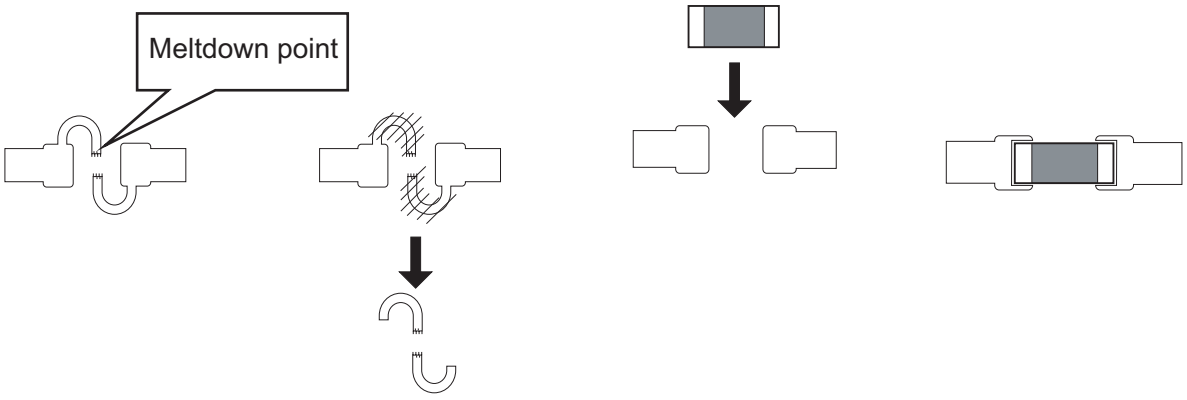
2.1 How to repair a fuse pattern

2.1.1 Purpose of fuse pattern

In order to prevent serious damage on the circuit, fuse pattern is prepared on the GND line of RCA Terminal. This damage may take due to improper part replacement with a external equipment via RCA line.

2.1.2 Repair Procedure

(1) Check the shorted circuit at the meltdown point.
Need to clean up if the shorted circuit or carbonization happen at the fuse pattern.
(2) Add following part on the fuse pattern.
(3) Check output level.



Part Number	Part Name	SPEC
F53-0513-08	PATTERN FUSE	4A

2.1.3 After finished repair

Due to improper part replacement, this meltdown occurs.
Thus please notice following information when the unit is returned to your customer.
Things to be checked before installing the unit.
(1) Check the GND line of external amplifier or other equipment which must connect properly.
(2) Check whether the GND line is not short-circuited with the battery terminal. (do not short-circuit these lines)

2.2 MICROCOMPUTER'S TERMINAL DESCRIPTION

IC701 (R5S726A0D216FP) on MAIN PWB ASSY

Pin No.	Pin Name	I/O	Application	Processing/Operation/ Description
1	LCD_INH	O	Display On/Off Control	L: Display OFF/ H: Display ON
2	DAB_COM_ON	O	Enable DAB micon (For DAB model)	H: ON/L: OFF
2	NC	O	No Use (for non DAB model)	
3	PVcc	-	Power supply for I/O circuits	
4	DZF	I	Zero Input Detect	L: Mute OFF/H: Mute ON
5	Vss	-	GND	
6	PANEL_PON	O	Supply Control to Panel	L: ON/H: OFF
7	DC_ERR2	I	Detect DC Clip (for ST Power Amp IC)	L: DC Error ON/ H: DC Error OFF
8	PWIC_MUTE	O	Muting Output for Power Amp IC	L: Mute ON/H: Mute OFF
9	LCD_CE	O	LCD Driver IC Chip Enable Output (for LCD Model)	
10	Vss	-	GND	
11	LCD_CLK	O	LCD CLK Output	
12	Vcc	-	Power supply	
13	RGB_CLK	O	I2C Clock Output for RGB Driver (For RGB Model)	

Pin No.	Pin Name	I/O	Application	Processing/Operation/ Description
13	PCB_TEST_MODE _RX	I	PCB Test Mode RX	
14	LCD_DATA_SYS	O	LCD DATA Output (for LCD Model)	
14	LCD/ RGB_DATA_SYS	O	LCD and RGB DATA Output (for RGB Model)	
14	PCB_TEST_MODE _TX	O	PCB Test Mode TX	
15	USB_PON	O	Enable Output for High Side Switch	L: HisideSW OFF/ H: HisideSW ON
16	PVcc	-	Power supply for I/O circuits	
17	BT_DATA_BT	I	BT Data Input (For BT model only)	
17	NC	O	No Use (for non BT model)	
18	Vss	-	GND	
19	BT_DATA_SYS	O	BT Data Output (For BT model only)	
19	NC	O	No Use (for non BT model)	
20	Vcc	-	Power supply	
21	PWIC_STBY	O	Output to Power On Power Amp IC	L: Standby/H: Play
22	SXM_DATA_SXM	I	SXM Data Input (For SXM model only)	
22	NC	O	No Use (for non SXM model)	
23	SXM_DATA_SYS	O	SXM Data Output (For SXM model only)	
23	NC	O	No Use (for non SXM model)	
24	DEBUG_1A	O	For Debug	
24	DAB_COM_CLK	O	Clock to DAB (for DAB model only)	
24	HD_SPICLK	O	Clock to HD Decoder (for HD model only)	
25	DEBUG_1B	O	For Debug	
25	DAB_REQ_SYS	O	Command Request from main micon to DAB micon (for DAB model)	
25	HD_REQ_SYS	O	Command Request from SYS-com to HD (for HD model)	
26	DEBUG_1C	O	For Debug	
26	DAB_DATA__SYS	O	DAB Data Output (for DAB model only)	
26	HD_DATA_SYS	O	HD Data Output (for DAB model only)	
27	DAB_DATA_DAB	I	DAB Data Input (for DAB model only)	
27	HD_DATA_HD	I	HD Data Input (for HD model only)	
27	NC	O	No Use (for non DAB / HD model)	
28	PVcc	-	Power supply for I/O circuits	
29	FREQ_SEL	O	Frequency Select	Pulse: Power On/ L: Power Off
30	Vss	-	GND	
31	ENC2	I	Volume Encoder Pulse Input 2	
32	ENC1	I	Volume Encoder Pulse Input 1	
33	REMO	I	Remocon Input	L (Pulse): Remote control data/H: Standby
34	LCD_DATA_LCD	I	LCD DATA Intput (for LCD Model)	
35	MRC_DATA_MRC	I	Marine REMO Data Input UART 57.6kHz (For MARINE model)	
35	DEBUG_2A	O	For Debug	
36	PVcc	-	Power supply for I/O circuits	
37	NC	O	System Clock Output to External Devices (for LCD Model) No Use	

Pin No.	Pin Name	I/O	Application	Processing/Operation/ Description
38	Vss	-	GND	
39	RESET	I	Reset Input	
40	Vss	-	GND	
41	PLLVcc	-	Power supply for PLL	
42	PAN_DET	I	Panel Detection input	L: Panel Attached/ H: Panel Detached
43	Vcc	-	Power supply	
44	EXTAL	I	High Speed Clock 12MHz	
45	XTAL	O	High Speed Clock 12MHz	
46	Vss	-	GND	
47	Vss	-	GND	
48	PVcc	-	Power supply for I/O circuits	
49	D-0	I/O	USB Data- 0	
50	D+0	I/O	USB Data+ 0	
51	ASEMD	I	ASE Mode Select Pin	
52	NC	I	No Use	
53	BT_MUTE	I	BT Mute	L: Mute OFF/H: Mute ON
53	NC	I	No Use (for non BT model)	
54	STAGE2	I	Model Selecting Input 2	
54	STEERING_REMO 2	I	OE Remote In 2 (for DOP models)	
55	STAGE1	I	Model Selecting Input 1	
55	STEERING_REMO 1	I	OE Remote In 1 (for DOP models)	
56	TEL_MUTE	I	Tel Mute Detection Input (for JVC Model)	
56	LINE_MUTE	I	Line Mute Detection Input (For KWD Model)	
56	No Use	I	No Use (for non support Tel mute model)	
57	DC_ERR1	I	Detect DC Offset Error from EVOL IC	L: DC Error ON/ H: DC Error OFF
58	Avss	-	GND	
59	Avcc	-	Power Supply	
60	Avref	-	Reference Power Supply	
61	TRST	I	Debugging Interface. Reset Input.	
62	ASEBRKAK/ASE-BRK	I/O	Emulator Break Mode Acknoledge/Break Input	
63	TDO	O	Debugging Interface. Serial Output for Instructions and Data	
64	TDI	I	Debugging Interface. Serial Input for Instructions and Data	
65	TMS	I	Debugging Interface. Test Mode Select Signal Input.	
66	TCK	I	Debugging Interface. Test Clock Input.	
67	AUDIO_X2	O	Audio Clock 16.9MHz (for External DAC)	
68	AUDIO_X1	I	Audio Clock 16.9MHz (for External DAC)	
69	PVcc	-	Power supply for I/O circuits	
70	SPBCLK	O	FLASH SPI Multi I/O Bus Clock output	
71	Vss	-	GND	
72	SPBSSL	O	FLASH SPI Multi I/O Bus Slave Select Output	
73	SPBIO0	I/O	FLASH SPI Multi I/O Bus I/O Data 0	
74	SPBIO1	I/O	FLASH SPI Multi I/O Bus I/O Data 1	

Pin No.	Pin Name	I/O	Application	Processing/Operation/ Description
75	SPBIO2	I/O	FLASH SPI Multi I/O Bus I/O Data 2	
76	Vss	-	GND	
77	SPBIO3	I/O	FLASH SPI Multi I/O Bus I/O Data 3	
78	Vcc	-	Power supply	
79	MD_CLK	I	Clock Mode Set (Power ON Reset) EXTAL Pin Input Clock Ranges from 10 to 12 MHz	
80	MD_BOOT	I	BOOT Mode Set	L: Boot mode 0/ H: Boot mode 1
81	AUDIO_XOUT	O	DAC Audio Clock Output 16.9MHz	
82	PVcc	-	Power supply for I/O circuits	
83	DAB_PON	O	Control 3..3V power for DAB Module (for DAB model only)	H: ON/L: OFF
83	HD_PON	O	Control 3.3V power for HD module (for HD model only)	HD source= H: ON/ Other source= L: OFF
83	NC	O	No Use (for non DAB/non HD model)	
84	Vss	-	GND	
85	MUTE	O	Muting Output for Evol & Line Out	L: Mute ON/H: Mute OFF
86	Vcc	-	Power supply	
87	BT_RST	O	BT Reset Output (For BT model)	L: Reset ON/ H: Reset OFF
87	NC	O	No Use (for non BT model)	
88	DCDC6V_PON	O	Enable Output for DC-DC Regulator	
89	SXM_PWR	O	Power Supply for SXM (For SXM model only)	L: PWR Off/H: PWR On
89	NC	O	No Use (for non SXM model)	
90	DAB_REQ_DAB	I	Command Request from DAB micon to main micon	
90	NC	O	No Use (for non DAB model)	
91	EVOL_SCL	I/O	I2C Clock 391kHz for E-Vol	
91	EP_SCL	I/O	I2C Clock 391kHz for E2PROM	
91	TU_SCL	I/O	I2C Clock 391kHz for Tuner	
92	EVOL_SDA	I/O	I2C Data for E-Vol	
92	EP_SDA	I/O	I2C Data for E2PROM	
92	TU_SDA	I/O	I2C Data for Tuner	
93	IPOD_SCL	O	iPod Authentication IC I2C Clock	Clock speed 23kHz
93	NC	O	No Use (For non-iPod Model)	
94	IPOD_SDA	O	iPod Authentication IC I2C Data	
94	NC	O	No Use (For non-iPod Model)	
95	REG_SCL	O	I2C Clock for Regulator IC	
96	REG_SDA	O	I2C Data for Regulator IC	
97	NC	O	No Use	
98	DIM_IN	I	Dimmer Control Input (for JVC Model)	L: Dimmer Detect ON/ H: Dimmer Detect OFF
98	NC	O	No Use (For KWD Model)	keep L output setting
99	REG_FLG	I	Power Detection	L: Detect OFF/ H: Detect ON
100	Vss	-	GND	
101	PVcc	-	Power supply for I/O circuits	
102	MRC_REQ_MRC	I	Command Request from Marine REMO to SYS-com (For MARINE model)	

Pin No.	Pin Name	I/O	Application	Processing/Operation/ Description
102	NC	O	No Use (for non Marine model)	
103	SSISCK	O	DAC Audio Serial Data Clock 44.1kHz	
104	SSIWS1	O	DAC L/R Clock 44.1kHz	
105	MRC_PON	O	Enable Marine REMO Power Supply (For MARINE model)	
105	DEBUG 2C	O	For Debug	H: Power On / L: Power Off
106	SSITx	O	Servo DSP Data Output	
107	Vss	-	GND	
108	DAC_CCLK	O	DAC Control Data Clock	
109	Vcc	-	Power supply	
110	DAC_CDTI	O	DAC control Data Input	
111	TU_RST	O	HELIO/CAYMAN (HD) Reset	L: Reset ON/ H: Reset OFF
111	NC	O	No Use (For non DAB/HD model)	
112	PVcc	-	Power supply for I/O circuits	
113	MRC_DATA_SYS	O	Marine REMO Data Output UART 57.6kHz (For MARINE model)	
113	NC	O	No Use (for non Marine model)	
114	Vss	-	GND	
115	DAC_CS	O	DAC Chip Select	
116	BEEP	O	Output for Beep Tone Generator	H (Pulse): BEEP/L: OFF
117	MRC_REQ_SYS	O	Command Request from SYS-com to Marine REMO (For MARINE model)	
117	NC	O	No Use (for non Marine model)	
118	PCB_TEST_MODE	I	PCB Test Mode Switch	L: Normal Mode/H: Check Mode (After Reset software need to check the pin input. If detect high it should enter Serial Number mode)
118	WDT	O	Watch Dog Timer output	L: Normal Mode / H: Reset by WDT
119	MRC_EN	O	Marine REMO Data Select (For MARINE model)	
119	DEBUG_2B	O	For Debug	
119	Field Test 2	O	RDS data log output (standby for field test)	
120	Field Test 1	O	RDS data log output (standby for field test)	
120	FDAC_RST	O	DAC reset	L: DAC reset/ H: DAC reset off

SECTION 3
DISASSEMBLY

3.1 Main body

3.1.1 Removing the MAIN PWB (See Fig.1 to 4)

(1) Disengage the 8 hooks **a**, and remove the FRONT CHASSIS ASSY. (See Fig.1)

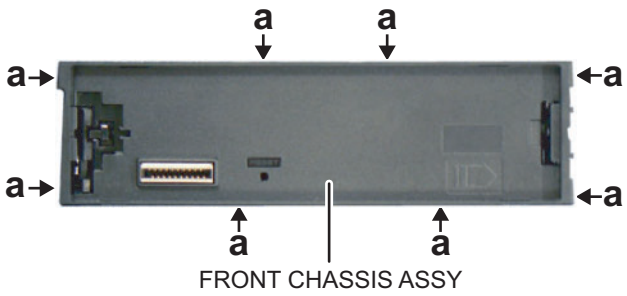


Fig.1

(2) Remove the 3 screws **A** . (See Fig.2)

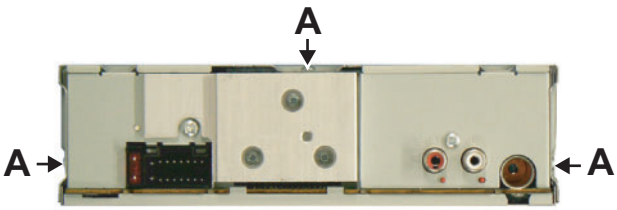


Fig.2

(3) Remove the 2 screws **B**. (See Fig.3)

(4) Disengage the 1 hook **b**, and remove the BOTTOM COVER with MAIN PWB. (See Fig.3)

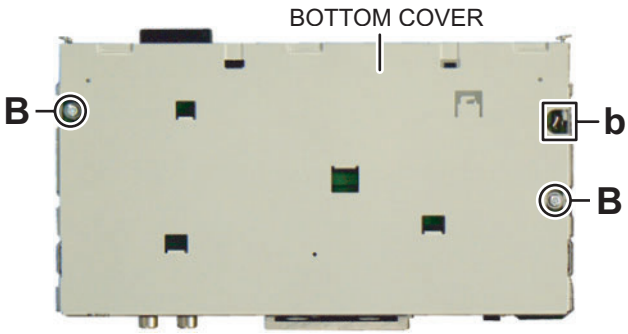


Fig.3

(5) Disengage the 1 hook **c**, and remove the MAIN PWB. (See Fig.4)

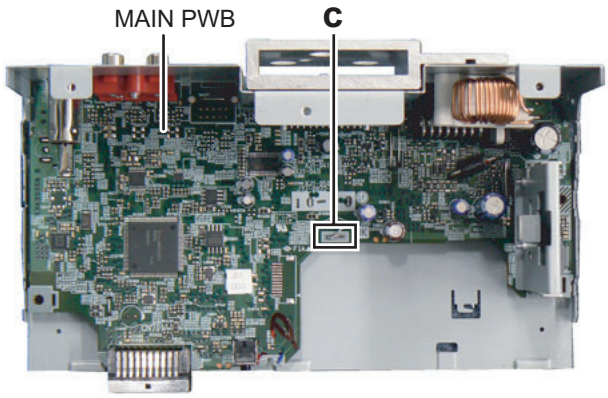


Fig.4

3.1.2 Removing the SWITCH PWB (See Fig.5)

(1) Remove the VOLUME KNOB.

(2) Remove the 4 screws **D**.

(3) Disengage the 11 hooks **d**, and remove the REAR COVER.

(4) Remove the SWITCH PWB.

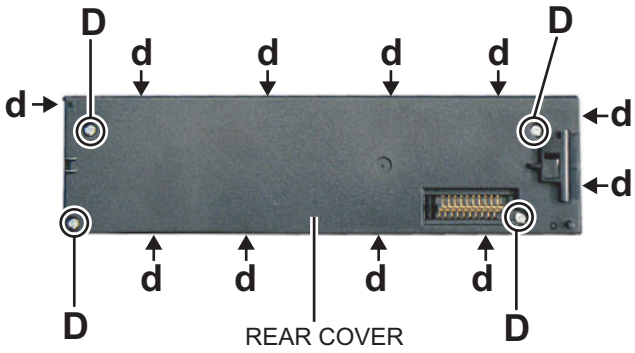
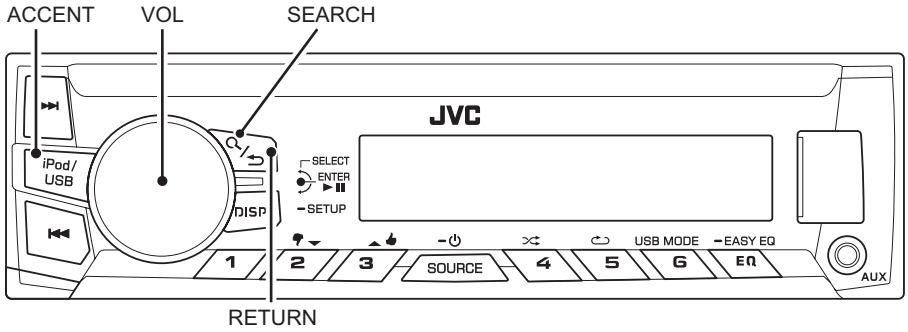


Fig.5

SECTION 4
ADJUSTMENT

4.1 Outline

4.1.1 Panel



A symbol "■" in the key column indicates that the key should be pressed and held for 1 second or longer.

4.1.2 Test Modes

These test modes are available in normal production ROM.
Transition to Test Mode shall be available during DC Error detection.

Test Mode	Mode	Source	Operation
Production Test Mode	-	All	Press and hold [DISP] key and [SOURCE] key and reset.
Service Test Mode	Normal Mode / Production Mode	All	Pressing and holding [DISP] key, press [⏮] key for 7 seconds. (Starting to press [DISP] key and [⏮] key at the same time can not be entered into the mode)
Service Information Clear Mode	-	All	Press and hold [RETURN] key and [SOURCE] key and reset.
DC Error Information Mode	-	All	Press and hold [DISP] key and [⏭] key and reset.
DOP Test Mode	Normal Mode	All	Pressing and holding [SELECT] key, press [DISP] key for 7 seconds. (Starting to press [SELECT] key and [DISP] key at the same time can not be entered into the mode)
Bluetooth Device Name Select Mode	Normal Mode	BT Audio	Pressing and holding [ACCENT] key, press [DISP] key for 3 seconds. (Starting to press [ACCENT] key and [DISP] key at the same time can not be entered into the mode)
Tunisia Area / Tuner Span Change Mode	Normal Mode	All	Pressing and holding [VOL] key, press [RETURN] key for 3 seconds.

4.1.3 Release from Test Mode

These actions will release the Test Mode and transit back to Normal Mode

Method	Remarks
Reset	All Modes
Momentarily voltage drop	All Modes
ACC OFF	All Modes
POWER OFF	All Modes
Panel Detach	All Modes

4.2 Production Test Mode

Press and hold [1] key and [3] key and reset.

4.2.1 Test Mode Defaults

During Production Test Mode, the following settings defer from the Normal Mode.
The settings will change immediately after mode activation.

Difference in action	Setting value
Period to prohibit TEL/LINE MUTE function (Normal Mode: 10 secs)	1 second
Writing-in to E2PROM when DC error is detected	Prohibited
"DEMO" item in Setup Menu	OFF
Power supply during ACC OFF (Back Up On)	MUTE terminal turns OFF after 2 seconds
"BEEP" item in Setup Menu	ON
Volume range	0 to 44
Source change interval timer	0 seconds
When detected the 0 bit mute	Mute off

Various setting item	Setting value
Default Volume	15
"BASS BOOST"	OFF
"LOUDNESS"	OFF
"TEL MUTING"	ON
Initial Source	FM (Mechaless Models) / CD (Non-Mechaless Models)
Language	English
EQ	FLAT
Fader / Balance	Center
Digital Track Expander / Sound Reconstruction Set	OFF
"VOL ADJUST" / "VOLUME OFFSET"	0
DEMO Mode Setting	OFF

4.2.2 Mode structure

The following table shows the test modes that can be accessed from the different sources in Production Test Mode.

Source	Test mode
Tuner	TUNER Test Mode
USB	USB Test Mode

4.2.3 Mode content

Syscon shall display the following information after entering Production Test Mode.

Display content	Details
	All lights on (BOTH LCD & LED including dual color switchable) Set should not be able to power on if sub clock is not functioning. The display is released when another operation is executed.

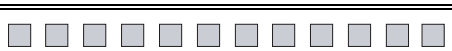
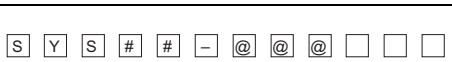
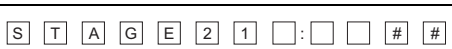
4.2.4 Special Operation by Key Input

Behaviour	Details
Volume Adjustment to 44 Only during Normal display (Invalid during Menu)	Pressing and holding [DISP] key, press [⏭] key for 0.5 seconds. (Starting to press [DISP] key and [⏭] key at the same time can not be entered into the mode)

4.2.5 How to transit to Version Display Mode

Item	Operation	Display content	Details
Transit to Display Mode	RETURN		Transit to Version Display Mode (Default status: All Lights ON)

4.2.6 Version Display Mode

Item	Operation	Display content	Details
All Lights ON/ TEST	DISP (Toggle)		All lights ON
Syscom version display			## = File Number @@@ = Syscon Version Number
Stage Setting			##: Stage Setting for current hardware
Serial No. display			Serial No. Display (8 digits) Display to support ASCII characters ********: Blank @@@@@@@@: EEPROM Read Error
iPod IC Mount Verification Status Display (USB models only)			## = Blank: Verifying OK: IC mounted NG: IC not mounted **: Non iPod support model In addition, upon entering this mode, P-CON is turned ON. When a result is OK, P-CON is turned off. Upon exit, P-CON remains OFF. When a result is NG, P-CON is kept ON condition. Upon exit, P-CON remains ON.
Pre-out Switch (1 Pre-out / 2 Pre-out model only)	EQ		Switch Pre-out with toggle
Mode release	SOURCE Transition		Return to Normal mode
Mode release	RETURN		Return to Normal mode

4.2.7 Tuner Test Mode Specification

The following display shall be indicated according to the TUNER status.

Status	Display content	Details
TUNER IC Communication Error		Communication to TUNER IC not available (indicated unless the mode is in Clock Display Mode).
RDS/RBDS Specified data reception		Turn OFF P-CON forcibly if PS=RDS TEST is received. P-CON recovers with Power OFF/ON.

Item	Operation	Display content	Details
TUNER IC display	EQ		Display TUNER IC version 'AT2 ********' is eg "AtomIC2 57V1B101" indicating "AtomIC2 TEF6657V1B 1.01"

*Not applicable and no function for HD and DAB models

4.2.8 USB Test Mode Specification

Applicable for iPod model only.

Status	Display content	Details
iPod IC Mount Verification Status Display	[i][P][o][d][ ][ ][ ][ ][ ][ ][#][#]	## = Blank: Verifying NG: IC not mounted **: Non iPod support model Upon source change to USB source or USB device plug in: Verifying: Show "iPod: ##" NG: Always show "iPod: NG" even during "NO DEVICE" or playback. **: Always show "iPod: **" even during "NO DEVICE" OK: Change back to nomal display ("NO DEVICE / normal playback display). In addition, upon enter to this mode, P-CON is turned ON. When a judgment result is OK, P-CON is turned off. Upon exit, P-CON still remain OFF. When a judgment result is NG, P-CON is kept ON condition. Upon exit, P-CON still remain ON.

4.3 Service Test Mode

In the STANDBY source, while pressing and holding [2] key, press [6] key for 7 seconds.
(Starting to press [2] key and [6] key at the same time can not be entered into the mode)

4.3.1 Default status immediately after the mode activation

It shall be same as the normal activation.

4.3.2 Mode content

Syscon shall display the following information after entering this mode.

Display content	Details
[S][R][V][ ][T][E][S][T][ ][ ][ ][ ][ ]	Display is released when an operation is executed.

4.3.3 Common operation mode for only STANDBY sources

Item	Operation	Display content	Details
Syscom version display	6	[S][Y][S][#][#][–][@][@][@][ ][ ][ ]	## = File Number @@@ = Syscon Version Number
Power ON duration display	2	[P][O][N][T][M][ ][ ][0][H][X][X][ ]	00 to 50 are displayed in "XX". For less than 1 hour, the display is indicated per 10 minutes.
		[P][O][N][T][M][ ][ ][X][X][X][X][X]	00001 to 10922 are displayed in "XXXXX". MAX 10922 (hours)

4.4 Service Information Clear Mode

Press and hold [2] key and [5] key and reset.

4.4.1 Default status immediately after the mode activation

It shall be same as normal activation.

4.4.2 Mode content

After entering this mode, Syscon shall clear the information stored for service and output the result to the display.
Cleared information changes will take place only after reset.

Display	Display content	Details
Data Clear in Progress	I N I T I A L I Z E □ □	Data Clearing in Progress.
Data Clear OK	D A T A □ C L R □ O K □	Data cleared successfully.
Data Clear NG	D A T A □ C L R □ N G □ Display Blinks (250ms interval)	Data cleared with error, clear the data.

The following table shows the data that is cleared.

Information to Clear	Details	Storage area
Service information	CD EJECT number of times display	E2PROM
	Forced Power OFF information display	E2PROM
DC error information	DC error 1 display (wrong connection & other detection information in detecting duration)	E2PROM
	DC error 2 display (capacitor leakage detection number information)	E2PROM
Tuner information	Tuner Area Setting	E2PROM
	Preset Frequency	E2PROM
	Preset PI code	E2PROM
Tagging information	Token data memory index	E2PROM

4.5 DC Error Information Mode

Press and hold [3] key and [6] key and reset.

4.5.1 Default status immediately after the mode activation

It shall be same as normal activation.

4.5.2 Mode content

Syscon shall display the following information after entering this mode.

Display content	Details
D C □ □ E R R □ □ □ □ □	When DC error is detected
D C □ □ O K □ □ □ □ □ □	When DC error is not detected

Item	Operation	Display content	Details
DC ERR1display	⏭	D C 1 □ E R R □ □ □ □ □	When wrong connection & DC error in other detection duration is detected.
		D C 1 □ O K □ □ □ □ □ □	When wrong connection & DC error in other detection duration is not detected.
DC ERR1 clear	■⏭	D C 1 □ O K □ □ □ □ □ □	Clear detection information when wrong connection & DC error in other detection duration is displayed. (Clear data flash)
DC ERR2 display	⏮	D C 2 □ 4 □ □ □ □ □ □ □	Display detecting number of times in capacitor leakage detection duration. #: 0 to 4
DC ERR2 clear	■⏮	D C 2 □ 0 □ □ □ □ □ □ □	Clear number of times for detection information in capacitor leakage detection duration. (Clear data flash)

4.6 DOP Test Mode

Pressing and holding [SELECT] key, press [DISP] key for 7 seconds.

4.6.1 DOP Mode Common Setting

Common settings for all car makers are as follows:

Demo: No demo animation
Remove all DEMO related items

Power on animation: Show carmaker's name
Only opening animation will show "Car maker's name"
Setup menu: Delete Demo

Color setting for RGB model: Refer to manufacturer preference below:

4.6.2 EEPROM DOP Read Error Display

In the case of an EEPROM read error or EEPROM DOP read error, the unit will behave accordingly.

(1) No Power on animation
(2) No Demo animation
(3) Demo removed in setup menu
(4) Color settings set to default
(5) Serial number display replaced by "SN @@@@@@@@"

4.6.3 Mode content

1) Enter DOP Mode. Pressing and holding [SELECT] key, press [DISP] key for 7 seconds.

Display content	Details
□ □ D O P □ M O D E □ □	

2) Select manufacturer setting.
Note: RGB color save as USER color. DEFAULT color set to USER.
The order is priority. Lower Priority brand need to press and hold(2 secs)
■: press and hold (2 second) on button mentioned as follow

Display content	Operation	Display content	Color	
No Demo	1	□ □ □ □ J V C □ □ □ □ □	Blue	7
Toyota	2	□ □ □ T O Y O T A □ □ □	Lime	25
Honda	3	□ □ □ H O N D A □ □ □ □	Blue	5
Ford	4	□ □ □ □ F O R D □ □ □ □	Greenish Blue	3
Suzuki	5	□ □ □ S U Z U K I □ □ □	Yellow Amber (same as Daihatsu)	16
Hyundai	6	□ □ H Y U N D A I □ □ □	Blue	7
Mitsubishi	⏮	□ M I T S U B I S H I □	Apple	14
FIAT	⏭	□ □ □ □ F I A T □ □ □ □	White	User
Iveco	DISP	□ □ □ I V E C O □ □ □ □	White	User
Alfa Romeo	■1	□ A L F A □ R O M E O □	Red	13
KIA	■2	□ □ □ □ K I A □ □ □ □ □	Blue	7
Volkswagen	■3	□ V O L K S W A G E N □	White	User
Chevrolet	■4	□ C H E V R O L E T □ □	Red	13
Peugeot	■5	□ □ P E U G E O T □ □ □	Green	24
Nissan	■6	□ □ □ N I S S A N □ □ □	Orange	16
Isuzu	■⏮	□ □ □ I S U Z U □ □ □ □	Red	13
Skoda	■⏭	□ □ □ S K O D A □ □ □ □	Yellowish Green	User (R=22, G=31, B=0)
Daihatsu	■DISP	□ □ D A I H A T S U □ □	Yellow Amber (Same as Suzuki)	15
Default	■RETURN	□ □ D E F A U L T □ □ □	Return to default JVC normal setting.	

4.7 Tuner Span Change Mode

Pressing and holding [VOL] key, press [RETURN] key for 3 seconds.

4.7.1 Default status immediately after the mode activation

It shall be same as normal activation.
After selection of the setting item, the receiver should exit this mode and return to the display before entering this mode.
This setting will be stored in EEPROM.

4.7.2 Mode content

Syscon shall display the following information after entering this mode.

Item	Operation	Display content	Details
Tuner Span Change Mode (*1)	VOL +/-	□ A R E A □ A S I A □ □	Default setting for Asia models. Change to 'Asia' area type.
		A R E A □ T U N I S I A	Change to 'Tunisia' area type.
Tuner Span Change Mode (*2)	VOL +/-	A R E A □ E U R O P E □	Default setting for Europe models. Change to 'Europe' area type.
		A R E A □ T U N I S I A	Change to 'Tunisia' area type.
Release Mode	VOL	□ □ □ □ □ □ □ □ □ □ □ □	Depending on display pattern in normal mode.

*1: Only applicable for Asia ('U') models
*2: Only applicable for Europe ('E') models

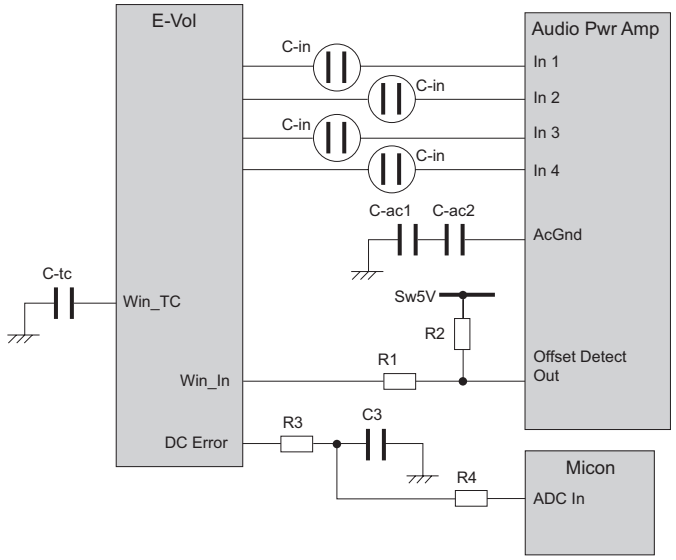
4.8 DC Offset error description

4.8.1 DC Offset detection circuit design

- Purpose:
  To prevent breakdown, when occur DC offset between speaker output "+" and "-".
- Target:
  Detect DC offset, then stop the Power Amp operation and shift to specified condition.

4.8.2 Possible causes of DC offset at speaker output lines

(1) Mis-connection for Speaker output for example touch to car body or battery line.
(2) Current leak of coupling capacitor for Power IC input.
(3) Current leak of AC-GND capacitor for Power IC AC-GND.
(4) Capacitor shorted of above parts due to foreign object.

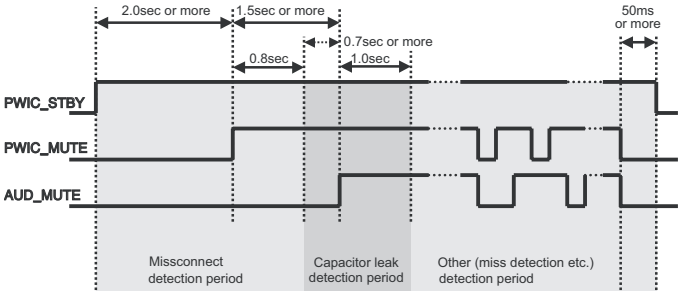


4.8.3 Type of checking

4.8.3.1 To detect DC Offset Error

- Mis-connection
  - Short any one speaker out line to GND or Vcc
- Capacitor leak
  - Parallel 330kΩ to either any one of coupling cap or AC-GND capacitor (to simulate current leakage of capacitor)
  - Shorted either any one of coupling capacitor or AC-GND capacitor.

4.8.4 Detection Timing chart



4.8.5 Manipulate after detect DC Offset

- If detected error 10 consecutive times, and 10th error occurred in "Mis-connect detection period", judge as "Mis-connect".
- If detected error 10 consecutive times, and 10th error occurred in "Capacitor leak detection period", judge as "Capacitor leak ".
- If detected error 10 consecutive times, and 10th error occurred in "Other detection period" and detected another 10 errors consecutively, then judge as "Other".
- If judge as "Mis-connect".
  - turn off speaker output.
  - display "MISWIRING", check wiring connection then reset.
  - key access disable except button of Eject, Reset and service mode
  - record error in EEPROM "DC1 ERR"
  - the product is able to be recovered by Reset button.
- If judge as "Capacitor leak ".
  - turn off speaker output.
  - display "WIRING", check wiring connection then reset.
  - key access disable except button of Eject, Reset and service mode
  - record error in EEPROM "DC2 #" (# means counter number)
  - the product can be recovered by pressing the Reset button before the capacitor leak error counter reach "DC2 4". After that, only clear the counter back to "0" can recover the product.
- If judge as "Other" (manipulation same as mis-connect)

SECTION 5
TROUBLESHOOTING

5.1 How to cancel DC offset error

Check to be sure the terminals of the speaker leads are covered with insulating tape properly, then reset the product.
If an error message does not disappear even after a reset, there is a need for internal repair.

5.2 How to clear DC offset error recorded in EEPROM

Refer to “4.5 DC Error Information Mode”.

JVC

JVC KENWOOD Corporation
CE Segment 2967-3, Ishikawa-machi, Hachioji-shi, Tokyo, 192-8525, Japan

(No.MA606<Rev.002>)

Printed in Japan
VSE

SCHEMATIC DIAGRAMS

DIGITAL MEDIA RECEIVER

KD-X120EE
KD-X120EU
KD-X120U
KD-X120UT
KD-X125EE
KD-X220E
KD-X220EN
KD-X220EY
KD-X220J
KD-X220U
KD-X220UR
KD-X220UT

■ PRECAUTIONS ON SCHEMATIC DIAGRAMS

- Due to the improvement in performance, some part numbers shown in the circuit diagrams may not agree with those indicated in the Parts List.
- The parts numbers, values and rated voltage etc. in the Schematic Diagrams are for reference only.
- Since the circuit diagrams are standard ones, the circuits and circuit constants may be subject to change for improvement without any notice.

■ PRECAUTIONS ON PARTS LIST

- The parts identified by the ⚠ symbol are critical for 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.
- When ordering chips, screws etc., place bulk orders (unit of tens) whenever possible to improve shipping efficiency.
- There are cases where the actual implemented parts in the sets and the service parts are different. When ordering parts, make sure to refer to the Parts List.

■ PRECAUTIONS ON SERVICE

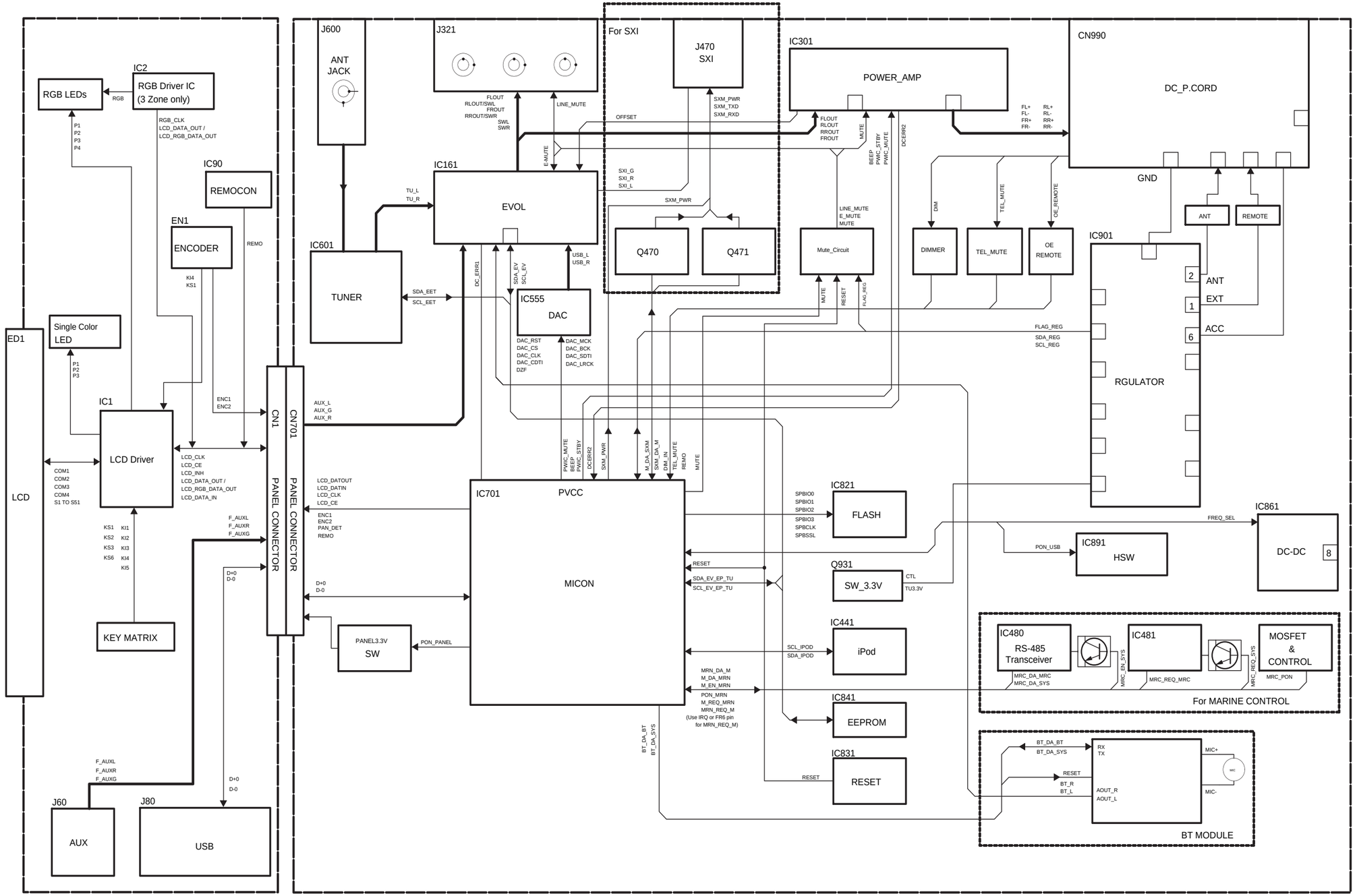
Certain parts of the power circuits and the GNDs differ according to the models. Care must be taken for the following points as the differences are indicated separately in the LIVE GND (⏚) and the ISOLATED (NEUTRAL) GND (⊥).

1. Do not touch the LIVE GND, or do not touch the LIVE GND and the ISOLATED (NEUTRAL) GND at the same time. It may cause an electric shock.
   Before pulling out the chassis or other parts, make sure to pull out the power cord from the wall outlet first.
2. Do not short circuit between the LIVE GND and ISOLATED (NEUTRAL) GND, or never measure the LIVE GND and ISOLATED (NEUTRAL) GND at the same time using measuring instruments (oscilloscope, etc.). It may blow fuses or damage other parts.

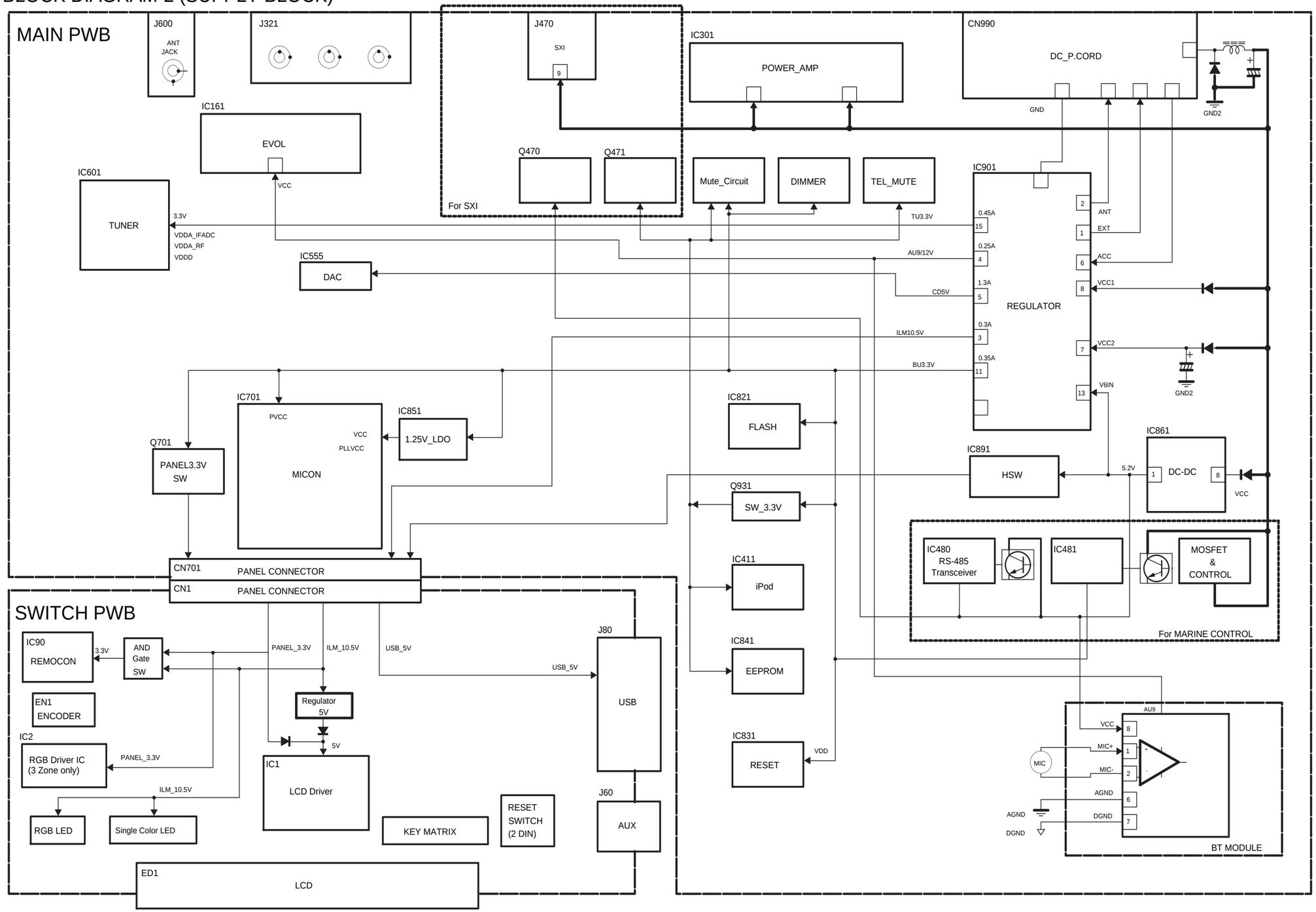
■ DEVIATION TOLERANCE RANGE

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

BLOCK DIAGRAM-1 (SIGNAL BLOCK)

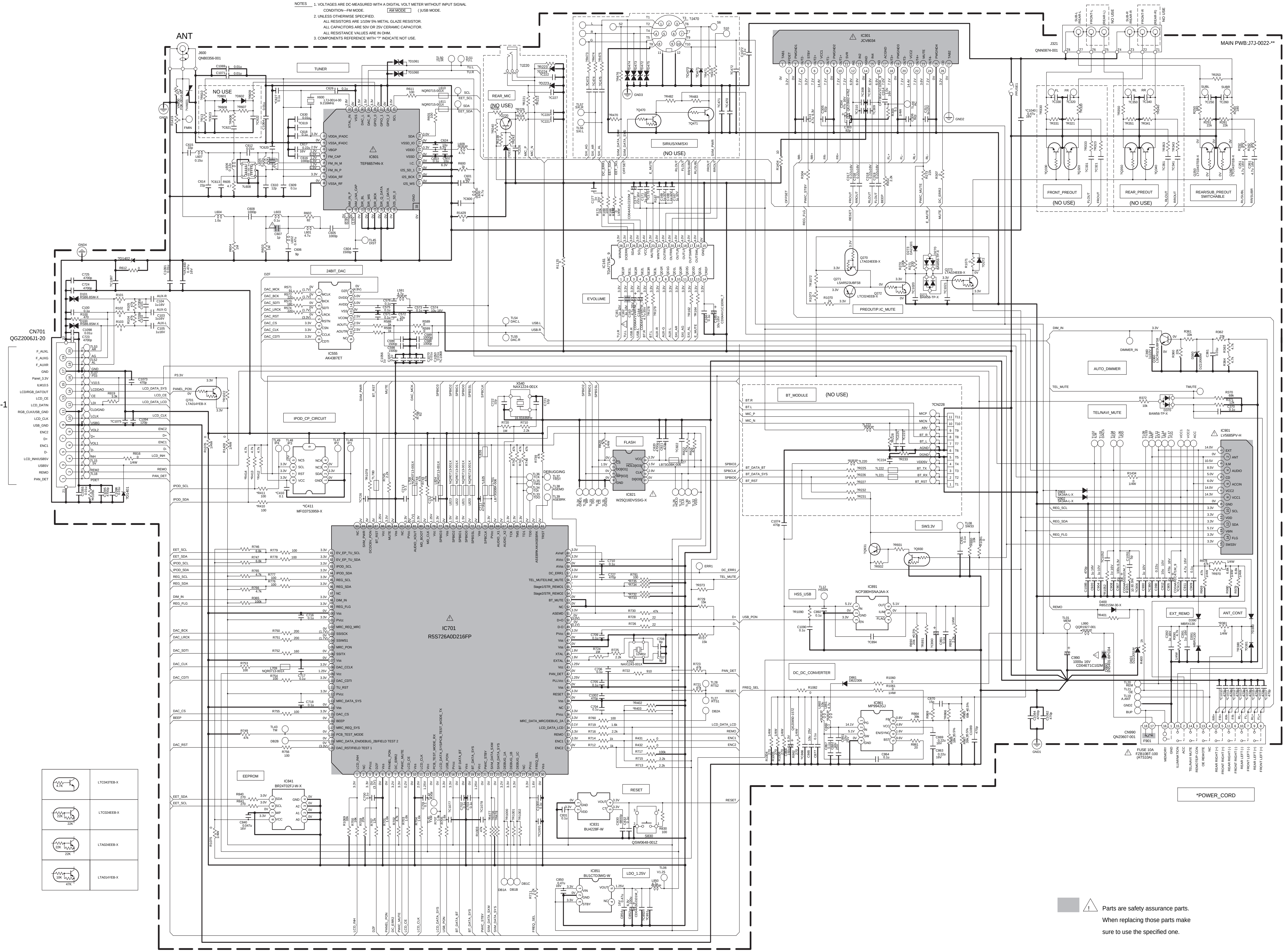


BLOCK DIAGRAM-2 (SUPPLY BLOCK)



MAIN PWB ASSY-1 (XJ1-049x-xx) Except KD-X220UR

NOTES
1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL CONDITION---FM MODE. [AM MODE] ( )USB MODE.
2. UNLESS OTHERWISE SPECIFIED.
ALL RESISTORS ARE 1/10W 5% METAL GLAZE RESISTOR.
ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
ALL RESISTANCE VALUES ARE IN OHM.
3. COMPONENTS REFERENCE WITH "?" INDICATE NOT USE.



To SWITCH PWB ASSY-1
(XJ6-031x-xx)
Except KD-X220UR
CN1

	LTC043TEB-X
22K	LTC024EEB-X
22K	LTA024EEB-X
10K 47K	LTA014YEB-X

Parts are safety assurance parts.
When replacing those parts make sure to use the specified one.

No.MA606

created date:2015-04-22

MAIN PWB ASSY-2 (XJ1-049x-xx) Except KD-X220UR

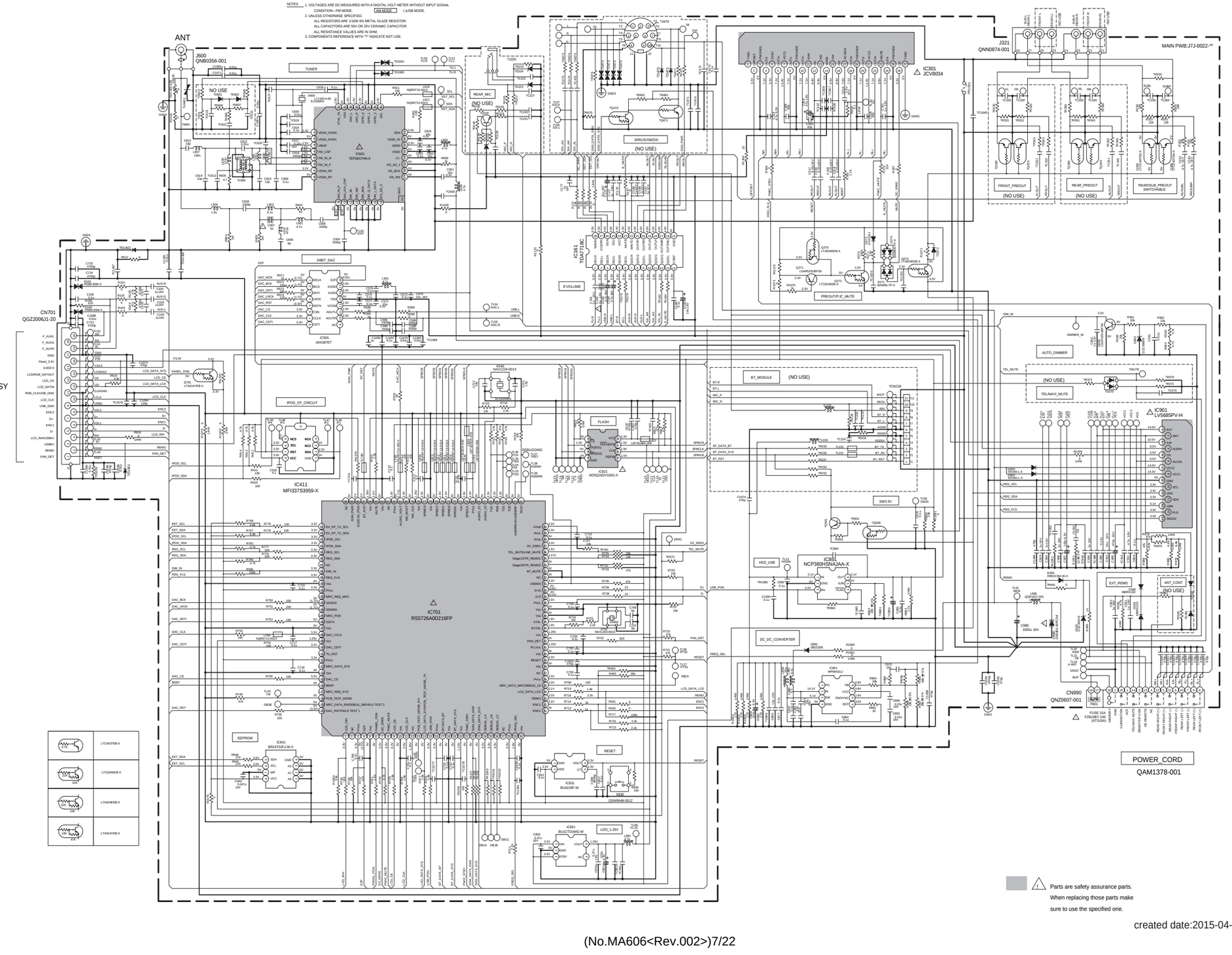
DIFFERENT TABLE

XJ1-049 reference	0-10 partName@0-10	2-71 partName@2-71	2-72 partName@2-72	0-21 partName@0-21	0-22 partName@0-22	3-81 partName@3-81	3-82 partName@3-82
C627	-	-	-	CK73GXR1H104K_9	CK73GXR1H104K_9	-	-
C1040	-	-	-	CK73GBB1C474K_9	CK73GBB1C474K_9	-	-
VA1400	-	-	-	CK73GBB1C474K_9	CK73GBB1C474K_9	-	-
L825	LB73G0CA-002_9	LB73G0CA-002_9	LB73G0CA-002_9	LB73G0CA-002_9	LB73G0CA-002_9	RK73GB2A101J_9	RK73GB2A101J_9
L826	LB73G0CK-001_9	LB73G0CK-001_9	LB73G0CK-001_9	LB73G0CK-001_9	LB73G0CK-001_9	NQR0269-030X	NQR0269-030X
R403	RK73GB2A303J_9	RK73GB2A223J_9	RK73GB2A303J_9	RK73GB2A303J_9	RK73GB2A303J_9	RK73GB2A223J_9	RK73GB2A223J_9
R732	-	RK73GB2A393J_9	-	RK73GB2A393J_9	-	-	RK73GB2A393J_9
R733	RK73GB2A473J_9	RK73GB2A822J_9	RK73EB2E473J_9	RK73GB2A822J_9	RK73GB2A473J_9	RK73GB2A473J_9	RK73GB2A822J_9
R734	-	RK73GB2A273J_9	RK73GB2A273J_9	RK73GB2A393J_9	RK73GB2A393J_9	RK73GB2A223J_9	RK73GB2A223J_9
R735	RK73GB2A473J_9	RK73GB2A223J_9	RK73GB2A223J_9	RK73GB2A822J_9	RK73GB2A822J_9	RK73GB2A273J_9	RK73GB2A273J_9
R381	-	-	-	RK73EB2E000J_9	RK73EB2E000J_9	-	-
IC411	MFI337S3959-X	MFI337S3959-X	-	MFI337S3959-X	-	-	-
C410	CK73GXR1H104K_9	CK73GXR1H104K_9	-	CK73GXR1H104K_9	-	-	-
R410	RK73GB2A101J_9	RK73GB2A101J_9	-	RK73GB2A101J_9	-	-	-
R411	RK73GB2A101J_9	RK73GB2A101J_9	-	RK73GB2A101J_9	-	-	-
R412	RK73GB2A472J_9	RK73GB2A472J_9	-	RK73GB2A472J_9	-	-	-
R413	RK73GB2A472J_9	RK73GB2A472J_9	-	RK73GB2A472J_9	-	-	-
R414	RK73GB2A472J_9	RK73GB2A472J_9	-	RK73GB2A472J_9	-	-	-
C1010	-	-	-	CK73GBB1H471K_9	CK73GBB1H471K_9	-	-
C1011	-	-	-	CK73GBB1H471K_9	CK73GBB1H471K_9	-	-
C1012	-	-	-	CK73GBB1H471K_9	CK73GBB1H471K_9	-	-
C1013	-	-	-	CK73GBB1H471K_9	CK73GBB1H471K_9	-	-
C1014	-	-	-	CK73GBB1H471K_9	CK73GBB1H471K_9	-	-
C1015	-	-	-	CK73GBB1H471K_9	CK73GBB1H471K_9	-	-
C1016	-	-	-	CK73GBB1H471K_9	CK73GBB1H471K_9	-	-
C1017	-	-	-	CK73GBB1H471K_9	CK73GBB1H471K_9	-	-

XJ1-049 STAGE VOLTAGE	0-10 partName@0-10	2-71 partName@2-71	2-72 partName@2-72	0-21 partName@0-21	0-22 partName@0-22	3-81 partName@3-81	3-82 partName@3-82
pin55 STAGE 1	0V	1.48V	1.48V	0.57V	0.57V	1.82V	1.82V
pin54 STAGE 2	0V	0.57V	0V	0.57V	0V	0V	0.57V

XJ1-049 Symbol Number	0-10 partName@0-10	2-71,2-72,2-73 partName@2-71	2-74 partName@2-72	0-21,0-22 partName@0-21	0-23,0-24 partName@0-22	3-81 partName@3-81	3-82 partName@3-82
POWER_CORD	QAM1329-001	QAM1329-001	QAM1345-003	QAM1329-001	QAM1329-001	QAM1345-003	QAM1345-003

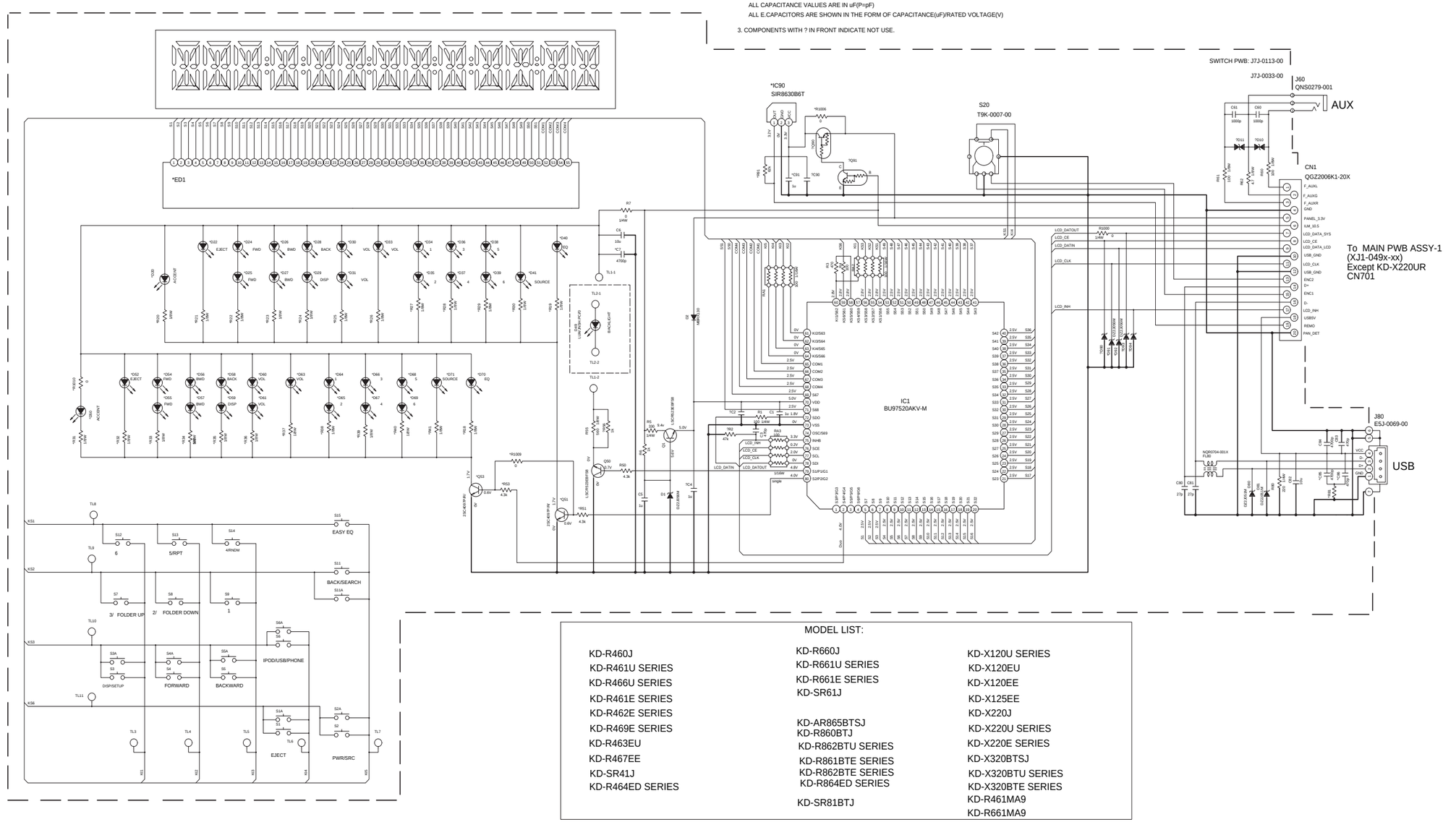
MAIN PWB ASSY (XJ1-0503-20) KD-X220UR



SWITCH PWB ASSY-1 (XJ6-031x-xx) Except KD-X220UR

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/10W +5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM.
   ALL CAPACITANCE VALUES ARE IN uF(P=pF)
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)
3. COMPONENTS WITH ? IN FRONT INDICATE NOT USE.



MODEL LIST:

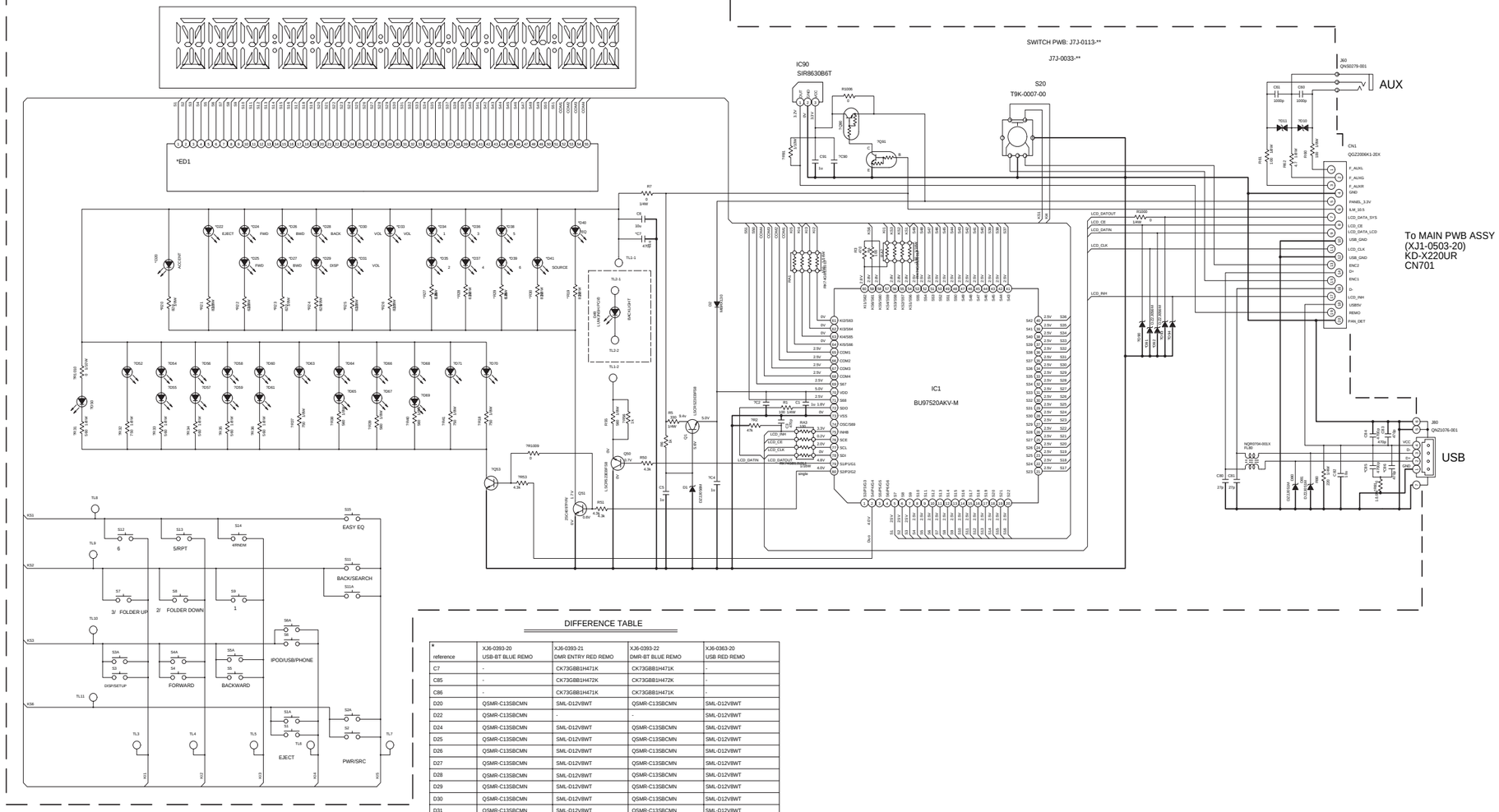
KD-R460J	KD-R660J	KD-X120U SERIES
KD-R461U SERIES	KD-R661U SERIES	KD-X120EU
KD-R466U SERIES	KD-R661E SERIES	KD-X120EE
KD-R461E SERIES	KD-SR61J	KD-X125EE
KD-R462E SERIES		KD-X220J
KD-R469E SERIES	KD-AR865BTSJ	KD-X220U SERIES
KD-R463EU	KD-R860BTJ	KD-X220E SERIES
KD-R467EE	KD-R862BTU SERIES	KD-X320BTSJ
KD-SR41J	KD-R861BTE SERIES	KD-X320BTU SERIES
KD-R464ED SERIES	KD-R862BTE SERIES	KD-X320BTE SERIES
	KD-R864ED SERIES	KD-R461MA9
	KD-SR81BTJ	KD-R661MA9

SWITCH PWB ASSY-2 (XJ6-031x-xx) Except KD-X220UR

DIFFERENCE TABLE FOR PWB #J7J-0033-00

* reference	XJ6-0310-10 BT BLUE REMO	XJ6-0310-11 DMR RED REMO	XJ6-0310-12 DMR-BT BLUE REMO	XJ6-0312-71 BT RED REMO	XJ6-0312-72 BT RED WO REMO	XJ6-0312-73 BT BLUE WO REMO	XJ6-0312-74 DMR RED WO REMO	XJ6-0312-75 DMR-BT RED WO REMO	XJ6-0313-81 DMR GREEN WO REMO	XJ6-0313-82 DMR G/A-O WO REMO
C7	-	-	CK73GBB1H472K	-	-	-	-	CK73GBB1H472K	-	-
C85	-	CK73GBB1H472K	CK73GBB1H472K	-	-	-	CK73GBB1H472K	CK73GBB1H472K	CK73GBB1H472K	CK73GBB1H472K
C86	-	CK73GBB1H471K	CK73GBB1H471K	-	-	-	CK73GBB1H471K	CK73GBB1H471K	CK73GBB1H471K	CK73GBB1H471K
C91	CK73GXR1A105K	CK73GXR1A105K	CK73GXR1A105K	CK73GXR1A105K	-	-	-	-	-	-
D20	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	SML-311WT/JK/X	SML-311DT/JK/X
D22	SML-D12V8WT	-	-	SML-D12V8WT	SML-D12V8WT	QSMR-C13SBCMN	-	-	-	-
D24	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	-	SML-311DT/JK/X
D25	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	-	SML-311DT/JK/X
D26	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	-	SML-311DT/JK/X
D27	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	-	SML-311DT/JK/X
D28	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	-	SML-311DT/JK/X
D29	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	-	SML-311DT/JK/X
D30	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	-	SML-311DT/JK/X
D31	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	-	SML-311DT/JK/X
D33	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	-	SML-311DT/JK/X
D34	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	-	SML-311DT/JK/X
D35	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	-	SML-311DT/JK/X
D36	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	-	SML-311DT/JK/X
D37	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	-	SML-311DT/JK/X
D38	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	-	SML-311DT/JK/X
D39	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	-	SML-311DT/JK/X
D40	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	-	SML-311DT/JK/X
D41	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT	SML-D12V8WT	-	SML-311DT/JK/X
D50	-	-	-	-	-	-	-	-	SML-D12P8WT	SML-D12P8WT
D52	-	-	-	-	-	-	-	-	-	-
D54	-	-	-	-	-	-	-	-	SML-D12P8WT	SML-D12P8WT
D55	-	-	-	-	-	-	-	-	SML-D12P8WT	SML-D12P8WT
D56	-	-	-	-	-	-	-	-	SML-D12P8WT	SML-D12P8WT
D57	-	-	-	-	-	-	-	-	SML-D12P8WT	SML-D12P8WT
D58	-	-	-	-	-	-	-	-	SML-D12P8WT	SML-D12P8WT
D59	-	-	-	-	-	-	-	-	SML-D12P8WT	SML-D12P8WT
D60	-	-	-	-	-	-	-	-	SML-D12P8WT	SML-D12P8WT
D61	-	-	-	-	-	-	-	-	SML-D12P8WT	SML-D12P8WT
D63	-	-	-	-	-	-	-	-	SML-D12P8WT	SML-D12P8WT
D64	-	-	-	-	-	-	-	-	SML-D12P8WT	SML-D12P8WT
D65	-	-	-	-	-	-	-	-	SML-D12P8WT	SML-D12P8WT
D66	-	-	-	-	-	-	-	-	SML-D12P8WT	SML-D12P8WT
D67	-	-	-	-	-	-	-	-	SML-D12P8WT	SML-D12P8WT
D68	-	-	-	-	-	-	-	-	SML-D12P8WT	SML-D12P8WT
D69	-	-	-	-	-	-	-	-	SML-D12P8WT	SML-D12P8WT
D70	-	-	-	-	-	-	-	-	SML-D12P8WT	SML-D12P8WT
D71	-	-	-	-	-	-	-	-	SML-D12P8WT	SML-D12P8WT
D91	-	DZ2J056M	DZ2J056M	-	-	-	DZ2J056M	DZ2J056M	DZ2J056M	DZ2J056M
D92	-	DZ2J056M	DZ2J056M	-	-	-	DZ2J056M	DZ2J056M	DZ2J056M	DZ2J056M
ED1	B3H-0006-00	B3H-0006-00	B3H-0006-00	B3H-0006-00	B3H-0006-00	B3H-0006-00	B3H-0006-00	B3H-0009-00	B3H-0006-00	B3H-0006-00
IC90	SIR8630B6T	SIR8630B6T	SIR8630B6T	SIR8630B6T	-	-	-	-	-	-
Q51	2SC4097P/R/	2SC4097P/R/	2SC4097P/R/	2SC4097P/R/	2SC4097P/R/	2SC4097P/R/	2SC4097P/R/	2SC4097P/R/	-	2SC4097P/R/
Q53	-	-	-	-	-	-	-	-	2SC4097P/R/	2SC4097P/R/
R18	-	-	-	-	-	-	-	-	RK73FB2B751J	RK73FB2B751J
R19	RK73FB2B122J	RK73FB2B821J	RK73FB2B122J	RK73FB2B821J	RK73FB2B122J	RK73FB2B122J	RK73FB2B821J	RK73FB2B821J	-	RK73FB2B821J
R20	RK73FB2B122J	RK73FB2B821J	RK73FB2B122J	RK73FB2B821J	RK73FB2B122J	RK73FB2B122J	RK73FB2B821J	RK73FB2B821J	-	RK73FB2B821J
R21	RK73FB2B122J	-	-	RK73FB2B821J	RK73FB2B122J	RK73FB2B122J	-	-	-	-
R22	RK73FB2B821J	RK73FB2B621J	RK73FB2B821J	RK73FB2B621J	RK73FB2B821J	RK73FB2B821J	RK73FB2B621J	RK73FB2B621J	-	RK73FB2B621J
R23	RK73FB2B821J	RK73FB2B621J	RK73FB2B821J	RK73FB2B621J	RK73FB2B821J	RK73FB2B821J	RK73FB2B621J	RK73FB2B621J	-	RK73FB2B621J
R24	RK73FB2B821J	RK73FB2B621J	RK73FB2B821J	RK73FB2B621J	RK73FB2B821J	RK73FB2B821J	RK73FB2B621J	RK73FB2B621J	-	RK73FB2B621J
R25	RK73FB2B821J	RK73FB2B621J	RK73FB2B821J	RK73FB2B621J	RK73FB2B821J	RK73FB2B821J	RK73FB2B621J	RK73FB2B621J	-	RK73FB2B621J
R26	RK73FB2B122J	RK73FB2B821J	RK73FB2B122J	RK73FB2B821J	RK73FB2B122J	RK73FB2B122J	RK73FB2B821J	RK73FB2B821J	-	RK73FB2B821J
R27	RK73FB2B821J	RK73FB2B621J	RK73FB2B821J	RK73FB2B621J	RK73FB2B821J	RK73FB2B821J	RK73FB2B621J	RK73FB2B621J	-	RK73FB2B621J
R28	RK73FB2B821J	RK73FB2B621J	RK73FB2B821J	RK73FB2B621J	RK73FB2B821J	RK73FB2B821J	RK73FB2B621J	RK73FB2B621J	-	RK73FB2B621J
R29	RK73FB2B821J	RK73FB2B621J	RK73FB2B821J	RK73FB2B621J	RK73FB2B821J	RK73FB2B821J	RK73FB2B621J	RK73FB2B621J	-	RK73FB2B621J
R30	RK73FB2B122J	RK73FB2B821J	RK73FB2B122J	RK73FB2B821J	RK73FB2B122J	RK73FB2B122J	RK73FB2B821J	RK73FB2B821J	-	RK73FB2B821J
R31	-	-	-	-	-	-	-	-	RK73FB2B681J	RK73FB2B681J
R32	-	-	-	-	-	-	-	-	-	-
R33	-	-	-	-	-	-	-	-	RK73FB2B561J	RK73FB2B561J
R34	-	-	-	-	-	-	-	-	RK73FB2B561J	RK73FB2B561J
R35	-	-	-	-	-	-	-	-	RK73FB2B751J	RK73FB2B751J
R36	-	-	-	-	-	-	-	-	RK73FB2B561J	RK73FB2B561J
R37	-	-	-	-	-	-	-	-	RK73FB2B821J	RK73FB2B821J
R38	-	-	-	-	-	-	-	-	RK73FB2B561J	RK73FB2B561J
R39	-	-	-	-	-	-	-	-	RK73FB2B561J	RK73FB2B561J
R40	-	-	-	-	-	-	-	-	RK73FB2B561J	RK73FB2B561J
R41	-	-	-	-	-	-	-	-	RK73FB2B681J	RK73FB2B681J
R51	RK73GB2A432J	RK73GB2A432J	RK73GB2A432J	RK73GB2A432J	RK73GB2A432J	RK73GB2A432J	RK73GB2A432J	RK73GB2A432J	RK73GB2A432J	RK73GB2A432J
R53	-	-	-	-	-	-	-	-	-	RK73GB2A432J
R81	-	RK73EB2E000J	RK73EB2E000J	-	-	-	RK73EB2E000J	RK73EB2E000J	RK73EB2E000J	RK73EB2E000J
R91	-	-	-	-	-	-	-	-	-	-
R1006	RK73GB2A000J	RK73GB2A000J	RK73GB2A000J	RK73GB2A000J	-	-	-	-	-	-
R1009	-	-	-	-	-	-	-	-	RK73GB2A000J	-
R1010		-	-	-	-	-	-	-	RK73GB2A000J	RK73GB2A000J

SWITCH PWB ASSY (XJ6-0393-21) KD-X220UR



DIFFERENCE TABLE

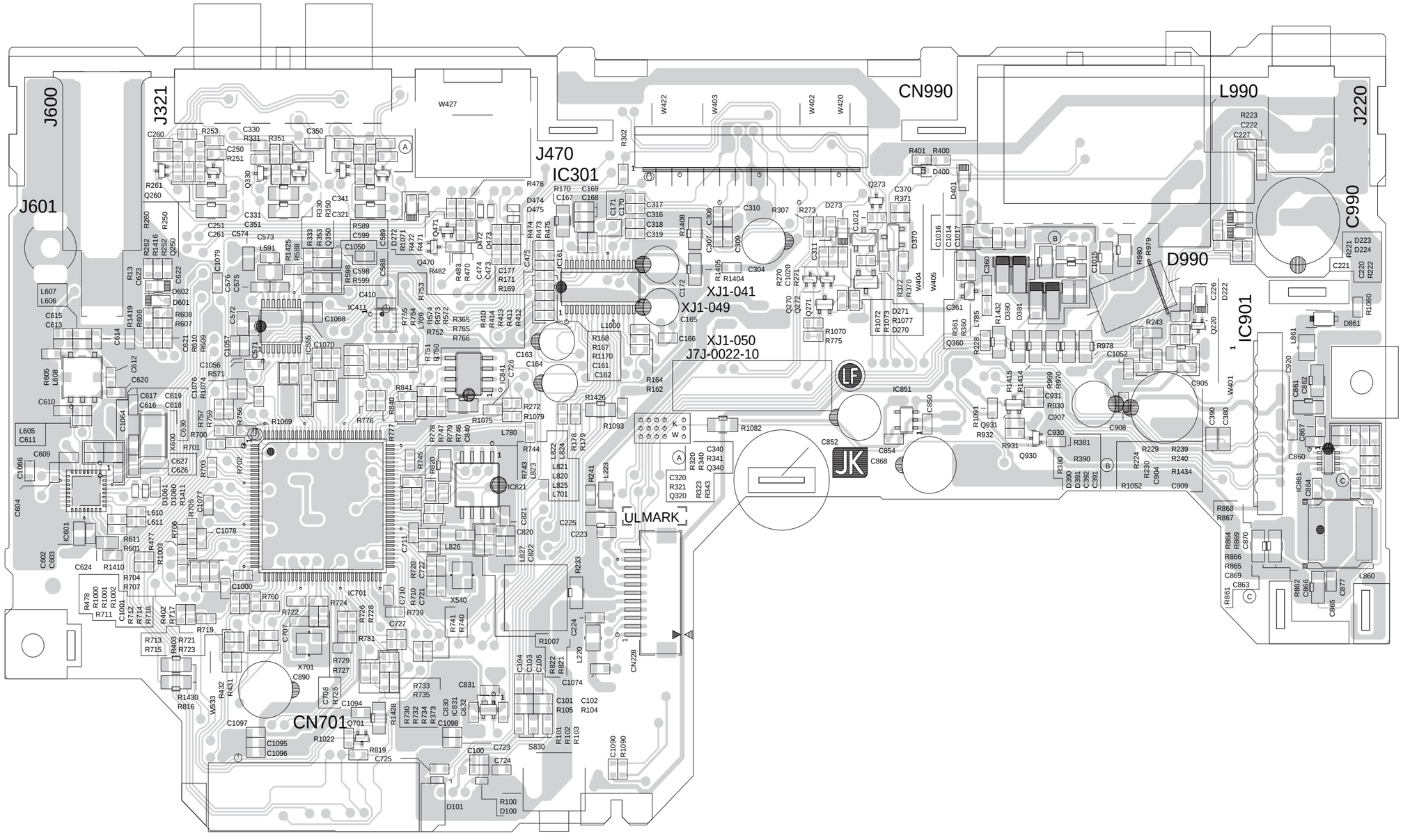
* reference	XJ6-0393-20 USB-BT BLUE REMO	XJ6-0393-21 DMR ENTRY RED REMO	XJ6-0393-22 DMR-BT BLUE REMO	XJ6-0363-20 USB RED REMO
C7	-	CK73GBB1H471K	CK73GBB1H471K	-
C85	-	CK73GBB1H472K	CK73GBB1H472K	-
C86	-	CK73GBB1H471K	CK73GBB1H471K	-
D20	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT
D22	QSMR-C13SBCMN	-	-	SML-D12V8WT
D24	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT
D25	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT
D26	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT
D27	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT
D28	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT
D29	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT
D30	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT
D31	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT
D33	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT
D34	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT
D35	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT
D36	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT
D37	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT
D38	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT
D39	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT
D40	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT
D41	QSMR-C13SBCMN	SML-D12V8WT	QSMR-C13SBCMN	SML-D12V8WT
D91	-	DZ2J056M	DZ2J056M	-
D92	-	DZ2J056M	DZ2J056M	-
ED1	B3H-0006-00	B3H-0006-00	B3H-0009-00	B3H-0006-00
R19	RK73FB2B122J	RK73FB2B821J	RK73FB2B122J	RK73FB2B821J
R20	RK73FB2B122J	RK73FB2B821J	RK73FB2B122J	RK73FB2B821J
R21	RK73FB2B122J	-	-	RK73FB2B821J
R22	RK73FB2B821J	RK73FB2B621J	RK73FB2B821J	RK73FB2B621J
R23	RK73FB2B821J	RK73FB2B621J	RK73FB2B821J	RK73FB2B621J
R24	RK73FB2B821J	RK73FB2B621J	RK73FB2B821J	RK73FB2B621J
R25	RK73FB2B821J	RK73FB2B621J	RK73FB2B821J	RK73FB2B621J
R26	RK73FB2B122J	RK73FB2B821J	RK73FB2B122J	RK73FB2B821J
R27	RK73FB2B821J	RK73FB2B621J	RK73FB2B821J	RK73FB2B621J
R28	RK73FB2B821J	RK73FB2B621J	RK73FB2B821J	RK73FB2B621J
R29	RK73FB2B821J	RK73FB2B621J	RK73FB2B821J	RK73FB2B621J
R30	RK73FB2B122J	RK73FB2B821J	RK73FB2B122J	RK73FB2B821J
R81	-	RK73EB2E000J	RK73EB2E000J	-

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/10W +5% METAL GLAZE RESISTOR.
   ALL CAPACITORS ARE 50V OR 25V CERAMIC CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM.
   ALL CAPACITANCE VALUES ARE IN uF(P=pF)
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(uF)/RATED VOLTAGE(V)
3. COMPONENTS WITH ? IN FRONT INDICATE NOT USE.

MAIN PWB ASSY XJ1-049x-xx (J7J-0022-10) Except KD-X220UR

(Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade))
(Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade))

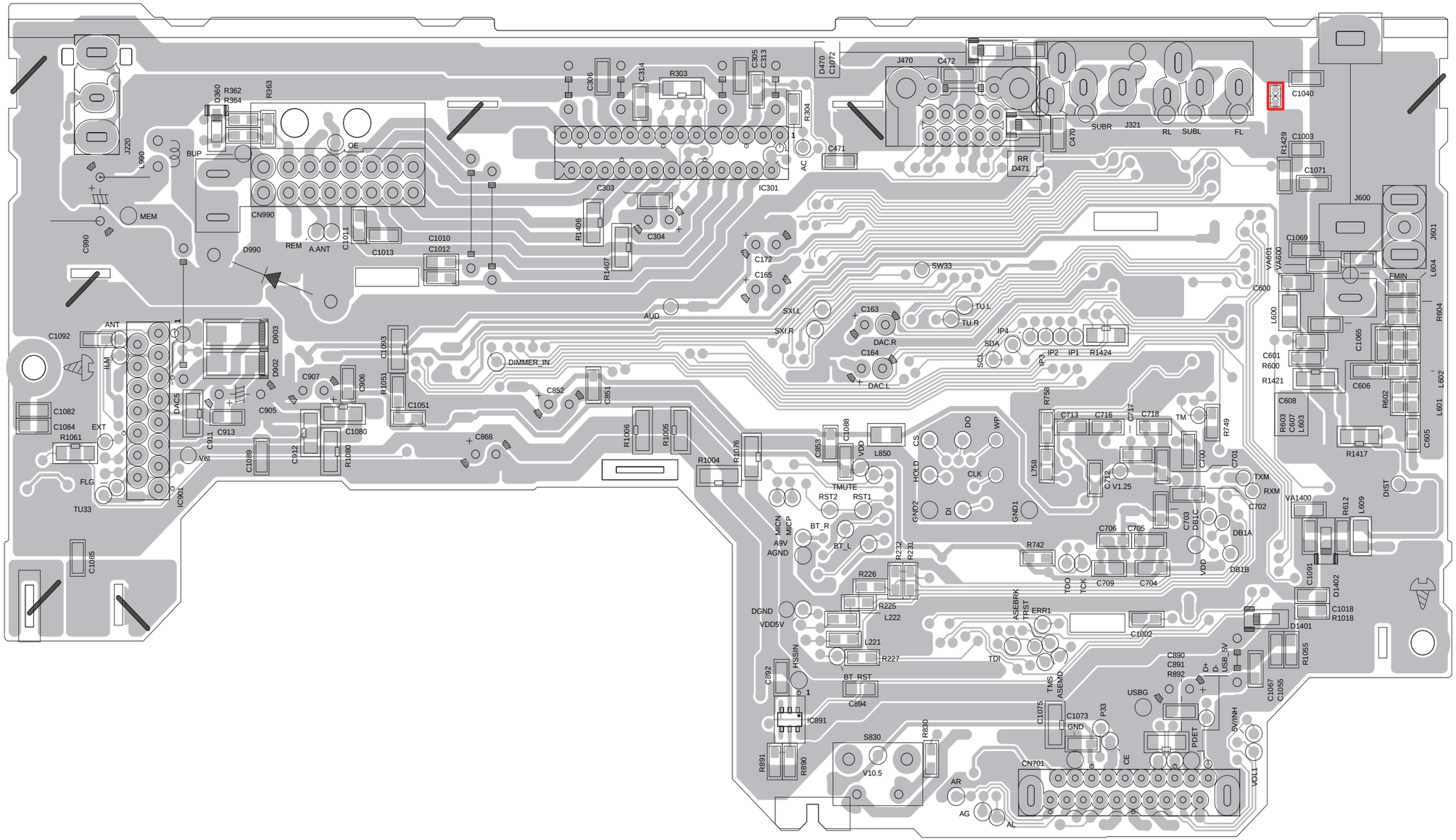


MAIN PWB ASSY XJ1-049x-xx (J7J-0022-10) Except KD-X220UR

(Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade))
(Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade))

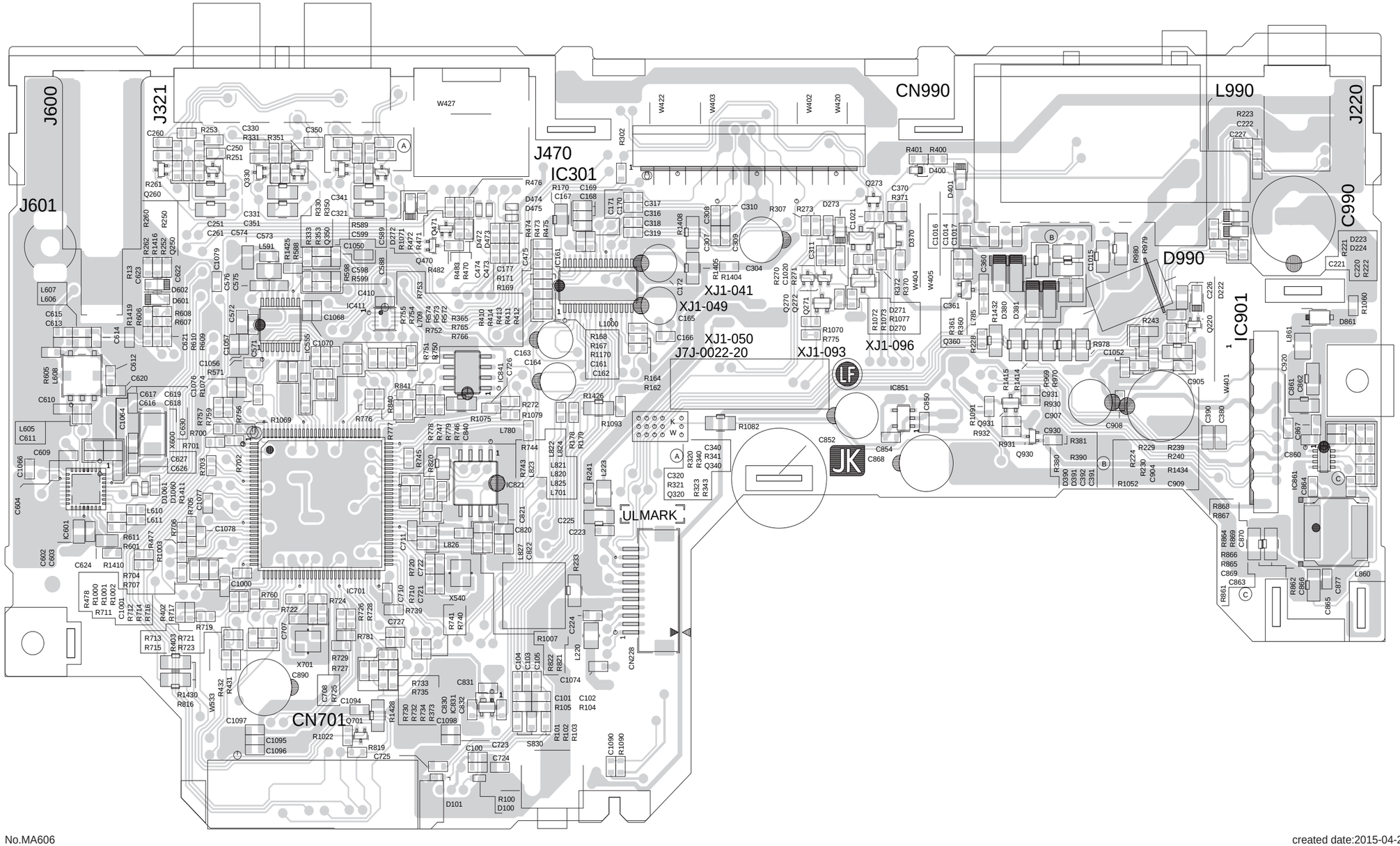
How to repair a fuse pattern.

Refer to "2.1 How to repair a fuse pattern".



MAIN PWB ASSY XJ1-0503-20 (J7J-0022-20) KD-X220UR

(Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade))
(Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade))

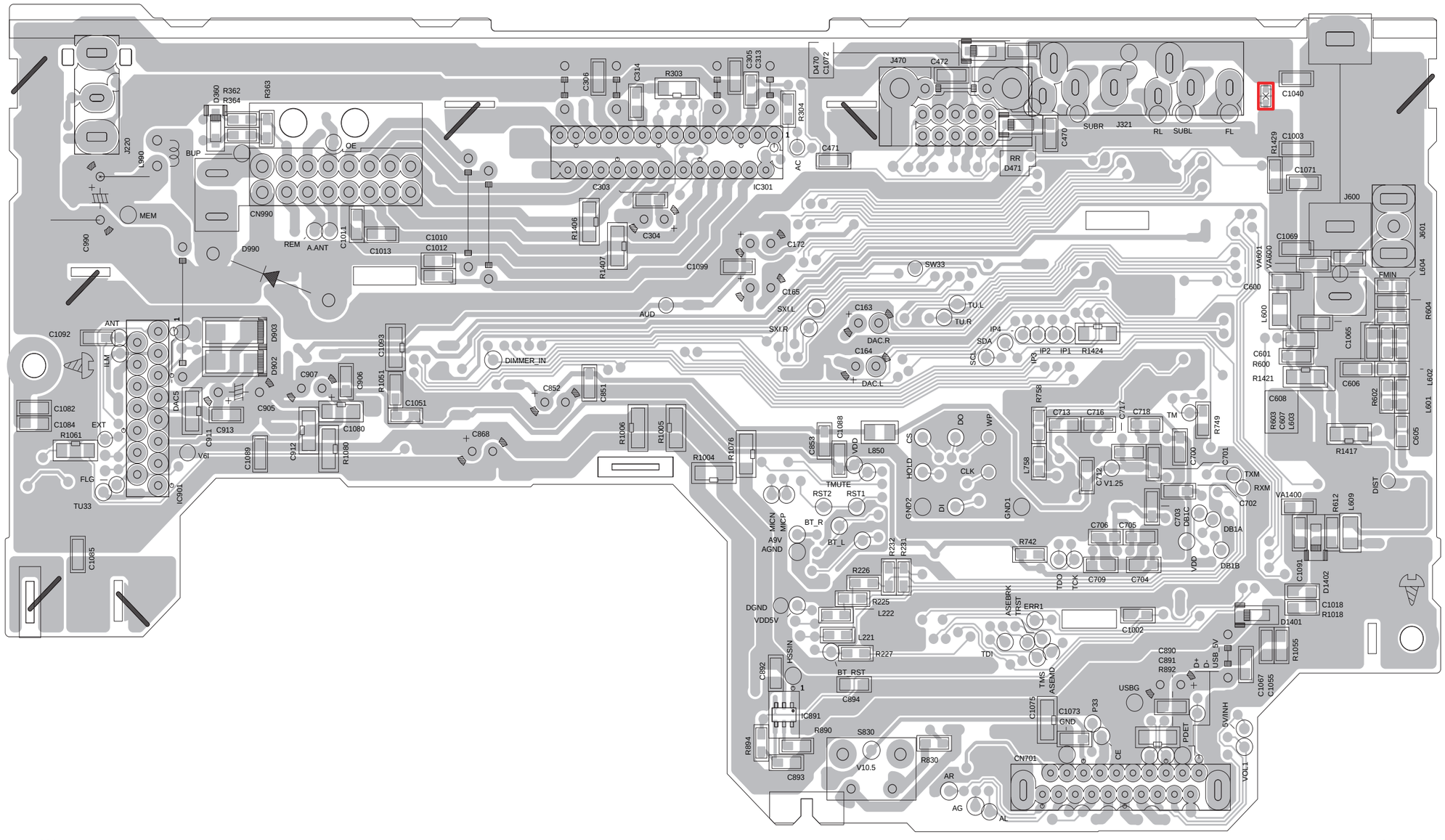


MAIN PWB ASSY XJ1-0503-20 (J7J-0022-20) KD-X220UR

(Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade))
(Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade))

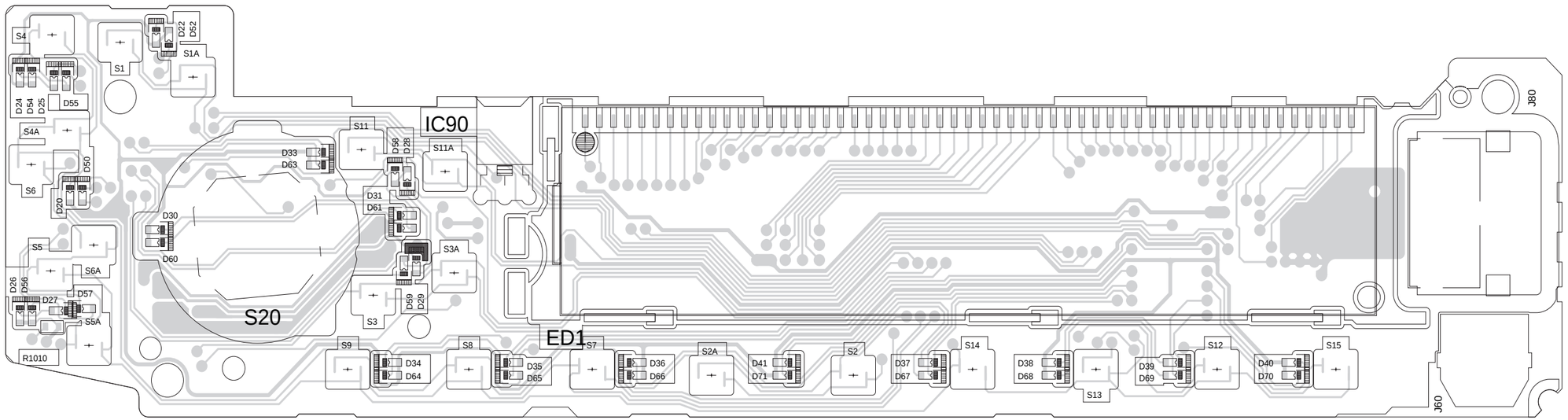
How to repair a fuse pattern.

Refer to "2.1 How to repair a fuse pattern".



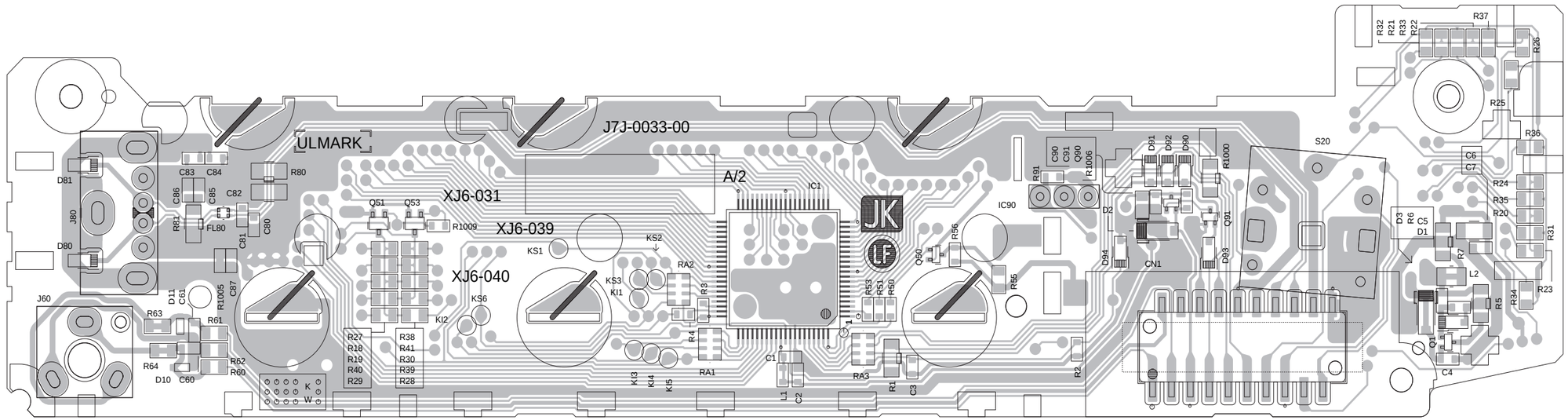
SWITCH PWB ASSY-1 XJ6-031x-xx (J7J-0033-00) Except KD-X220UR

(Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade))
(Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade))



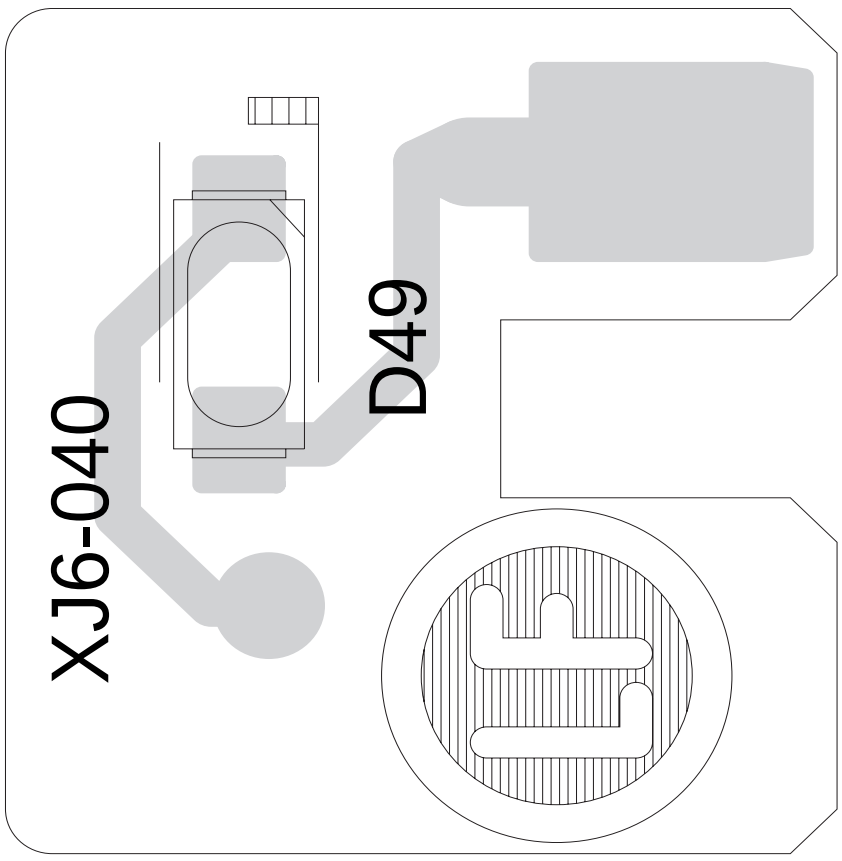
SWITCH PWB ASSY-1 XJ6-031x-xx (J7J-0033-00) Except KD-X220UR

(Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade))
(Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade))



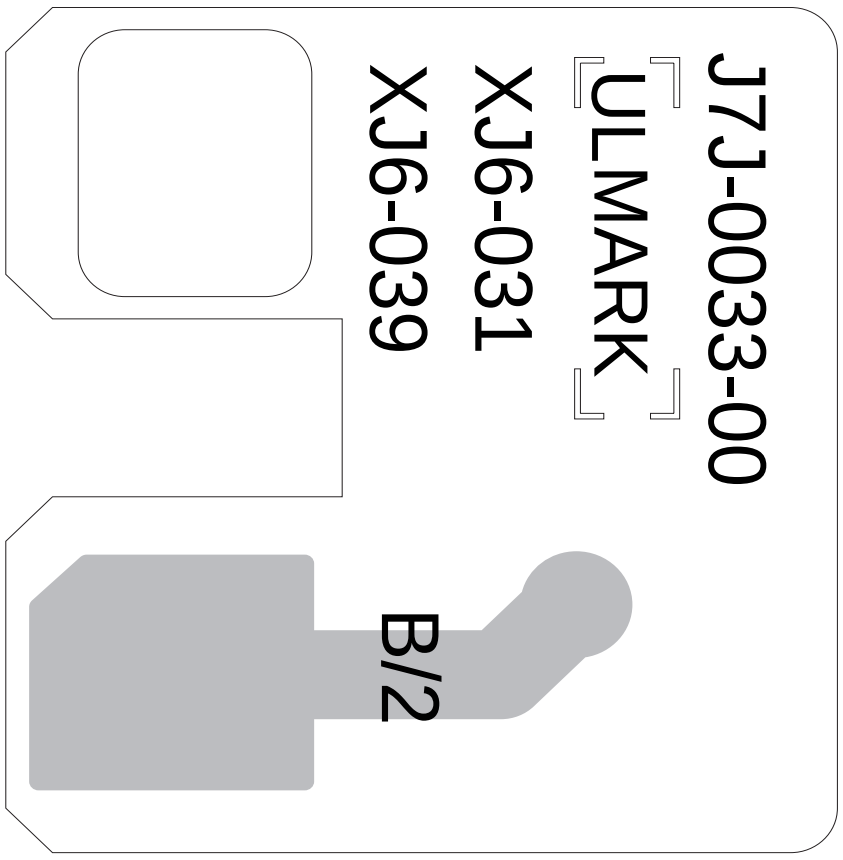
SWITCH PWB ASSY-2 XJ6-031x-xx (J7J-0033-00) Except KD-X220UR

(Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade))
(Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade))



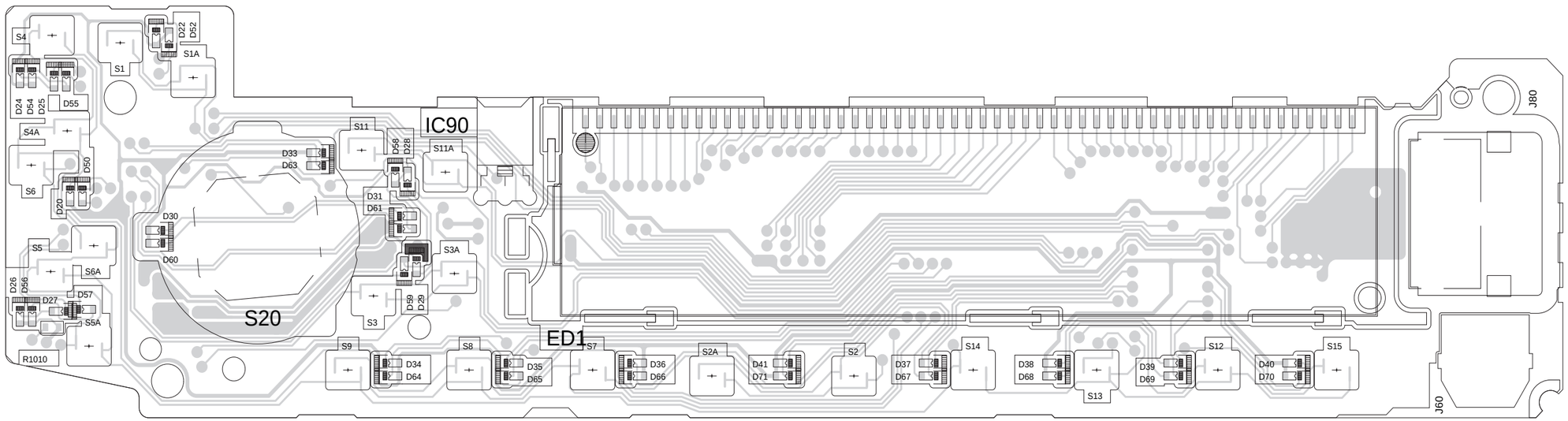
SWITCH PWB ASSY-2 XJ6-031x-xx (J7J-0033-00) Except KD-X220UR

(Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade))
(Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade))



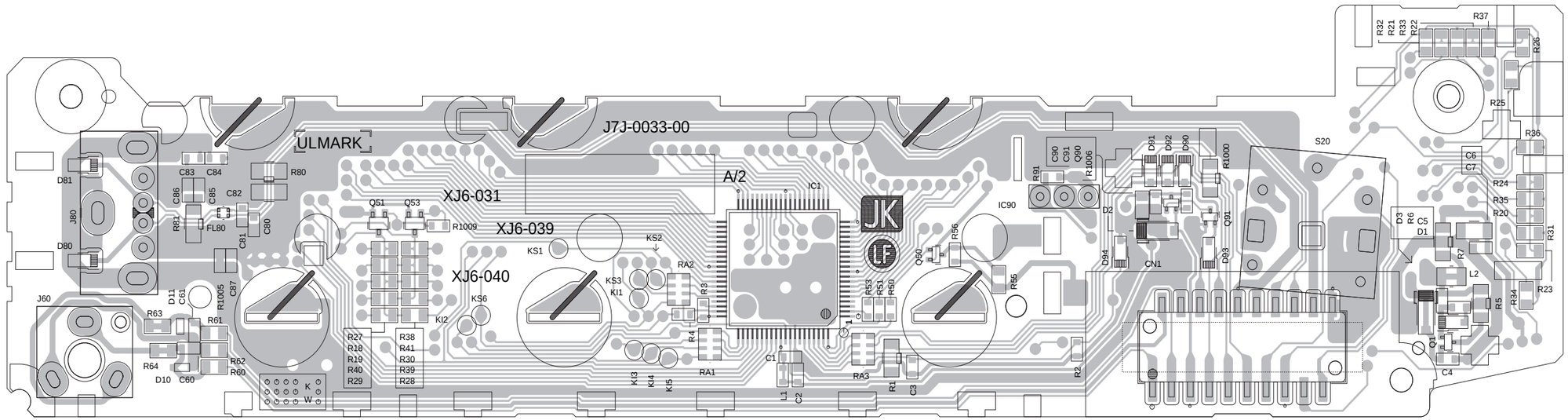
SWITCH PWB ASSY-1 XJ6-0393-21 (J7J-0033-00) KD-X220UR

(Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade))
(Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade))



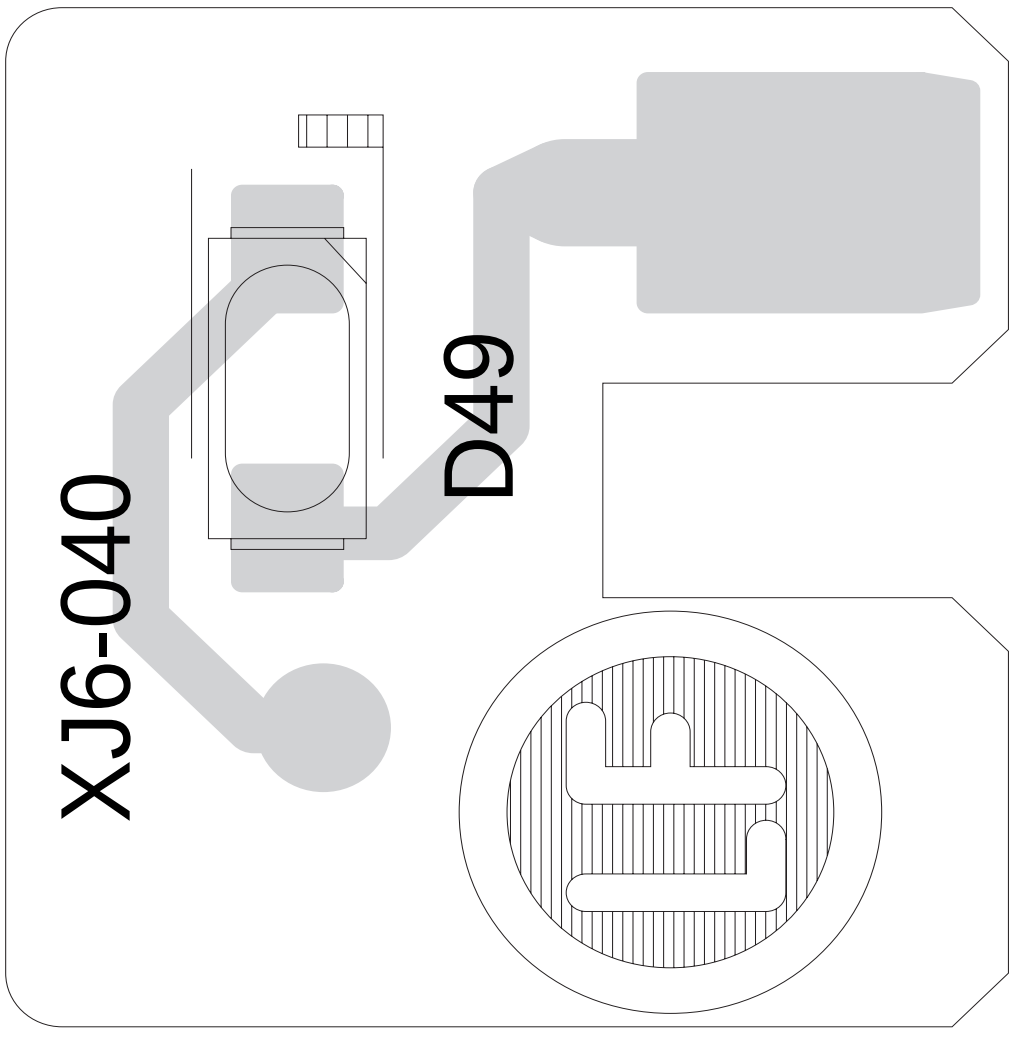
SWITCH PWB ASSY-1 XJ6-0393-21 (J7J-0033-00) KD-X220UR

(Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade))
(Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade))



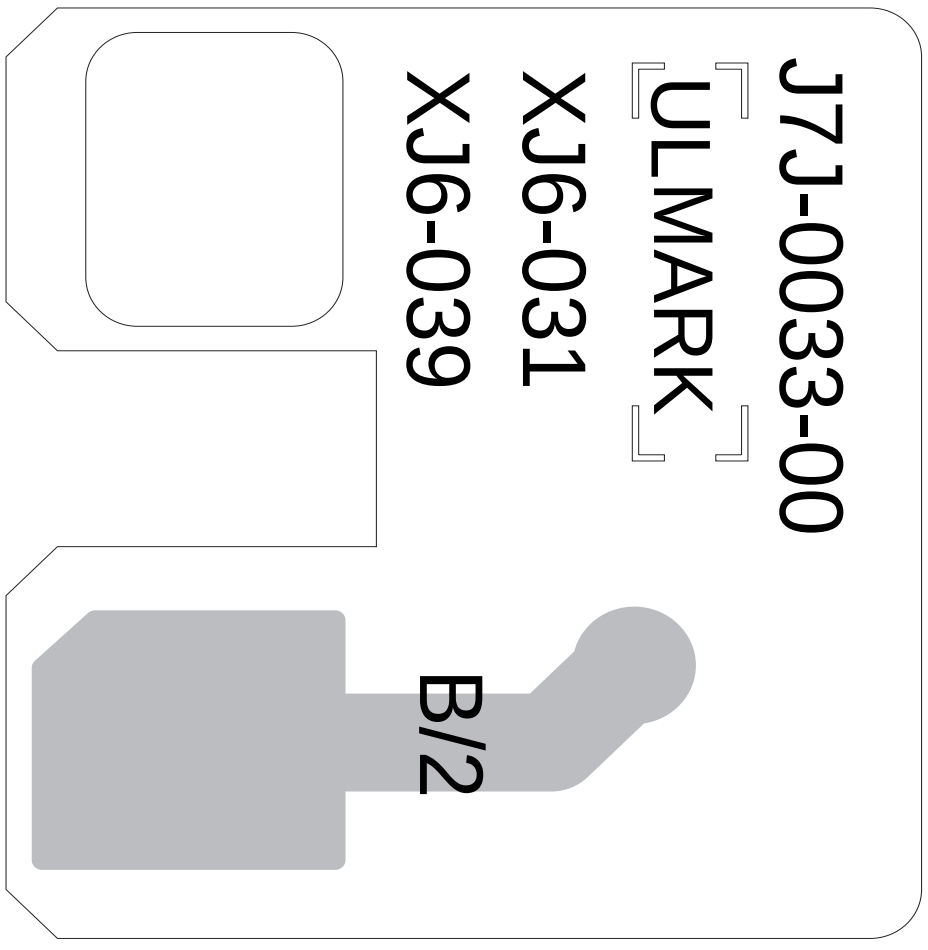
SWITCH PWB ASSY-2 XJ6-0393-21 (J7J-0033-00) KD-X220UR

(Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade))
(Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade))



SWITCH PWB ASSY-2 XJ6-0393-21 (J7J-0033-00) KD-X220UR

(Lead free solder used in the board (material : Sn-Ag-Cu, melting point : 219 Centigrade))
(Lead free solder used in the board (material : Sn-Cu, melting point : 230 Centigrade))



PARTS LIST

DIGITAL MEDIA RECEIVER

KD-X120EE	KD-X120EU	KD-X120U
KD-X120UT	KD-X125EE	KD-X220E
KD-X220EN	KD-X220EY	KD-X220J
KD-X220U	KD-X220UR	KD-X220UT

■ PRECAUTIONS ON SCHEMATIC DIAGRAMS

- Due to the improvement in performance, some part numbers shown in the circuit diagrams may not agree with those indicated in the Parts List.
- The parts numbers, values and rated voltage etc. in the Schematic Diagrams are for reference only.
- Since the circuit diagrams are standard ones, the circuits and circuit constants may be subject to change for improvement without any notice.

■ PRECAUTIONS ON PARTS LIST

- The parts identified by the ⚠ symbol are critical for 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.
- When ordering chips, screws etc., place bulk orders (unit of tens) whenever possible to improve shipping efficiency.
- There are cases where the actual implemented parts in the sets and the service parts are different. When ordering parts, make sure to refer to the Parts List.

■ PRECAUTIONS ON SERVICE

Certain parts of the power circuits and the GNDs differ according to the models. Care must be taken for the following points as the differences are indicated separately in the LIVE GND (⏚) and the ISOLATED (NEUTRAL) GND (⊥).

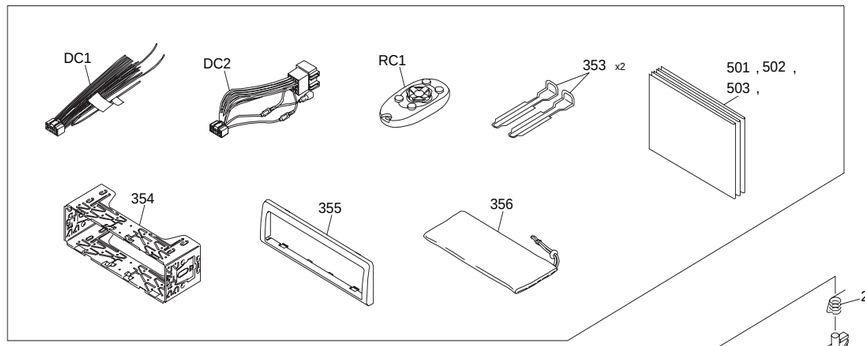
1. Do not touch the LIVE GND, or do not touch the LIVE GND and the ISOLATED (NEUTRAL) GND at the same time. It may cause an electric shock.
   Before pulling out the chassis or other parts, make sure to pull out the power cord from the wall outlet first.
2. Do not short circuit between the LIVE GND and ISOLATED (NEUTRAL) GND, or never measure the LIVE GND and ISOLATED (NEUTRAL) GND at the same time using measuring instruments (oscilloscope, etc.). It may blow fuses or damage other parts.

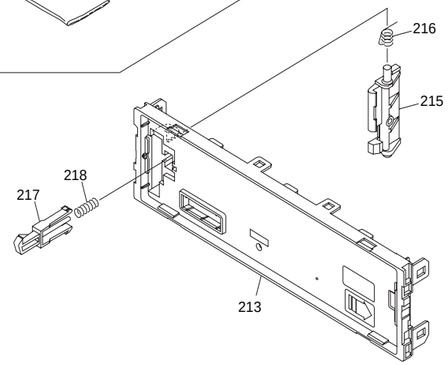
■ DEVIATION TOLERANCE RANGE

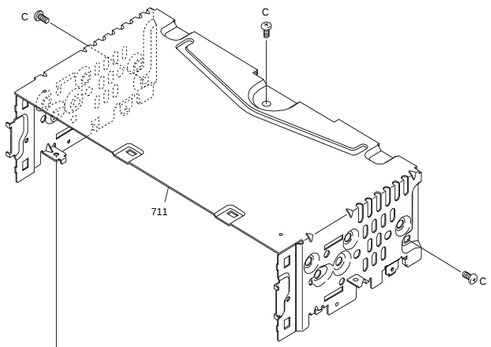
DEVIATION TOLERANCE RANGE									
F	G	J	K	M	N	R	H	Z	P
± 1%	± 2%	± 5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

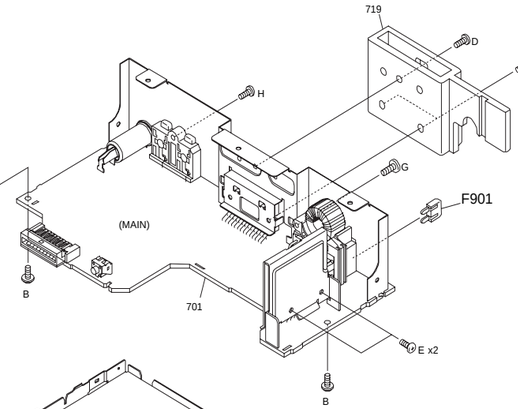
EXPLODED VIEW

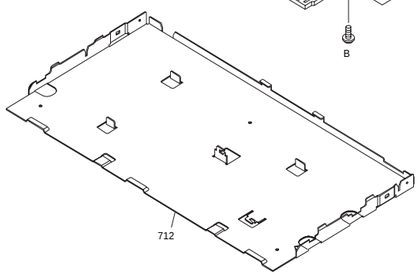
Block No.M1MM

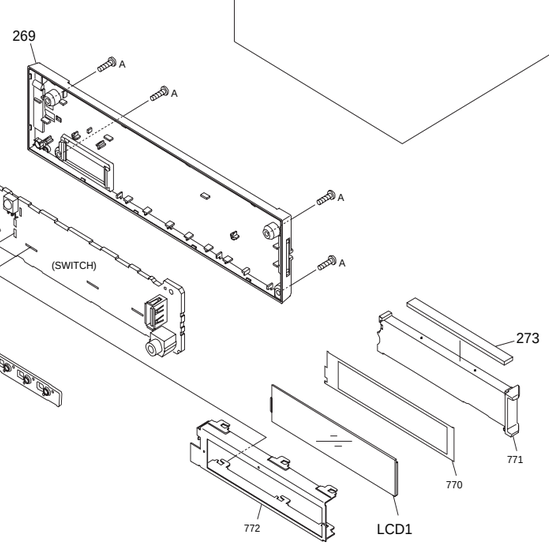


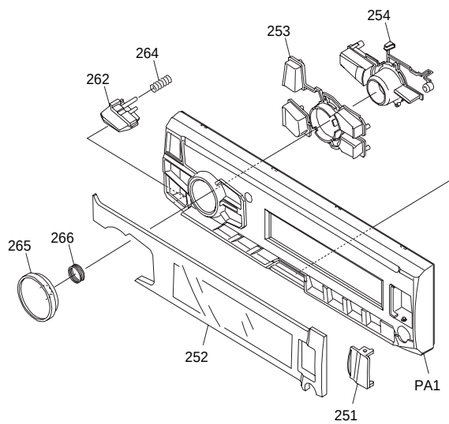












Parts with the exploded numbers larger than 700 are not supplied.

MODEL	MARK	MODEL	MARK	MODEL	MARK	MODEL	MARK
KD-X120EE	A	KD-X120EU	B	KD-X120U	C	KD-X120UT	D
KD-X125EE	E	KD-X220E	F	KD-X220EN	G	KD-X220EY	H
KD-X220J	I	KD-X220U	J	KD-X220UR	K	KD-X220UT	L

EXPLODED VIEW <M1MM>

Safe	Symbol No.	Parts No.	Parts Name	Description	QTY	Local
	DC1	QAM1329-001	DC DORD		1	B,C,D,I,J,L
	DC2	QAM1345-003	DC DORD		1	A,E,F,G,H
	DC2	QAM1378-001	DC DORD		1	K
⚠	F901	FZB10BT-100	BLADE FUSE		1	
	LCD1	B3H-0006-00	LCD		1	
	PA1	A6D-0021-00	PANEL		1	A,B,C,D,E,F,G,H,I,J,L
	PA1	A6D-0021-04	PANEL		1	K
	RC1	RM-RK52M	REMOTE CONTROL UNIT		1	C,D,I,J,K,L
	A	QYSDSF2008ZA	TAP SCREW	M2 x 8mm	4	
	B	GE40377-002A	SPECIAL SCREW		2	
	C	QYSDST2606ZA	TAP SCREW	M2.6 x 6mm	3	
	D	QYSDST2610ZA	TAP SCREW	M2.6 x 10mm	1	
	E	QYSDST2608ZA	TAP SCREW	M2.6 x 8mm	2	
	F	GE40377-005A	SPECIAL SCREW		2	
	G	QYSDSG3006ZA	TAP SCREW	M3 x 6mm	1	A,B,C,D,E,F,G,H,I,J,L
	G	QYSPSG3008ZA	TAP SCREW	M3 x 8mm	1	K
	H	QYSDSF2608ZA	TAP SCREW	M2.6 x 8mm	1	
	213	A2C-0006-00	SUB PANEL		1	A,E,F,G,H,I
	213	A2C-0006-01	SUB PANEL		1	B,C,D,J,L
	213	A2C-0006-02	SUB PANEL		1	K
	215	GE35609-001A	LOCK LEVER		1	
	216	GE40514-004A	TORSION SPRING		1	
	217	GE35611-001A	RELEASE LEVER		1	
	218	GE30999-014A	COMP.SPRING		1	
	251	F0G-0011-00	COVER	USB DOOR	1	A,B,C,D,E,F,G,H,I,J,L
	251	F0G-0011-01	COVER	USB DOOR	1	K
	252	B1A-0014-02	FRONT GLASS		1	A
	252	B1A-0014-01	FRONT GLASS		1	B,C,D
	252	B1A-0014-03	FRONT GLASS		1	E
	252	B1A-0014-06	FRONT GLASS		1	F,G,H
	252	B1A-0014-04	FRONT GLASS		1	I
	252	B1A-0014-05	FRONT GLASS		1	J,L
	252	B1A-0014-0A	FRONT GLASS		1	K
	253	K2F-0012-00	PUSH KNOB	SEARCH BTN	1	A,B,C,D,E,F,G,H,I,J,L
	253	K2F-0012-01	PUSH KNOB	SEARCH BTN	1	K
	254	K2F-0014-00	PUSH KNOB	FN BTN	1	A,B,C,D,E
	254	K2F-0014-01	PUSH KNOB	FN BTN	1	F,G,H,I,J,L
	254	K2F-0014-04	PUSH KNOB	FN BTN	1	K
	256	K2E-0008-00	PUSH KNOB	SRC BTN	1	A,B,C,D,E,F,G,H,I,J,L
	256	K2E-0008-01	PUSH KNOB	SRC BTN	1	K
	258	K2F-0013-00	PUSH KNOB	PRESET BTN	1	A,B,C,D,E,F,G,H,I,J,L
	258	K2F-0013-01	PUSH KNOB	PRESET BTN	1	K
	262	K2E-0009-00	PUSH KNOB	DETACH BTN	1	A,B,C,D,E,F,G,H,I,J,L
	262	K2E-0009-02	PUSH KNOB	DETACH BTN	1	K
	264	GE30999-012A	COMP.SPRING		1	
	265	K2K-0102-03	KNOB	VOL KNOB	1	A,B,C,D,E
	265	K2K-0102-00	KNOB	VOL KNOB	1	F,G,H,I,J,L
	265	K2K-0102-05	KNOB	VOL KNOB	1	K
	266	GE40127-006A	KNOB SPRING		1	
	267	B1K-0015-00	LIGHTING BOARD	LIGHT GUIDE	1	A,B,C,D,E,F,G,H,I,J,L
	267	B1K-0015-01	LIGHTING BOARD	LIGHT GUIDE	1	K
	268	E2K-0010-00	CONDUCT RUBBER		1	
	269	A4G-0010-00	REAR COVER		1	A,B,C,D,E,F,G,H,I,J,L
	269	A4G-0010-01	REAR COVER		1	K
	273	E2K-0013-00	CONDUCT RUBBER		1	
	353	GE40646-001A	HOOK		2	
	354	GE20342-001A	MOUNTING SLEEVE		1	
	355	GE20363-001A	TRIM PLATE		1	
	356	GE40521-001A	CARRYING CASE		1	A,C,D,E,J,K
	501	B5A-0118-06	INST.MANUAL	ENG FRE RUS PER TUR ARA	1	B
	501	B5A-0116-02	INST.MANUAL	CHI(TAIWAN)	1	C,D,J,L
	501	B5A-0118-02	INST.MANUAL	GER	1	F,G,H
	501	B5A-0115-00	INST.MANUAL	ENG FRE SPA	1	I
	501	B5A-0196-00	INST.MANUAL	POR(LATIN AMERICA)	1	K
	502	B5A-0118-05	INST.MANUAL	RUS UKR	1	A,E,H
	502	B5A-0116-01	INST.MANUAL	RUS PER THA ARA	1	C,J
	502	B5A-0116-03	INST.MANUAL	KOR	1	D,L
	502	B5A-0118-00	INST.MANUAL	ENG FRE	1	F,G
	503	B5A-0116-00	INST.MANUAL	ENG	1	C,J
	503	B5A-0118-01	INST.MANUAL	SPA ITA POR DUR GRE	1	F
	503	B5A-0118-03	INST.MANUAL	DAN SWE FIN	1	G
	503	B5A-0118-04	INST.MANUAL	POL HUN CZE ROM BUL	1	H

MODEL	MARK	MODEL	MARK	MODEL	MARK	MODEL	MARK
KD-X120EE	A	KD-X120EU	B	KD-X120U	C	KD-X120UT	D
KD-X125EE	E	KD-X220E	F	KD-X220EN	G	KD-X220EY	H
KD-X220J	I	KD-X220U	J	KD-X220UR	K	KD-X220UT	L

Safe	Symbol No.	Parts No.	Parts Name	Description	QTY	Local
MAIN PWB ASSY (XJ1-049x-xx) <01>						
	IC161	TDA7718C	ANALOG IC		1	A,B,C,D,E,F,G,H,I,J,L
⚠	IC301	JCV8034	IC		1	A,B,C,D,E,F,G,H,I,J,L
	IC411	MFI337S3959-X	IC		1	F,G,H,I,J,L
	IC555	AK4387ET	ANALOG IC		1	A,B,C,D,E,F,G,H,I,J,L
⚠	IC601	TEF6657HN-X	IC		1	A,B,C,D,E,F,G,H,I,J,L
⚠	IC701	R5S726A0D216FP	IC		1	A,B,C,D,E,F,G,H,I,J,L
⚠	IC821	W3F-0026-00	IC		1	A,B,C,D,E,F,G,H,I,J,L
	IC831	BU4228F-W	IC		1	A,B,C,D,E,F,G,H,I,J,L
	IC841	BR24T02FJ-W-X	IC		1	A,B,C,D,E,F,G,H,I,J,L
	IC851	BU1CTD3WG-W	IC		1	A,B,C,D,E,F,G,H,I,J,L
	IC861	MP9942GJ	ANALOG IC		1	A,B,C,D,E,F,G,H,I,J,L
	IC891	NCP380HSNAJAA-X	IC		1	A,B,C,D,E,F,G,H,I,J,L
⚠	IC901	LV5685PV-H	ANALOG IC		1	A,B,C,D,E,F,G,H,I,J,L
	Q250	LTC043TEB-X	DIGI TRANSISTOR		1	A,B,C,D,E,F,G,H,I,J,L
	Q260	LTC043TEB-X	DIGI TRANSISTOR		1	A,B,C,D,E,F,G,H,I,J,L
	Q270	LTA024EEB-X	DIGI TRANSISTOR		1	A,B,C,D,E,F,G,H,I,J,L
	Q271	LSAR523UBFS8	TRANSISTOR		1	A,B,C,D,E,F,G,H,I,J,L
	Q272	LTC024EEB-X	DIGI TRANSISTOR		1	A,B,C,D,E,F,G,H,I,J,L
	Q273	LTA024EEB-X	DIGI TRANSISTOR		1	A,B,C,D,E,F,G,H,I,J,L
	Q360	LSCR523UBFS8	TRANSISTOR		1	A,B,C,D,E,F,G,H,I,J,L
	Q701	LTA014YEB-X	DIGI TRANSISTOR		1	A,B,C,D,E,F,G,H,I,J,L
	D100	RSB6.8SM-X	BP Z DIODE		1	A,B,C,D,E,F,G,H,I,J,L
	D101	RSB6.8SM-X	BP Z DIODE		1	A,B,C,D,E,F,G,H,I,J,L
	D270	BAW56-TP-X	SI DIODE		1	A,B,C,D,E,F,G,H,I,J,L
	D271	BAW56-TP-X	SI DIODE		1	A,B,C,D,E,F,G,H,I,J,L
	D273	DA2J101	DIODE		1	A,B,C,D,E,F,G,H,I,J,L
	D360	DZ2J068M	ZENER DIODE		1	A,B,C,D,E,F,G,H,I,J,L
	D370	BAW56-TP-X	SI DIODE		1	A,B,C,D,E,F,G,H,I,J,L
	D390	MBRX130	SCHOTTKY DIODE		1	A,B,C,D,E,F,G,H,I,J,L
	D391	MBRX130	SCHOTTKY DIODE		1	A,B,C,D,E,F,G,H,I,J,L
	D400	RB521SM-30-X	SB DIODE		1	A,B,C,D,E,F,G,H,I,J,L
	D401	DZ2J051M	ZENER DIODE		1	A,B,C,D,E,F,G,H,I,J,L
	D861	DB22306	SCHOTTKY DIODE		1	A,B,C,D,E,F,G,H,I,J,L
	D902	SK34A-L-X	SB DIODE		1	A,B,C,D,E,F,G,H,I,J,L
	D903	SK34A-L-X	SB DIODE		1	A,B,C,D,E,F,G,H,I,J,L
⚠	D990	1N5401-BPC04	SI DIODE		1	A,B,C,D,E,F,G,H,I,J,L
	C100	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C101	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C102	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C103	CK73GXR1C105K	C CAPACITOR	1uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C104	CK73GXR1C105K	C CAPACITOR	1uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C105	CK73GXR1C105K	C CAPACITOR	1uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C161	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	A,B,C,D,E,F,G,H,I,J,L
⚠	C162	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	A,B,C,D,E,F,G,H,I,J,L
	C163	CD04AV1V4R7M	E CAPACITOR	4.7uF 35V M	1	A,B,C,D,E,F,G,H,I,J,L
	C164	CD04AV1V4R7M	E CAPACITOR	4.7uF 35V M	1	A,B,C,D,E,F,G,H,I,J,L
	C165	CD04AV1C100M	E CAPACITOR	10uF 16V M	1	A,B,C,D,E,F,G,H,I,J,

MODEL	MARK	MODEL	MARK	MODEL	MARK	MODEL	MARK
KD-X120EE	A	KD-X120EU	B	KD-X120U	C	KD-X120UT	D
KD-X125EE	E	KD-X220E	F	KD-X220EN	G	KD-X220EY	H
KD-X220J	I	KD-X220U	J	KD-X220UR	K	KD-X220UT	L

Safe	Symbol No.	Parts No.	Parts Name	Description	QTY	Local
	C166	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C167	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	A,B,C,D,E,F,G,H,I,J,L
	C168	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	A,B,C,D,E,F,G,H,I,J,L
	C169	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	A,B,C,D,E,F,G,H,I,J,L
	C171	CK73GXR1C105K	C CAPACITOR	1uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C172	CD04AS1C220M	E CAPACITOR	22uF 16V M	1	A,B,C,D,E,F,G,H,I,J,L
	C177	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	A,B,C,D,E,F,G,H,I,J,L
	C251	CK73EBB1C475K	C CAPACITOR	4.7uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C261	CK73EBB1C475K	C CAPACITOR	4.7uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C303	CC73GCH1H820J	C CAPACITOR	82pF 50V J	1	A,B,C,D,E,F,G,H,I,J,L
	C304	QEZ0982-476Z	E CAPACITOR	47uF	1	A,B,C,D,E,F,G,H,I,J,L
	C305	CC73GCH1H820J	C CAPACITOR	82pF 50V J	1	A,B,C,D,E,F,G,H,I,J,L
	C306	CC73GCH1H820J	C CAPACITOR	82pF 50V J	1	A,B,C,D,E,F,G,H,I,J,L
	C311	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	A,B,C,D,E,F,G,H,I,J,L
	C313	CK73GXR0J475K	C CAPACITOR	4.7uF 6.3V K	1	A,B,C,D,E,F,G,H,I,J,L
	C314	CK730AV1C105K	C CAPACITOR	1uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C316	CK73GBB1C224K	C CAPACITOR	0.22uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C317	CK73GBB1C224K	C CAPACITOR	0.22uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C318	CK73GBB1C224K	C CAPACITOR	0.22uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C319	CK73GBB1C224K	C CAPACITOR	0.22uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C360	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	A,B,C,D,E,F,G,H,I,J,L
	C361	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C370	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C390	CK73FBB1H224K	C CAPACITOR	0.22uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C391	CK73FBB1C105K	C CAPACITOR	1uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C392	CK73FBB1C105K	C CAPACITOR	1uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C410	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	F,G,H,I,J,L
	C571	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C572	CK73FXR0J106K	C CAPACITOR	10uF 6.3V K	1	A,B,C,D,E,F,G,H,I,J,L
	C573	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C574	CK73FXR1C106K	C CAPACITOR	10uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C575	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C576	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C588	CK73GBB1H102K	C CAPACITOR	1000pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C589	CK73GBB1H102K	C CAPACITOR	1000pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C598	CK73GBB1H152K	C CAPACITOR	1500pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C599	CK73GBB1H152K	C CAPACITOR	1500pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C601	CK73FXR0J106K	C CAPACITOR	10uF 6.3V K	1	A,B,C,D,E,F,G,H,I,J,L
	C602	CK73FXR0J106K	C CAPACITOR	10uF 6.3V K	1	A,B,C,D,E,F,G,H,I,J,L
	C603	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C604	CK73GBB1H152K	C CAPACITOR	1500pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C605	CC73GCH1H102J	C CAPACITOR	1000pF 50V J	1	A,B,C,D,E,F,G,H,I,J,L
	C606	CC73GCH1H090D	C CAPACITOR	9pF 50V D	1	A,B,C,D,E,F,G,H,I,J,L
⚠	C607	CC73GCH1H010C	C CAPACITOR	1pF 50V C	1	A,B,C,D,E,F,G,H,I,J,L
	C608	CC73GCH1H102J	C CAPACITOR	1000pF 50V J	1	A,B,C,D,E,F,G,H,I,J,L
	C609	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C610	CC73GCH1H120J	C CAPACITOR	12pF 50V J	1	A,B,C,D,E,F,G,H,I,J,L

MODEL	MARK	MODEL	MARK	MODEL	MARK	MODEL	MARK
KD-X120EE	A	KD-X120EU	B	KD-X120U	C	KD-X120UT	D
KD-X125EE	E	KD-X220E	F	KD-X220EN	G	KD-X220EY	H
KD-X220J	I	KD-X220U	J	KD-X220UR	K	KD-X220UT	L

Safe	Symbol No.	Parts No.	Parts Name	Description	QTY	Local
⚠	C611	CC73GCH1H010C	C CAPACITOR	1pF 50V C	1	A,B,C,D,E,F,G,H,I,J,L
	C612	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C614	CC73GCH1H220J	C CAPACITOR	22pF 50V J	1	A,B,C,D,E,F,G,H,I,J,L
	C615	CC73GCH1H330J	C CAPACITOR	33pF 50V J	1	A,B,C,D,E,F,G,H,I,J,L
	C616	CC73GCH1H102J	C CAPACITOR	1000pF 50V J	1	A,B,C,D,E,F,G,H,I,J,L
	C617	CK73GBB1C224K	C CAPACITOR	0.22uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C618	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C624	CK73FXR0J106K	C CAPACITOR	10uF 6.3V K	1	A,B,C,D,E,F,G,H,I,J,L
	C626	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C627	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	C,D,J,L
	C630	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C700	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C701	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C702	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C703	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C704	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C705	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C706	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C707	CC73GCH1H090D	C CAPACITOR	9pF 50V D	1	A,B,C,D,E,F,G,H,I,J,L
	C708	CC73GCH1H090D	C CAPACITOR	9pF 50V D	1	A,B,C,D,E,F,G,H,I,J,L
	C709	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C710	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C711	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C712	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C713	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C716	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C717	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C718	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C721	CC73GCH1H120J	C CAPACITOR	12pF 50V J	1	A,B,C,D,E,F,G,H,I,J,L
	C722	CC73GCH1H120J	C CAPACITOR	12pF 50V J	1	A,B,C,D,E,F,G,H,I,J,L
	C723	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C724	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C725	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C727	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C820	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C821	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C830	CK73GBB1H682K	C CAPACITOR	6800pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C831	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C832	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C840	CK73GBB1C473K	C CAPACITOR	0.047uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C850	CK73GBB1C474K	C CAPACITOR	0.47uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C852	CD04AS0J101M	E CAPACITOR	100uF 6.3V M	1	A,B,C,D,E,F,G,H,I,J,L
	C854	CK73GBB1C474K	C CAPACITOR	0.47uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C860	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C861	CK73EXR1E106K	C CAPACITOR	10uF 25V K	1	A,B,C,D,E,F,G,H,I,J,L
	C862	CK73EXR1E106K	C CAPACITOR	10uF 25V K	1	A,B,C,D,E,F,G,H,I,J,L
	C863	CK73GBB1C224K	C CAPACITOR	0.22uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L

MODEL	MARK	MODEL	MARK	MODEL	MARK	MODEL	MARK
KD-X120EE	A	KD-X120EU	B	KD-X120U	C	KD-X120UT	D
KD-X125EE	E	KD-X220E	F	KD-X220EN	G	KD-X220EY	H
KD-X220J	I	KD-X220U	J	KD-X220UR	K	KD-X220UT	L

Safe	Symbol No.	Parts No.	Parts Name	Description	QTY	Local
	C864	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C865	CK73EXR1E106K	C CAPACITOR	10uF 25V K	1	A,B,C,D,E,F,G,H,I,J,L
	C867	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C868	QEZ0850-157Z	E CAPACITOR	150uF	1	A,B,C,D,E,F,G,H,I,J,L
	C869	CK73GBB1C224K	C CAPACITOR	0.22uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C870	CC73GCH1H150J	C CAPACITOR	15pF 50V J	1	A,B,C,D,E,F,G,H,I,J,L
	C877	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C891	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C892	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C904	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	A,B,C,D,E,F,G,H,I,J,L
	C905	CD04AR1C471M	E CAPACITOR	470uF 16V M	1	A,B,C,D,E,F,G,H,I,J,L
	C907	CD04AS0J101M	E CAPACITOR	100uF 6.3V M	1	A,B,C,D,E,F,G,H,I,J,L
	C908	CK73GXR1C105K	C CAPACITOR	1uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C909	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C911	CK73EBB1C475K	C CAPACITOR	4.7uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C912	CK73EXR1A106K	C CAPACITOR	10uF 10V K	1	A,B,C,D,E,F,G,H,I,J,L
	C920	CK73GXR1C105K	C CAPACITOR	1uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C930	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	A,B,C,D,E,F,G,H,I,J,L
	C931	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C990	CD04ET1C102M	E CAPACITOR		1	A,B,C,D,E,F,G,H,I,J,L
	C1000	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C1002	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C1010	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	C,D,J,L
	C1011	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	C,D,J,L
	C1012	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	C,D,J,L
	C1013	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	C,D,J,L
	C1014	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	C,D,J,L
	C1015	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	C,D,J,L
	C1016	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	C,D,J,L
	C1017	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	C,D,J,L
	C1040	CK73GBB1C474K	C CAPACITOR	0.47uF 16V K	1	C,D,J,L
	C1050	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C1051	CC73GCH1H050C	C CAPACITOR	5pF 50V C	1	A,B,C,D,E,F,G,H,I,J,L
	C1055	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C1056	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	A,B,C,D,E,F,G,H,I,J,L
	C1057	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C1064	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C1069	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C1070	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C1071	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C1072	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C1073	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C1074	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C1082	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C1084	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C1085	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C1089	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C1090	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C1091	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C1094	CC73GCH1H121J	C CAPACITOR	120pF 50V J	1	A,B,C,D,E,F,G,H,I,J,L
	C1095	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C1096	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	A,B,C,D,E,F,G,H,I,J,

MODEL	MARK	MODEL	MARK	MODEL	MARK	MODEL	MARK
KD-X120EE	A	KD-X120EU	B	KD-X120U	C	KD-X120UT	D
KD-X125EE	E	KD-X220E	F	KD-X220EN	G	KD-X220EY	H
KD-X220J	I	KD-X220U	J	KD-X220UR	K	KD-X220UT	L

Safe	Symbol No.	Parts No.	Parts Name	Description	QTY	Local
	C1098	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	R100	RK73GB2A471J	MG RESISTOR	470Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R101	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R102	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R103	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R104	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R105	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R167	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R168	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R169	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R170	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R171	RK73GB2A103J	MG RESISTOR	10kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R250	RK73GB2A181J	MG RESISTOR	180Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R251	RK73GB2A223J	MG RESISTOR	22kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R252	RK73GB2A331J	MG RESISTOR	330Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R260	RK73GB2A181J	MG RESISTOR	180Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R261	RK73GB2A223J	MG RESISTOR	22kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R262	RK73GB2A331J	MG RESISTOR	330Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R270	RK73GB2A104J	MG RESISTOR	100kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R271	RK73GB2A331J	MG RESISTOR	330Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R273	RK73GB2A223J	MG RESISTOR	22kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R302	RK73GB2A222J	MG RESISTOR	2.2kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R303	RK73EB2E5R1J	MG RESISTOR	5.1Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R304	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R307	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R360	RK73GB2A223J	MG RESISTOR	22kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R361	RK73GB2A333J	MG RESISTOR	33kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R362	RK73GB2A223J	MG RESISTOR	22kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R363	RK73GB2A472J	MG RESISTOR	4.7kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R364	RK73GB2A472J	MG RESISTOR	4.7kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R365	RK73GB2A104J	MG RESISTOR	100kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R370	RK73GB2A683J	MG RESISTOR	68kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R371	RK73GB2A123J	MG RESISTOR	12kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R372	RK73GB2A103J	MG RESISTOR	10kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R381	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	C,D,J,L
	R390	RK73EB2E472J	MG RESISTOR	4.7kΩ 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R400	RK73GB2A102J	MG RESISTOR	1kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R403	RK73GB2A223J	MG RESISTOR	22kΩ 1/10W J	1	A,E,F,G,H
	R403	RK73GB2A303J	MG RESISTOR	30kΩ 1/10W J	1	B,C,D,I,J,L
	R410	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	F,G,H,I,J,L
	R411	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	F,G,H,I,J,L
	R412	RK73GB2A472J	MG RESISTOR	4.7kΩ 1/10W J	1	F,G,H,I,J,L
	R413	RK73GB2A472J	MG RESISTOR	4.7kΩ 1/10W J	1	F,G,H,I,J,L
	R414	RK73GB2A472J	MG RESISTOR	4.7kΩ 1/10W J	1	F,G,H,I,J,L
	R431	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R432	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R571	RK73GB2A910J	MG RESISTOR	91Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R572	RK73GB2A221J	MG RESISTOR	220Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R573	RK73GB2A181J	MG RESISTOR	180Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R574	RK73GB2A221J	MG RESISTOR	220Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L

MODEL	MARK	MODEL	MARK	MODEL	MARK	MODEL	MARK
KD-X120EE	A	KD-X120EU	B	KD-X120U	C	KD-X120UT	D
KD-X125EE	E	KD-X220E	F	KD-X220EN	G	KD-X220EY	H
KD-X220J	I	KD-X220U	J	KD-X220UR	K	KD-X220UT	L

Safe	Symbol No.	Parts No.	Parts Name	Description	QTY	Local
	R588	RK73GB2A102J	MG RESISTOR	1kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R589	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R598	RK73GB2A102J	MG RESISTOR	1kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R599	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R600	RK73GB2A102J	MG RESISTOR	1kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R601	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R602	RK73GB2A820J	MG RESISTOR	82Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R603	RK73GB2A105J	MG RESISTOR	1MΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R604	RK73GB2A105J	MG RESISTOR	1MΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R605	RK73GB2A4R7J	MG RESISTOR	4.7Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R611	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R612	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R700	RK73GB2A163J	MG RESISTOR	16kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R701	RK73GB2A162J	MG RESISTOR	1.6kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R702	RK73GB2A472J	MG RESISTOR	4.7kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R703	RK73GB2A162J	MG RESISTOR	1.6kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R704	RK73GB2A162J	MG RESISTOR	1.6kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R705	RK73GB2A162J	MG RESISTOR	1.6kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R707	RK73GB2A162J	MG RESISTOR	1.6kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R710	RK73GB2A222J	MG RESISTOR	2.2kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R711	RK73GB2A222J	MG RESISTOR	2.2kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R712	RK73GB2A102J	MG RESISTOR	1kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R713	RK73GB2A222J	MG RESISTOR	2.2kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R714	RK73GB2A102J	MG RESISTOR	1kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R715	RK73GB2A222J	MG RESISTOR	2.2kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R716	RK73GB2A222J	MG RESISTOR	2.2kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R717	RK73GB2A104J	MG RESISTOR	100kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R719	RK73GB2A162J	MG RESISTOR	1.6kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R720	RK73GB2A105J	MG RESISTOR	1MΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R721	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R722	RK73GB2A911J	MG RESISTOR	910Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R723	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R724	RK73GB2A105J	MG RESISTOR	1MΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R725	RK73GB2A222J	MG RESISTOR	2.2kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R726	RK73GB2A220J	MG RESISTOR	22Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R727	RK73GB2A153J	MG RESISTOR	15kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R728	RK73GB2A220J	MG RESISTOR	22Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R729	RK73GB2A153J	MG RESISTOR	15kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R730	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R732	RK73GB2A393J	MG RESISTOR	39kΩ 1/10W J	1	E,F,G,H,J,L
	R733	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	A,B,C,D,I
	R733	RK73GB2A822J	MG RESISTOR	8.2kΩ 1/10W J	1	E,F,G,H,J,L
	R734	RK73GB2A223J	MG RESISTOR	22kΩ 1/10W J	1	A,E
	R734	RK73GB2A273J	MG RESISTOR	27kΩ 1/10W J	1	B,F,G,H
	R734	RK73GB2A393J	MG RESISTOR	39kΩ 1/10W J	1	C,D,J,L
	R735	RK73GB2A273J	MG RESISTOR	27kΩ 1/10W J	1	A,E
	R735	RK73GB2A223J	MG RESISTOR	22kΩ 1/10W J	1	B,F,G,H
	R735	RK73GB2A822J	MG RESISTOR	8.2kΩ 1/10W J	1	C,D,J,L
	R735	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	I
	R739	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R740	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R741	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L

MODEL	MARK	MODEL	MARK	MODEL	MARK	MODEL	MARK
KD-X120EE	A	KD-X120EU	B	KD-X120U	C	KD-X120UT	D
KD-X125EE	E	KD-X220E	F	KD-X220EN	G	KD-X220EY	H
KD-X220J	I	KD-X220U	J	KD-X220UR	K	KD-X220UT	L

Safe	Symbol No.	Parts No.	Parts Name	Description	QTY	Local
	R742	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R743	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R744	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R745	RK73GB2A222J	MG RESISTOR	2.2kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R746	RK73GB2A682J	MG RESISTOR	6.8kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R747	RK73GB2A682J	MG RESISTOR	6.8kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R749	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R750	RK73GB2A201J	MG RESISTOR	200Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R751	RK73GB2A201J	MG RESISTOR	200Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R752	RK73GB2A161J	MG RESISTOR	160Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R753	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R754	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R755	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R756	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R757	RK73GB2A123J	MG RESISTOR	12kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R758	RK73GB2A620J	MG RESISTOR	62Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R759	RK73GB2A203J	MG RESISTOR	20kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R760	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R765	RK73GB2A472J	MG RESISTOR	4.7kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R766	RK73GB2A472J	MG RESISTOR	4.7kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R776	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R777	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R778	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R779	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R781	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R816	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R819	RK73GB2A332J	MG RESISTOR	3.3kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R820	RK73EB2E473J	MG RESISTOR	47kΩ 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R821	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R822	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R830	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R840	RK73GB2A271J	MG RESISTOR	270Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R841	RK73GB2A271J	MG RESISTOR	270Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R861	RK73GB2A200J	MG RESISTOR	20Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R862	RK73EB2E271J	MG RESISTOR	270Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R864	RK73GB2A393J	MG RESISTOR	39kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R865	RK73GH2A683D	MG RESISTOR	68kΩ 1/10W D	1	A,B,C,D,E,F,G,H,I,J,L
	R867	RK73GH2A393D	MG RESISTOR	39kΩ 1/10W D	1	A,B,C,D,E,F,G,H,I,J,L
	R868	RK73GH2A183D	MG RESISTOR	18kΩ 1/10W D	1	A,B,C,D,E,F,G,H,I,J,L
	R869	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R890	RK73GH2A203D	MG RESISTOR	20kΩ 1/10W D	1	A,B,C,D,E,F,G,H,I,J,L
	R892	RK73EB2E222J	MG RESISTOR	2.2kΩ 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R930	RK73GB2A103J	MG RESISTOR	10kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R969	RK73EB2E473J	MG RESISTOR	47kΩ 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R978	RK73EB2E473J	MG RESISTOR	47kΩ 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R979	RK73EB2E682J	MG RESISTOR	6.8kΩ 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R980	RK73EB2E682J	MG RESISTOR	6.8kΩ 1/4W J	1	A,B,C,D,E,F,G,H,I,J,

MODEL	MARK	MODEL	MARK	MODEL	MARK	MODEL	MARK
KD-X120EE	A	KD-X120EU	B	KD-X120U	C	KD-X120UT	D
KD-X125EE	E	KD-X220E	F	KD-X220EN	G	KD-X220EY	H
KD-X220J	I	KD-X220U	J	KD-X220UR	K	KD-X220UT	L

Safe	Symbol No.	Parts No.	Parts Name	Description	QTY	Local
	R1003	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1004	RK73EB2E271J	MG RESISTOR	270Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1005	RK73EB2E271J	MG RESISTOR	270Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1006	RK73EB2E271J	MG RESISTOR	270Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1051	RK73GH2A100D	MG RESISTOR	10Ω 1/10W D	1	A,B,C,D,E,F,G,H,I,J,L
	R1060	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1061	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1069	RK73GB2A333J	MG RESISTOR	33kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1070	RK73GB2A102J	MG RESISTOR	1kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1071	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1073	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1074	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1075	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1076	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1077	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1082	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1091	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1170	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1404	RK73GB2A100J	MG RESISTOR	10Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1405	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1406	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1407	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1408	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1414	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1415	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1416	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1417	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1419	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1421	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1425	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1426	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1428	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1429	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1430	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1432	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1434	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	L591	LR73Z0AD4R7M	CHIP INDUCTOR	4.7uH	1	A,B,C,D,E,F,G,H,I,J,L
	L600	LR73Z0AD4R7M	CHIP INDUCTOR	4.7uH	1	A,B,C,D,E,F,G,H,I,J,L
	L601	LK73G0BE4R7K	M.CHIP INDUCTOR		1	A,B,C,D,E,F,G,H,I,J,L
	L602	LK73G0BER47K	M.CHIP INDUCTOR		1	A,B,C,D,E,F,G,H,I,J,L
	L603	NQLM93K-R10X	INDUCTOR	0.1uH K	1	A,B,C,D,E,F,G,H,I,J,L
	L604	LK73G0BE1R0K	M.CHIP INDUCTOR		1	A,B,C,D,E,F,G,H,I,J,L
	L605	LK73G0BER22K	M.CHIP INDUCTOR		1	A,B,C,D,E,F,G,H,I,J,L
	L606	LK73G0BER12K	M.CHIP INDUCTOR		1	A,B,C,D,E,F,G,H,I,J,L
	L607	LK73G0BER15K	M.CHIP INDUCTOR		1	A,B,C,D,E,F,G,H,I,J,L
	L609	LR73Z0AD4R7M	CHIP INDUCTOR	4.7uH	1	A,B,C,D,E,F,G,H,I,J,L
	L610	NQR0715-001X	FERRITE BEADS		1	A,B,C,D,E,F,G,H,I,J,

MODEL	MARK	MODEL	MARK	MODEL	MARK	MODEL	MARK
KD-X120EE	A	KD-X120EU	B	KD-X120U	C	KD-X120UT	D
KD-X125EE	E	KD-X220E	F	KD-X220EN	G	KD-X220EY	H
KD-X220J	I	KD-X220U	J	KD-X220UR	K	KD-X220UT	L

Safe	Symbol No.	Parts No.	Parts Name	Description	QTY	Local
						L
	L611	NQR0715-001X	FERRITE BEADS		1	A,B,C,D,E,F,G,H,I,J,L
	L701	LB73G0BK-006	CHIP FERRITE		1	A,B,C,D,E,F,G,H,I,J,L
	L709	NQR0713-001X	FERRITE BEADS		1	A,B,C,D,E,F,G,H,I,J,L
	L758	NQR0713-001X	FERRITE BEADS		1	A,B,C,D,E,F,G,H,I,J,L
	L820	NQR0713-001X	FERRITE BEADS		1	A,B,C,D,E,F,G,H,I,J,L
	L821	NQR0713-001X	FERRITE BEADS		1	A,B,C,D,E,F,G,H,I,J,L
	L822	NQR0713-001X	FERRITE BEADS		1	A,B,C,D,E,F,G,H,I,J,L
	L823	NQR0713-001X	FERRITE BEADS		1	A,B,C,D,E,F,G,H,I,J,L
	L824	NQR0713-001X	FERRITE BEADS		1	A,B,C,D,E,F,G,H,I,J,L
	L825	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	A,E
	L825	LB73G0CA-002	CHIP FERRITE		1	B,C,D,F,G,H,I,J,L
	L826	NQR0269-030X	FERRITE BEADS		1	A,E
	L826	LB73G0CK-001	CHIP FERRITE		1	B,C,D,F,G,H,I,J,L
	L827	LB73G0BK-006	CHIP FERRITE		1	A,B,C,D,E,F,G,H,I,J,L
	L850	LR73Z0AD4R7M	CHIP INDUCTOR	4.7uH	1	A,B,C,D,E,F,G,H,I,J,L
	L860	NQLN9EM-100X	INDUCTOR	10uH M	1	A,B,C,D,E,F,G,H,I,J,L
	L861	LK73Z0AK4R7M	M.CHIP INDUCTOR	4.7uH	1	A,B,C,D,E,F,G,H,I,J,L
	L990	QQR1927-001	CHOKE COIL		1	A,B,C,D,E,F,G,H,I,J,L
	CN701	QGZ2006J1-20	DETACHABLE CONN	(1-20)	1	A,B,C,D,E,F,G,H,I,J,L
	CN990	QNZ0607-001	CAR CONNECTOR		1	A,B,C,D,E,F,G,H,I,J,L
	J321	QNN0874-001	PIN JACK		1	A,B,C,D,E,F,G,H,I,J,L
	J600	QNB0356-001	ANT TERMINAL		1	A,B,C,D,E,F,G,H,I,J,L
	S830	QSW0648-001Z	TACT SWITCH		1	A,B,C,D,E,F,G,H,I,J,L
	VA600	F0K-0014-00	SURGE ABSORBER		1	A,B,C,D,E,F,G,H,I,J,L
	VA1400	CK73GBB1C474K	C CAPACITOR	0.47uF 16V K	1	C,D,J,L
	X540	NAX1224-001X	CRYSTAL		1	A,B,C,D,E,F,G,H,I,J,L
	X600	L7J-0014-00	QUARTZ CRYSTAL		1	A,B,C,D,E,F,G,H,I,J,L
	X701	NAX1243-001X	CRYSTAL		1	A,B,C,D,E,F,G,H,I,J,L

MAIN PWB ASSY (XJ1-0503-20) <03>

	IC161	TDA7718C	ANALOG IC		1	K
⚠	IC301	JCV8034	IC		1	K
	IC411	MFI337S3959-X	IC		1	K
	IC555	AK4387ET	ANALOG IC		1	K
⚠	IC601	TEF6657HN-X	IC		1	K
⚠	IC701	R5S726A0D216FP	IC		1	K
⚠	IC821	W3F-0026-00	ROM IC		1	K
	IC831	BU4228F-W	IC		1	K
	IC841	BR24T02FJ-W-X	IC		1	K
	IC851	BU1CTD3WG-W	IC		1	K
	IC861	MP9942GJ	ANALOG IC		1	K
	IC891	NCP380HSNAJAA-X	IC		1	K
⚠	IC901	LV5685PV-H	ANALOG IC		1	K
	Q250	LTC043TEB-X	DIGI TRANSISTOR		1	K
	Q260	LTC043TEB-X	DIGI TRANSISTOR		1	K
	Q270	LTA024EEB-X	DIGI TRANSISTOR		1	K
	Q271	LSAR523UBFS8	TRANSISTOR		1	K
	Q272	LTC024EEB-X	DIGI TRANSISTOR		1	K
	Q273	LTA024EEB-X	DIGI TRANSISTOR		1	K
	Q360	LSCR523UBFS8	TRANSISTOR		1	K
	Q701	LTA014YEB-X	DIGI TRANSISTOR		1	K
	D100	RSB6.8SM-X	BP Z DIODE		1	K
	D101	RSB6.8SM-X	BP Z DIODE		1	K
	D270	BAW56-TP-X	SI DIODE		1	K
	D271	BAW56-TP-X	SI DIODE		1	K
	D273	DA2J101	DIODE		1	K
	D360	DZ2J068M	ZENER DIODE		1	K
	D390	MBRX130	SCHOTTKY DIODE		1	K
	D391	MBRX130	SCHOTTKY DIODE		1	K
	D400	RB521SM-30-X	SB DIODE		1	K
	D401	DZ2J051M	ZENER DIODE		1	K
	D861	DB22306	SCHOTTKY DIODE		1	K
	D902	SK34A-L-X	SB DIODE		1	K
	D903	SK34A-L-X	SB DIODE		1	K
⚠	D990	1N5401-BPC04	SI DIODE		1	K
	C100	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C101	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	K
	C102	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	K
	C103	CK73GXR1C105K	C CAPACITOR	1uF 16V K	1	K
	C104	CK73GXR1C105K	C CAPACITOR	1uF 16V K	1	K

MODEL	MARK	MODEL	MARK	MODEL	MARK	MODEL	MARK
KD-X120EE	A	KD-X120EU	B	KD-X120U	C	KD-X120UT	D
KD-X125EE	E	KD-X220E	F	KD-X220EN	G	KD-X220EY	H
KD-X220J	I	KD-X220U	J	KD-X220UR	K	KD-X220UT	L

Safe	Symbol No.	Parts No.	Parts Name	Description	QTY	Local
	C105	CK73GXR1C105K	C CAPACITOR	1uF 16V K	1	K
	C161	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	K
⚠	C162	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	K
	C163	CD04AV1V4R7M	E CAPACITOR	4.7uF 35V M	1	K
	C164	CD04AV1V4R7M	E CAPACITOR	4.7uF 35V M	1	K
	C165	CD04AV1C100M	E CAPACITOR	10uF 16V M	1	K
	C166	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C167	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	K
	C168	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	K
	C169	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	K
	C171	CK73GXR1C105K	C CAPACITOR	1uF 16V K	1	K
	C172	CD04AS1C220M	E CAPACITOR	22uF 16V M	1	K
	C177	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	K
	C251	CK73EBB1C475K	C CAPACITOR	4.7uF 16V K	1	K
	C261	CK73EBB1C475K	C CAPACITOR	4.7uF 16V K	1	K
	C303	CC73GCH1H820J	C CAPACITOR	82pF 50V J	1	K
	C304	QEZ0982-476Z	E CAPACITOR	47uF	1	K
	C305	CC73GCH1H820J	C CAPACITOR	82pF 50V J	1	K
	C306	CC73GCH1H820J	C CAPACITOR	82pF 50V J	1	K
	C311	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	K
	C313	CK73GXR0J475K	C CAPACITOR	4.7uF 6.3V K	1	K
	C314	CK730AV1C105K	C CAPACITOR	1uF 16V K	1	K
	C316	CK73GBB1C224K	C CAPACITOR	0.22uF 16V K	1	K
	C317	CK73GBB1C224K	C CAPACITOR	0.22uF 16V K	1	K
	C318	CK73GBB1C224K	C CAPACITOR	0.22uF 16V K	1	K
	C319	CK73GBB1C224K	C CAPACITOR	0.22uF 16V K	1	K
	C360	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	K
	C361	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	K
	C390	CK73FBB1H224K	C CAPACITOR	0.22uF 50V K	1	K
	C391	CK73FBB1C105K	C CAPACITOR	1uF 16V K	1	K
	C392	CK73FBB1C105K	C CAPACITOR	1uF 16V K	1	K
	C410	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C571	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C572	CK73FXR0J106K	C CAPACITOR	10uF 6.3V K	1	K
	C573	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C574	CK73FXR1C106K	C CAPACITOR	10uF 16V K	1	K
	C575	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C576	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C588	CK73GBB1H102K	C CAPACITOR	1000pF 50V K	1	K
	C589	CK73GBB1H102K	C CAPACITOR	1000pF 50V K	1	K
	C598	CK73GBB1H152K	C CAPACITOR	1500pF 50V K	1	K
	C599	CK73GBB1H152K	C CAPACITOR	1500pF 50V K	1	K
	C601	CK73FXR0J106K	C CAPACITOR	10uF 6.3V K	1	K
	C602	CK73FXR0J106K	C CAPACITOR	10uF 6.3V K	1	K
	C603	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C604	CK73GBB1H152K	C CAPACITOR	1500pF 50V K	1	K
	C605	CC73GCH1H102J	C CAPACITOR	1000pF 50V J	1	K
	C606	CC73GCH1H090D	C CAPACITOR	9pF 50V D	1	K
⚠	C607	CC73GCH1H010C	C CAPACITOR	1pF 50V C	1	K
	C608	CC73GCH1H102J	C CAPACITOR	1000pF 50V J	1	K
	C609	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C610	CC73GCH1H120J	C CAPACITOR	12pF 50V J	1	K
⚠	C611	CC73GCH1H010C	C CAPACITOR	1pF 50V C	1	K
	C612	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	K
	C614	CC73GCH1H220J	C CAPACITOR	22pF 50V J	1	K
	C615	CC73GCH1H330J	C CAPACITOR	33pF 50V J	1	K
	C616	CC73GCH1H102J	C CAPACITOR	1000pF 50V J	1	K
	C617	CK73GBB1C224K	C CAPACITOR	0.22uF 16V K	1	K
	C618	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C624	CK73FXR0J106K	C CAPACITOR	10uF 6.3V K	1	K
	C626	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C630	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	K
	C700	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C701	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C702	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C703	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C704	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C705	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C706	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C707	CC73GCH1H090D	C CAPACITOR	9pF 50V D	1	K
	C708	CC73GCH1H090D	C CAPACITOR	9pF 50V D	1	K
	C709	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C710	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C711	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	K
	C712	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C713	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C716	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C717	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C718	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C721	CC73GCH1H120J	C CAPACITOR	12pF 50V J	1	K
	C722	CC73GCH1H120J	C CAPACITOR	12pF 50V J	1	K
	C723	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	K
	C724	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	K
	C725	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	K
	C727	RK73GB2A103J	MG RESISTOR	10kΩ 1/10W J	1	K
	C820	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	K
	C821	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	K
	C830	CK73GBB1H682K	C CAPACITOR	6800pF 50V K	1	K

MODEL	MARK	MODEL	MARK	MODEL	MARK	MODEL	MARK
KD-X120EE	A	KD-X120EU	B	KD-X120U	C	KD-X120UT	D
KD-X125EE	E	KD-X220E	F	KD-X220EN	G	KD-X220EY	H
KD-X220J	I	KD-X220U	J	KD-X220UR	K	KD-X220UT	L

Safe	Symbol No.	Parts No.	Parts Name	Description	QTY	Local
	C831	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C832	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C840	CK73GBB1C473K	C CAPACITOR	0.047uF 16V K	1	K
	C850	CK73GBB1C474K	C CAPACITOR	0.47uF 16V K	1	K
	C852	CD04AS0J101M	E CAPACITOR	100uF 6.3V M	1	K
	C854	CK73GBB1C474K	C CAPACITOR	0.47uF 16V K	1	K
	C860	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C861	CK73EXR1E106K	C CAPACITOR	10uF 25V K	1	K
	C862	CK73EXR1E106K	C CAPACITOR	10uF 25V K	1	K
	C863	CK73GBB1C224K	C CAPACITOR	0.22uF 16V K	1	K
	C864	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C865	CK73EXR1E106K	C CAPACITOR	10uF 25V K	1	K
	C867	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C868	QEZ0850-157Z	E CAPACITOR	150uF	1	K
	C869	CK73GBB1C224K	C CAPACITOR	0.22uF 16V K	1	K
	C870	CC73GCH1H150J	C CAPACITOR	15pF 50V J	1	K
	C877	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C891	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C892	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C904	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	K
	C905	CD04AR1C471M	E CAPACITOR	470uF 16V M	1	K
	C907	CD04AS0J101M	E CAPACITOR	100uF 6.3V M	1	K
	C908	CK73GXR1C105K	C CAPACITOR	1uF 16V K	1	K
	C909	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C911	CK73EBB1C475K	C CAPACITOR	4.7uF 16V K	1	K
	C912	CK73EXR1A106K	C CAPACITOR	10uF 10V K	1	K
	C920	CK73GXR1C105K	C CAPACITOR	1uF 16V K	1	K
	C930	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	K
	C931	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C990	CD04ET1C102M	E CAPACITOR		1	K
	C1000	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C1002	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	K
	C1010	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	K
	C1011	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	K
	C1012	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	K
	C1013	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	K
	C1014	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	K
	C1015	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	K
	C1016	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	K
	C1017	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	K
	C1050	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	K
	C1051	CC73GCH1H050C	C CAPACITOR	5pF 50V C	1	K
	C1055	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	K
	C1056	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	K
	C1057	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C1064	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	K
	C1069	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	K
	C1070	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	K
	C1071	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	K
	C1072	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C1073	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	K
	C1074	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	K
	C1082	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	K
	C1084	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	K
	C1085	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	K
	C1089	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	K
	C1090	CK73GXR1H104K	C CAPACITOR	0.1uF 50V K	1	K
	C1091	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	K
	C1094	CC73GCH1H121J	C CAPACITOR	120pF 50V J	1	K
	C1095	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	K
	C1096	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	K
	C1098	CK73GBB1H103K	C CAPACITOR	0.01uF 50V K	1	K
	R100	RK73GB2A471J	MG RESISTOR	470Ω 1/10W J	1	K
	R101	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R102	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R103	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R104	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	K
	R105	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	K
	R167	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R168	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	K
	R169	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	K
	R170	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	R171	RK73GB2A103J	MG RESISTOR	10kΩ 1/10W J	1	K
	R250	RK73GB2A181J	MG RESISTOR	180Ω 1/10W J	1	K
	R251	RK73GB2A223J	MG RESISTOR	22kΩ 1/10W J	1	K
	R252	RK73GB2A331J	MG RESISTOR	330Ω 1/10W J	1	K
	R260	RK73GB2A181J	MG RESISTOR	180Ω 1/10W J	1	K
	R261	RK73GB2A223J	MG RESISTOR	22kΩ 1/10W J	1	K
	R262	RK73GB2A331J	MG RESISTOR	330Ω 1/10W J	1	K
	R270	RK73GB2A104J	MG RESISTOR	100kΩ 1/10W J	1	K
	R271	RK73GB2A331J	MG RESISTOR	330Ω 1/10W J	1	K
	R273	RK73GB2A223J	MG RESISTOR	22kΩ 1/10W J	1	K
	R302	RK73GB2A222J	MG RESISTOR	2.2kΩ 1/10W J	1	K
	R303	RK73EB2E5R1J	MG RESISTOR	5.1Ω 1/4W J	1	K
	R304	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R307	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R360	RK73GB2A223J	MG RESISTOR	22kΩ 1/10W J	1	K
	R361	RK73GB2A333J	MG RESISTOR	33kΩ 1/10W J	1	K
	R362	RK73GB2A223J	MG RESISTOR	22kΩ 1/10W J	1	K
	R363	RK73GB2A472J	MG RESISTOR	4.7kΩ 1/10W J	1	K

MODEL	MARK	MODEL	MARK	MODEL	MARK	MODEL	MARK
KD-X120EE	A	KD-X120EU	B	KD-X120U	C	KD-X120UT	D
KD-X125EE	E	KD-X220E	F	KD-X220EN	G	KD-X220EY	H
KD-X220J	I	KD-X220U	J	KD-X220UR	K	KD-X220UT	L

Safe	Symbol No.	Parts No.	Parts Name	Description	QTY	Local
	R364	RK73GB2A472J	MG RESISTOR	4.7kΩ 1/10W J	1	K
	R365	RK73GB2A104J	MG RESISTOR	100kΩ 1/10W J	1	K
	R390	RK73EB2E472J	MG RESISTOR	4.7kΩ 1/4W J	1	K
	R400	RK73GB2A102J	MG RESISTOR	1kΩ 1/10W J	1	K
	R403	RK73GB2A303J	MG RESISTOR	30kΩ 1/10W J	1	K
	R410	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	K
	R411	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	K
	R412	RK73GB2A472J	MG RESISTOR	4.7kΩ 1/10W J	1	K
	R413	RK73GB2A472J	MG RESISTOR	4.7kΩ 1/10W J	1	K
	R414	RK73GB2A472J	MG RESISTOR	4.7kΩ 1/10W J	1	K
	R431	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R432	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R571	RK73GB2A910J	MG RESISTOR	91Ω 1/10W J	1	K
	R572	RK73GB2A221J	MG RESISTOR	220Ω 1/10W J	1	K
	R573	RK73GB2A181J	MG RESISTOR	180Ω 1/10W J	1	K
	R574	RK73GB2A221J	MG RESISTOR	220Ω 1/10W J	1	K
	R588	RK73GB2A102J	MG RESISTOR	1kΩ 1/10W J	1	K
	R589	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R598	RK73GB2A102J	MG RESISTOR	1kΩ 1/10W J	1	K
	R599	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R600	RK73GB2A102J	MG RESISTOR	1kΩ 1/10W J	1	K
	R601	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	K
	R602	RK73GB2A820J	MG RESISTOR	82Ω 1/10W J	1	K
	R603	RK73GB2A105J	MG RESISTOR	1MΩ 1/10W J	1	K
	R604	RK73GB2A105J	MG RESISTOR	1MΩ 1/10W J	1	K
	R605	RK73GB2A4R7J	MG RESISTOR	4.7Ω 1/10W J	1	K
	R611	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	K
	R612	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R700	RK73GB2A163J	MG RESISTOR	16kΩ 1/10W J	1	K
	R701	RK73GB2A162J	MG RESISTOR	1.6kΩ 1/10W J	1	K
	R702	RK73GB2A472J	MG RESISTOR	4.7kΩ 1/10W J	1	K
	R703	RK73GB2A162J	MG RESISTOR	1.6kΩ 1/10W J	1	K
	R704	RK73GB2A162J	MG RESISTOR	1.6kΩ 1/10W J	1	K
	R705	RK73GB2A162J	MG RESISTOR	1.6kΩ 1/10W J	1	K
	R707	RK73GB2A162J	MG RESISTOR	1.6kΩ 1/10W J	1	K
	R710	RK73GB2A222J	MG RESISTOR	2.2kΩ 1/10W J	1	K
	R711	RK73GB2A222J	MG RESISTOR	2.2kΩ 1/10W J	1	K
	R712	RK73GB2A102J	MG RESISTOR	1kΩ 1/10W J	1	K
	R713	RK73GB2A222J	MG RESISTOR	2.2kΩ 1/10W J	1	K
	R714	RK73GB2A102J	MG RESISTOR	1kΩ 1/10W J	1	K
	R715	RK73GB2A222J	MG RESISTOR	2.2kΩ 1/10W J	1	K
	R716	RK73GB2A222J	MG RESISTOR	2.2kΩ 1/10W J	1	K
	R717	RK73GB2A104J	MG RESISTOR	100kΩ 1/10W J	1	K
	R719	RK73GB2A162J	MG RESISTOR	1.6kΩ 1/10W J	1	K
	R720	RK73GB2A105J	MG RESISTOR	1MΩ 1/10W J	1	K
	R721	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	K
	R722	RK73GB2A911J	MG RESISTOR	910Ω 1/10W J	1	K
	R723	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	K
	R724	RK73GB2A105J	MG RESISTOR	1MΩ 1/10W J	1	K
	R725	RK73GB2A222J	MG RESISTOR	2.2kΩ 1/10W J	1	K
	R726	RK73GB2A220J	MG RESISTOR	22Ω 1/10W J	1	K
	R727	RK73GB2A153J	MG RESISTOR	15kΩ 1/10W J	1	K
	R728	RK73GB2A220J	MG RESISTOR	22Ω 1/10W J	1	K
	R729	RK73GB2A153J	MG RESISTOR	15kΩ 1/10W J	1	K
	R730	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	K
	R733	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	K
	R734	RK73GB2A153J	MG RESISTOR	15kΩ 1/10W J	1	K
	R735	RK73GB2A333J	MG RESISTOR	33kΩ 1/10W J	1	K
	R739	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	K
	R740	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	K
	R741	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	K
	R742	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	K
	R743	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	K
	R744	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	K
	R745	RK73GB2A222J	MG RESISTOR	2.2kΩ 1/10W J	1	K
	R746	RK73GB2A682J	MG RESISTOR	6.8kΩ 1/10W J	1	K
	R747	RK73GB2A682J	MG RESISTOR	6.8kΩ 1/10W J	1	K
	R749	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	K
	R750	RK73GB2A201J	MG RESISTOR	200Ω 1/10W J	1	K
	R751	RK73GB2A201J	MG RESISTOR	200Ω 1/10W J	1	K
	R752	RK73GB2A161J	MG RESISTOR	160Ω 1/10W J	1	K
	R753	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	K
	R754	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	K
	R755	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	K
	R756	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	K
	R757	RK73GB2A123J	MG RESISTOR	12kΩ 1/10W J	1	K
	R758	RK73GB2A620J	MG RESISTOR	62Ω 1/10W J	1	K
	R759	RK73GB2A203J	MG RESISTOR	20kΩ 1/10W J	1	K
	R760	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	K
	R765	RK73GB2A472J	MG RESISTOR	4.7kΩ 1/10W J	1	K
	R766	RK73GB2A472J	MG RESISTOR	4.7kΩ 1/10W J	1	K
	R776	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	K
	R777	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	K
	R778	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	K
	R779	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	K
	R816	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	R819	RK73GB2A332J	MG RESISTOR	3.3kΩ 1/10W J	1	K
	R820	RK73EB2E473J	MG RESISTOR	47kΩ 1/4W J	1	K

MODEL	MARK	MODEL	MARK	MODEL	MARK	MODEL	MARK
KD-X120EE	A	KD-X120EU	B	KD-X120U	C	KD-X120UT	D
KD-X125EE	E	KD-X220E	F	KD-X220EN	G	KD-X220EY	H
KD-X220J	I	KD-X220U	J	KD-X220UR	K	KD-X220UT	L

Safe	Symbol No.	Parts No.	Parts Name	Description	QTY	Local
	R821	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	K
	R822	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	K
	R830	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	K
	R840	RK73GB2A271J	MG RESISTOR	270Ω 1/10W J	1	K
	R841	RK73GB2A271J	MG RESISTOR	270Ω 1/10W J	1	K
	R861	RK73GB2A200J	MG RESISTOR	20Ω 1/10W J	1	K
	R862	RK73EB2E271J	MG RESISTOR	270Ω 1/4W J	1	K
	R864	RK73GB2A393J	MG RESISTOR	39kΩ 1/10W J	1	K
	R865	RK73GH2A683D	MG RESISTOR	68kΩ 1/10W D	1	K
	R867	RK73GH2A393D	MG RESISTOR	39kΩ 1/10W D	1	K
	R868	RK73GH2A183D	MG RESISTOR	18kΩ 1/10W D	1	K
	R869	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R890	RK73GH2A203D	MG RESISTOR	20kΩ 1/10W D	1	K
	R892	RK73EB2E222J	MG RESISTOR	2.2kΩ 1/4W J	1	K
	R930	RK73GB2A103J	MG RESISTOR	10kΩ 1/10W J	1	K
	R969	RK73EB2E473J	MG RESISTOR	47kΩ 1/4W J	1	K
	R978	RK73EB2E473J	MG RESISTOR	47kΩ 1/4W J	1	K
	R979	RK73EB2E682J	MG RESISTOR	6.8kΩ 1/4W J	1	K
	R980	RK73EB2E682J	MG RESISTOR	6.8kΩ 1/4W J	1	K
	R1003	RK73GB2A473J	MG RESISTOR	47kΩ 1/10W J	1	K
	R1004	RK73EB2E271J	MG RESISTOR	270Ω 1/4W J	1	K
	R1005	RK73EB2E271J	MG RESISTOR	270Ω 1/4W J	1	K
	R1006	RK73EB2E271J	MG RESISTOR	270Ω 1/4W J	1	K
	R1051	RK73GH2A100D	MG RESISTOR	10Ω 1/10W D	1	K
	R1060	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R1061	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	R1069	RK73GB2A333J	MG RESISTOR	33kΩ 1/10W J	1	K
	R1070	RK73GB2A102J	MG RESISTOR	1kΩ 1/10W J	1	K
	R1071	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R1073	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R1074	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R1075	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	R1076	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	R1077	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R1082	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	R1091	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R1170	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R1404	RK73GB2A100J	MG RESISTOR	10Ω 1/10W J	1	K
	R1405	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	R1406	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	R1407	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	R1408	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	R1414	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	R1415	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	R1416	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R1417	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	R1419	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R1421	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	R1425	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R1426	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	R1428	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	R1429	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	R1430	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	R1432	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	R1434	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	L591	LR73Z0AD4R7M	CHIP INDUCTOR	4.7uH	1	K
	L600	LR73Z0AD4R7M	CHIP INDUCTOR	4.7uH	1	K
	L601	LK73G0BE4R7K	M.CHIP INDUCTOR		1	K
	L602	LK73G0BER47K	M.CHIP INDUCTOR		1	K
	L603	NQLM93K-R10X	INDUCTOR	0.1uH K	1	K
	L604	LK73G0BE1R0K	M.CHIP INDUCTOR		1	K
	L605	LK73G0BER22K	M.CHIP INDUCTOR		1	K
	L606	LK73G0BER12K	M.CHIP INDUCTOR		1	K
	L607	LK73G0BER15K	M.CHIP INDUCTOR		1	K
	L609	LR73Z0AD4R7M	CHIP INDUCTOR	4.7uH	1	K
	L610	NQR0715-001X	FERRITE BEADS		1	K
	L611	NQR0715-001X	FERRITE BEADS		1	K
	L701	LB73G0BK-006	CHIP FERRITE		1	K
	L709	NQR0713-001X	FERRITE BEADS		1	K
	L758	NQR0713-001X	FERRITE BEADS		1	K
	L820	NQR0713-001X	FERRITE BEADS		1	K
	L821	NQR0713-001X	FERRITE BEADS		1	K
	L822	NQR0713-001X	FERRITE BEADS		1	K
	L823	NQR0713-001X	FERRITE BEADS		1	K
	L824	NQR0713-001X	FERRITE BEADS		1	K
	L825	LB73G0CA-002	CHIP FERRITE		1	K
	L826	LB73G0CK-001	CHIP FERRITE		1	K
	L827	LB73G0BK-006	CHIP FERRITE		1	K
	L850	LR73Z0AD4R7M	CHIP INDUCTOR	4.7uH	1	K
	L860	NQLN9EM-100X	INDUCTOR	10uH M	1	K
	L861	LK73Z0AK4R7M	M.CHIP INDUCTOR	4.7uH	1	K
	L990	QQR1927-001	CHOKE COIL		1	K
	CN701	QGZ2006J1-20	DETACHABLE CONN	(1-20)	1	K
	CN990	QNZ0607-001	CAR CONNECTOR		1	K
	J321	QNN0874-001	PIN JACK		1	K
	J600	QNB0356-001	ANT TERMINAL		1	K
	S830	QSW0648-001Z	TACT SWITCH		1	K
	VA600	F0K-0014-00	SURGE ABSORBER		1	K
	X540	NAX1224-001X	CRYSTAL		1	K
	X600	L7J-0014-00	QUARTZ CRYSTAL		1	K

MODEL	MARK	MODEL	MARK	MODEL	MARK	MODEL	MARK
KD-X120EE	A	KD-X120EU	B	KD-X120U	C	KD-X120UT	D
KD-X125EE	E	KD-X220E	F	KD-X220EN	G	KD-X220EY	H
KD-X220J	I	KD-X220U	J	KD-X220UR	K	KD-X220UT	L

Safe	Symbol No.	Parts No.	Parts Name	Description	QTY	Local
	X701	NAX1243-001X	CRYSTAL		1	K
SWITCH PWB ASSY (XJ6-031x-xx) <02>						
	IC1	BU97520AKV-M	MOS IC		1	A,B,C,D,E,F,G,H,I,J,L
	IC90	SIR8630B6T	IR DETECT UNIT		1	B,C,D,I,J,L
	Q1	LSCR523EBFS8	TRANSISTOR		1	A,B,C,D,E,F,G,H,I,J,L
	Q50	LSCR523EBFS8	TRANSISTOR		1	A,B,C,D,E,F,G,H,I,J,L
	Q51	2SC4097P/R/	TRANSISTOR		1	B,C,D,E,F,G,H,I,J,L
	Q53	2SC4097P/R/	TRANSISTOR		1	A,E
	D1	DZ2J056M	ZENER DIODE		1	A,B,C,D,E,F,G,H,I,J,L
	D2	MBRX130	SCHOTTKY DIODE		1	A,B,C,D,E,F,G,H,I,J,L
	D20	SML-D12V8WT	LED		1	B,C,D,F,G,H,I,J,L
	D20	SML-311DT/JK/-X	LED		1	E
	D24	SML-D12V8WT	LED		1	B,C,D,F,G,H,I,J,L
	D24	SML-311DT/JK/-X	LED		1	E
	D25	SML-D12V8WT	LED		1	B,C,D,F,G,H,I,J,L
	D25	SML-311DT/JK/-X	LED		1	E
	D26	SML-D12V8WT	LED		1	B,C,D,F,G,H,I,J,L
	D26	SML-311DT/JK/-X	LED		1	E
	D27	SML-D12V8WT	LED		1	B,C,D,F,G,H,I,J,L
	D27	SML-311DT/JK/-X	LED		1	E
	D28	SML-D12V8WT	LED		1	B,C,D,F,G,H,I,J,L
	D28	SML-311DT/JK/-X	LED		1	E
	D29	SML-D12V8WT	LED		1	B,C,D,F,G,H,I,J,L
	D29	SML-311DT/JK/-X	LED		1	E
	D30	SML-D12V8WT	LED		1	B,C,D,F,G,H,I,J,L
	D30	SML-311DT/JK/-X	LED		1	E
	D31	SML-D12V8WT	LED		1	B,C,D,F,G,H,I,J,L
	D31	SML-311DT/JK/-X	LED		1	E
	D33	SML-D12V8WT	LED		1	B,C,D,F,G,H,I,J,L
	D33	SML-311DT/JK/-X	LED		1	E
	D34	SML-D12V8WT	LED		1	B,C,D,F,G,H,I,J,L
	D34	SML-311DT/JK/-X	LED		1	E
	D35	SML-D12V8WT	LED		1	B,C,D,F,G,H,I,J,L
	D35	SML-311DT/JK/-X	LED		1	E
	D36	SML-D12V8WT	LED		1	B,C,D,F,G,H,I,J,L
	D36	SML-311DT/JK/-X	LED		1	E
	D37	SML-D12V8WT	LED		1	B,C,D,F,G,H,I,J,L
	D37	SML-311DT/JK/-X	LED		1	E
	D38	SML-D12V8WT	LED		1	B,C,D,F,G,H,I,J,L
	D38	SML-311DT/JK/-X	LED		1	E
	D39	SML-D12V8WT	LED		1	B,C,D,F,G,H,I,J,L
	D39	SML-311DT/JK/-X	LED		1	E
	D40	SML-D12V8WT	LED		1	B,C,D,F,G,H,I,J,L
	D40	SML-311DT/JK/-X	LED		1	E
	D41	SML-D12V8WT	LED		1	B,C,D,F,G,H,I,J,L
	D41	SML-311DT/JK/-X	LED		1	E
	D49	LUWJNSH.PC//0	LED		1	A,B,C,D,E,F,G,H,I,J,L
	D50	SML-D12P8WT	LED		1	A,E
	D54	SML-D12P8WT	LED		1	A,E
	D55	SML-D12P8WT	LED		1	A,E
	D56	SML-D12P8WT	LED		1	A,E
	D57	SML-D12P8WT	LED		1	A,E
	D58	SML-D12P8WT	LED		1	A,E
	D59	SML-D12P8WT	LED		1	A,E
	D60	SML-D12P8WT	LED		1	A,E
	D61	SML-D12P8WT	LED		1	A,E
	D63	SML-D12P8WT	LED		1	A,E
	D64	SML-D12P8WT	LED		1	A,E
	D65	SML-D12P8WT	LED		1	A,E
	D66	SML-D12P8WT	LED		1	A,E
	D67	SML-D12P8WT	LED		1	A,E
	D68	SML-D12P8WT	LED		1	A,E
	D69	SML-D12P8WT	LED		1	A,E
	D70	SML-D12P8WT	LED		1	A,E
	D71	SML-D12P8WT	LED		1	A,E
	D80	DZ2J051M	ZENER DIODE		1	A,B,C,D,E,F,G,H,I,J,L
	D81	DZ2J051M	ZENER DIODE		1	A,B,C,D,E,F,G,H,I,J,L
	D91	DZ2J056M	ZENER DIODE		1	A,B,C,D,E,F,G,H,I,J,L
	D92	DZ2J056M	ZENER DIODE		1	A,B,C,D,E,F,G,H,I,J,L
	C1	CK73GXR1C105K	C CAPACITOR	1uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C3	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C5	CK73GXR1C105K	C CAPACITOR	1uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C6	CK73EXR1C106K	C CAPACITOR	10uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C7	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C60	CK73GBB1H102K	C CAPACITOR	1000pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C61	CK73GBB1H102K	C CAPACITOR	1000pF 50V K	1	A,B,C,D,E,F,G,H,I,J,

MODEL	MARK	MODEL	MARK	MODEL	MARK	MODEL	MARK
KD-X120EE	A	KD-X120EU	B	KD-X120U	C	KD-X120UT	D
KD-X125EE	E	KD-X220E	F	KD-X220EN	G	KD-X220EY	H
KD-X220J	I	KD-X220U	J	KD-X220UR	K	KD-X220UT	L

Safe	Symbol No.	Parts No.	Parts Name	Description	QTY	Local
	C80	CC73GCH1H270J	C CAPACITOR	27pF 50V J	1	A,B,C,D,E,F,G,H,I,J,L
	C81	CC73GCH1H270J	C CAPACITOR	27pF 50V J	1	A,B,C,D,E,F,G,H,I,J,L
	C82	CK73EXR1C106K	C CAPACITOR	10uF 16V K	1	A,B,C,D,E,F,G,H,I,J,L
	C83	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C84	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C85	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C86	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	A,B,C,D,E,F,G,H,I,J,L
	C91	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	B,C,D,I,J,L
	R1	RK73EB2E101J	MG RESISTOR	100Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R3	RK73GB2A471J	MG RESISTOR	470Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R4	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R5	RK73EB2E331J	MG RESISTOR	330Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R6	RK73GB2A102J	MG RESISTOR	1kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R7	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R18	RK73FB2B751J	MG RESISTOR	750Ω 1/8W J	1	A,E
	R19	RK73FB2B821J	MG RESISTOR	820Ω 1/8W J	1	B,C,D,E,F,G,H,I,J,L
	R20	RK73FB2B821J	MG RESISTOR	820Ω 1/8W J	1	B,C,D,E,F,G,H,I,J,L
	R22	RK73FB2B621J	MG RESISTOR	620Ω 1/8W J	1	B,C,D,E,F,G,H,I,J,L
	R23	RK73FB2B621J	MG RESISTOR	620Ω 1/8W J	1	B,C,D,E,F,G,H,I,J,L
	R24	RK73FB2B621J	MG RESISTOR	620Ω 1/8W J	1	B,C,D,E,F,G,H,I,J,L
	R25	RK73FB2B621J	MG RESISTOR	620Ω 1/8W J	1	B,C,D,E,F,G,H,I,J,L
	R26	RK73FB2B821J	MG RESISTOR	820Ω 1/8W J	1	B,C,D,E,F,G,H,I,J,L
	R27	RK73FB2B621J	MG RESISTOR	620Ω 1/8W J	1	B,C,D,E,F,G,H,I,J,L
	R28	RK73FB2B621J	MG RESISTOR	620Ω 1/8W J	1	B,C,D,E,F,G,H,I,J,L
	R29	RK73FB2B621J	MG RESISTOR	620Ω 1/8W J	1	B,C,D,E,F,G,H,I,J,L
	R30	RK73FB2B821J	MG RESISTOR	820Ω 1/8W J	1	B,C,D,E,F,G,H,I,J,L
	R31	RK73FB2B681J	MG RESISTOR	680Ω 1/8W J	1	A,E
	R33	RK73FB2B561J	MG RESISTOR	560Ω 1/8W J	1	A,E
	R34	RK73FB2B561J	MG RESISTOR	560Ω 1/8W J	1	A,E
	R35	RK73FB2B751J	MG RESISTOR	750Ω 1/8W J	1	A,E
	R36	RK73FB2B561J	MG RESISTOR	560Ω 1/8W J	1	A,E
	R37	RK73FB2B821J	MG RESISTOR	820Ω 1/8W J	1	A,E
	R38	RK73FB2B561J	MG RESISTOR	560Ω 1/8W J	1	A,E
	R39	RK73FB2B561J	MG RESISTOR	560Ω 1/8W J	1	A,E
	R40	RK73FB2B561J	MG RESISTOR	560Ω 1/8W J	1	A,E
	R41	RK73FB2B681J	MG RESISTOR	680Ω 1/8W J	1	A,E
	R50	RK73GB2A432J	MG RESISTOR	4.3kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R51	RK73GB2A432J	MG RESISTOR	4.3kΩ 1/10W J	1	A,B,C,D,E,F,G,H,I,J,L
	R53	RK73GB2A432J	MG RESISTOR	4.3kΩ 1/10W J	1	E
	R55	RK73FB2B561J	MG RESISTOR	560Ω 1/8W J	1	A,B,C,D,E,F,G,H,I,J,L
	R60	RK73FB2B101J	MG RESISTOR	100Ω 1/8W J	1	A,B,C,D,E,F,G,H,I,J,L
	R61	RK73FB2B101J	MG RESISTOR	100Ω 1/8W J	1	A,B,C,D,E,F,G,H,I,J,L
	R62	RK73FB2B4R7J	MG RESISTOR	4.7Ω 1/8W J	1	A,B,C,D,E,F,G,H,I,J,L
	R80	RK73EB2E221J	MG RESISTOR	220Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R81	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1000	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	A,B,C,D,E,F,G,H,I,J,L
	R1006	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	B,C,D,I,J,L
	R1009	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A
	R1010	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	A,E
	RA1	RK74GB1J101J	NET RESISTOR	100Ω 1/16W J	1	A,B,C,D,E,F,G,H,I,J,L
	RA2	RK74GB1J101J	NET RESISTOR	100Ω 1/16W J	1	A,B,C,D,E,F,G,H,I,J,L
	RA3	RK74GB1J101J	NET RESISTOR	100Ω 1/16W J	1	A,B,C,D,E,F,G,H,I,J,L
	CN1	QGZ2006K1-20X	DETACHABLE CONN	(1-20)	1	A,B,C,D,E,F,G,H,I,J,L
	FL80	NQR0704-001X	CHOKE COIL		1	A,B,C,D,E,F,G,H,I,J,L
	J60	QNS0279-001	3.5 JACK		1	A,B,C,D,E,F,G,H,I,J,L
	J80	QNZ1076-001	USB CONNECTOR		1	A,B,C,D,E,F,G,H,I,J,L
	S20	T9K-0007-00	ROTARY ENCODER		1	A,B,C,D,E,F,G,H,I,J,L
SWITCH PWB ASSY (XJ6-0393-21) <04>						
	IC1	BU97520AKV-M	MOS IC		1	K
	IC90	SIR8630B6T	IR DETECT UNIT		1	K
	Q1	LSCR523EBFS8	TRANSISTOR		1	K

MODEL	MARK	MODEL	MARK	MODEL	MARK	MODEL	MARK
KD-X120EE	A	KD-X120EU	B	KD-X120U	C	KD-X120UT	D
KD-X125EE	E	KD-X220E	F	KD-X220EN	G	KD-X220EY	H
KD-X220J	I	KD-X220U	J	KD-X220UR	K	KD-X220UT	L

Safe	Symbol No.	Parts No.	Parts Name	Description	QTY	Local
	Q50	LSCR523EBFS8	TRANSISTOR		1	K
	Q51	2SC4097P/R/	TRANSISTOR		1	K
	D1	DZ2J056M	ZENER DIODE		1	K
	D2	MBRX130	SCHOTTKY DIODE		1	K
	D20	SML-D12V8WT	LED		1	K
	D24	SML-D12V8WT	LED		1	K
	D25	SML-D12V8WT	LED		1	K
	D26	SML-D12V8WT	LED		1	K
	D27	SML-D12V8WT	LED		1	K
	D28	SML-D12V8WT	LED		1	K
	D29	SML-D12V8WT	LED		1	K
	D30	SML-D12V8WT	LED		1	K
	D31	SML-D12V8WT	LED		1	K
	D33	SML-D12V8WT	LED		1	K
	D34	SML-D12V8WT	LED		1	K
	D35	SML-D12V8WT	LED		1	K
	D36	SML-D12V8WT	LED		1	K
	D37	SML-D12V8WT	LED		1	K
	D38	SML-D12V8WT	LED		1	K
	D39	SML-D12V8WT	LED		1	K
	D40	SML-D12V8WT	LED		1	K
	D41	SML-D12V8WT	LED		1	K
	D49	LUWJNSH.PC//0	LED		1	K
	D80	DZ2J051M	ZENER DIODE		1	K
	D81	DZ2J051M	ZENER DIODE		1	K
	D91	DZ2J056M	ZENER DIODE		1	K
	D92	DZ2J056M	ZENER DIODE		1	K
	C1	CK73GXR1C105K	C CAPACITOR	1uF 16V K	1	K
	C3	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	K
	C5	CK73GXR1C105K	C CAPACITOR	1uF 16V K	1	K
	C6	CK73EXR1C106K	C CAPACITOR	10uF 16V K	1	K
	C7	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	K
	C60	CK73GBB1H102K	C CAPACITOR	1000pF 50V K	1	K
	C61	CK73GBB1H102K	C CAPACITOR	1000pF 50V K	1	K
	C80	CC73GCH1H270J	C CAPACITOR	27pF 50V J	1	K
	C81	CC73GCH1H270J	C CAPACITOR	27pF 50V J	1	K
	C82	CK73EXR1C106K	C CAPACITOR	10uF 16V K	1	K
	C83	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	K
	C84	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	K
	C85	CK73GBB1H472K	C CAPACITOR	4700pF 50V K	1	K
	C86	CK73GBB1H471K	C CAPACITOR	470pF 50V K	1	K
	C91	CK73GXR1A105K	C CAPACITOR	1uF 10V K	1	K
	R1	RK73EB2E101J	MG RESISTOR	100Ω 1/4W J	1	K
	R3	RK73GB2A471J	MG RESISTOR	470Ω 1/10W J	1	K
	R4	RK73GB2A101J	MG RESISTOR	100Ω 1/10W J	1	K
	R5	RK73EB2E331J	MG RESISTOR	330Ω 1/4W J	1	K
	R6	RK73GB2A102J	MG RESISTOR	1kΩ 1/10W J	1	K
	R7	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	R19	RK73FB2B821J	MG RESISTOR	820Ω 1/8W J	1	K
	R20	RK73FB2B821J	MG RESISTOR	820Ω 1/8W J	1	K
	R22	RK73FB2B621J	MG RESISTOR	620Ω 1/8W J	1	K
	R23	RK73FB2B621J	MG RESISTOR	620Ω 1/8W J	1	K
	R24	RK73FB2B621J	MG RESISTOR	620Ω 1/8W J	1	K
	R25	RK73FB2B621J	MG RESISTOR	620Ω 1/8W J	1	K
	R26	RK73FB2B821J	MG RESISTOR	820Ω 1/8W J	1	K
	R27	RK73FB2B621J	MG RESISTOR	620Ω 1/8W J	1	K
	R28	RK73FB2B621J	MG RESISTOR	620Ω 1/8W J	1	K
	R29	RK73FB2B621J	MG RESISTOR	620Ω 1/8W J	1	K
	R30	RK73FB2B821J	MG RESISTOR	820Ω 1/8W J	1	K
	R50	RK73GB2A432J	MG RESISTOR	4.3kΩ 1/10W J	1	K
	R51	RK73GB2A432J	MG RESISTOR	4.3kΩ 1/10W J	1	K
	R55	RK73FB2B561J	MG RESISTOR	560Ω 1/8W J	1	K
	R60	RK73FB2B101J	MG RESISTOR	100Ω 1/8W J	1	K
	R61	RK73FB2B101J	MG RESISTOR	100Ω 1/8W J	1	K
	R62	RK73FB2B4R7J	MG RESISTOR	4.7Ω 1/8W J	1	K
	R80	RK73EB2E221J	MG RESISTOR	220Ω 1/4W J	1	K
	R81	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	R1000	RK73EB2E000J	MG RESISTOR	0Ω 1/4W J	1	K
	R1006	RK73GB2A000J	MG RESISTOR	0Ω 1/10W J	1	K
	RA1	RK74GB1J101J	NET RESISTOR	100Ω 1/16W J	1	K
	RA2	RK74GB1J101J	NET RESISTOR	100Ω 1/16W J	1	K
	RA3	RK74GB1J101J	NET RESISTOR	100Ω 1/16W J	1	K
	CN1	QGZ2006K1-20X	DETACHABLE CONN	(1-20)	1	K
	FL80	NQR0704-001X	CHOKE COIL		1	K
	J60	QNS0279-001	3.5 JACK		1	K
	J80	E5J-0069-00	USB TERMINAL		1	K
	S20	T9K-0007-00	ROTARY ENCODER		1	K