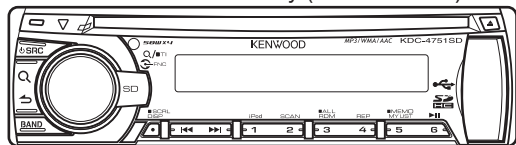


KDC-348U/4751SD
 KDC-BT41U/BT648U
 KDC-U4549/U4549SD/U549BT
 KDC-X395/X695
SERVICE MANUAL

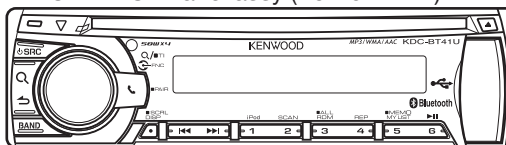
Tuner setting adjustment after replacing E2PROM

After replacing E2PROM (IC203 on X34), tuner setting adjustment is needed.
 The adjustment is that to perform the "TUNER Setting Adjustment Mode" (Page 13).

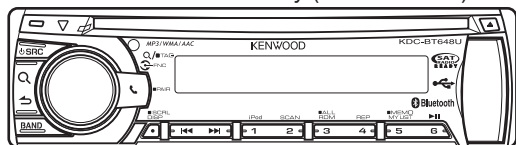
KDC-4751SD : Panel assy (A64-5245-02)



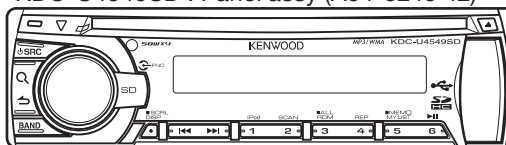
KDC-BT41U : Panel assy (A64-5242-12)



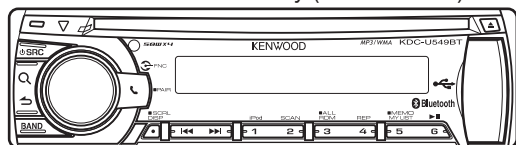
KDC-BT648U : Panel assy (A64-5240-02)



KDC-U4549SD : Panel assy (A64-5246-12)



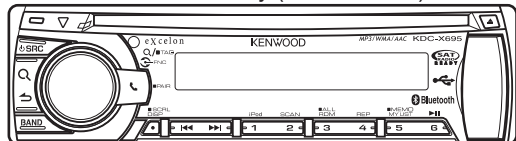
KDC-U549BT : Panel assy (A64-5244-12)



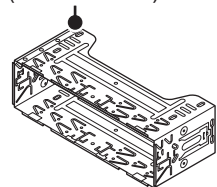
TDF SPARE-PANEL

MAIN UNIT NAME	TDF PARTS No.	TDF NAME
KDC-348U	Y33-3490-11	TDF-113D
KDC-4751SD	Y33-3482-73	TDF-4751SD
KDC-BT41U	Y33-3482-71	TDF-BT41U
KDC-BT648U	Y33-3480-10	TDF-BT116D
KDC-U4549	Y33-3490-21	TDF-U4549
KDC-U4549SD	Y33-3480-22	TDF-U4549SD
KDC-U549BT	Y33-3480-21	TDF-U549BT
KDC-X395	Y33-3490-10	TDF-113DX
KDC-X695	Y33-3480-11	TDF-116DX

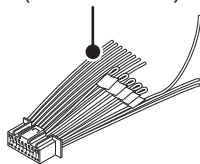
KDC-X695 : Panel assy (A64-5241-12)



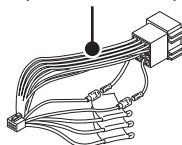
Mounting hardware assy (J22-2049-03)



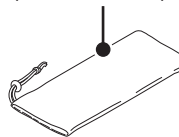
* DC cord (E30-6933-05)



* DC cord (E30-6934-05)



* Carrying case (W01-xxxx-xx)



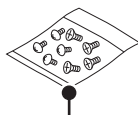
* Remote controller assy (RC-405) (A70-2104-05)



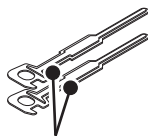
* Tap screw (2x8) (N80-2008-48)



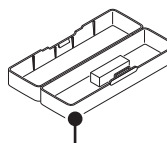
* Screw set (N99-1757-15)



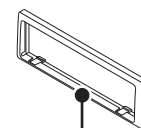
Lever (D10-7139-04) x2



* Plastic cabinet assy (A02-2757-13)



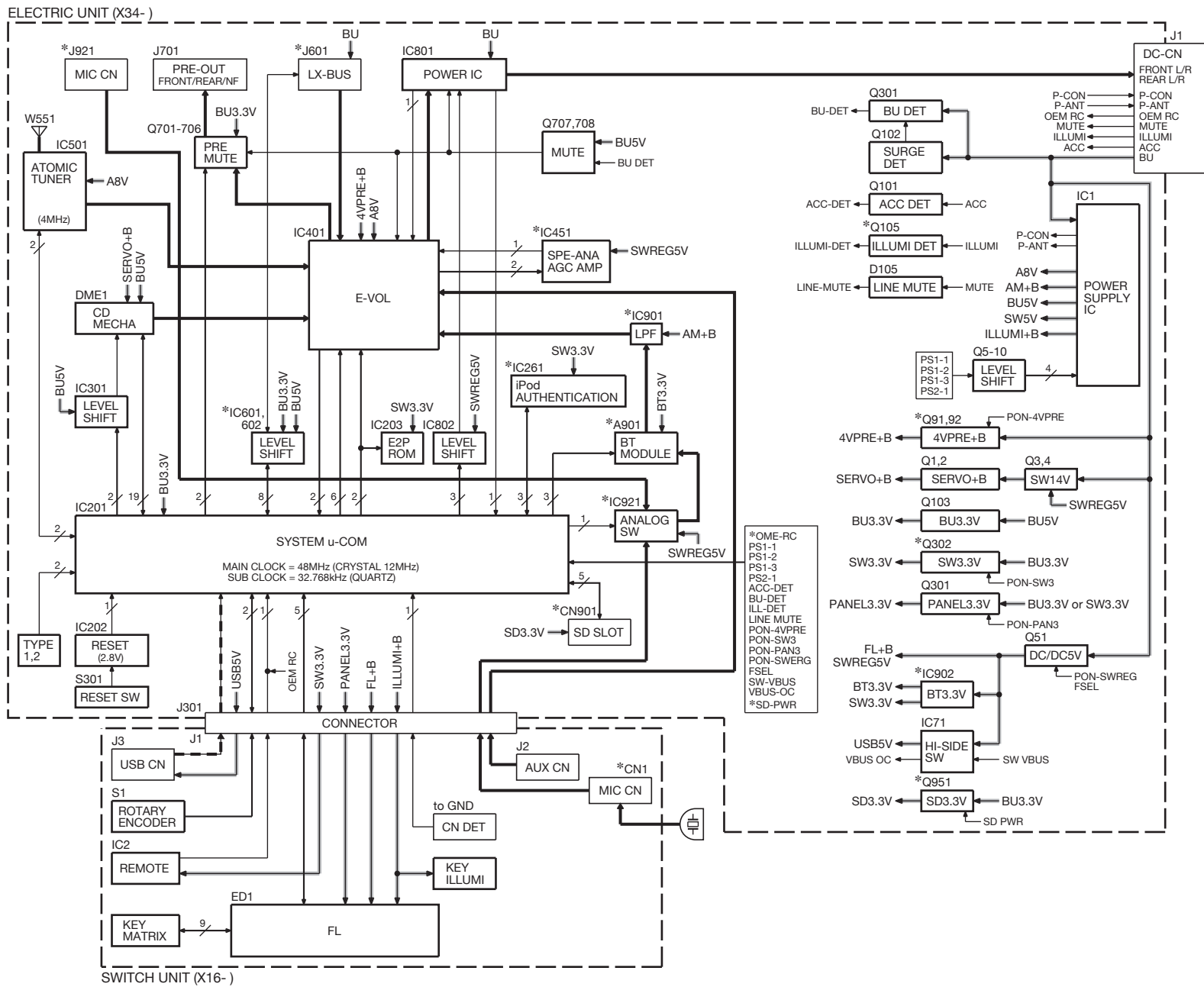
* Trim plate (xxx-xxxx-xx)



* Microphone (3m) (W01-1768-15)

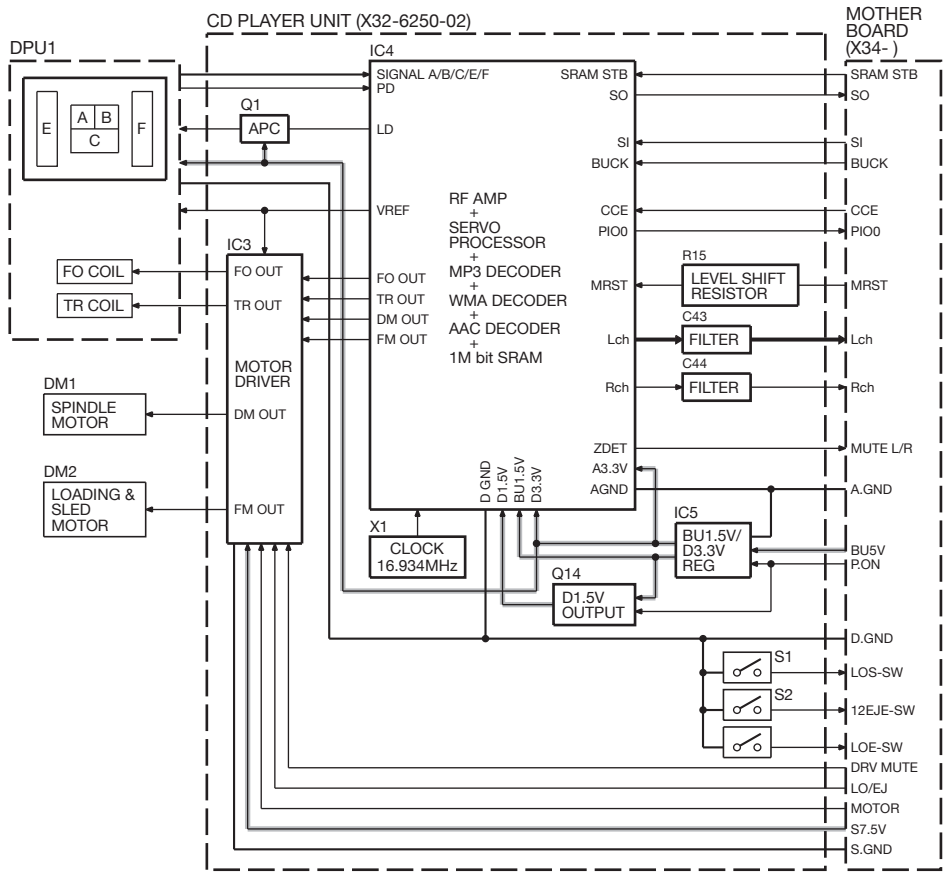


* Depends on the model. Refer to the parts list.



BLOCK DIAGRAM

BLOCK DIAGRAM



COMPONENTS DESCRIPTION

● ELECTRIC UNIT (X34-696x-xx)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC1	Power Supply IC	Outputs 5Vx2, 8V, 8.3V, 10.3V, P-CON, P-ANT.
IC21	3.3V AVR IC	Power supply for BU+3.3V to μ -COM.
IC51	SW REG	Power supply for D+5.1V to USB and panel.
IC71	Hi-side SW	USB over-current detection.
IC201	System μ -COM	Controls FM/AM tuner, CD mechanism, panel, volume.
IC202	Reset IC	Lo when detection voltage goes below 2.8V.
IC203	E2PROM	For log memory.
IC261	iPod Authentication IC	For Apple authentication.
IC301	3.3V to 5V	Level shift.
IC401	E-VOL	Controls the source and volume.
IC501	ATomIC RDS	Tuner IC.
IC601,602	3.3V to 5V	Level shift.
IC801	Power IC	Amplifies the front L/R and the rear L/R to 50W maximum.
IC802	3.3V to 5V	Level shift.
IC901	BT LPF	Bluetooth output low pass filter.
IC902	3.3V AVR	Power supply for BT/SD+3.3V.
IC921	Switch IC	MIC switching signal (Panel microphone/ Rear microphone)
Q1,2	SERVO+B AVR	When Q2's base goes Hi, AVR outputs 7.5V.
Q3,4	Control SW for SERVO+B	ON when Q3's base goes Hi.
Q5,6	Control SW for IC1	ON when Q5's base goes Hi.
Q7,8	Control SW for IC1	ON when Q7's base goes Hi.
Q9,10	Control SW for IC1	ON when Q9's base goes Hi.
Q51	FREQ CONT SW for IC51	1.1MHz when the base goes Lo, 1.7MHz when the base goes Hi.
Q91,92	4V PREOUT+B AVR	When Q92's base goes Hi, AVR outputs 12V.
Q93,94	CONT SW for 4V PREOUT+B	ON when Q94's base goes Hi.
Q101	ACC DET	ON when the base goes Hi during ACC is applied.
Q102	Surge DET	When the base goes Hi, surge voltage is detected.
Q103	BU DET	ON when the base goes Hi during BU is applied.
Q104	Mute CONT	ON when the base goes Hi.
Q301	PAN3.3V SW	ON when the base goes Lo.
Q302	SW3.3V SW	ON when the base goes Lo.
Q701,702	Pre-out Mute SW	When one of 2 bases goes Hi, pre-out is muted.
Q703,704	Pre-out Mute SW	When one of 2 bases goes Hi, pre-out is muted.
Q705,706	Pre-out Mute SW	When one of 2 bases goes Hi, pre-out is muted.
Q707,708	Mute Driver for Pre-out	ON when the base goes Lo.
Q921	MIC SW CONT	Rear MIC when the base goes Lo, panel MIC when the base goes Hi.
Q951	SD3.3V SW	ON when the base goes Lo.

COMPONENTS DESCRIPTION

● CD PLAYER UNIT (X32-6250-02)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC3	4ch BTL Driver	Driver for focusing & tracking coil, driver for sled & spindle motor, and operation for disc loading & ejection.
IC4	Servo DSP with built-in Audio DAC	With built-in MP3/WMA/ACC decoder and 1M-bit-SRAM.
IC5	BU1.5V/D3.3V REG.	Power supply for BU1.5V. Power supply for digital/analogue/audio 3.3V.
Q1	APC (Auto Power Control)	Drives LD (Laser Diode).
Q14	D1.5V Output	Switches ON/OFF at one end of BU1.5V line which is separated into 2 directions. Uses output voltage as D1.5V.
D2	Laser Diode Protection	Prevents reverse bias which is applied to laser. Laser destruction prevention.
D3,4	Static Electricity Countermeasure	Prevents malfunction by static electricity.

MICROCOMPUTER'S TERMINAL DESCRIPTION

● System μ -COM : IC201 (X34- : ELECTRIC UNIT)

Pin No.	Pin Name	I/O	Application	Truth Value Table	Processing / Operation / Description
1,2	NC	-	Not used		
3	AVSS	-	Reference GND for A/D converter		Connects to GND even when A/D converter is not used
4	VREFH	-	Reference power supply for A/D converter		Connects to +B even when A/D converter is not used
5	$\overline{\text{RESET}}$	I	Reset input		
6	MODE	I	Mode		Connects to GND
7	IPOD SDA	I/O	I2C data input/output for iPod authentication IC		
8	IPOD SCL	O	I2C clock output for iPod authentication IC		
9	$\overline{\text{IPOD RST}}$	O	Reset signal for iPod authentication IC		
10	ROTARY CW	I	VOL encoder input		Pulse width detection
11	VFD DATA	I/O	VFD data input/output		VFD data input/output
12	VFD PAN DATA	I	VFD data input		VFD data input
13	VFD CLK	O	VFD clock output		125kHz
14	ROTARY CCW	I	VOL encoder input		Pulse width detection
15	DVSS	-	GND		
16	$\overline{\text{VFD RST}}$	O	VFD driver reset output		H: Reset cancelled, L: Reset Momentary power down or panel detached or 11 minutes after ACC OFF: L
17	VFD CE	O	VFD control request		
18	$\overline{\text{PON SW3}}$	I/O	SW3.3V control		ON: L, OFF: Hi-Z
19	BSIF LRCK	O	BS LRCK output		
20	BSIF BCK	O	BS BCK output		
21	BSIF DATA	O	BS DATA output		
22	BSIF GATE	O	Data transfer starting signal		
23	BSIF ST REQ	I	Data input request signal		
24	MIC SW	O	BT microphone switching (KDC-BT648U)		L: Panel microphone, H: Rear microphone
25	$\overline{\text{PON PANEL3}}$	I/O	PAN3.3V control		ON: L, Momentary power down or panel detached or 11 minutes after ACC OFF: Hi-Z
26	NC	-	Not used		Output L fixed
27	PANEL DET	I	Panel connection detection		H: No panel, L: Panel attached
28	NC	-	Not used		Output L fixed
29	CD BREAK	O	CD motor brake	①	Refer to the truth value table
30	CD LOEJ	O	CD motor control	①	Refer to the truth value table
31	CD PON	I/O	CD mechanism power supply control output		H: Power supply ON, Hi-Z: Power supply OFF
32	CD LOE LIM SW	I	CD detection (Chucking SW)		H: Loading completed, L: No disc
33	$\overline{\text{CD SRAM STBY}}$	O	Decoder SRAM standby control		L: SRAM standby
34	CD REQ	I	Communication request from mechanism DSP		H: Data request
35	CD LOS SW	I	CD loading detection		
36	CD SO	O	Serial interface transmission		
37	CD SI	I	Serial interface reception		
38	CD CLK	O	Serial interface clock output		1MHz
39	BEEP	O	Beep output		2kHz/1kHz
40	CD DISC12 SW	I	12cm disc detection		

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Truth Value Table	Processing / Operation / Description
41	ZDET IN	I	0-bit mute request		H: Mute request, L: Normal play
42	$\overline{\text{CD RST}}$	O	CD mechanism reset		H: Normal, L: Reset
43	$\overline{\text{CD CCE}}$	O	CD mechanism chip enable		
44	$\overline{\text{CD DRIVE MUTE}}$	O	CD motor driver mute output		
45	CD MOTOR	O	CD motor switching control	①	Refer to the truth value table
46	NC	-	Not used		Output L fixed
47	DVCC3	-	Power supply		
48	DVSS	-	GND		
49,50	NC	-	Not used		Output L fixed
51	$\overline{\text{SD CD}}$	I	SD card insert detection		L: SD found
52	$\overline{\text{SD PWR}}$	I/O	SD block power supply control		L: POWER ON, Hi-Z: POWER OFF
53	$\overline{\text{BT RST}}$	O	BT module reset		L: BT reset, H: Normal
53	$\overline{\text{SD CS}}$	O	CS output to SD		
54~56	NC	-	Not used		Output L fixed
57	PS1-1	O	Power supply IC control	②	Refer to the truth value table
58	PS1-2	O	Power supply IC control	②	Refer to the truth value table
59	PS1-3	O	Power supply IC control	②	Refer to the truth value table
60	PS2-1	O	Power supply IC control	②	Refer to the truth value table
61	NC	-	Not used		Output L fixed
62	FSEL1	O	SW-REG frequency switching		
63	NC	-	SW-REG frequency switching		Output L fixed
64	PON SW-REG	O	SW-REG ON/OFF		L: OFF, H: ON
65	BT SYS DATA	O	Data output to BT		
65	SD DO	O	Data output to SD		
66	BT BT DATA	I	Data input from BT		
66	SD DI	I	Data input from SD		
67	SD CLK	O	Clock output to SD		
68~70	NC	-	Not used		Output L fixed
71	$\overline{\text{ILLUMI DET}}$	I	Dimmer illumination detection		L: ON, H: OFF
72	$\overline{\text{BU DET}}$	I	Momentary power-down detection		BU found: L, No BU or momentary power down: H (Operates less than 4ms after momentary power down)
73	$\overline{\text{ACC DET}}$	I	ACC detection		ACC found: L, No ACC: H
74	NC	-	Not used		Output L fixed
75	PON 4V-PRE	I/O	4V-PRE power supply control (eXcelon model)		H: ON, Hi-Z: OFF
76	$\overline{\text{SA RST}}$	O	Reset output for spectrum analyzer		H: Reset cancelled, L: Reset
77	SA CLK	O	Clock output for spectrum analyzer		
78	$\overline{\text{MUTE 0}}$	O	Front direct mute		L: Mute ON (Time constant solo setting: 10ms), H: Normal
79	$\overline{\text{MUTE 1}}$	O	Rear direct mute		L: Mute ON (Time constant solo setting: 10ms), H: Normal
80	$\overline{\text{MUTE 2}}$	O	Other direct mute		L: Mute ON (Time constant solo setting: 10ms), H: Normal (Countermeasure against IC2 shock noise)

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Truth Value Table	Processing / Operation / Description
81	$\overline{\text{MUTE AFS}}$	I/O	AFS mute		L: Mute ON (Time constant solo setting: 0.5ms), Hi-Z: Normal
82	$\overline{\text{PWIC MUTE}}$	O	Power IC mute		STANDBY source or momentary power down: L, TEL mute: L
83	$\overline{\text{PWIC STBY}}$	O	Power IC standby control		POWER ON: H, POWER OFF: L
84	PWIC DC ERR	I	Detection of power IC's +B and GND short-circuited		
85	LX DATA M	O	Data to slave unit		SIO mode transmission
86	LX DATA S	I	Data from slave unit		SIO mode reception
87	LX CLK	I/O	LX-BUS clock		SIO mode clock (125kHz or 107kHz)
88	NC	-	Not used		Output L fixed
89	DVCC3	-	Power supply		
90	DVSS	-	GND		
91	SW DIO	-	For on-board writing		
92	SW CLK	-	For on-board writing		
93	TRACE CLK	-	For debug		
94	TRACE DATA 0	-	For debug		
95	TRACE DATA 1	-	For debug		
96	TRACE DATA 2	-	For debug		
97	TRACE DATA 3	-	For debug		
98	AUD SDA	I/O	I2C data input/output (E-VOL IC control)		Communication with E2PROM for system μ -COM data keeping
99	AUD SCL	O	I2C clock input/output (E-VOL IC control)		Communication with E2PROM for system μ -COM data keeping
100	LX RST	O	Forced reset to slave unit		H: Reset, L: Normal
101	LX MUTE	I	Mute request from slave unit		H: Mute ON, L: Mute OFF
102	LX REQ M	O	Communication request to slave unit		
103	LX CON	O	Start-up request to slave unit		H: Slave unit ON, L: Slave unit OFF
104	USB PON	O	USB P.ON output		H: ON, L: OFF
105	$\overline{\text{USB OC}}$	I	USB over-current detection		L: Detected, H: Normal
106	NC	-	Not used		Output L fixed
107	$\overline{\text{MUTE PRE}}$	O	External preout mute		O-bit or momentary power down: L, L: Mute ON
108	$\overline{\text{MUTE PRE SW}}$	O	External preout mute (SUB)		O-bit or momentary power down: L, L: Mute ON
109	LX REQ S	I	Communication request from slave unit		For external interrupt
110	TUN SDA	I/O	I2C data input/output (Tuner IC control)		
111	TUN SCL	O	I2C clock output (Tuner IC control)		I2C clock frequency: 200kHz
112	REMO	I	Input signal of remote control reception and wired remote control		Pulse width detection
113	REMO	I	Remote control signal input		Even pin No.112 is being short-circuited, input signal can be ignored in software
114	REG VCC3	-	Power supply		
115	XT1	I	Low frequency resonator connection		Sub clock: 32.768kHz
116	XT2	O	Low frequency resonator connection		Sub clock: 32.768kHz
117	CVCC3	-	Power supply		
118	X1	I	High frequency resonator connection		Main clock: 12MHz
119	CVSS	-	GND		

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Truth Value Table	Processing / Operation / Description
120	X2	O	High frequency resonator connection		Main clock: 12MHz
121	DVCC3	-	Power supply		
122	DVSS/REGVSS	-	GND		
123	USB D+	I/O	USB data connection		
124	USB D-	I/O	USB data connection		
125	NM IN	I	Non-maskable interrupt		
126	TEST1	-	For test		Output L fixed
127	TEST2	-	For test		Output L fixed
128,129	NC	-	Not used		Output L fixed
130	AVCC3	-	Power supply		
131	SA IN	I	Input data for spectrum analyzer		
132	AUD DC ERR	I	DC offset detection		
133	NC	-	Not used		
134	LINE MUTE	I	Line mute detection		TEL mute: Below 1V (Model without BT function), NAVI mute: Over 2.5V
135~138	NC	-	Not used		
139	TYPE 1	I	Destination switching		
140	TYPE 2	I	Destination switching		
141,142	NC	-	Not used		
143	SERIAL DET	I	For serial number writing		
144	NC	-	Not used		

Truth value table

① CD motor control

	CD MOTOR (Pin 45)	CD LOEJ (Pin 30)	CD BRAKE (Pin 29)
Standby	L	L	L
Eject	H	H	L
Load	H	L	L
Brake	H	H/L	H

② Power supply IC control SEL1 (Pin No.10 of IC1)

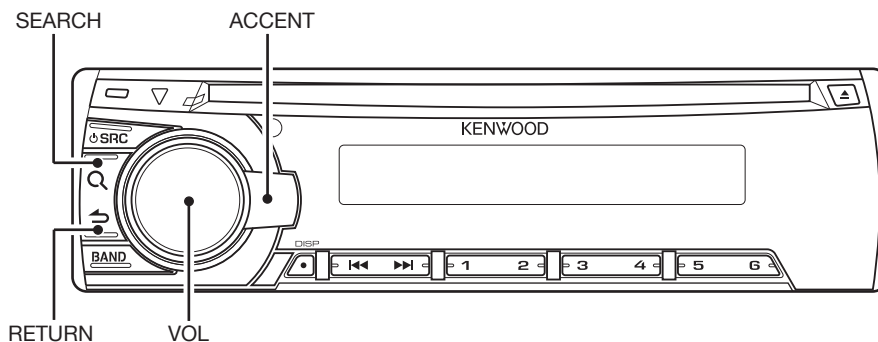
PS1-2 (Pin 58)	PS1-3 (Pin 59)	PS2-1 (Pin 60)	ILLUMI	P-CON	P-ANT
L	L	L	OFF	OFF	OFF
L	L	H	ON	OFF	OFF
H	L	H	ON	ON	OFF
H	H	H	ON	ON	ON

② Power supply IC control SEL1 (Pin No.11 of IC1)

PS1-1 (Pin 57)	AUDIO/SW5/AM
L	OFF
H	ON
H	ON

TEST MODE

1. Panel



2. How to enter each Test Mode

Test Mode name	Operation
Production Test Mode	Press and hold [1] key and [3] key and reset.
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)
Service information clear mode	Press and hold [2] key and [5] key and reset.
DC Error Information Mode	Press and hold [3] key and [6] key and reset.
Version display mode *1	While pressing and holding [RETURN] key, press [DISP] key.
Forced update mode	Press and hold [1] key and [SEARCH] key and reset.

* Transition to Test Mode shall be available during DC Error detection.

*1: The model that does not support firmware update function will not also support the version display mode.

3. How to release each Test Mode

- Reset
- Momentary voltage drop
- ACC OFF
- POWER OFF
- Panel Detach
- Arbitrary key operation (firmware and version display only)

4. Production Test Mode

● How to enter the production test mode

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

● Default status immediately after the mode activation

It shall be same as normal RST start in other settings than the following.

Details		
Difference in action	Period to prohibit TEL/LINE MUTE immediately after activation (normally 10 seconds)	1 second
	Initial CD mechanism operation at start-up	Prohibited
	Write-in to E2PROM when detecting a DC error	Prohibited
	Demo Mode ON/OFF Setting Menu	Prohibited
	Power supply during ACC OFF (Back Up On)	MUTE terminal turns OFF after 2 seconds (When the terminal is turned OFF, the CD mechanism does not function)
	BEEP sound	Beep with short-pressing in any functions

TEST MODE

Details		
Various setting value	Volume	30 (-10dB)
	BASS BOOST/LOUD	OFF
	EQ	NATURAL
	Fader/Balance	Center
	DEMO Mode Setting	OFF
	AUX Setting	ON1

● Mode structure

Some Test Modes change according to the current source.

The following table shows the current source in Set and the related test mode status.

Model source	Test mode
POWER OFF	-
Standby	STANDBY Test Mode
TUNER	TUNER Test Mode
CD	CD Test Mode
SD	-
BT	BT Test Mode (BT built-in model)
USB	-
AUX	-

● Basic operation of the [ACCENT] keys

◇ BT built-in model

Source	Condition	Operation
Other than BT Mode/HF interruption		BT Mode source
		■ Easy Setting
BT Mode	Transmit possible condition (displaying phone number)	Transmit
	Transmit impossible condition	BT Mode clear
		■ Easy Setting
HF interruption	Receiving	Off Hook (connect)
	Transmitting	Off Hook (disconnect)
	Connected	Off Hook (disconnect)
	Connected (receiving interruption)	Interruption receiving Menu
	Connected (receiving interruption Menu)	Invalid
	Connected (interruption connected)	Disconnect (Parrot dependent)
		■ (Invalid)

◇ SD built-in model

Source	Condition	Operation
Other than SD SRC	SD inserted	SD SRC
	SD not inserted	Invalid
		■ Invalid
SD SRC		-
		-

TEST MODE

◇ USB model

Source	Condition	Operation
Other than iPod SRC	iPod inserted	iPod SRC
	iPod not inserted	Invalid ■ Invalid
iPod SRC		Invalid ■ iPod By Hand Mode

● Mode content

Syscom shall display the following information after entering this mode. The operation shown below shall be workable.

Display content	Details
<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	All lights ON

● STANDBY Test Mode Specification

Operation	Display content	Details
1 (Toggle)	Syscom version display <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> S Y S 0 1 - 2 0 0 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> S Y S 0 3 - 2 0 0	Syscom version SYS01: BT/USB 13 digit model SYS03: SD MODEL
	BT module version display [B] [T] [] [H] [X] [X] [X] [S] [X] [X] [X] [X] [X]	BT module/version display (Target model: BT)
	Information display Mechanism model name <input type="checkbox"/> 9 [B] [2] [0] : <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Mechanism version	Mechanism model name and mechanism version display
	All lights ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	All lights ON (Switch with other display)
2 (Toggle)	Serial No. display <input type="checkbox"/> S N <input type="checkbox"/> <input type="checkbox"/> : 0 0 0 0 0 0 0 0	Serial No. display (8-digit) * Display as it is in hex
	All lights ON <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	All lights ON (Switch with other display)
3 (Toggle)	All lights ON/OFF <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	All lights ON/OFF with toggle
4 (Toggle) USB model only	Information display iPod verification IC mount status display i P o d <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> i P o d <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> OK i P o d <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> NG i P o d <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> **	iPod verification IC mount status display Blank: Verifying OK: Verification IC mounted NG: Verification IC not mounted **: Non-iPod support model
	All lights ON/TEST <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	All lights ON (Switch to other display)
5 (Toggle)	Preout switch S W P R E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> R E A R <input type="checkbox"/> S W P R E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> S U B - W	Switch Preout with toggle (KDC-4751SD/BT41U/U549BT)
6 (Toggle)	All lights ON/OFF <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Switches between all lights ON and all lights OFF
SOURCE transition	Mode release <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Return to Normal mode
■RETURN	Mode release <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Return to Normal mode
DISP	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Display blinks once when key is pressed.
BAND	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Display blinks once when key is pressed.
SEARCH	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Display blinks once when key is pressed.

TEST MODE

● Tuner Test Mode Specification

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

Status	Display content	Details
TUNER IC Normal Error	T U N <input type="checkbox"/> C O N <input type="checkbox"/> N G <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Communication to TUNER IC not available (indicated unless the mode is in Clock Display Mode).
Adjustment not implemented	* E R R * <input type="checkbox"/> <input type="checkbox"/> A <input type="checkbox"/> 9 7 . 9 A Blink in 2Hz	For models that TUNER adjustment is necessary but not done (adjustment value: 0x00 or 0xFF), the following TUNER Test Mode functions are valid (“*ERR*” display is continuing).
RDS Specified data reception	R D S <input type="checkbox"/> T E S T <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Turn OFF P-CON forcibly if PS=RDS TEST is received. P-CON recovers with Power OFF/ON.

◇ Operations

Operation	Display content	Details
ACCENT	TUNER IC display A T O M <input type="checkbox"/> R D S <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Display TUNER IC version
BAND	BAND switch operation F M 1 - 3 <input type="checkbox"/> <input type="checkbox"/> A <input type="checkbox"/> 9 7 . 9 A	Execute Band Switch as shown in the following table every time Band key is pressed in each type.
SEARCH	S meter voltage judgment display S - M T R <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> x x : O K S - M T R <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> x x : N G S - M T R <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> x x : - -	S meter value xx: Current S meter value Determination result OK: Within S meter voltage spec NG: Out of S meter voltage spec -- : No LEVEL OFFSET adjustment
■DISP	Shift to TUNER setting adjustment mode <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Shift to TUNER setting adjustment mode after switching to 98.3MHz SG setting values Frequency: 98.3MHz, Modulation frequency: 1kHz, Modulation mode: MONO, Modulation: OFF, Deviation: 40kHz, ANT input level: 34dBμV

◇ TUNER Setting Adjustment Mode

1) Operation (Operation after performance of above-mentioned “Shift to TUNER setting adjustment mode” item)

Operation	Display content	Details
■BAND (Toggle)	AUTO Adjustment Mode A <input type="checkbox"/> S - x x <input type="checkbox"/> L - x x <input type="checkbox"/> <input type="checkbox"/>	Select TUNER adjustment method (AUTO) using [BAND] key. S-xx: Current S meter value (Hex) L-xx: Level offset value (Hex) * In case that the level offset value is not adjusted (0xFF or 0x00), display “- -”.
RETURN	Mode release <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Return to TUNER Test Mode

2) Operation in AUTO Adjustment Mode

Operation	Display content	Details
VOL PUSH	Adjustment start A <input type="checkbox"/> S - x x <input type="checkbox"/> L - x x <input type="checkbox"/> <input type="checkbox"/>	Start adjustment (Start Auto adjustment, and transit to Success/Failure display depending on the adjustment result)

TEST MODE

3) Status display during adjustment

Status	Display content	Details
Adjustment success	A D J <input type="checkbox"/> O K <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> : x x	When the adjustment value write-in to E2PROM (IC203 on X34) has been completed. xx: Level offset value (HEX)
Adjustment failure	A D J <input type="checkbox"/> N G <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	When the adjustment value write-in to E2PROM (IC203 on X34) has failed

4) Operation of return to TUNER Test Mode

Operation	Display content	Details
RETURN	Mode release <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Return to TUNER Test Mode.

◇ BAND switch list

Type	BAND1	BAND2	BAND3	BAND4	BAND5	BAND6	Details
K	①FM1	FM2	FM3	②AM	-	-	①→②
E	①FM1	FM2	FM3	②MW/LW	-	-	①→②
M	①FM1	FM2	FM3	②MW	SW1	SW2	①→②

● CD Test Mode Specification

It shall be the same as normal RST start in other than the below setting.

Content	Details
Playback track from top	No.9
Default for Display mode	Play time

◇ Operations in CD/DA playback

Operation	Display content	Details
▶▶	Special track up <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Every time pressed, track up/down performed as below. No.9→No.15→No.10→No.22→No.12→No.13→No.14→No.9 However, playback is from No.1 for discs with 8 tracks or less.
◀◀	Special track down <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	If transferred to tracks other than the above with B. Skip, up/down is performed 1 track at a time to the nearest track
3	Special jump operation <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Jump to No.28 (Scratch 0.7mm for MUSIC line vibration test)
4	Special jump operation <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Jump to No.14 (Damaged disc TCD-731RA Tr14)
5	Special jump operation <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Jump to No.15 • Set Volume value at 27 (2.5V PREOUT MODEL) • Set Volume value at 29 (4V PREOUT MODEL) (for error operation FCT check of 20Hz 0dB DC protection)
6	Special jump operation <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Jump to No.9 if the track No.22 is playing. Jump to No.22 if the track No.9 is playing.

● BT test mode specification (BT built-in model)

Initial condition of the BT MODE (BT source) will display as following.

Status	Display content	Details
BT MODE	B T <input type="checkbox"/> M O D E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	BT MODE display

TEST MODE

◇ Operations during BT MODE

Operation	Display content	Details
ACCENT	□ □ □ □ □ □ □ □ □ □ □ □ □ □	Clear the BT MODE (BT source) and transition to the last source. (Target model: BT)
■▶▶	I N I T I A L I Z E □ □ □	Press and hold this key for 2 seconds. The character string as shown in the left cell is displayed while the BT related memory is being initialized. (Target model: BT)
	B T □ I N I T □ □ □ □ : O K B T □ I N I T □ □ □ □ : N G	This is to initialize the BT related memory to its factory default condition. When the initialization is successfully completed, "...OK" (upper) is displayed, and when the initialization is abnormally completed, "...NG" (lower) is displayed. (Target model: BT)
■SEARCH	(The display blinks) S E A R C H I N G □ □ □ □	Press and hold this key for 1 second to initiate the BT device search. The search is terminated when 1 device is found. (Target model: BT)
	x x x x x x x x x x x x x x	When a device is found after the search, the name of that device is displayed. (Target model: BT)
	U N K N O W N □ □ □ □ □ □	When no device is found at the completion of the search. Only for this case, perform the search again by pressing the [VOL PUSH] key briefly. (Target model: BT)
	□ □ □ □ □ □ □ □ □ □ □ □ □ □	After the completion of the search, press and hold the [BAND] key for 1 second to exit from the test mode. (Target model: BT)
■BAND	I N T □ L O O P □ F □ □ □	<ul style="list-style-type: none"> Set the Volume to 22 and turn the internal loop back function ON by pressing and holding for 1 second. INT LOOP F: Display internal loop back by FRONT microphone INT LOOP R: Display internal loop back by REAR microphone Microphone setting initial value is FRONT for model with microphone setting. Display microphone position for each model for model without microphone setting. Details of display will not change except [F or R] if it is ON. +AM233 (Target model: BT)
	I N T □ L O O P □ R □ □ □	

◇ Operations during internal loop back (only with KDC-BT648U)

Operation	Display content	Details
DISP (Toggle)	I N T □ L O O P □ R □ □ □	Microphone REAR setting
	I N T □ L O O P □ F □ □ □	Microphone FRONT setting

*1: This is a function to clear the BT memory information recorded in the EEPROM and the FLASH memory to be initialized with the "Data flash clear" function, and to write the specific values to initialize it to its factory default condition.

Factory default condition

- Clearing of the pairing information (FLASH memory of the BT module)
- Clearing of the preset telephone numbers (EEPROM)
- Writing "KENWOOD BT CD/R-3P1" in the friendly name (FLASH memory of the BT module)

TEST MODE

- Writing “0000” in the PIN code (FLASH memory of the BT module)

*2: Perform internal LOOP-BACK inspection to check the connection of the built-in microphone (component).

This mode is cleared by reset. (Last status is not retained.)

● Special display while the [ACCENT] key is pressed

◇SD built-in model

Operation	Display content												Details	
[ACCENT] key	No SD	N	O		S	D								Display when SD is not inserted.

◇USB model (except BT built-in model)

Operation	Display content												Details	
[ACCENT] key	No iPod	N	O		I	P	O	D						Display when iPod is not inserted.

5. Service Test Mode

● How to enter the service test mode

While pressing [2] key, press and hold [6] key for 7 seconds in STANDBY source.

(It is not possible to enter the service test mode by pressing [2] key and [6] key simultaneously)

● Default status immediately after the mode activation

It shall be same as the normal activation.

● Mode structure

Service Test Mode can be executed independent of the current source.

● Mode content

Syscom shall display the following information after entering this mode. The operation shown below shall be workable.

Display content	Details
S R V <input type="checkbox"/> T E S T <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	The display is released when another operation is executed.

● Operation mode common to all sources

Operation	Display content												Details			
1 (Toggle)	Development name status display	1	0	1	7	W	E			-	2	0	0	Development name – Version (Micom)		
	BT module version display	B	T		H	x	x	x		S	x	x	x	.	x	BT module version display (Target model: BT)
	BT module address	B	T	A	D		x	x	x	x	x	x	x	x	x	BT module address display (Target model: BT)
	BT module PIN code	P	I	N		:	x	x	x	x	x	x	x	x	x	BT module PIN code display (Target model: BT)
	Information display Mechanism model name Mechanism version		9	B	2	0	:									Mechanism model name and mechanism version display

TEST MODE

Operation	Display content	Details
3	Power ON duration display P O N T M [] [] [] 0 H x x []	00~50 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	00001~10922 are displayed in "xxxxx". MAX 10922 (hours)
4	Disc action duration display C D T M [] [] [] 0 H x x []	0~50 are displayed in "xx". For less than 1 hour, the display is indicated per 10 minutes.
	C D T M [] [] [] x x x x x	00001~10922 are displayed in "xxxxx". MAX 10922 (hours)
5	Disc Eject number of times display E J C N T [] [] [] x x x x x	Display Disc Eject number of times. MAX 65535 (times)
■5	Disc Eject number of times clear [] [] [] [] [] [] [] [] [] [] [] []	Clear Disc Eject number of times by pressing for 2 seconds when it is displayed.
⏪	Forced Power OFF information display P O F F [] - - [] [] [] []	No forced Power OFF
	P O F F [] P N L [] [] [] []	Forced Power OFF due to Syscom-Panel communication error.
■⏪	Forced Power OFF info clear [] [] [] [] [] [] [] [] [] [] [] []	Clear forced Power OFF information by pressing for 2 seconds when it is displayed.

● CD Error Information Display Mode

Operation	Display content	Details	
DISP	CD error information display mode	Transit to CD error information display mode.	
Move between BAND (Forward search) items with ⏪/⏩	CD Mecha error log display M E C H A [] E R # [] [] : x x	Mecha error history 1,2,3 (latest) #: History No. (1,2,3) xx: numbers of errors, "--" when there is none	
	CD Load error info display L O A D [] [] E R # [] [] : x x	Load error switch 1,2 #: Switch No. (1,2) xx: numbers of errors, "--" when there is none	
	CD Eject error info display E J E C T [] E R # [] [] : x x	Eject error switch 1,2,3,4 #: Switch No. (1,2,3,4) xx: numbers of errors, "--" when there is none	
	CD time code error count information display (count skip)	C N T [] L O S E [] [] [] []	CD time code error count information (count skip) mode display
		C D D A [] [] [] [] [] [] : x x	CD-DA error count numbers xx: numbers of errors and "--" when there is none
		C D R O M [] [] [] [] [] [] : x x	CD-ROM (compressed file) error count numbers xx: numbers of errors and "--" when there is none
	CD time code error count information display (no count update)	C N T [] S T A Y [] [] [] []	CD time code error count information (count not updated) mode display
		C D D A [] [] [] [] [] [] : x x	CD-DA error count numbers xx: numbers of errors and "--" when there is none
		C D R O M [] [] [] [] [] [] : x x	CD-ROM (compressed file) error count numbers xx: numbers of errors and "--" when there is none
	■DISP	CD error information clear	CD error information all clear
DISP	Mode release	CD error information display mode release	

TEST MODE

6. Version Display Mode

● How to enter the version display mode

While pressing and holding [RETURN] key, press [DISP] key.

● Default condition when the mode is started

Same as normal start-up.

● Mode structure

Version display mode can be executed independent of the current source.

However, this mode is supported only on the model that supports the firmware update function.

● Mode content

After entering this mode, system μ -com will display the following information regardless of the status.

Display content	Details
1 0 1 1 W E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - 2 0 0	Development name – Version (Micom)

Display content	Model	Development name
1 0 0 9 W M <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - X . X X	KDC-U4549	C-1009WM
1 0 1 0 W K <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - X . X X	KDC-X395	C-1010WKB
1 0 1 7 W E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - X . X X	KDC-BT41U	C-1017WE
1 0 1 7 W K <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - X . X X	KDC-BT648U	C-1017WK
1 0 1 7 W M <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - X . X X	KDC-U549BT	C-1017WM
1 0 1 8 W K <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - X . X X	KDC-X695	C-1018W
1 0 4 0 W K <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - X . X X	KDC-348U	C-1040W
1 0 4 3 W E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - X . X X	KDC-4751SD	C-1043WE
1 0 4 3 W M <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> - X . X X	KDC-U4549SD	C-1043WM

7. DC Error Information Mode

● How to enter the DC error information mode

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

● Default status immediately after the mode activation

It shall be same as normal activation.

● Mode structure

DC Error Info Mode is enabled regardless of current source.

● Mode content

Syscom shall display the following information after entering this mode. The operation shown below shall be workable.

Display content	Details
D C <input type="checkbox"/> E R R <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	When DC error is detected (in case that one of capacitor leakage, wrong connection or other detection is found)
D C <input type="checkbox"/> O K <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	When DC error is not detected (in case that none of capacitor leakage, wrong connection or other detection is not found)

TEST MODE

● Mode operation specification

Operation	Display content		Details
1	DC ERR1 display	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
■1	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)
2	DC ERR2 display	D C 2 4	Display detecting number of times in capacitor leakage detection duration (0~4)
■2	DC ERR2 clear	D C 2 0	Clear number of times for detection information in capacitor leakage detection duration. (Clear data flash)

8. Forced Update Mode

● How to enter the forced update mode

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

● Default status immediately after the mode activation

It shall be same as normal activation.

● Mode structure

Forced update mode can be executed independent of the current source.

● Mode content

After entering the mode, perform the normal SRC feed with the [SRC] key, or DISC insertion.

The display of the SRC switching is shown in the same manner as the display of the normal mode.

After the completion of READING, start the UPDATE if there is an update file.

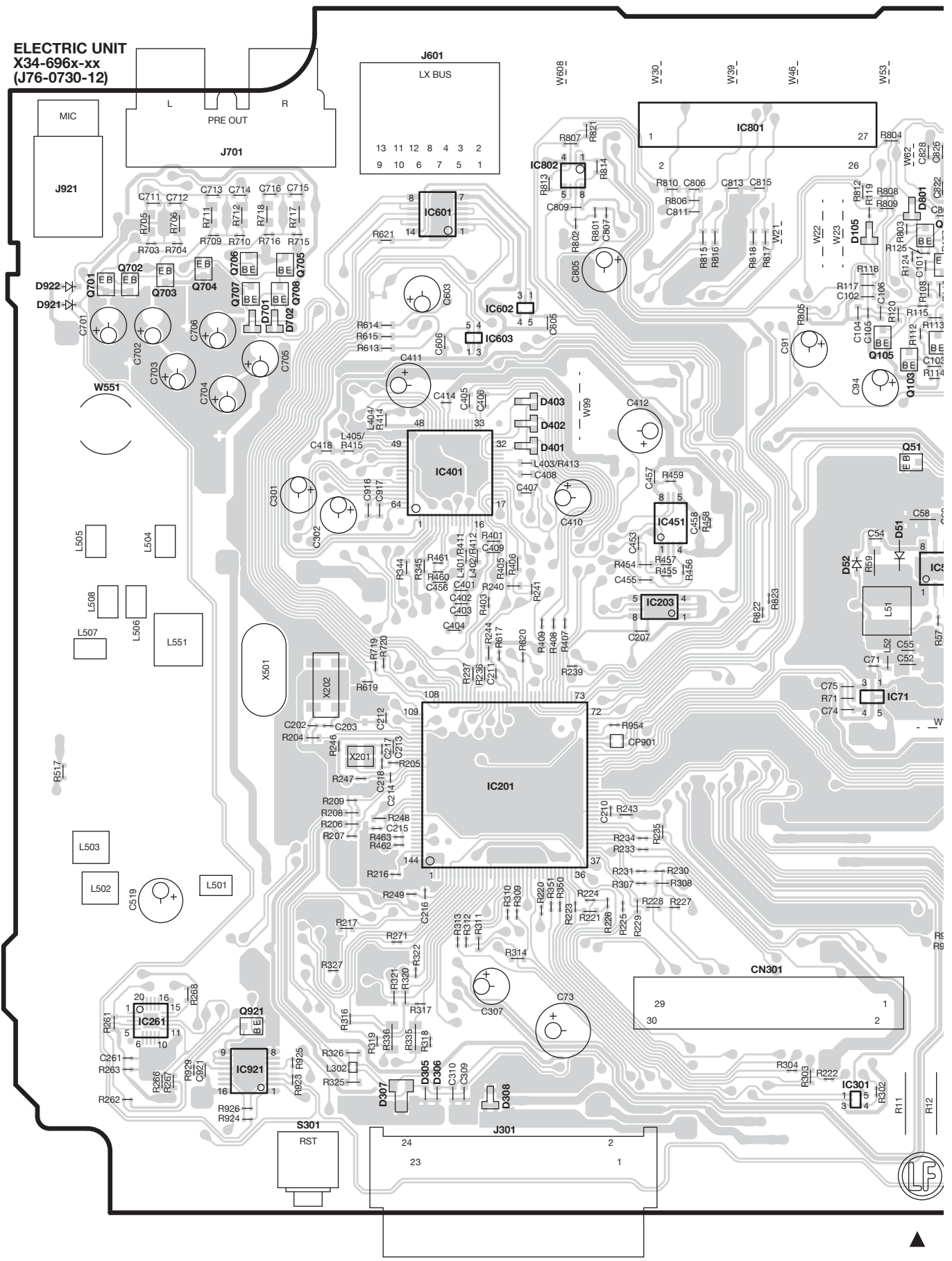
If there is no update file, display "NO FILE".

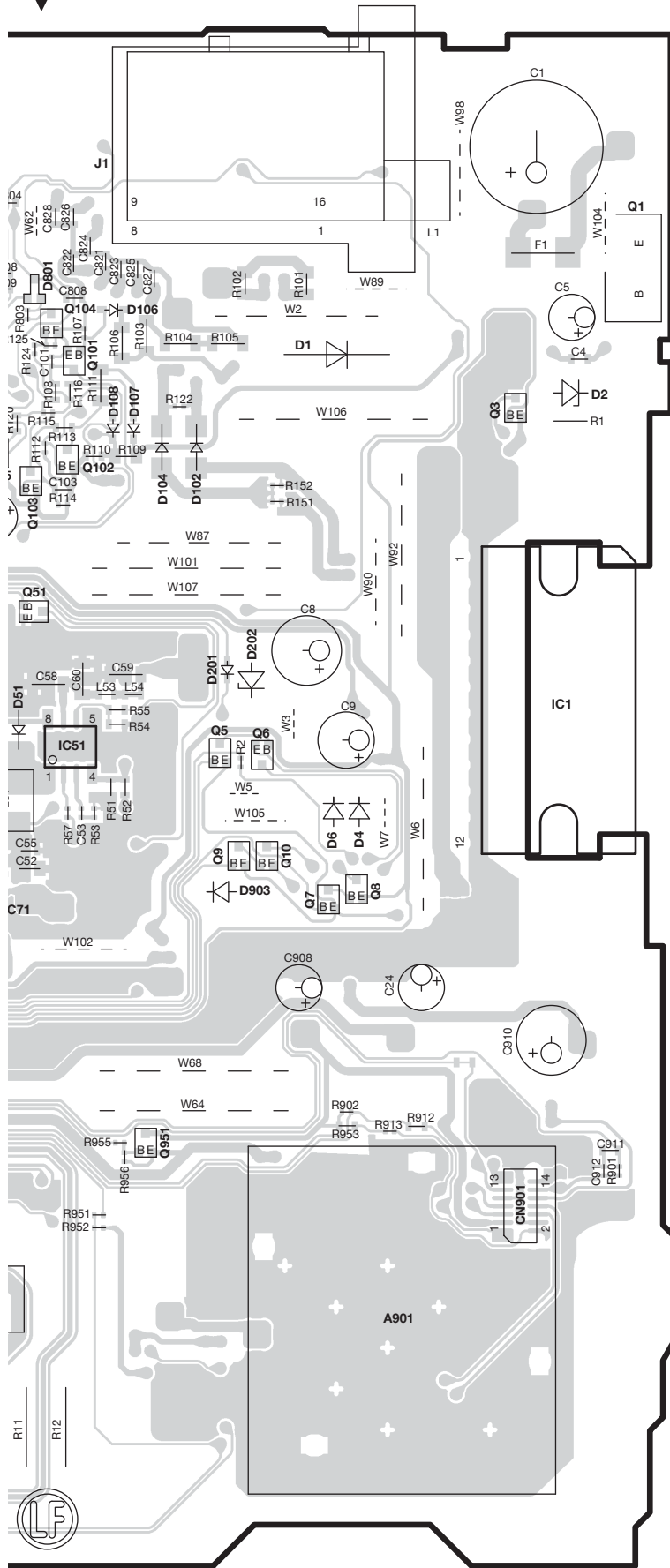
Display specification for this will be as following.

Display content	Details
F / W U P M O D E	STANDBY condition in the forced update mode
F I L E C H E C K	File Check display after SRC switching
R E A D I N G	Display while Reading
N O F I L E	Display when there is no update file
U P D A T I N G	Display after confirming the existence of an update file, and updating (The display blinks)
C O M P L E T E V 3 0 0	Update completed (Version that was data written is displayed after completion)
U P D A T E E R R	Update error

PC BOARD (COMPONENT SIDE VIEW)

ELECTRIC UNIT
X34-696x-xx
(J76-0730-12)

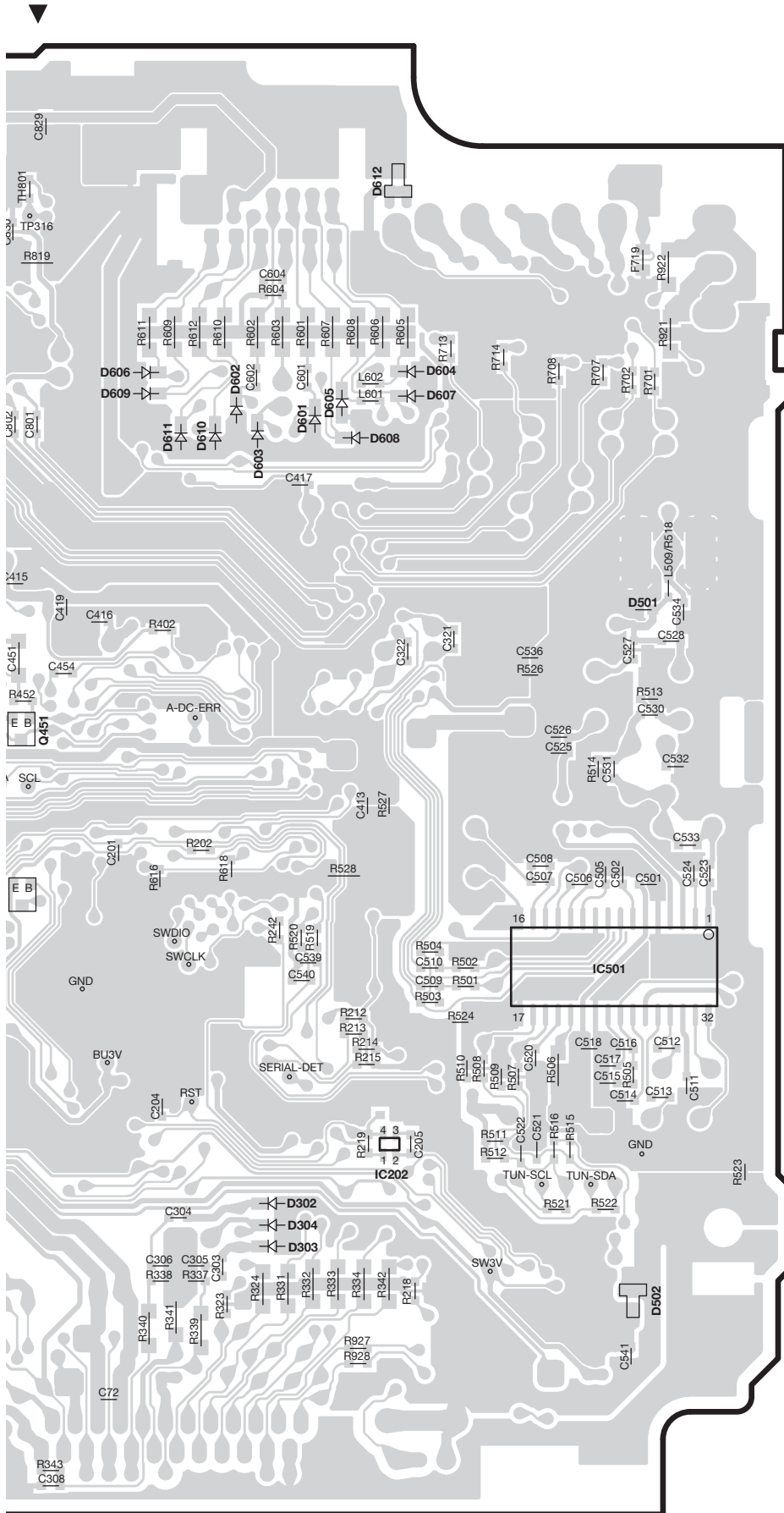




X34-696x-xx

Ref. No.	Address
IC1	4H
IC51	4F
IC71	5E
IC201	5C
IC203	4D
IC261	6B
IC301	6E
IC401	3C
IC601	2C
IC602	3C
IC801	2E
IC802	2D
IC921	6B
Q1	2H
Q3	3G
Q5	4F
Q6	4F
Q7	5G
Q8	4G
Q9	4F
Q10	4G
Q51	3E
Q101	2F
Q102	3F
Q103	3E
Q104	2F
Q701	3A
Q702	3B
Q703	3B
Q704	3B
Q705	2B
Q706	2B
Q707	3B
Q708	3B
Q921	6B
Q951	5F

Refer to the schematic diagram for the values of resistors and capacitors.



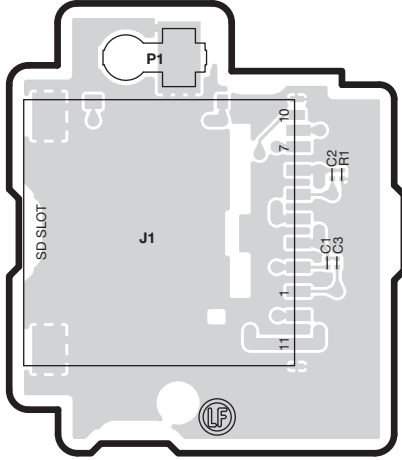
X34-696x-xx

Ref. No.	Address
IC21	5L
IC202	6Q
IC501	5R
IC901	6M
IC902	5M
Q2	2L
Q4	3L
Q91	3N
Q92	3N
Q93	3N
Q94	3N
Q301	7N
Q302	5O

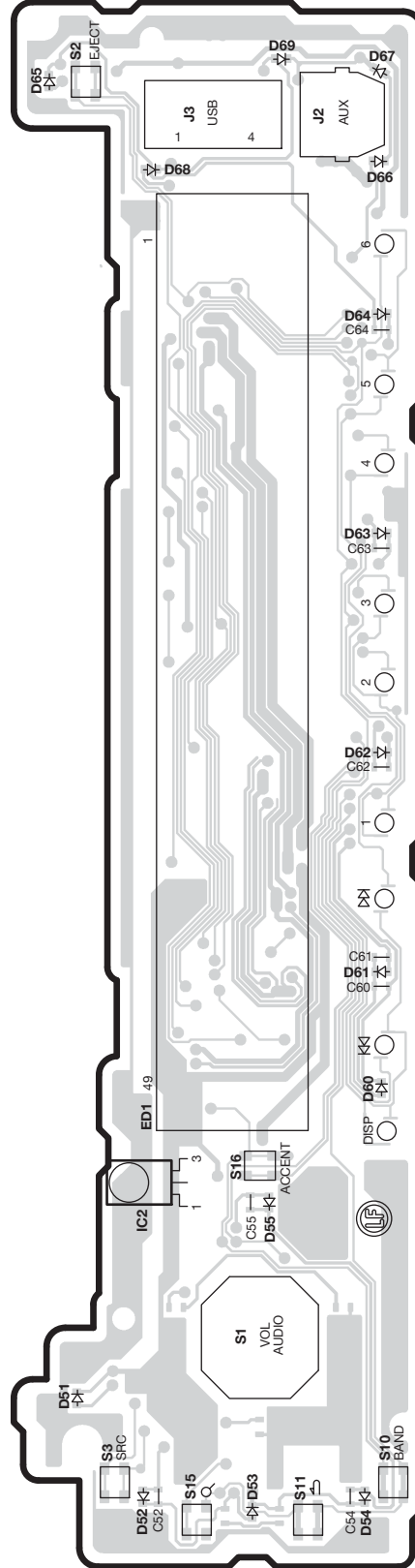
Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (COMPONENT SIDE VIEW)

SYNTHESIZER UNIT
X15-1552-70 (J76-0737-12)



SWITCH UNIT
X16-707x-xx (J76-0731-02)

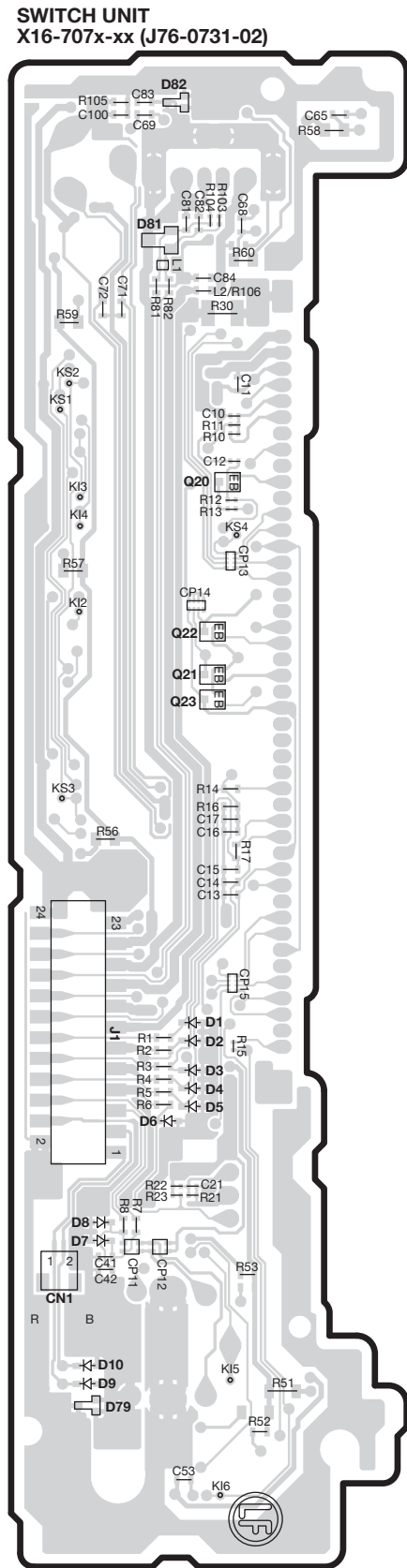
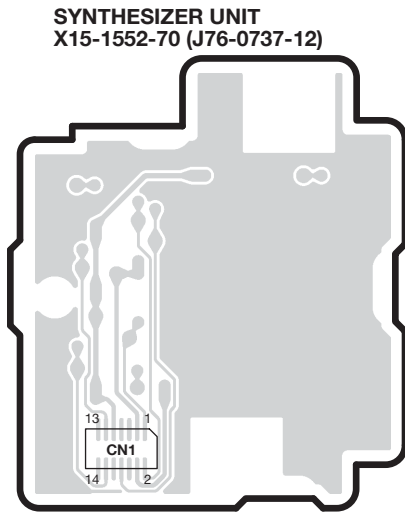


X16-707x-xx

Ref. No.	Address
IC2	6X

Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (FOIL SIDE VIEW)



X16-707x-xx

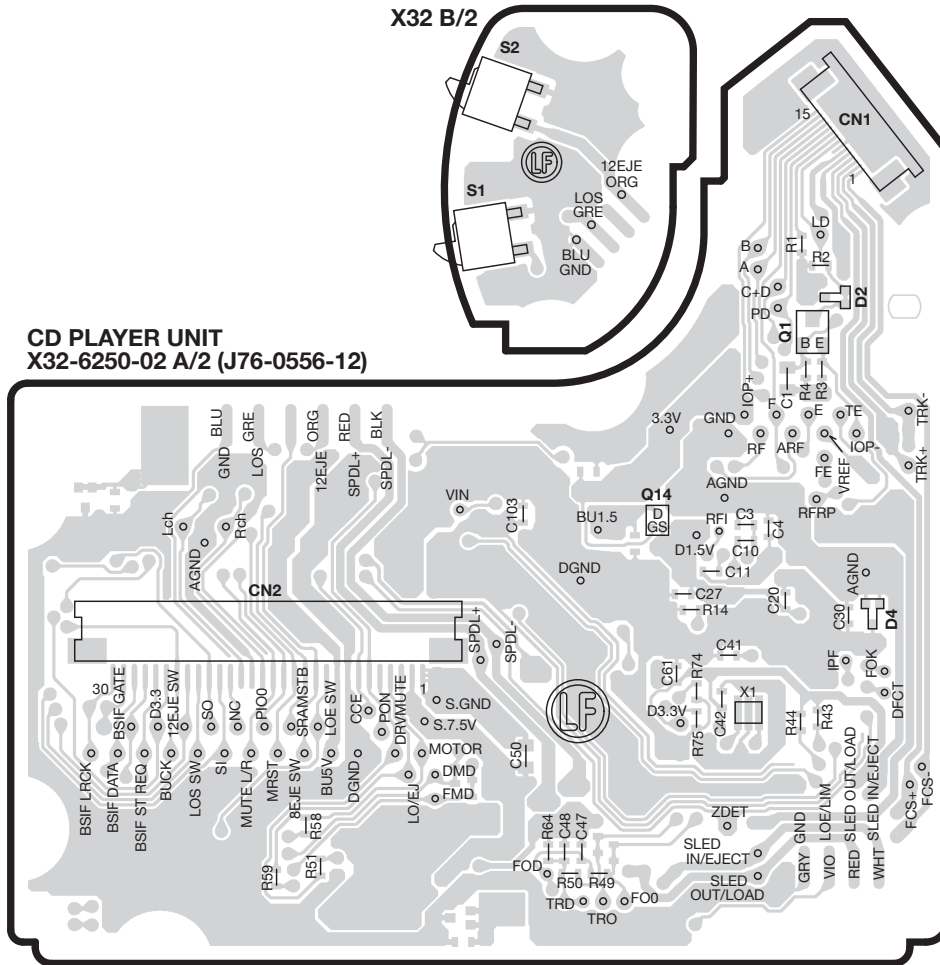
Ref. No.	Address
Q20	3AC
Q21	4AC
Q22	3AC
Q23	4AC

Refer to the schematic diagram for the values of resistors and capacitors.

KDC-348U/4751SD/BT41U/BT648U
/U4549/U4549SD/U549BT/X395/X695

PC BOARD (COMPONENT SIDE VIEW)

X32 B/2



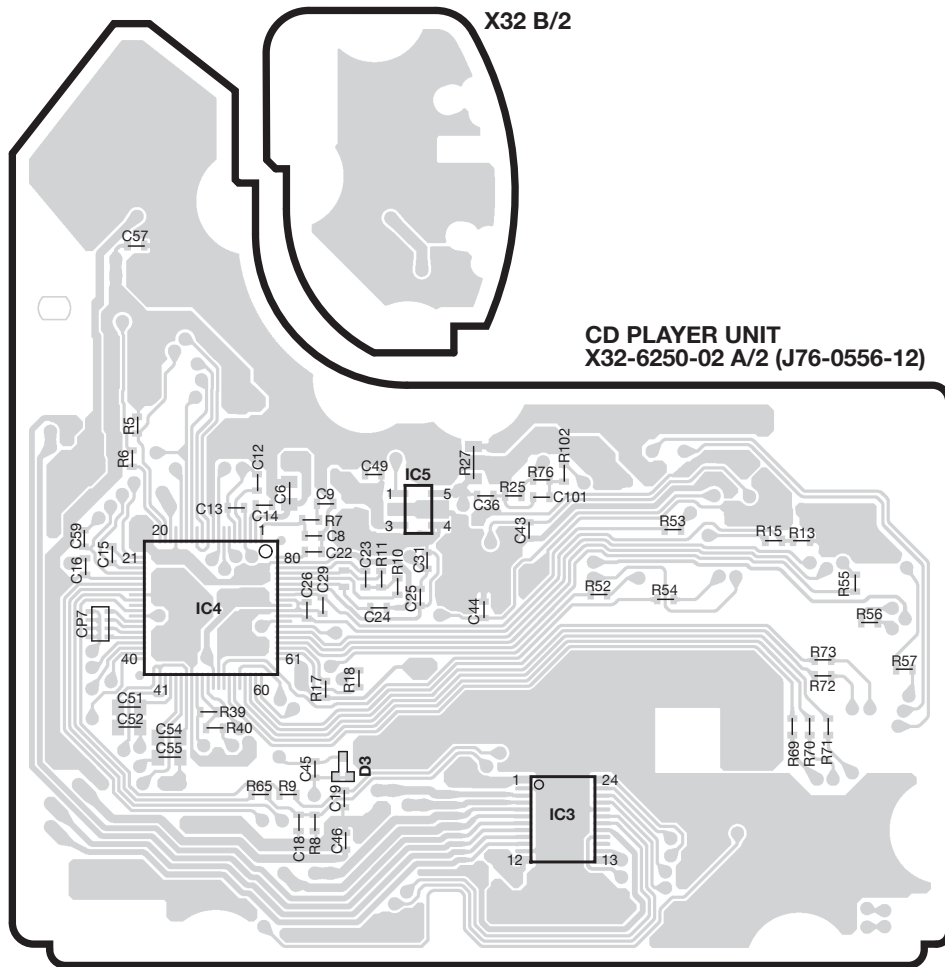
CD PLAYER UNIT
X32-6250-02 A/2 (J76-0556-12)

X32-6250-02

Ref. No.	Address
Q1	2AH
Q14	3AH

Refer to the schematic diagram for the values of resistors and capacitors.

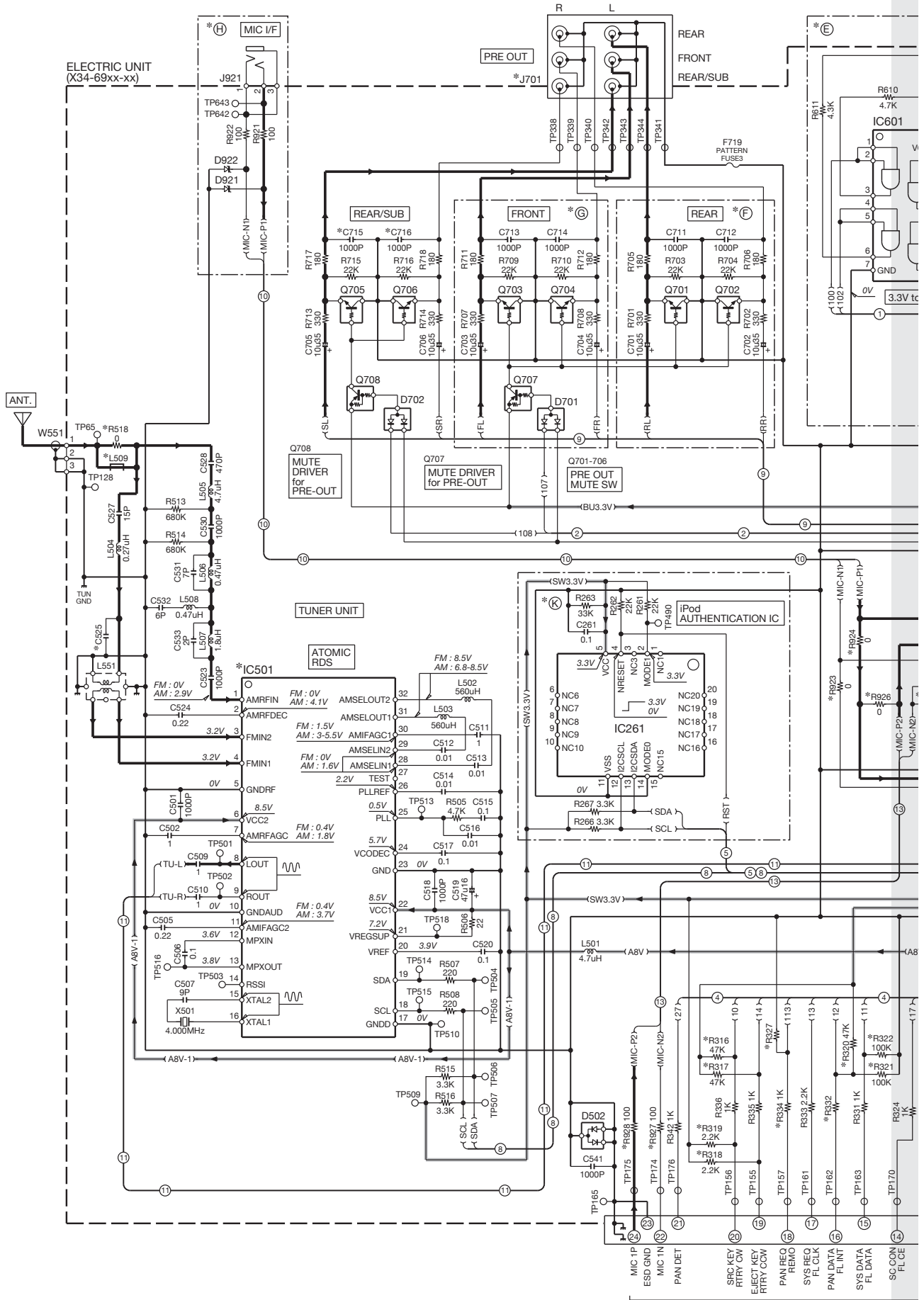
PC BOARD (FOIL SIDE VIEW)

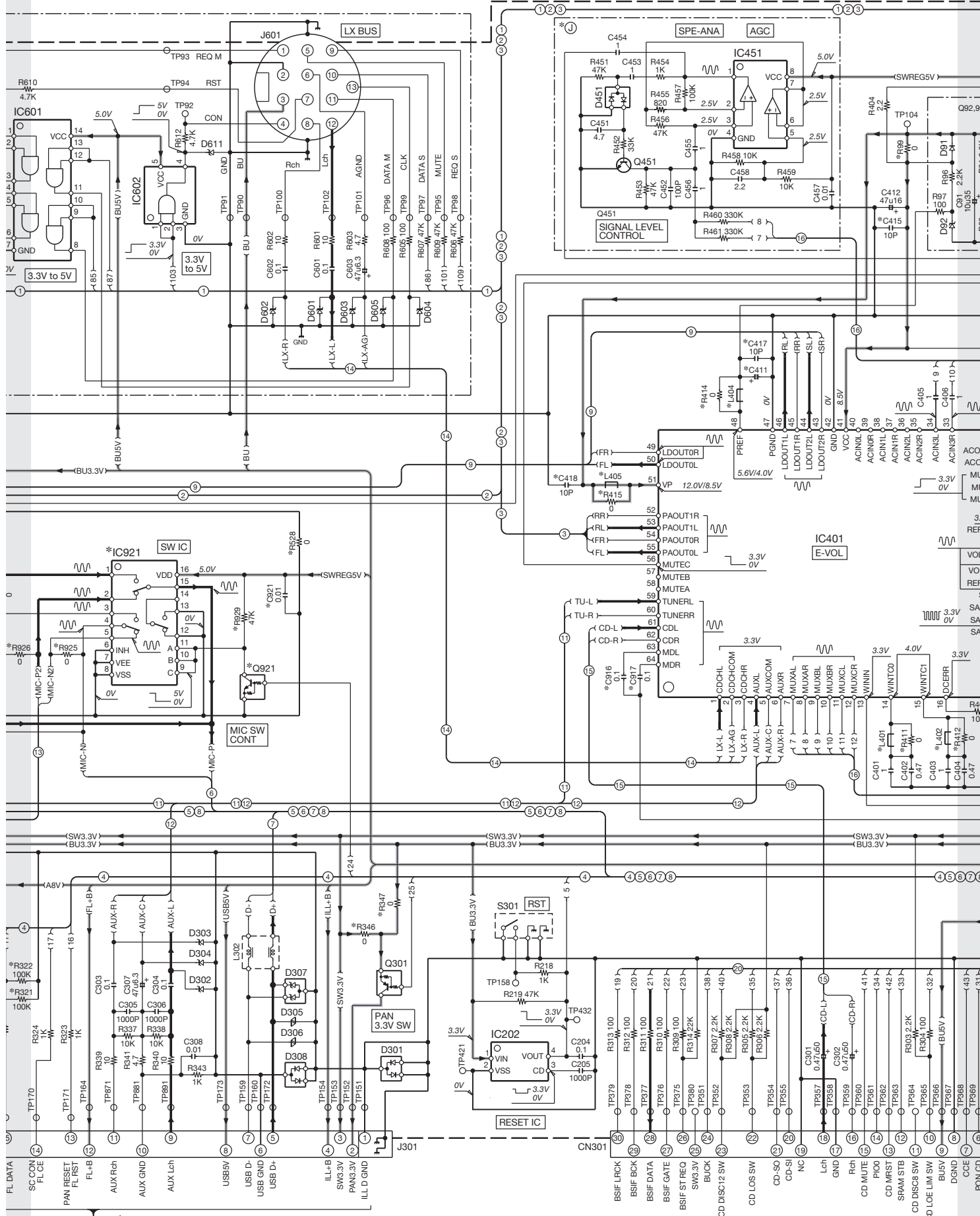


X32-6250-02

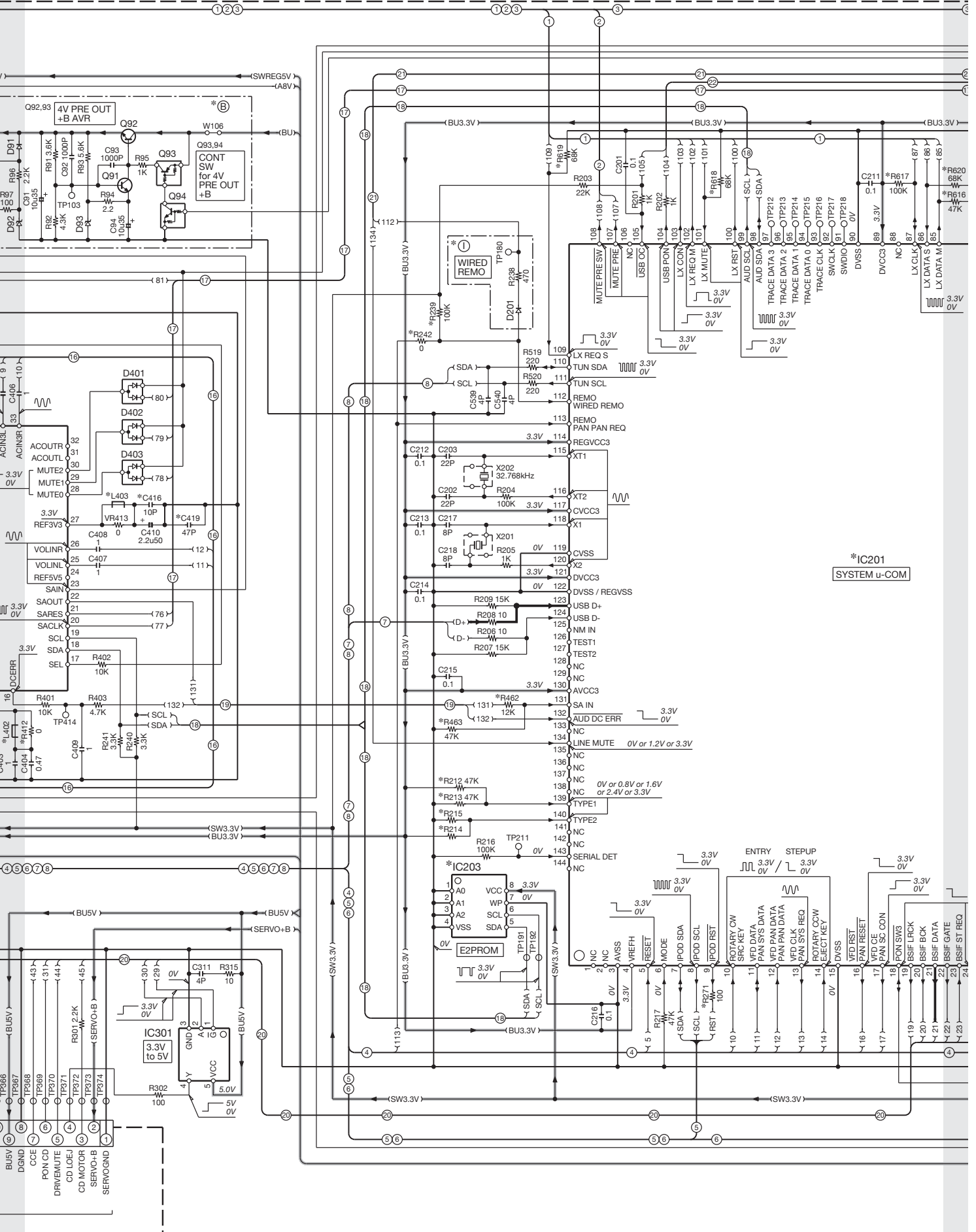
Ref. No.	Address
IC3	4AL
IC4	3AK
IC5	3AL

Refer to the schematic diagram for the values of resistors and capacitors.

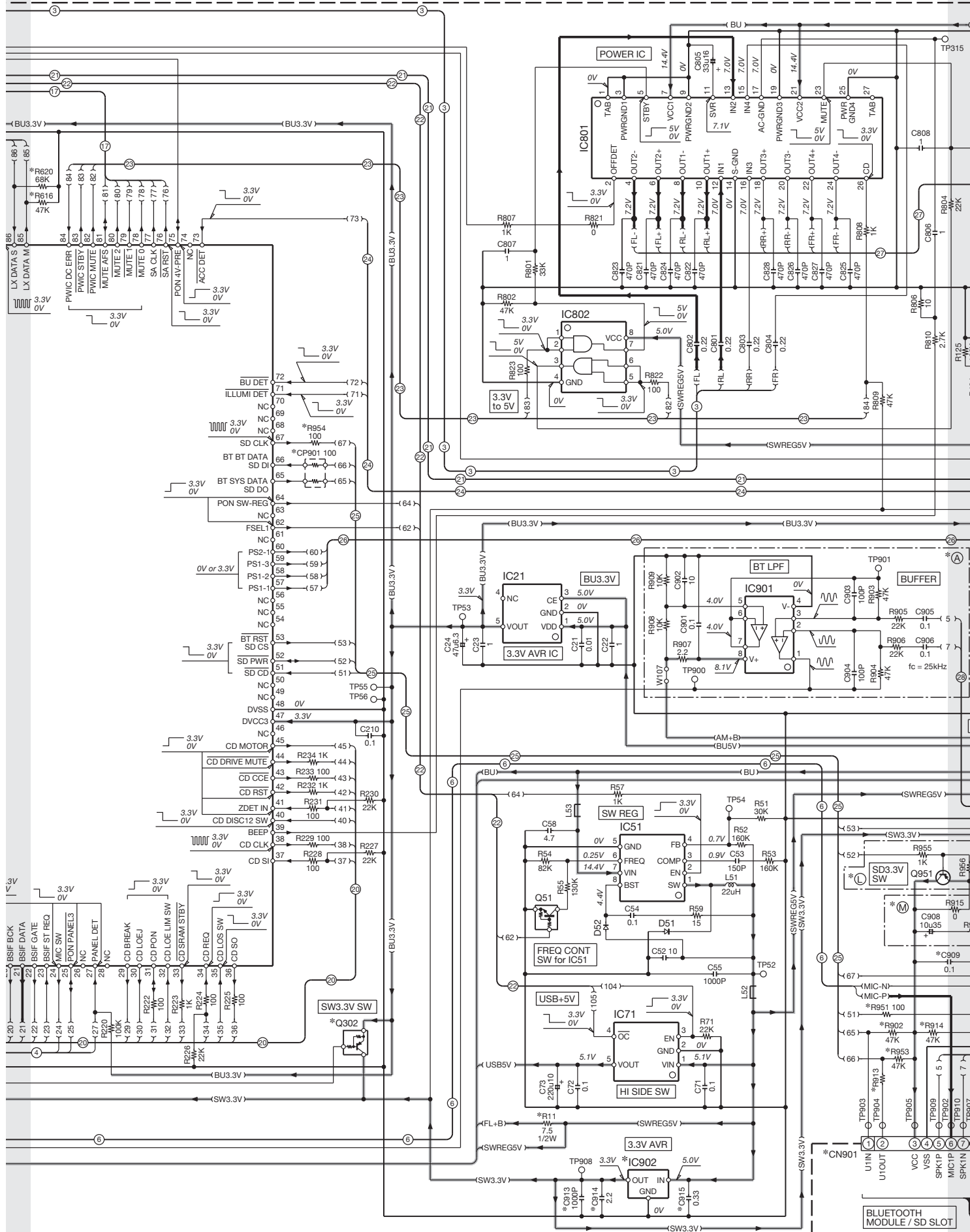




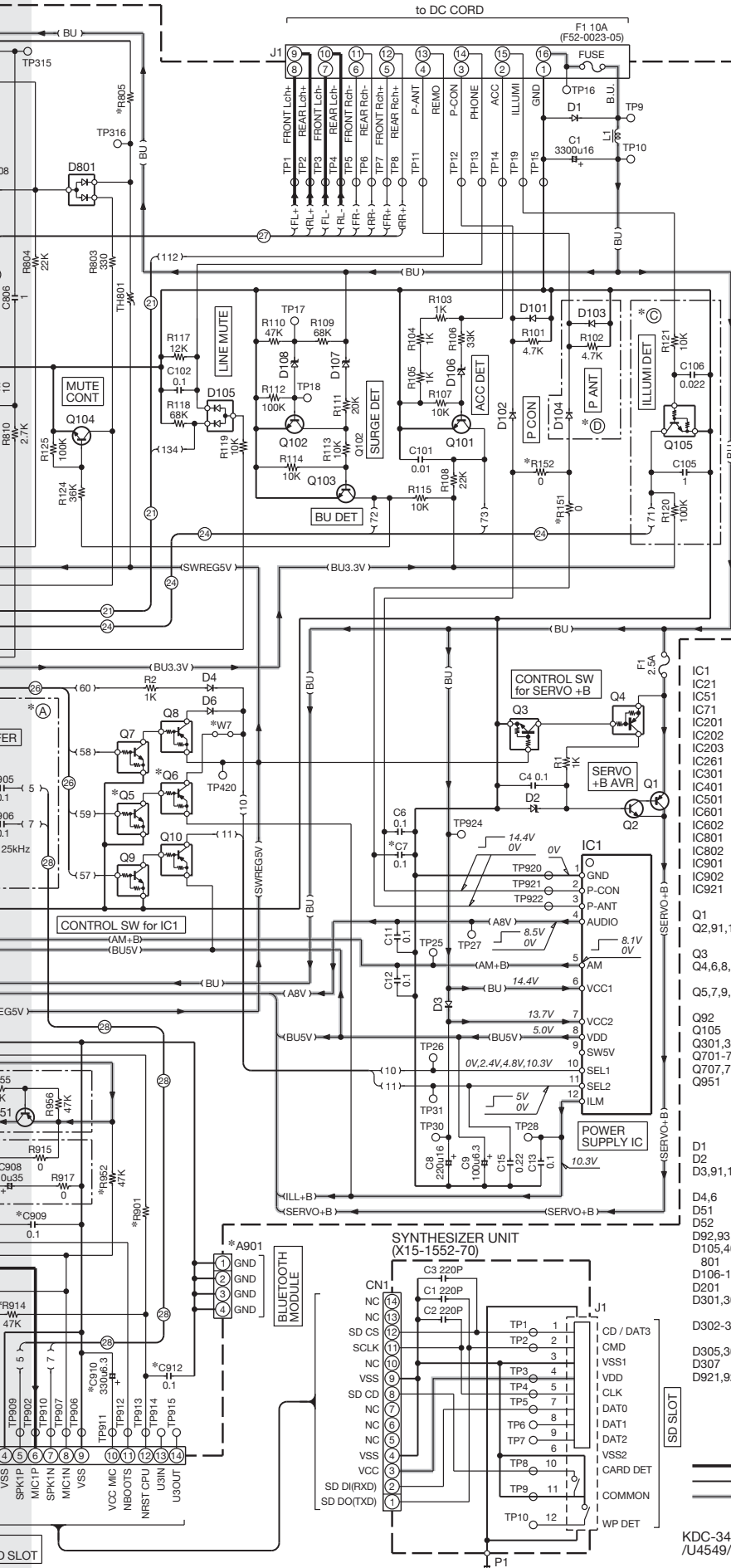
to CD PLAYER UNIT (X32-625x-xx)



KDC-348U/4751SD/BT41U/BT648U /U4549/U4549SD/U549BT/X395/X695



KDC-348U/4751SD/BT41U/BT648U
/U4549/U4549SD/U549BT/X395/X695



- IC1 : BD49131-V4
- IC21 : R1114N331B-TR
- IC51 : MP2562DS-X
- IC71 : BD2224G
- IC201 : *
- IC202 : XC6119N28AN-G
- IC203 : *
- IC26 : MFI341S2162
- IC301 : TC7SET125FU-F
- IC401 : E-TDA7415CB
- IC501 : *
- IC601 : TC74VHCT08AFT
- IC602 : TC7SET08FU-F
- IC801 : E-TDA7851A
- IC802 : 74HCT2G08DP
- IC901 : NJM2455V-ZB
- IC902 : NJM2845DL133B
- IC921 : TC4053BFT(N)
- Q1 : KTA1046-P
- Q2,91,101-104 : 2SC4081
- Q3 : RT1N241M-T111
- Q4,6,8,10,93 : RT1P241M-T111
- Q5,7,9,51,94,921 : RT1N436M-T111
- Q92 : 2SC5053
- Q105 : RT1N441M-T111
- Q301,302 : RT1P237M-T111
- Q701-706 : RT1N430M-T111
- Q707,708 : RT1P144M-T111
- Q951 : 2SB1689
- D1 : S2V60-5009F46
- D2 : HZS9-E(A1)
- D3,91,101-104 : 1SR154-400
- D4,6 : HSS4148
- D51 : CMS14
- D52 : 1SS355
- D92,93 : UDW5.6(B)
- D105,401-403,701,702,801 : MC2846-T111
- D106-108 : UDW6.8(B)
- D201 : R8521S-30
- D301,308,502 : MC2850-T111
- D302-304,601-605,611 : RKZ6.8K(B2)
- D305,306 : LV10C270S030
- D307 : HZM6.82MWA-E
- D921,922 : RKZ4.7K(B2)

MODEL NAME	DESTINATION	UNIT No.	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(K)	(L)	(M)	(N)	(P)	(Q)	(R)	(S)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)
U585	J	X34-6970-01	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
U585SD	K3	X34-6980-01	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KDC-348U	K2	X34-6970-10	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KDC-E148U	K	X34-6980-10	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KDC-E148BU	K	X34-6980-10	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KDC-X395	K2	X34-6980-12	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KDC-X395B	K2	X34-6980-11	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KDC-X395C	K1	X34-6980-11	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KDC-U4549	M3	X34-6980-23	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KDC-U4549SD	M2	X34-6980-22	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KDC-U549BT	M1	X34-6980-21	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KDC-U6048	M4	X34-6970-21	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KDC-U6048BT	M1	X34-6980-21	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KDC-U7049BT	M4	X34-6980-22	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KDC-U7049BTLL	E3	X34-6982-23	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KDC-4751SD	E2	X34-6972-71	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KDC-5051U	E3	X34-6982-71	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KDC-5751SD	E2	X34-6982-72	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KDC-BT31U	E	X34-6982-72	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KDC-BT41U	E1	X34-6982-71	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KDC-BT51U	E1	X34-6982-71	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
KDC-BT648U	FLEX	X34-6983-21	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

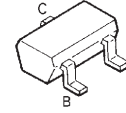
KDC-348U/4751SD/BT41U/BT648U
/U4549/U4549SD/U549BT/X395/X695 (1/2)

MODEL NAME	UNIT No.	Q5.6	Q302	Q921	R11	R99	R151	R152	R212	R213	R214	R215	R239	R242	R271	R293	R293	R321	R322	R327	R332	R346	R347	R518	R528	R605	R601	R602	R913	R914	R923	R923	R926	R929	W7	
KDC-BT151U	E	X34-6962-72	YES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
KDC-BT151U	E1	X34-6962-71	YES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-BT151U	E1	X34-6962-71	YES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SKDCBT15048U	FLEX	X34-6963-21	YES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

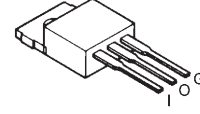
ELECTRIC UNIT (X34-69xx-xx)

MODEL NAME	UNIT No.	Q5.6	Q302	Q921	R11	R99	R151	R152	R212	R213	R214	R215	R239	R242	R271	R293	R293	R321	R322	R327	R332	R346	R347	R518	R528	R605	R601	R602	R913	R914	R923	R923	R926	R929	W7	
U585	J	X34-6970-01	YES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
U585SD	J1	X34-6960-01	YES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-348U	K3	X34-6960-13	YES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-448U	K2	X34-6970-10	YES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-BT448U	K	X34-6960-10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-BT48U	K	X34-6960-10	YES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-X395	K2	X34-6960-12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-X695	K3	X34-6970-11	YES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-X695	K1	X34-6960-11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-X695	K1	X34-6960-11	YES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-X695	K3	X34-6960-23	YES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-U4549	M3	X34-6960-22	YES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-U4549SD	M2	X34-6960-22	YES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-U549BT	M1	X34-6960-21	YES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-U6049	M3	X34-6970-21	YES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-U6049L	M4	X34-6970-22	YES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-U7049BT	M1	X34-6960-21	YES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-U7049BT L	M2	X34-6960-22	YES	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-4751SD	E3	X34-6962-73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-5051U	E3	X34-6972-71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-5751SD	E2	X34-6962-72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-BT151U	E	X34-6962-72	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-BT151U	E1	X34-6962-71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
KDC-BT151U	E1	X34-6962-71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
SKDCBT15048U	FLEX	X34-6963-21	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

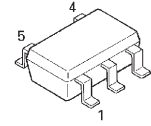
2SC4081



KTA1046-P

DAP202U
DA204U

TC7SET08FU-F



CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

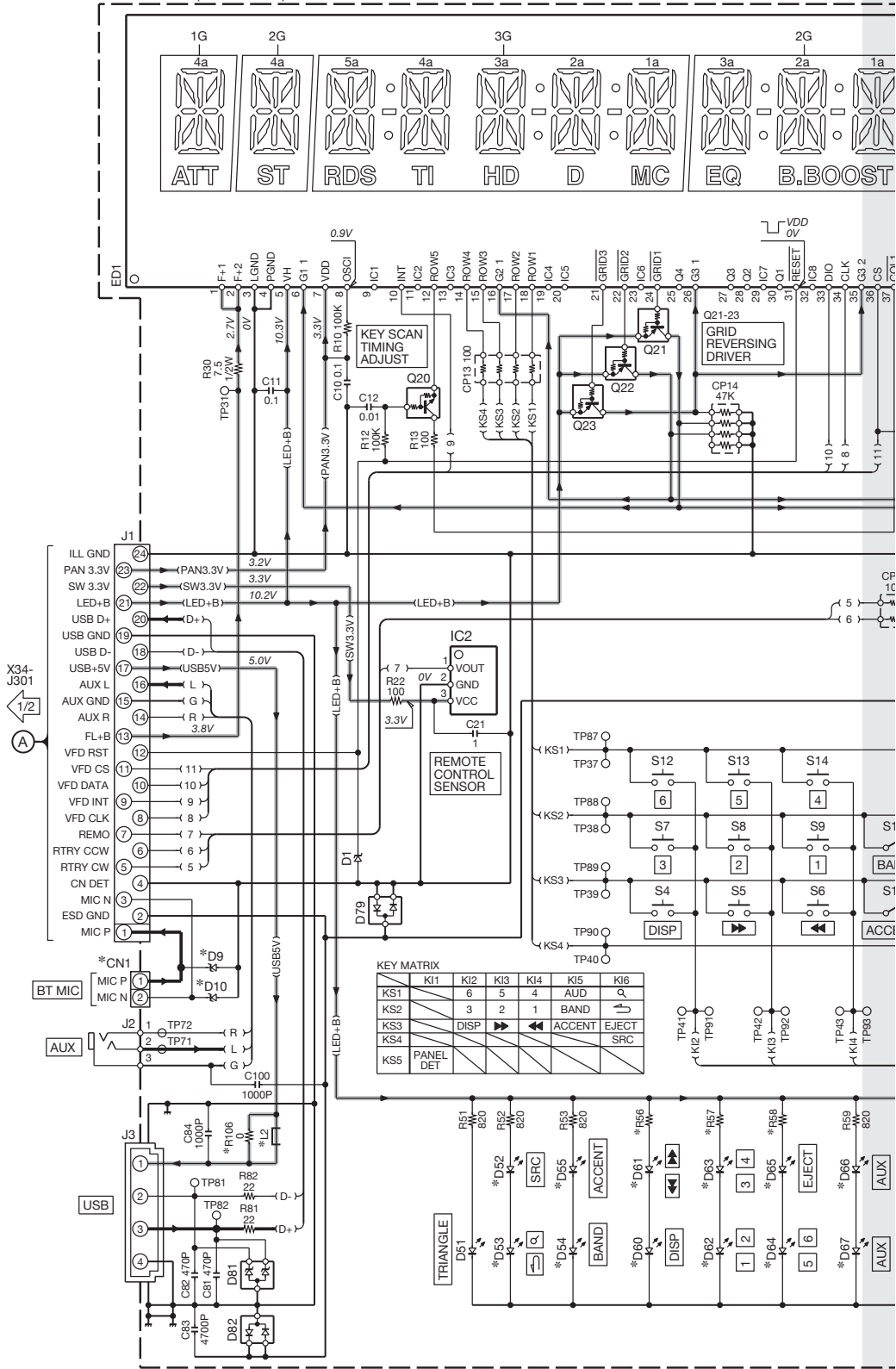
△Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

ANODE CONNECTION

PIN NAME	1G	2G	3G
P1	3a	3a	3a
P2	2a	2a	2a
P3	1a	1a	1a
P4	3h	3h	3h
P5	2h	2h	2h
P6	1h	1h	1h
P7	3j	3j	3j
P8	2j	2j	2j
P9	1j	1j	1j
P10	3k	3k	3k
P11	2k	2k	2k
P12	1k	1k	1k
P13	col3	col3	col3
P14	col1	col1	col1
P15	3b	3b	3b
P16	2b	2b	2b
P17	1b	1b	1b
P18	3f	3f	3f
P19	2f	2f	2f
P20	1f	1f	1f
P21	3m	3m	3m
P22	2m	2m	2m
P23	1m	1m	1m
P24	S2	S4	S6
P25	S1	S3	S5
P26	3g	3g	3g
P27	2g	2g	2g
P28	1g	1g	1g
P29	3c	3c	3c
P30	2c	2c	2c
P31	1c	1c	1c
P32	3e	3e	3e
P33	2e	2e	2e
P34	1e	1e	1e
P35	3r	3r	3r
P36	2r	2r	2r
P37	1r	1r	1r
P38	col4	col4	col4
P39	col2	col2	col2
P40	3p	3p	3p
P41	2p	2p	2p
P42	1p	1p	1p
P43	3n	3n	3n
P44	2n	2n	2n
P45	1n	1n	1n
P46	3d	3d	3d
P47	2d	2d	2d
P48	1d	1d	1d
P49	BT	-	RDS
P50	TAG	-	TI
P51	IN	EQ	HD
P52	ATT	B.BOOST	D
P53	ATT	ST	MC
P54	-	-	col5,6
P55	-	-	S7
P56	4d	4d	4d
P57	-	-	5d
P58	4n	4n	4n
P59	-	-	5n
P60	4p	4p	4p
P61	-	-	5p
P62	4r	4r	4r
P63	-	-	5r
P64	4e	4e	4e
P65	-	-	5e
P66	4c	4c	4c
P67	-	-	5c
P68	4g	4g	4g
P69	-	-	5g
P70	4m	4m	4m
P71	-	-	5m
P72	4f	4f	4f
P73	-	-	5f
P74	4b	4b	4b
P75	-	-	5b
P76	4k	4k	4k
P77	-	-	5k
P78	4j	4j	4j
P79	-	-	5j
P80	4h	4h	4h
P81	-	-	5h
P82	4a	4a	4a
P83	-	-	5a

SWITCH UNIT (X16-707x-xx)



SWITCH UNIT (X16-707x-xx)

MODEL NAME	DESTINATION	UNIT No.	D52-55,66-69	D60-64	CN1	D9,10	D65	L2	R56-58	R106
KDC-348U	K3	2-71	BLUE (B30-3210-05)	RED (B30-1779-05)	-	-	RED (B30-1779-05)	YES	620	-
KDC-BT648U	K	0-10	BLUE (B30-3210-05)	BLUE (B30-3210-05)	YES	YES	BLUE (B30-3210-05)	YES	510	-
KDC-X395	K2	0-11	BLUE (B30-3210-05)	BLUE (B30-3210-05)	-	-	BLUE (B30-3210-05)	YES	510	-
KDC-X695	K1	0-11	BLUE (B30-3210-05)	BLUE (B30-3210-05)	-	-	BLUE (B30-3210-05)	YES	510	-
KDC-U4549/SD	M3/M2	0-22	WHITE (B30-1788-05)	BLUE (B30-3210-05)	-	-	WHITE (B30-1788-05)	-	510	YES
KDC-U4549BT	M1	0-21	WHITE (B30-1788-05)	WHITE (B30-1788-05)	YES	YES	WHITE (B30-1788-05)	-	510	YES
KDC-4751SD	E3	2-71	BLUE (B30-3210-05)	RED (B30-1779-05)	-	-	RED (B30-1779-05)	YES	620	-
KDC-BT41U	E1	0-10	BLUE (B30-3210-05)	BLUE (B30-3210-05)	YES	YES	BLUE (B30-3210-05)	YES	510	-
SKDCBT6048U	FLEX	3-21	BLUE (B30-3210-05)	WHITE (B30-1788-05)	YES	YES	BLUE (B30-3210-05)	YES	510	-

IC2 : KSM-20C

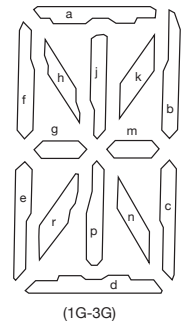
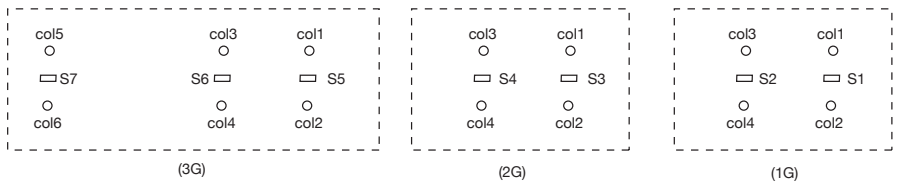
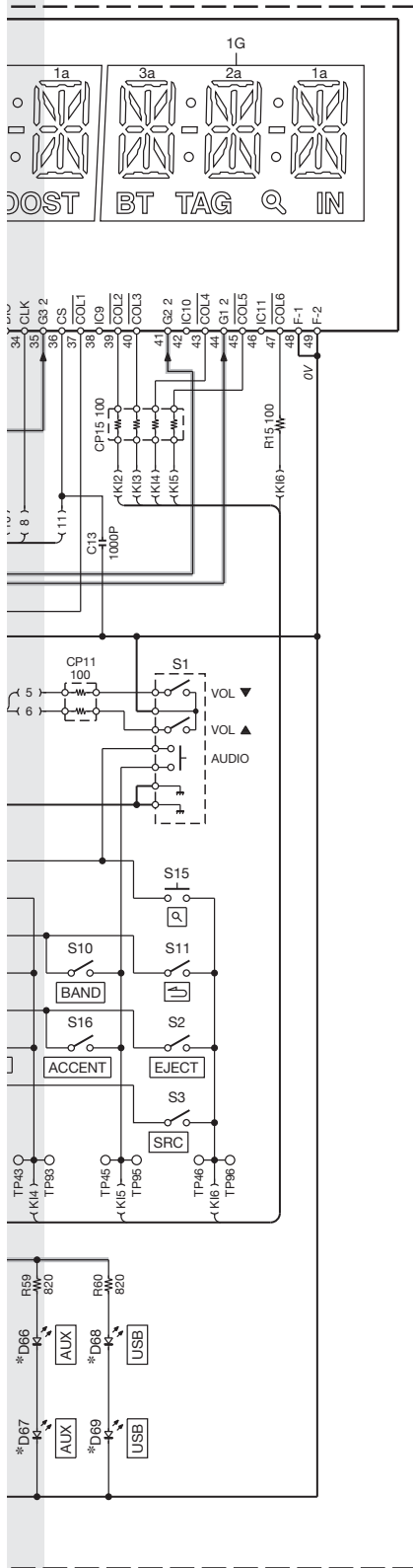
Q20 : RT1N436
 Q21-23 : RT1P141

D1,9,10 : RKZ4.7K
 D51 : B30-156I

D52-55,66-69 : *
 D60-64 : *
 D65 : *

D79,82 : DA204U
 D81 : HZM6.8Z

ED1 : QLF0202

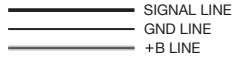


CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
 ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

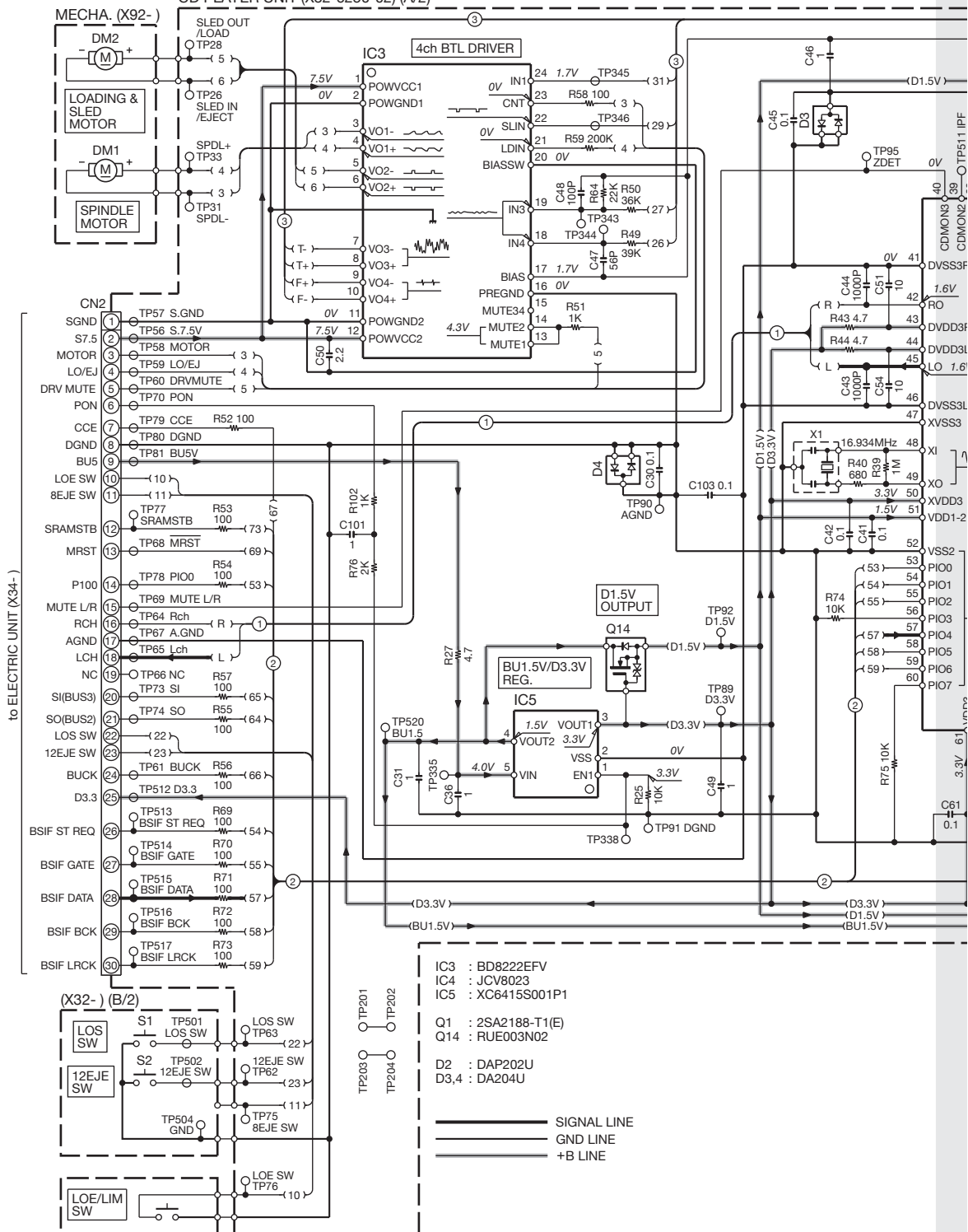
KDC-348U/4751SD/BT41U/BT648U
/U4549/U4549SD/U549BT/X395/X695 (2/2)

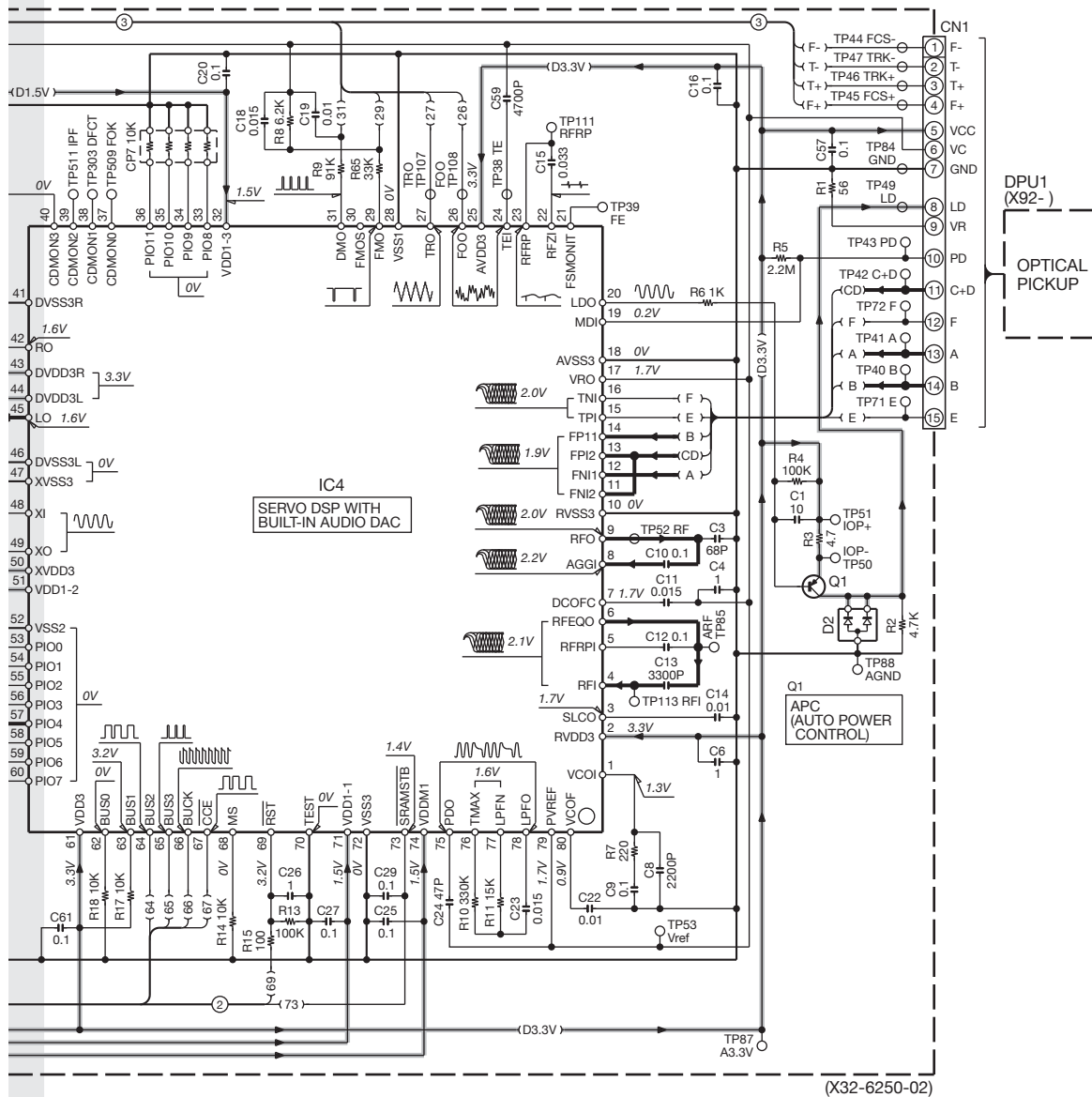
- : KSM-2003TN5B
- : RT1N436M-T111
- : RT1P141M-T111
- : RKZ4.7KG(B2)
- : B30-1566-05
- : DA204U
- : HZM6.8ZMWA-E
- : QLF0202-001



KDC-348U/4751SD/BT41U/BT648U
/U4549/U4549SD/U549BT/X395/X695

CD PLAYER UNIT (X32-6250-02) (A/2)





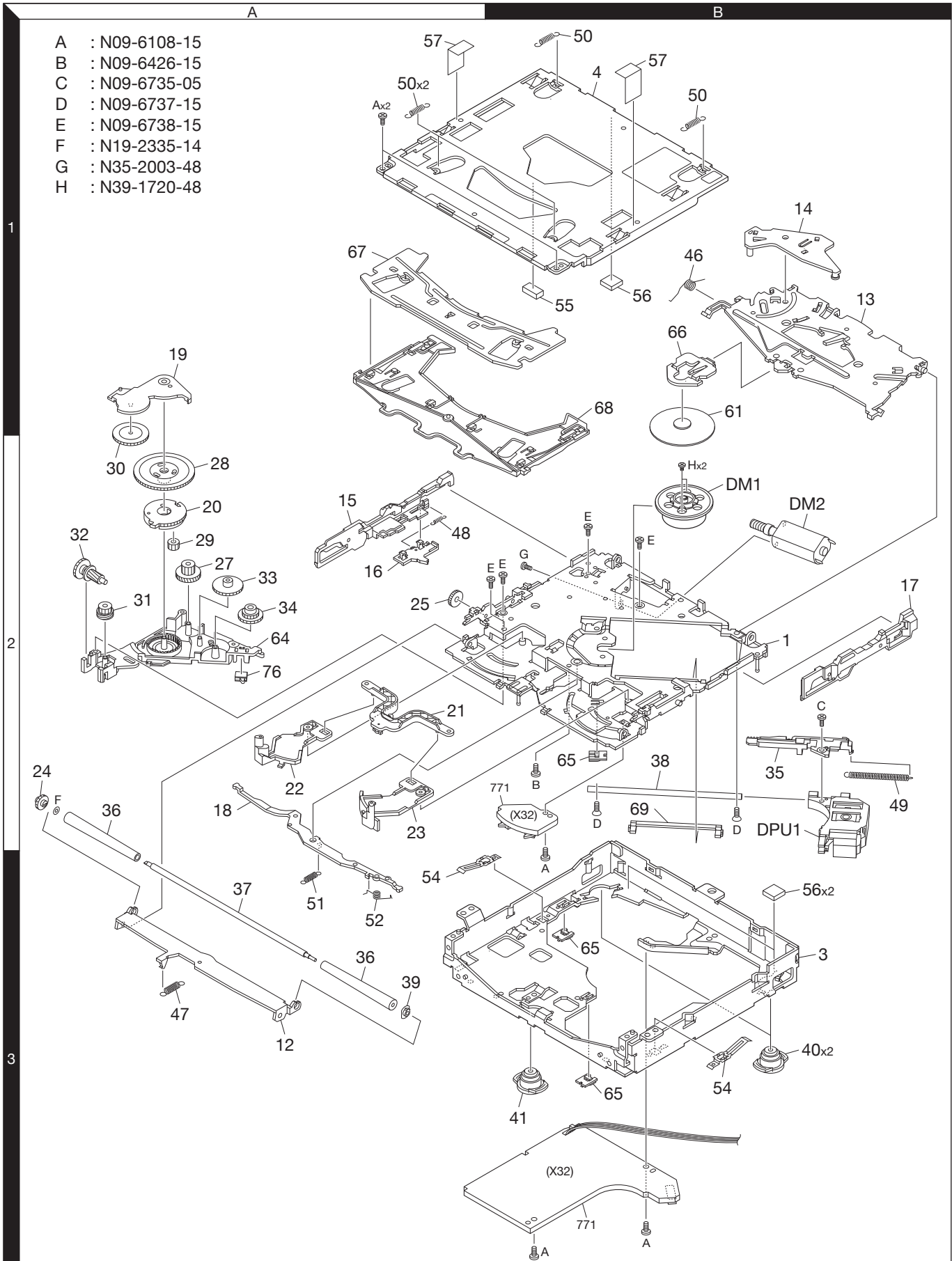
CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

△ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

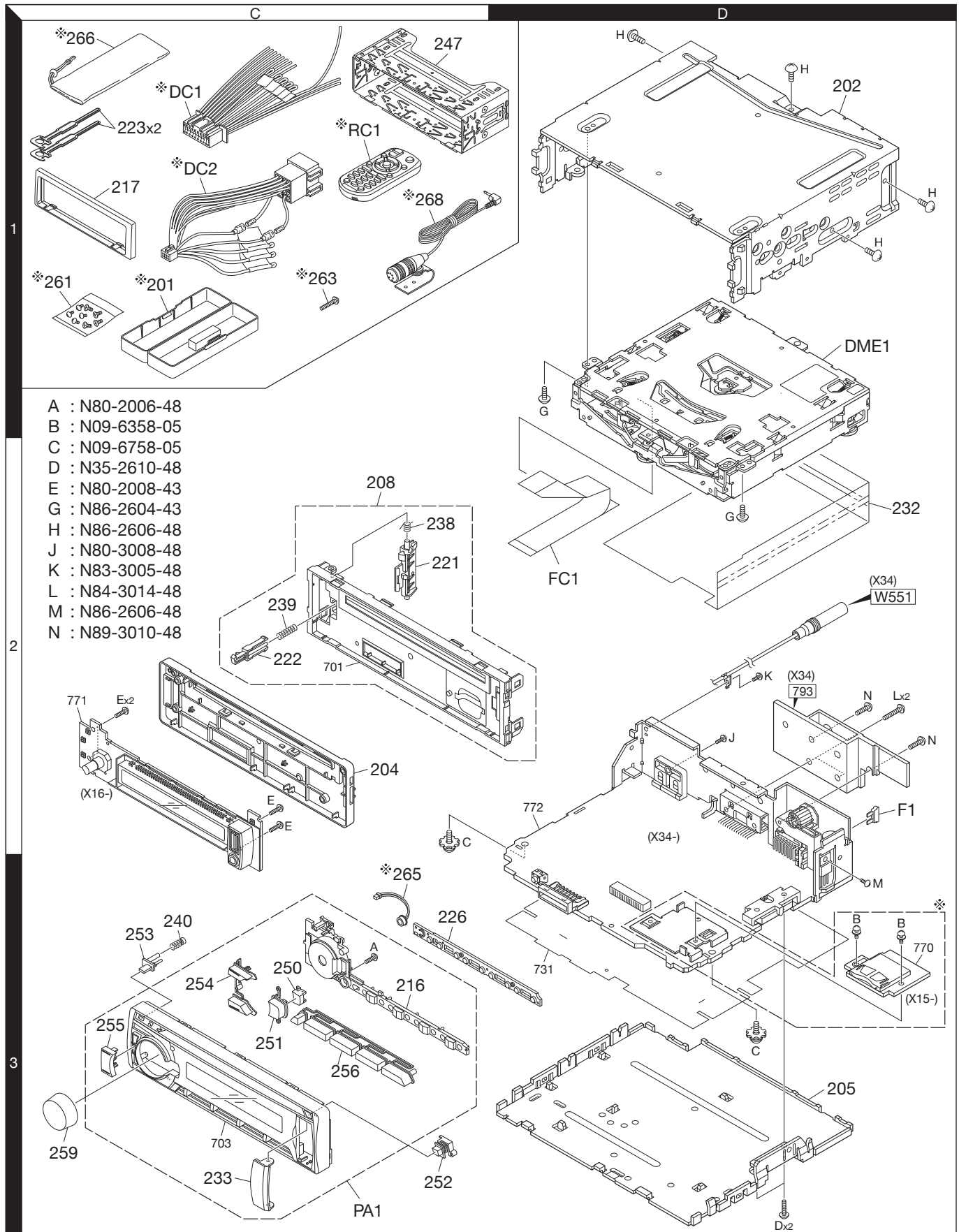
EXPLODED VIEW (CD MECHANISM)

- A : N09-6108-15
- B : N09-6426-15
- C : N09-6735-05
- D : N09-6737-15
- E : N09-6738-15
- F : N19-2335-14
- G : N35-2003-48
- H : N39-1720-48



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

EXPLODED VIEW (UNIT)



PARTS LIST

* New parts

Parts without **Parts No.** are not supplied.

Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.

Teile ohne **Parts No.** werden nicht geliefert.

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
KDC-348U/4751SD/BT41U/BT648U/U4549/U4549SD/U549BT/X395/X695					
201	1C		A02-2757-13	PLASTIC CABINET ASSY	M3M1M2
202	1D	*	A52-1156-01	TOP COVER	
204	2C	*	A46-1918-01	REAR COVER	
205	3D	*	A40-1410-01	BOTTOM PLATE	
208	2C	*	A22-3297-03	SUB PANEL ASSY	KK1E1
208	2C	*	A22-3297-03	SUB PANEL ASSY	K2K3M3
208	2C	*	A22-3297-03	SUB PANEL ASSY	M1
208	2C	*	A22-3298-13	SUB PANEL ASSY	E3M2
PA1	3C	*	A64-5235-12	PANEL ASSY	K2
PA1	3C	*	A64-5236-02	PANEL ASSY	K3
PA1	3C	*	A64-5237-12	PANEL ASSY	M3
PA1	3C	*	A64-5240-02	PANEL ASSY	K
PA1	3C	*	A64-5241-12	PANEL ASSY	K1
PA1	3C	*	A64-5242-12	PANEL ASSY	E1
PA1	3C	*	A64-5244-12	PANEL ASSY	M1
PA1	3C	*	A64-5245-02	PANEL ASSY	E3
PA1	3C	*	A64-5246-12	PANEL ASSY	M2
RC1	1C		A70-2104-05	REMOTE CONTROLLER ASSY (RC-405)	KK1M1
RC1	1C		A70-2104-05	REMOTE CONTROLLER ASSY (RC-405)	K2K3M3
RC1	1C		A70-2104-05	REMOTE CONTROLLER ASSY (RC-405)	M2
-		*	B64-4798-10	INST. MANUAL (ENG.FRE.SPA.)	K1
-		*	B64-4798-10	INST. MANUAL (ENG.FRE.SPA.)	K2K3K
-		*	B64-4799-10	INST. MANUAL (ENGLISH)	E1E3
-		*	B64-4800-10	INST. MANUAL (FRE.GER.DUT.)	E1E3
-		*	B64-4801-10	INST. MANUAL (ITA.SPA.POR.)	E1E3
-		*	B64-4802-10	INST. MANUAL (RUS.URK.)	E1E3
-		*	B64-4803-10	INST. MANUAL (ENG.ARA.)	M3M1M2
-		*	B64-4804-10	INST. MANUAL (S-CHINESE)	M1
216	3C		GE10289-001A	LIGHT GUIDE	
217	1C	*	B07-3361-02	TRIM PLATE	K2K1E1
217	1C	*	B07-3361-02	TRIM PLATE	M1
217	1C		GE20274-001A	TRIM PLATE	E3M2
217	1C		GE20274-001A	TRIM PLATE	K3M3K
221	2C		GE34045-001A	LOCK LEVER	
222	2C		GE34046-001A	RELEASE LEVER	
223	1C	*	D10-7139-04	LEVER	
226	3C		GE34058-001A	CONDUCTIVE RUBBER	
△ DC1	1C		E30-6933-05	DC CORD	KK1M1
△ DC1	1C		E30-6933-05	DC CORD	K2K3M3
△ DC1	1C		E30-6933-05	DC CORD	M2
△ DC2	1C		E30-6934-05	DC CORD	E1E3
FC1	2D		E39-1077-05	FLAT CABLE	
232	2D		F11-1874-03	SHIELDING COVER	KK1E1
232	2D		F11-1874-03	SHIELDING COVER	K2K3M3
232	2D		F11-1874-03	SHIELDING COVER	M1
232	2D	*	F11-1884-13	SHIELDING COVER	E3M2
233	3C		GE34055-001A	USB DOOR COVER	
△ F1	2D		F52-0023-05	FUSE (MINI BLADE TYPE) (10A)	
238	2C		GE40504-001A	SPRING (TORSION)	
239	2C		GE40505-001A	SPRING (COMPRESSION)	
240	3C		GE40505-002A	SPRING (DETACH)	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
-		*	H54-5024-03	ITEM CARTON CASE	K2
-		*	H54-5025-03	ITEM CARTON CASE	K3
-		*	H54-5026-03	ITEM CARTON CASE	M3
-		*	H54-5027-03	ITEM CARTON CASE	K
-		*	H54-5028-03	ITEM CARTON CASE	K1
-		*	H54-5029-03	ITEM CARTON CASE	E1
-		*	H54-5031-03	ITEM CARTON CASE	M1
-		*	H54-5032-03	ITEM CARTON CASE	E3
-		*	H54-5033-03	ITEM CARTON CASE	M2
247	1C	*	J22-2049-03	MOUNTING HARDWARE ASSY	
250	3C		GE34053-001A	ACCENT BUTTON BASE	
251	3C		GE34052-001A	ACCENT BUTTON TOP (iPod)	K2K3M3
251	3C	*	K28-0453-03	ACCENT BUTTON TOP (TEL)	KK1E1
251	3C	*	K28-0453-03	ACCENT BUTTON TOP (TEL)	M1
251	3C	*	K28-0454-03	ACCENT BUTTON TOP (SD)	E3M2
252	3C		GE34059-001A	EJECT BUTTON	
253	3C		GE34060-001A	DETACH BUTTON	
254	3C		GE34061-001A	SRC BUTTON	
255	3C		GE34063-001A	SEARCH BUTTON	
256	3C		GE34064-001A	PRESET BUTTON	
259	3C		GE40511-001A	VOL KNOB RUBBER	K1E1M1
259	3C		GE40511-001A	VOL KNOB RUBBER	K2K3K
259	3C		GE40511-001A	VOL KNOB RUBBER	M2
259	3C		GE40511-002A	VOL KNOB RUBBER	M3E3
261	1C		N99-1757-15	SCREW SET	KK1M1
261	1C		N99-1757-15	SCREW SET	K2K3M3
261	1C		N99-1757-15	SCREW SET	M2
263	1C		N80-2008-48	TAP SCREW (ACCESSORY)	KK1M1
263	1C		N80-2008-48	TAP SCREW (ACCESSORY)	K2K3M3
263	1C		N80-2008-48	TAP SCREW (ACCESSORY)	M2
A	3C		N80-2006-48	TAP SCREW	
B	3D		N09-6358-05	TAPTITE SCREW	E3M2
C	2C		N09-6758-05	TAPTITE SCREW	
D	3D		N35-2610-48	BINDING HEAD MACHINE SCREW	
E	2C		N80-2008-43	PAN HEAD TAPTITE SCREW	
G	1D		N86-2604-43	BINDING HEAD TAPTITE SCREW	
H	1D		N86-2606-48	BINDING HEAD TAPTITE SCREW	
265	3C		T91-1007-05	MICROPHONE ASSY	KE1M1
266	1C		W01-1664-05	CARRYING CASE	K2K1
266	1C		W01-1710-05	CARRYING CASE	E3
266	1C		W01-1710-05	CARRYING CASE	K3KE1
268	1C		W01-1768-15	MICROPHONE (3m)	K1
DME1	1D	*	X92-6370-04	MECHANISM ASSY (DXM-9B24W)	
SYNTHESIZER UNIT (X15-1552-70)					
C1 -3			CC73HCH1H221J	CHIP C 220PF J	E3M2
CN1		*	E41-3250-05	PIN ASSY	E3M2
J1			E68-0826-05	JACK	E3M2
SWITCH UNIT (X16-707x-xx)					
D51			B30-1566-05	LED (1608,RED)	
D52 -55			B30-1788-05	LED (1608,WHITE)	M3M1M2
D52 -55			B30-3210-05	LED (1608,BLUE)	K1E1E3

K: KDC-BT648U K1: KDC-X695 K2: KDC-X395 K3: KDC-348U
M1: KDC-U549BT M2: KDC-U4549SD M3: KDC-U4549
E1: KDC-BT41U E3: KDC-4751SD

△ Indicates safety critical components.

PARTS LIST

SWITCH UNIT (X16-707x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination
D52 -55			B30-3210-05	LED (1608,BLUE)	K2K3K
D60 -64			B30-3210-05	LED (1608,BLUE)	M3M2
D60 -65			B30-1779-05	LED (1608,SR)	K3E3
D60 -69			B30-1788-05	LED (1608,WHITE)	M1
D60 -69			B30-3210-05	LED (1608,BLUE)	E1
D60 -69			B30-3210-05	LED (1608,BLUE)	K2KK1
D65 -69			B30-1788-05	LED (1608,WHITE)	M3M2
D66 -69			B30-3210-05	LED (1608,BLUE)	K3E3
C10			CK73HB1A104K	CHIP C 0.10UF K	
C11			CK73GB1C104K	CHIP C 0.10UF K	
C12			CK73HB1A104K	CHIP C 0.10UF K	
C13			CK73GB1H102K	CHIP C 1000PF K	
C21			CK73HB0J105K	CHIP C 1.0UF K	
C81 ,82			CC73GCH1H471J	CHIP C 470PF J	
C83			CK73GB1H472K	CHIP C 4700PF K	
C84			CK73GB1H102K	CHIP C 1000PF K	
C100			CK73GB1H102K	CHIP C 1000PF K	
CN1			E41-1486-05	PIN ASSY	KE1M1
J1	*		E59-0864-05	RECTANGULAR PLUG	
J2			QNS0308-001	DIA 3.5 TYPE JACK	
J3			QNZ1057-001	USB CONNECTOR	
L2			L92-0639-05	CHIP FERRITE	K1E1E3
L2			L92-0639-05	CHIP FERRITE	K2K3K
CP11			RK74GA1J101J	CHIP-COM 100 J 1/16W	
CP13			RK74HB1J101J	CHIP-COM 100 J 1/16W	
CP14			RK74HB1J473J	CHIP-COM 47K J 1/16W	
CP15			RK74HB1J101J	CHIP-COM 100 J 1/16W	
R10			RK73HB1J104J	CHIP R 100K J 1/16W	
R12			RK73HB1J223J	CHIP R 22K J 1/16W	
R13			RK73HB1J101J	CHIP R 100 J 1/16W	
R15			RK73HB1J101J	CHIP R 100 J 1/16W	
R22			RK73HB1J101J	CHIP R 100 J 1/16W	
R30			RK73PB2H7R5J	CHIP R 7.5 J 1/2W	
R51			RK73EB2E821J	CHIP R 820 J 1/4W	
R52 ,53			RK73GB2A821J	CHIP R 820 J 1/10W	
R56 -58			RK73FB2B511J	CHIP R 510 J 1/8W	K1E1M1
R56 -58			RK73FB2B511J	CHIP R 510 J 1/8W	K2M3K
R56 -58			RK73FB2B511J	CHIP R 510 J 1/8W	M2
R56 -58			RK73FB2B621J	CHIP R 620 J 1/8W	K3E3
R59 ,60			RK73FB2B821J	CHIP R 820 J 1/8W	
R81 ,82			RK73GB2A220J	CHIP R 22 J 1/10W	
R106			RK73GB2A000J	CHIP R 0.0 J 1/10W	M3M1M2
S2 ,3			NSW0326-001X	TACT SWITCH	
S10 ,11			NSW0326-001X	TACT SWITCH	
S15 ,16			NSW0326-001X	TACT SWITCH	
S1			T99-0484-05	ROTARY ENCODER	
D1			RKZ4.7KG(B2)	ZENER DIODE	KE1M1
D9 ,10			RKZ4.7KG(B2)	ZENER DIODE	
D79			DA204U	DIODE	
D81			HZM6.8ZMWA-E	ZENER DIODE	
D82			DA204U	DIODE	
ED1			QLF0202-001	FLUORESCENT INDICATOR TUBE	

Ref. No.	Add	New	Parts No.	Description	Destination
IC2			KSM-2003TN5B	IR DETECT FOR REMOTO CONTROL	
Q20			RT1N436M-T111	TRANSISTOR	
Q21 -23			RT1P141M-T111	TRANSISTOR	
CD PLAYER UNIT (X32-6250-02) IN CD MECHA					
C1			CK73FB0J106K	CHIP C 10UF K	
C3			CC73GCH1H680J	CHIP C 68PF J	
C4			CK73GB1A105K	CHIP C 1.0UF K	
C6			CK73FB1C105K	CHIP C 1.0UF K	
C8			CK73GB1H222K	CHIP C 2200PF K	
C9 ,10			CK73GB1C104K	CHIP C 0.10UF K	
C11			CK73GB1H153K	CHIP C 0.015UF K	
C12			CK73GB1C104K	CHIP C 0.10UF K	
C13			CK73GB1H332K	CHIP C 3300PF K	
C14			CK73GB1H103K	CHIP C 0.010UF K	
C15			CK73GB1C333K	CHIP C 0.033UF K	
C16			CK73GB1C104K	CHIP C 0.10UF K	
C18			CK73GB1H153K	CHIP C 0.015UF K	
C19			CK73GB1H103K	CHIP C 0.010UF K	
C20			CK73GB1C104K	CHIP C 0.10UF K	
C22			CK73GB1H103K	CHIP C 0.010UF K	
C23			CK73GB1H153K	CHIP C 0.015UF K	
C24			CC73GCH1H470J	CHIP C 47PF J	
C25			CK73GB1C104K	CHIP C 0.10UF K	
C26			CK73GB1A105K	CHIP C 1.0UF K	
C27			CK73GB1C104K	CHIP C 0.10UF K	
C29 ,30			CK73GB1C104K	CHIP C 0.10UF K	
C31			CK73GB1A105K	CHIP C 1.0UF K	
C36			CK73GB1A105K	CHIP C 1.0UF K	
C41 ,42			CK73GB1C104K	CHIP C 0.10UF K	
C43 ,44			CK73GB1H102K	CHIP C 1000PF K	
C45			CK73GB1H103K	CHIP C 0.010UF K	
C46			CK73GB1A105K	CHIP C 1.0UF K	
C47			CC73GCH1H560J	CHIP C 56PF J	
C48			CC73GCH1H101J	CHIP C 100PF J	
C49			CK73GB1A105K	CHIP C 1.0UF K	
C50			CK73FB1A225K	CHIP C 2.2UF K	
C51			CK73FB0J106K	CHIP C 10UF K	
C54			CK73FB0J106K	CHIP C 10UF K	
C57			CK73GB1C104K	CHIP C 0.10UF K	
C59			CK73GB1H472K	CHIP C 4700PF K	
C61			CK73GB1C104K	CHIP C 0.10UF K	
C101			CK73GB1A105K	CHIP C 1.0UF K	
C103			CK73GB1C104K	CHIP C 0.10UF K	
CN1			E41-2954-05	FLAT CABLE CONNECTOR	
CN2			E41-2630-05	FLAT CABLE CONNECTOR	
X1			L78-1221-05	RESONATOR (16.93MHZ)	
CP7			RK74GB1J103J	CHIP-COM 10K J 1/16W	
R1			RK73GB2A560J	CHIP R 56 J 1/10W	
R2			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R3			RK73GB2A4R7J	CHIP R 4.7 J 1/10W	
R4			RK73GB2A104J	CHIP R 100K J 1/10W	
R5			RK73GB2A225J	CHIP R 2.2M J 1/10W	
R6			RK73GB2A102J	CHIP R 1.0K J 1/10W	

K: KDC-BT648U K1: KDC-X695 K2: KDC-X395 K3: KDC-348U
M1: KDC-U549BT M2: KDC-U4549SD M3: KDC-U4549
E1: KDC-BT41U E3: KDC-4751SD

△ Indicates safety critical components.

PARTS LIST

CD PLAYER UNIT (X32-6250-02) IN CD MECHA

Ref. No.	Ad	New	Parts No.	Description	Desti- nation	Ref. No.	Ad	New	Parts No.	Description	Desti- nation
R7			RK73GB2A221J	CHIP R 220 J 1/10W		C91			CD04AV1V100M	ELECTRO 10UF 35WV	K2K1
R8			RK73GB2A622J	CHIP R 6.2K J 1/10W		C92 ,93			CK73GB1H102K	CHIP C 1000PF K	K2K1
R9			RK73GB2A913J	CHIP R 91K J 1/10W		C94			CD04AV1V100M	ELECTRO 10UF 35WV	K2K1
R10			RK73GB2A334J	CHIP R 330K J 1/10W		C101			CK73HB1E103K	CHIP C 0.010UF K	
R11			RK73GB2A153J	CHIP R 15K J 1/10W		C102			CK73GB1H104K	CHIP C 0.10UF K	
R13			RK73GB2A104J	CHIP R 100K J 1/10W		C201			CK73GB1C104K	CHIP C 0.10UF K	
R14			RK73GB2A103J	CHIP R 10K J 1/10W		C202,203			CC73HCH1H220J	CHIP C 22PF J	
R15			RK73GB2A101J	CHIP R 100 J 1/10W		C204			CK73GB1C104K	CHIP C 0.10UF K	
R17 ,18			RK73GB2A103J	CHIP R 10K J 1/10W		C205			CK73GB1H102K	CHIP C 1000PF K	
R25			RK73GB2A103J	CHIP R 10K J 1/10W		C210-212			CK73HB1A104K	CHIP C 0.10UF K	
R27			RK73EB2E4R7J	CHIP R 4.7 J 1/4W		C213			CK73GB1C104K	CHIP C 0.10UF K	
R39			RK73GB2A105J	CHIP R 1.0M J 1/10W		C214-216			CK73HB1A104K	CHIP C 0.10UF K	
R40			RK73GB2A681J	CHIP R 680 J 1/10W		C217,218			CC73HCH1H080D	CHIP C 8.0PF D	
R43 ,44			RK73GB2A4R7J	CHIP R 4.7 J 1/10W		C261			CK73HB1A104K	CHIP C 0.10UF K	
R49			RK73GB2A393J	CHIP R 39K J 1/10W		C301,302			CD04AV1HR47M	ELECTRO 0.47UF 50WV	
R50			RK73GB2A363J	CHIP R 36K J 1/10W		C303,304			CK73GB1C104K	CHIP C 0.10UF K	
R51			RK73GB2A102J	CHIP R 1.0K J 1/10W		C305,306			CK73GB1H102K	CHIP C 1000PF K	
R52 -58			RK73GB2A101J	CHIP R 100 J 1/10W		C307			CD04AV0J470M	ELECTRO 47UF 6.3WV	
R59			RK73GB2A204J	CHIP R 200K J 1/10W		C308			CK73GB1H103K	CHIP C 0.010UF K	
R64			RK73GB2A223J	CHIP R 22K J 1/10W		C311			CC73GCH1H040C	CHIP C 4.0PF C	
R65			RK73GB2A333J	CHIP R 33K J 1/10W		C401			CK73GB1A105K	CHIP C 1.0UF K	
R69 -73			RK73GB2A101J	CHIP R 100 J 1/10W		C402			CK73GB1A474K	CHIP C 0.47UF K	
R74 ,75			RK73GB2A103J	CHIP R 10K J 1/10W		C403			CK73GB1A105K	CHIP C 1.0UF K	
R76			RK73GB2A202J	CHIP R 2.0K J 1/10W		C404			CK73GB1A474K	CHIP C 0.47UF K	
R102			RK73GB2A102J	CHIP R 1.0K J 1/10W		C405-409			CK73GB1A105K	CHIP C 1.0UF K	
S1 ,2			S68-0924-05	PUSH SWITCH		C410		*	CD04AV1H2R2M	ELECTRO 2.2UF 50WV	
D2			DAP202U	DIODE		C411			CD04AV1V100M	ELECTRO 10UF 35WV	E1E3M1
D3 ,4			DA204U	DIODE		C411			CD04AV1V100M	ELECTRO 10UF 35WV	K3M3K
IC3			BD8222EFV	ANALOGUE IC		C411			CD04AV1V100M	ELECTRO 10UF 35WV	M2
IC4			JCV8023	MOS-IC		C411,412			CD04AV1C470M	ELECTRO 47UF 16WV	K2K1
IC5			XC6415S001P1	MOS-IC		C412			CD04AV1C470M	ELECTRO 47UF 16WV	E1E3M1
Q1			2SA2188-T1(E)	TRANSISTOR		C412			CD04AV1C470M	ELECTRO 47UF 16WV	K3M3K
Q14			RUE003N02	FET		C412			CD04AV1C470M	ELECTRO 47UF 16WV	M2
ELECTRIC UNIT (X34-696x-xx)											
C1			C90-6906-05	ELECTRO 3300UF 16WV		C501			CK73GB1H102K	CHIP C 1000PF K	
C4			CK73GB1C104K	CHIP C 0.10UF K		C502			CK73GB1A105K	CHIP C 1.0UF K	
C6			CK73GB1H104K	CHIP C 0.10UF K	K1E1E3	C505			CK73GB1C224K	CHIP C 0.22UF K	
C6			CK73GB1H104K	CHIP C 0.10UF K	K2K3K	C506			CK73GB1C104K	CHIP C 0.10UF K	
C6 ,7			CK73GB1H104K	CHIP C 0.10UF K	M3M1M2	C507			CC73GCH1H090D	CHIP C 9.0PF D	
C8			CD04BN1C221M	ELECTRO 220UF 16WV		C509-511			CK73GB1A105K	CHIP C 1.0UF K	
C9			CD04AV0J101M	ELECTRO 100UF 6.3WV		C512-514			CK73GB1H103K	CHIP C 0.010UF K	
C11 -13			CK73GB1C104K	CHIP C 0.10UF K		C515			CK73GB1C104K	CHIP C 0.10UF K	
C15			CK73GB1C224K	CHIP C 0.22UF K		C516			CK73GB1H103K	CHIP C 0.010UF K	
C21			CK73GB1H103K	CHIP C 0.010UF K		C517			CK73GB1C104K	CHIP C 0.10UF K	
C22 ,23			CK73GB1A105K	CHIP C 1.0UF K		C518			CK73GB1H102K	CHIP C 1000PF K	
C24			CD04AV0J470M	ELECTRO 47UF 6.3WV		C519			CD04AV1C470M	ELECTRO 47UF 16WV	
C52			CK73FB0J106K	CHIP C 10UF K		C520			CK73GB1C104K	CHIP C 0.10UF K	
C53			CC73HCH1H151J	CHIP C 150PF J		C523			CK73GB1H102K	CHIP C 1000PF K	
C54			CK73GB1C104K	CHIP C 0.10UF K		C524			CK73GB1C224K	CHIP C 0.22UF K	
C55			CK73GB1H102K	CHIP C 1000PF K		C525			CC73GCH1H270J	CHIP C 27PF J	
C58			CK73EB1H475K	CHIP C 4.7UF K		C527			CC73GCH1H150J	CHIP C 15PF J	
C71			CK73HB1A104K	CHIP C 0.10UF K		C528			CC73GCH1H471J	CHIP C 470PF J	
C72			CK73GB1C104K	CHIP C 0.10UF K		C530			CK73GB1H102K	CHIP C 1000PF K	
C73		*	C90-6990-05	ELECTRO 220UF 10WV		C531			CC73GCH1H070D	CHIP C 7.0PF D	

K: KDC-BT648U K1: KDC-X695 K2: KDC-X395 K3: KDC-348U
M1: KDC-U549BT M2: KDC-U4549SD M3: KDC-U4549
E1: KDC-BT41U E3: KDC-4751SD

△Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-696x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
C532			CC73GCH1H060D	CHIP C 6.0PF D		J701			E63-0972-05	PIN JACK	KK1M2
C533			CC73GCH1H020C	CHIP C 2.0PF C		J701			E63-0972-05	PIN JACK	K2K3M3
C539,540			CC73GCH1H040C	CHIP C 4.0PF C		J701			E63-0973-05	PIN JACK	M1
C541			CK73GB1H102K	CHIP C 1000PF K		J701			E63-0974-05	PIN JACK	E1E3
C601,602			CK73GB1C104K	CHIP C 0.10UF K	KK1M2	J921			E11-0625-05	PHONE JACK	K1E1
C601,602			CK73GB1C104K	CHIP C 0.10UF K	K2K3M3	W551	2D		E30-6803-05	CORD WITH PLUG	
C603			CD04AV0J470M	ELECTRO 47UF 6.3WV	KK1M2	F1			F53-0406-05	FUSE (UL,CSA) (2.5A)	
C603			CD04AV0J470M	ELECTRO 47UF 6.3WV	K2K3M3						
C701-706			CD04AV1V100M	ELECTRO 10UF 35WV	KK1M2	L1			L33-2459-05	CHOKE COIL ASSY	
C701-706			CD04AV1V100M	ELECTRO 10UF 35WV	K2K3M3	L51			L33-2462-05	SMALL FIXED INDUCTOR	
C703-706			CD04AV1V100M	ELECTRO 10UF 35WV	M1	L52,53			L92-0639-05	CHIP FERRITE	
C705,706			CD04AV1V100M	ELECTRO 10UF 35WV	E1E3	L302			L92-0616-05	CHIP FERRITE	
C711-716			CK73GB1H102K	CHIP C 1000PF K	KK1M2	L401-405			L92-0648-05	CHIP FERRITE	
C711-716			CK73GB1H102K	CHIP C 1000PF K	K2K3M3						
C713-716			CK73GB1H102K	CHIP C 1000PF K	M1	L501			L40-4791-58	SMALL FIXED INDUCTOR	
C715,716			CK73GB1H102K	CHIP C 1000PF K	E1E3	L502,503			L33-1031-05	SMALL FIXED INDUCTOR	
C801-804			CK73GB1C224K	CHIP C 0.22UF K		L504			L40-2781-58	SMALL FIXED INDUCTOR (0.27UH)	
C805			CD04AV1C330M	ELECTRO 33UF 16WV		L505			L40-4791-58	SMALL FIXED INDUCTOR	
C806			CK73GB1A105K	CHIP C 1.0UF K		L506			L40-4781-58	SMALL FIXED INDUCTOR	
C807			CK73HBOJ105K	CHIP C 1.0UF K		L507			L40-1891-58	SMALL FIXED INDUCTOR (1.8UH)	
C808			CK73GB1A105K	CHIP C 1.0UF K		L508			L40-4781-58	SMALL FIXED INDUCTOR	
C821-828			CC73GCH1H471J	CHIP C 470PF J		L509			L92-0607-05	CHIP FERRITE	K1
C901			CK73GB1C104K	CHIP C 0.10UF K	KK1E1	L509			L92-0607-05	CHIP FERRITE	K2K3K
C901			CK73GB1C104K	CHIP C 0.10UF K	M1	L551			QQR1872-001	RF COIL	
C902			CK73FB0J106K	CHIP C 10UF K	KK1E1	X201	*		L77-3846-05	CRYSTAL RESONATOR (12MHZ)	
C902			CK73FB0J106K	CHIP C 10UF K	M1	X202			L77-2921-15	CRYSTAL RESONATOR (32.768KHZ)	
C903,904			CC73GCH1H101J	CHIP C 100PF J	KK1E1	X501			L77-3824-05	CRYSTAL RESONATOR (4.000MHZ)	
C903,904			CC73GCH1H101J	CHIP C 100PF J	M1	J	2D		N80-3008-48	PAN HEAD TAPTITE SCREW	
C905,906			CK73GB1C104K	CHIP C 0.10UF K	KK1E1	K	2D		N83-3005-48	PAN HEAD TAPTITE SCREW	
C905,906			CK73GB1C104K	CHIP C 0.10UF K	M1	L	2D		N84-3014-48	PAN HEAD TAPTITE SCREW	
C908			CD04AV1V100M	ELECTRO 10UF 35WV	KK1E1	M	3D		N86-2606-48	BINDING HEAD TAPTITE SCREW	
C908			CD04AV1V100M	ELECTRO 10UF 35WV	M1	N	2D		N89-3010-48	BINDING HEAD TAPTITE SCREW	
C909			CK73GB1C104K	CHIP C 0.10UF K	KK1M1	CP901			RK74GA1J101J	CHIP-COM 100 J 1/16W	KK1M1
C909			CK73GB1C104K	CHIP C 0.10UF K	M2E1E3	CP901			RK74GA1J101J	CHIP-COM 100 J 1/16W	M2E1E3
C910			C90-6989-05	ELECTRO 330UF 6.3WV	KK1E1	R1			RD14BB2C102J	RD 1.0K J 1/6W	
C910			C90-6989-05	ELECTRO 330UF 6.3WV	M1	R2			RK73HB1J102J	CHIP R 1.0K J 1/16W	
C912			CK73HB1A104K	CHIP C 0.10UF K	KK1E1	R11			RD14DB2H7R5J	SMALL-RD 7.5 J 1/2W	
C912			CK73HB1A104K	CHIP C 0.10UF K	M1	R51			RK73GH2A303D	CHIP R 30K D 1/10W	
C913			CK73GB1H102K	CHIP C 1000PF K	KK1E1	R52			RK73GH2A164D	CHIP R 160K D 1/10W	
C913			CK73GB1H102K	CHIP C 1000PF K	M1	R53			RK73HB1J164J	CHIP R 160K J 1/16W	
C914			CK73GB0J225K	CHIP C 2.2UF K	KK1M1	R54			RK73GH2A823D	CHIP R 82K D 1/10W	
C914			CK73GB0J225K	CHIP C 2.2UF K	M2E1E3	R55			RK73GH2A134D	CHIP R 130K D 1/10W	
C915			CK73FB1H334K	CHIP C 0.33UF K	KK1M1	R57			RK73HB1J102J	CHIP R 1.0K J 1/16W	
C915			CK73FB1H334K	CHIP C 0.33UF K	M2E1E3	R59			RK73EB2E150J	CHIP R 15 J 1/4W	
C916,917			CK73GB1C104K	CHIP C 0.10UF K	KK1E1	R71			RK73GB2A223J	CHIP R 22K J 1/10W	
C916,917			CK73GB1C104K	CHIP C 0.10UF K	M1	R91			RK73GB2A362J	CHIP R 3.6K J 1/10W	K2K1
C921			CK73GB1H103K	CHIP C 0.010UF K	E1	R92			RK73GB2A432J	CHIP R 4.3K J 1/10W	K2K1
CN301			E41-1828-05	FLAT CABLE CONNECTOR		R93			RK73GB2A562J	CHIP R 5.6K J 1/10W	K2K1
CN901			E41-3043-05	PIN ASSY	KK1M1	R94			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	K2K1
CN901			E41-3043-05	PIN ASSY	M2E1E3	R95			RK73FB2B102J	CHIP R 1.0K J 1/8W	K2K1
J1			E58-0991-05	RECTANGULAR RECEPTACLE		R96			RK73GB2A222J	CHIP R 2.2K J 1/10W	K2K1
J301	*		E58-1144-05	RECTANGULAR RECEPTACLE		R97			RK73GB2A101J	CHIP R 100 J 1/10W	K2K1
J601			E56-0855-05	CYLINDRICAL RECEPTACLE	KK1M2	R99			RK73EB2E000J	CHIP R 0.0 J 1/4W	E1E3M1
J601			E56-0855-05	CYLINDRICAL RECEPTACLE	K2K3M3	R99			RK73EB2E000J	CHIP R 0.0 J 1/4W	K3M3K
						R99			RK73EB2E000J	CHIP R 0.0 J 1/4W	M2

K: KDC-BT648U K1: KDC-X695 K2: KDC-X395 K3: KDC-348U
M1: KDC-U549BT M2: KDC-U4549SD M3: KDC-U4549
E1: KDC-BT41U E3: KDC-4751SD

△ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-696x-xx)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R101			RK73FB2B472J	CHIP R 4.7K J 1/8W	K1	R242			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R101			RK73FB2B472J	CHIP R 4.7K J 1/8W	K2K3K	R261			RK73GB2A223J	CHIP R 22K J 1/10W	
R101,102			RK73FB2B472J	CHIP R 4.7K J 1/8W	M1M2	R262			RK73HB1J223J	CHIP R 22K J 1/16W	
R101,102			RK73FB2B472J	CHIP R 4.7K J 1/8W	M3E1E3	R263			RK73HB1J333J	CHIP R 33K J 1/16W	
R103-105			RK73EB2E102J	CHIP R 1.0K J 1/4W		R266,267			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R106			RK73EB2E333J	CHIP R 33K J 1/4W		R271			RK73HB1J101J	CHIP R 100 J 1/16W	
R107			RK73HB1J103J	CHIP R 10K J 1/16W		R301			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R108			RK73GB2A223J	CHIP R 22K J 1/10W		R302			RK73HB1J101J	CHIP R 100 J 1/16W	
R109			RK73FB2B683J	CHIP R 68K J 1/8W		R303			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R110			RK73GB2A473J	CHIP R 47K J 1/10W		R304			RK73HB1J101J	CHIP R 100 J 1/16W	
R111			RK73EB2E203J	CHIP R 20K J 1/4W		R305,306			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R112			RK73HB1J104J	CHIP R 100K J 1/16W		R307			RK73HB1J222J	CHIP R 2.2K J 1/16W	
R113			RK73GB2A103J	CHIP R 10K J 1/10W		R308			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R114,115			RK73HB1J103J	CHIP R 10K J 1/16W		R309,310			RK73HB1J101J	CHIP R 100 J 1/16W	
R117			RK73GB2A123J	CHIP R 12K J 1/10W		R311			RK73GB2A101J	CHIP R 100 J 1/10W	
R118			RK73GB2A683J	CHIP R 68K J 1/10W		R312,313			RK73HB1J101J	CHIP R 100 J 1/16W	
R119			RK73HB1J103J	CHIP R 10K J 1/16W		R314			RK73GB2A223J	CHIP R 22K J 1/10W	
R124			RK73HB1J363J	CHIP R 36K J 1/16W		R315			RK73GB2A100J	CHIP R 10 J 1/10W	
R125			RK73HB1J104J	CHIP R 100K J 1/16W		R318,319			RK73HB1J222J	CHIP R 2.2K J 1/16W	
R151			RK73HB1J000J	CHIP R 0.0 J 1/16W	M3M1M2	R321			RK73GB2A104J	CHIP R 100K J 1/10W	
R152			RK73HB1J000J	CHIP R 0.0 J 1/16W	E1E3	R322			RK73HB1J104J	CHIP R 100K J 1/16W	
R201,202			RK73GB2A102J	CHIP R 1.0K J 1/10W		R323			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R203			RK73GB2A223J	CHIP R 22K J 1/10W		R324			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R204			RK73GB2A104J	CHIP R 100K J 1/10W		R327			RK73HB1J225J	CHIP R 2.2M J 1/16W	
R205			RK73HB1J102J	CHIP R 1.0K J 1/16W		R331			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R206			RK73GB2A100J	CHIP R 10 J 1/10W		R332,333			RK73EB2E222J	CHIP R 2.2K J 1/4W	
R207			RK73HB1J153J	CHIP R 15K J 1/16W		R334-336			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R208			RK73GB2A100J	CHIP R 10 J 1/10W		R337,338			RK73GB2A103J	CHIP R 10K J 1/10W	
R209			RK73HB1J153J	CHIP R 15K J 1/16W		R339,340			RK73EB2E100J	CHIP R 10 J 1/4W	
R212			RK73GB2A473J	CHIP R 47K J 1/10W	K3M3K	R341			RK73EB2E4R7J	CHIP R 4.7 J 1/4W	
R213			RK73GB2A473J	CHIP R 47K J 1/10W	K2K1	R342			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R213,214			RK73GB2A473J	CHIP R 47K J 1/10W	E1E3M1	R343			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R213,214			RK73GB2A473J	CHIP R 47K J 1/10W	M2	R347			RK73GB2A000J	CHIP R 0.0 J 1/10W	
R214			RK73GB2A473J	CHIP R 47K J 1/10W	M3	R401,402			RK73GB2A103J	CHIP R 10K J 1/10W	
R215			RK73GB2A223J	CHIP R 22K J 1/10W	M3M1M2	R403			RK73HB1J472J	CHIP R 4.7K J 1/16W	
R215			RK73GB2A473J	CHIP R 47K J 1/10W	K1	R404			RK73EB2E2R2J	CHIP R 2.2 J 1/4W	
R215			RK73GB2A473J	CHIP R 47K J 1/10W	K2K3K	R505			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R216			RK73HB1J104J	CHIP R 100K J 1/16W		R506			RK73EB2E220J	CHIP R 22 J 1/4W	
R217			RK73GB2A473J	CHIP R 47K J 1/10W		R507,508			RK73GB2A221J	CHIP R 220 J 1/10W	
R218			RK73GB2A102J	CHIP R 1.0K J 1/10W		R513,514			RK73GB2A684J	CHIP R 680K J 1/10W	
R219			RK73GB2A473J	CHIP R 47K J 1/10W		R515,516			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R220			RK73HB1J104J	CHIP R 100K J 1/16W		R518			RK73GB2A000J	CHIP R 0.0 J 1/10W	M1M2
R222			RK73HB1J101J	CHIP R 100 J 1/16W		R518			RK73GB2A000J	CHIP R 0.0 J 1/10W	M3E1E3
R223			RK73HB1J102J	CHIP R 1.0K J 1/16W		R519,520			RK73GB2A221J	CHIP R 220 J 1/10W	
R224,225			RK73HB1J101J	CHIP R 100 J 1/16W		R528			RK73EB2E000J	CHIP R 0.0 J 1/4W	K1E1E3
R226,227			RK73HB1J223J	CHIP R 22K J 1/16W		R528			RK73EB2E000J	CHIP R 0.0 J 1/4W	K2K3K
R228,229			RK73GB2A101J	CHIP R 100 J 1/10W		R601,602			RK73EB2E100J	CHIP R 10 J 1/4W	KK1M2
R230			RK73HB1J223J	CHIP R 22K J 1/16W		R601,602			RK73EB2E100J	CHIP R 10 J 1/4W	K2K3M3
R231			RK73HB1J101J	CHIP R 100 J 1/16W		R603			RK73EB2E4R7J	CHIP R 4.7 J 1/4W	KK1M2
R232			RK73GB2A102J	CHIP R 1.0K J 1/10W		R603			RK73EB2E4R7J	CHIP R 4.7 J 1/4W	K2K3M3
R233			RK73HB1J101J	CHIP R 100 J 1/16W		R605			RK73EB2E101J	CHIP R 100 J 1/4W	KK1M2
R234			RK73HB1J102J	CHIP R 1.0K J 1/16W		R605			RK73EB2E101J	CHIP R 100 J 1/4W	K2K3M3
R238			RK73EB2E471J	CHIP R 470 J 1/4W		R606,607			RK73EB2E473J	CHIP R 47K J 1/4W	KK1M2
R240			RK73GB2A332J	CHIP R 3.3K J 1/10W		R606,607			RK73EB2E473J	CHIP R 47K J 1/4W	K2K3M3
R241			RK73HB1J332J	CHIP R 3.3K J 1/16W		R608			RK73EB2E101J	CHIP R 100 J 1/4W	KK1M2

K: KDC-BT648U K1: KDC-X695 K2: KDC-X395 K3: KDC-348U
M1: KDC-U549BT M2: KDC-U4549SD M3: KDC-U4549
E1: KDC-BT41U E3: KDC-4751SD

△Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-696x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
R608			RK73EB2E101J	CHIP R 100 J 1/4W	K2K3M3	R907			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	KK1E1
R609			RK73EB2E473J	CHIP R 47K J 1/4W	KK1M2	R907			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	M1
R609			RK73EB2E473J	CHIP R 47K J 1/4W	K2K3M3	R908,909			RK73GB2A103J	CHIP R 10K J 1/10W	KK1E1
R610			RK73EB2E472J	CHIP R 4.7K J 1/4W	KK1M2	R908,909			RK73GB2A103J	CHIP R 10K J 1/10W	M1
R610			RK73EB2E472J	CHIP R 4.7K J 1/4W	K2K3M3	R913			RK73HB1J000J	CHIP R 0.0 J 1/16W	KK1E1
R611			RK73EB2E432J	CHIP R 4.3K J 1/4W	KK1M2	R913			RK73HB1J000J	CHIP R 0.0 J 1/16W	M1
R611			RK73EB2E432J	CHIP R 4.3K J 1/4W	K2K3M3	R913			RK73HB1J330J	CHIP R 33 J 1/16W	E3M2
R612			RK73EB2E472J	CHIP R 4.7K J 1/4W	KK1M2	R914			RK73GB2A473J	CHIP R 47K J 1/10W	E3M2
R612			RK73EB2E472J	CHIP R 4.7K J 1/4W	K2K3M3	R915			RK73GB2A000J	CHIP R 0.0 J 1/10W	KK1E1
R616			RK73GB2A473J	CHIP R 47K J 1/10W	KK1M2	R915			RK73GB2A000J	CHIP R 0.0 J 1/10W	M1
R616			RK73GB2A473J	CHIP R 47K J 1/10W	K2K3M3	R917			RK73EB2E000J	CHIP R 0.0 J 1/4W	KK1E1
R617			RK73HB1J104J	CHIP R 100K J 1/16W	KK1M2	R917			RK73EB2E000J	CHIP R 0.0 J 1/4W	M1
R617			RK73HB1J104J	CHIP R 100K J 1/16W	K2K3M3	R921,922			RK73EB2E101J	CHIP R 100 J 1/4W	K1E1
R618			RK73GB2A683J	CHIP R 68K J 1/10W	KK1M2	R923,924			RK73HB1J000J	CHIP R 0.0 J 1/16W	K1
R618			RK73GB2A683J	CHIP R 68K J 1/10W	K2K3M3	R925,926			RK73HB1J000J	CHIP R 0.0 J 1/16W	KM1
R619,620			RK73HB1J683J	CHIP R 68K J 1/16W	KK1M2	R927,928			RK73GB2A101J	CHIP R 100 J 1/10W	KE1M1
R619,620			RK73HB1J683J	CHIP R 68K J 1/16W	K2K3M3	R929			RK73HB1J473J	CHIP R 47K J 1/16W	E1
R701,702			RK73GB2A331J	CHIP R 330 J 1/10W	KK1M2	R951			RK73HB1J101J	CHIP R 100 J 1/16W	E3M2
R701,702			RK73GB2A331J	CHIP R 330 J 1/10W	K2K3M3	R952			RK73HB1J473J	CHIP R 47K J 1/16W	E3M2
R703,704			RK73HB1J223J	CHIP R 22K J 1/16W	KK1M2	R953			RK73GB2A473J	CHIP R 47K J 1/10W	E3M2
R703,704			RK73HB1J223J	CHIP R 22K J 1/16W	K2K3M3	R954			RK73HB1J101J	CHIP R 100 J 1/16W	E3M2
R705,706			RK73FB2B181J	CHIP R 180 J 1/8W	KK1M2	R955			RK73HB1J102J	CHIP R 1.0K J 1/16W	E3M2
R705,706			RK73FB2B181J	CHIP R 180 J 1/8W	K2K3M3	R956			RK73HB1J473J	CHIP R 47K J 1/16W	E3M2
R707,708			RK73GB2A331J	CHIP R 330 J 1/10W	KK1M1	S301			S70-0959-05	TACT SWITCH	
R707,708			RK73GB2A331J	CHIP R 330 J 1/10W	K2K3M3	D1			S2V60-5009F46	DIODE	
R707,708			RK73GB2A331J	CHIP R 330 J 1/10W	M2	D2			HZS9-E(A1)	ZENER DIODE	
R709,710			RK73HB1J223J	CHIP R 22K J 1/16W	KK1M1	D3			1SR154-400	DIODE	
R709,710			RK73HB1J223J	CHIP R 22K J 1/16W	K2K3M3	D4			HSS4148	DIODE	
R709,710			RK73HB1J223J	CHIP R 22K J 1/16W	M2	D6			HSS4148	DIODE	
R711,712			RK73FB2B181J	CHIP R 180 J 1/8W	KK1M1	D51			CMS14	DIODE	
R711,712			RK73FB2B181J	CHIP R 180 J 1/8W	K2K3M3	D52			1SS355	DIODE	
R713,714			RK73GB2A331J	CHIP R 330 J 1/10W	M2	D91			1SR154-400	DIODE	K2K1
R715,716			RK73HB1J223J	CHIP R 22K J 1/16W		D92 ,93			UDZW5.6(B)	ZENER DIODE	K2K1
R717,718			RK73FB2B181J	CHIP R 180 J 1/8W		D101-104			1SR154-400	DIODE	M1M2
R801			RK73HB1J333J	CHIP R 33K J 1/16W		D101-104			1SR154-400	DIODE	M3E1E3
R802			RK73HB1J473J	CHIP R 47K J 1/16W		D101,102			1SR154-400	DIODE	K1
R803			RK73HB1J331J	CHIP R 330 J 1/16W		D101,102			1SR154-400	DIODE	K2K3K
R804			RK73GB2A223J	CHIP R 22K J 1/10W		D105			MC2846-T111	DIODE	
R805			RK73GB2A622J	CHIP R 6.2K J 1/10W		D106-108			UDZW6.8(B)	ZENER DIODE	
R806			RK73GB2A100J	CHIP R 10 J 1/10W		D201			RB521S-30	DIODE	
R807,808			RK73GB2A102J	CHIP R 1.0K J 1/10W		D301			MC2850-T111	DIODE	
R809			RK73GB2A473J	CHIP R 47K J 1/10W		D302-304			RKZ6.8KG(B2)	ZENER DIODE	
R810			RK73GB2A272J	CHIP R 2.7K J 1/10W		D305,306			LVS10C270S030	VARIATOR	
R821			RK73GB2A000J	CHIP R 0.0 J 1/10W		D307			HZM6.8ZMWA-E	ZENER DIODE	
R822,823			RK73HB1J101J	CHIP R 100 J 1/16W		D308			MC2850-T111	DIODE	
R901			RK73HB1J101J	CHIP R 100 J 1/16W	E3M2	D401-403			MC2846-T111	DIODE	
R901			RK73HB1J220J	CHIP R 22 J 1/16W	KK1E1	D502			MC2850-T111	DIODE	
R901			RK73HB1J220J	CHIP R 22 J 1/16W	M1	D601-605			RKZ6.8KG(B2)	ZENER DIODE	KK1M2
R902			RK73HB1J473J	CHIP R 47K J 1/16W	KK1M1	D601-605			RKZ6.8KG(B2)	ZENER DIODE	K2K3M3
R902			RK73HB1J473J	CHIP R 47K J 1/16W	M2E1E3	D611			RKZ6.8KG(B2)	ZENER DIODE	KK1M2
R903,904			RK73GB2A473J	CHIP R 47K J 1/10W	KK1E1	D611			RKZ6.8KG(B2)	ZENER DIODE	K2K3M3
R903,904			RK73GB2A473J	CHIP R 47K J 1/10W	M1	D701,702			MC2846-T111	DIODE	KK1M1
R905,906			RK73GB2A223J	CHIP R 22K J 1/10W	KK1E1	D701,702			MC2846-T111	DIODE	K2K3M3
R905,906			RK73GB2A223J	CHIP R 22K J 1/10W	M1	D701,702			MC2846-T111	DIODE	M2

K: KDC-BT648U K1: KDC-X695 K2: KDC-X395 K3: KDC-348U
M1: KDC-U549BT M2: KDC-U4549SD M3: KDC-U4549
E1: KDC-BT41U E3: KDC-4751SD

△ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-696x-xx)

Ref. No.	Added	New	Parts No.	Description	Destination
D702			MC2846-T111	DIODE	E1E3
D801			MC2846-T111	DIODE	
D921,922			RKZ4.7KG(B2)	ZENER DIODE	K1E1
IC1			BD49131-V4	ANALOGUE IC	
IC21			R1114N331B-TR	ANALOGUE IC	
IC51			MP2562DS-X	ANALOGUE IC	
IC71			BD2224G	MOS-IC	
IC201		*	W05-1654-00	MCU	KK1E1
IC201		*	W05-1654-00	MCU	M1
IC201		*	W05-1656-00	MCU	E3M2
IC201		*	W05-1657-00	MCU	K2K3M3
IC202		*	XC6119N28AN-G	MOS-IC	
IC203		*	EX24002ATAS0A	ROM IC	E3M2
IC203		*	EX24002ATAS0A	ROM IC	K2K3M3
IC203		*	EX24008ATAS0A	ROM IC	KK1E1
IC203		*	EX24008ATAS0A	ROM IC	M1
IC261			MFI341S2162	MICROPROCESSOR IC	
IC301			TC7SET125FU-F	MOS-IC	
IC401			E-TDA7415CB	ANALOGUE IC	
IC501			TEF6614TV1S3-X	ANALOGUE IC	E1E3
IC501			TEF6614TV1S4-X	ANALOGUE IC	KK1M1
IC501			TEF6614TV1S4-X	ANALOGUE IC	K2K3M3
IC501			TEF6614TV1S4-X	ANALOGUE IC	M2
IC601			TC74VHCT08AFT	MOS-IC	KK1M2
IC601			TC74VHCT08AFT	MOS-IC	K2K3M3
IC602			TC7SET08FU-F	MOS-IC	KK1M2
IC602			TC7SET08FU-F	MOS-IC	K2K3M3
IC801			E-TDA7851A	ANALOGUE IC	
IC802			74HCT2G08DP	MOS-IC	
IC901			NJM4565V-ZB	ANALOGUE IC	KK1E1
IC901			NJM4565V-ZB	ANALOGUE IC	M1
IC902			NJM2845DL133B	ANALOGUE IC	KK1M1
IC902			NJM2845DL133B	ANALOGUE IC	M2E1E3
IC921			TC4053BFT(N)	ANALOGUE IC	E1
Q1			KTA1046-P	TRANSISTOR	
Q2			2SC4081	TRANSISTOR	
Q3			RT1N241M-T111	TRANSISTOR	
Q4			RT1P241M-T111	TRANSISTOR	
Q5			RT1N436M-T111	TRANSISTOR	M3M1M2
Q6			RT1P241M-T111	TRANSISTOR	M3M1M2
Q7			RT1N436M-T111	TRANSISTOR	
Q8			RT1P241M-T111	TRANSISTOR	
Q9			RT1N436M-T111	TRANSISTOR	
Q10			RT1P241M-T111	TRANSISTOR	
Q51			RT1N436M-T111	TRANSISTOR	
Q91			2SC4081	TRANSISTOR	K2K1
Q92			2SC5053	TRANSISTOR	K2K1
Q93			RT1P241M-T111	TRANSISTOR	K2K1
Q94			RT1N436M-T111	TRANSISTOR	K2K1
Q101-104			2SC4081	TRANSISTOR	
Q301			RT1P237M-T111	TRANSISTOR	KK1M1
Q301			RT1P237M-T111	TRANSISTOR	M2E1E3
Q301,302			RT1P237M-T111	TRANSISTOR	K2K3M3
Q701-706			RT1N430M-T111	TRANSISTOR	KK1M2
Q701-706			RT1N430M-T111	TRANSISTOR	K2K3M3

Ref. No.	Added	New	Parts No.	Description	Destination
Q703-706			RT1N430M-T111	TRANSISTOR	M1
Q705,706			RT1N430M-T111	TRANSISTOR	E1E3
Q707,708			RT1P144M-T111	TRANSISTOR	KK1M1
Q707,708			RT1P144M-T111	TRANSISTOR	K2K3M3
Q707,708			RT1P144M-T111	TRANSISTOR	M2
Q708			RT1P144M-T111	TRANSISTOR	E1E3
Q921			RT1N436M-T111	TRANSISTOR	E1
Q951			2SB1689	TRANSISTOR	E3M2
TH801			PRF18BE471QS2	POSITIVE RESISTOR	
A901			W02-5374-15	ELECTRIC CIRCUIT MODULE	KK1E1
A901			W02-5374-15	ELECTRIC CIRCUIT MODULE	M1
MECHANISM ASSY (X92-6370-04) DXM-9B24W					
1	2B		A10-5450-63	CHASSIS ASSY	
3	3B		A10-5452-41	CHASSIS	
4	1B		A10-5453-32	CHASSIS	
12	3A		D10-4993-52	LEVER	
13	1B		D10-4991-22	ARM	
14	1B		D10-4992-13	ARM	
15	2A		D10-4994-02	SLIDER	
16	2A		D10-4995-03	SLIDER	
17	2B		D10-4996-02	SLIDER	
18	2A		D10-4997-03	LEVER	
19	1A		D10-4998-03	ARM	
20	2A		D10-4999-03	ARM	
21	2A		D10-7001-03	ARM	
22	2A		D10-7002-03	ARM	
23	2A		D10-7003-03	ARM	
24	2A		D13-2445-04	GEAR	
25	2A		D13-2446-04	GEAR	
27	2A		D13-2448-04	GEAR	
28	2A		D13-2449-04	GEAR	
29	2A		D13-2450-04	GEAR	
30	2A		D13-2451-04	GEAR	
31	2A		D13-2452-04	GEAR	
32	2A		D13-2453-04	GEAR	
33	2A		D13-2454-04	GEAR	
34	2A		D13-2455-04	GEAR	
35	2B		D13-2456-03	RACK (GEAR)	
36	2A		D14-1028-04	ROLLER	
37	3A		D21-2507-04	SHAFT	
38	2B		D21-2508-04	SHAFT	
39	3A		D23-0963-04	RETAINER	
40	3B		D39-0277-15	DAMPER	
41	3B		D39-0278-15	DAMPER	
46	1B		G01-4682-34	TORSION COIL SPRING	
47	3A		G01-4756-04	EXTENSION SPRING	
48	2A		G01-4684-04	EXTENSION SPRING	
49	2B		G01-4685-04	EXTENSION SPRING	
50	1B		G01-4686-14	EXTENSION SPRING	
51	3A		G01-4688-14	EXTENSION SPRING	
52	3A		G01-4692-24	TORSION COIL SPRING	
54	3A		G02-1588-04	FLAT SPRING	
55	1B		G13-1297-04	CUSHION	
56	1B		G13-1299-14	CUSHION	

K: KDC-BT648U K1: KDC-X695 K2: KDC-X395 K3: KDC-348U
M1: KDC-U549BT M2: KDC-U4549SD M3: KDC-U4549
E1: KDC-BT41U E3: KDC-4751SD

△Indicates safety critical components.

PARTS LIST

MECHANISM ASSY (X92-6370-04) DXM-9B24W

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
57	1A		G16-1715-04	SHEET							
61	1B		J11-0675-03	CLAMPER							
64	2A		J19-7210-21	HOLDER							
65	2B		J19-7225-04	HOLDER							
66	1B		J22-0706-03	MOUNTING HARDWARE							
67	1A		J22-0707-12	MOUNTING HARDWARE							
68	1B		J90-1166-11	GUIDE							
69	2B		J90-1168-03	RAIL							
A	1A		N09-6108-15	TAPTITE SCREW (M2X3.5)							
B	2B		N09-6426-15	MACHINE SCREW							
C	2B		N09-6735-05	TAPTITE SCREW							
D	2B		N09-6737-15	MACHINE SCREW							
E	2B		N09-6738-15	TAPTITE SCREW							
F	2A		N19-2335-14	FLAT WASHER							
G	2B		N35-2003-48	BINDING HEAD MACHINE SCREW							
H	2B		N39-1720-48	PAN HEAD MACHINE SCREW							
76	2A		S68-0921-05	PUSH SWITCH							
DM1	2B		X94-2090-00	SPINDLE MOTOR ASSY							
DM2	2B		X94-2100-00	FEED MOTOR ASSY (LOAD/SLED)							
DPU1	2B		X93-2280-00	OPTICAL PICKUP ASSY							

K: KDC-BT648U **K1:** KDC-X695 **K2:** KDC-X395 **K3:** KDC-348U
M1: KDC-U549BT **M2:** KDC-U4549SD **M3:** KDC-U4549
E1: KDC-BT41U **E3:** KDC-4751SD

△ Indicates safety critical components.

SPECIFICATIONS (Models for destination “K”)

FM tuner section

Frequency range (200 kHz space)... 87.9 MHz — 107.9 MHz
Usable sensitivity (S/N= 26 dB)..... 11.2 dBf (1 μ V/75 Ω)
Quieting sensitivity (DIN S/N = 46 dB)
..... 19.2 dBf (2.5 μ V/75 Ω)
Frequency response (\pm 3 dB)30 Hz — 15 kHz
Signal-to-Noise ratio (MONO) 63 dB
Stereo separation (1 kHz) 40 dB

AM tuner section

Frequency range (10 kHz space).....530 kHz — 1,700 kHz
Usable sensitivity (S/N= 20 dB)..... 31 dB μ (36 μ V)

CD player section

Laser diode.....GaAlAs
Digital filter (D/A)..... 8 Times Over Sampling
D/A converter 24 Bit
Spindle speed 500 rpm — 200 rpm (CLV)
Wow & Flutter Below Measurable Limit
Frequency response (\pm 1 dB)20 Hz — 20 kHz
Total harmonic distortion (1 kHz)
KDC-X695/KDC-X395..... 0.008 %
KDC-BT648U/KDC-348U 0.01 %
Signal-to-Noise ratio (1 kHz)
KDC-X695/KDC-X395..... 110 dB
KDC-BT648U/KDC-348U 105 dB
Dynamic range 93 dB
AAC decode
..... AAC-LC “.m4a” files (KDC-BT648U/KDC-X695 only)
MP3 decode Compliant with MPEG-1/2 Audio Layer-3
WMA decode.....Compliant with Windows Media Audio

USB interface

USB standardUSB1.1/ 2.0 (Full speed)
Maximum supply current..... 500 mA
File systemFAT16/ 32
AAC decode
..... AAC-LC “.m4a” files (KDC-BT648U/KDC-X695 only)
MP3 decode Compliant with MPEG-1/2 Audio Layer-3
WMA decode.....Compliant with Windows Media Audio

Bluetooth section (KDC-BT648U/KDC-X695 only)

TechnologyBluetooth Ver. 2.0 Certified
Frequency.....2.402 – 2.480 GHz
Output Power ... +4 dBm (MAX), 0 dBm (AVE) Power Class 2
Maximum Communication range
.....Line of sight approx. 10m (32.8 ft)
ProfileHFP (Hands Free Profile), SPP (Serial Port Profile)
HSP (Headset Profile), OPP (Object Push Profile)
PBAP (Phonebook Access Profile)
SYNC (Synchronization Profile)

Audio section

Maximum output power 50 W \times 4
Full bandwidth power (at less than 1 % THD)..... 22 W \times 4
Speaker impedance4 Ω — 8 Ω
Tone action
Bass 100 Hz \pm 8 dB
Middle 1 kHz \pm 8 dB
Treble 12.5 kHz \pm 8 dB
Preout level / load (CD)
KDC-X695/KDC-X395..... 4,000 mV/ 10 k Ω
KDC-BT648U/KDC-348U 2,500 mV/ 10 k Ω
Preout impedance \leq 600 Ω

Auxiliary input section

Frequency response (\pm 3 dB)20 Hz — 20 kHz
Input maximum voltage.....1,200 mV
Input impedance 10 k Ω

General

Operating voltage
KDC-BT648U/KDC-X695
.....(10.5 V — 16 V allowable): 14.4 V
KDC-X395/KDC-348U(11 V — 16 V allowable): 14.4 V
Maximum current consumption10 A
Installation size (W \times H \times D) 182 mm \times 53 mm \times 160 mm
(7-3/16” \times 2-1/16” \times 6-5/16”)
Weight 2.9 lbs (1.3 kg)

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

SPECIFICATIONS (Models for destination “M”)

FM tuner section

Frequency range	
200 kHz space	87.9 MHz — 107.9 MHz
50 kHz space	87.5 MHz — 108.0 MHz
Usable sensitivity (S/N= 26 dB).....	11.2 dBf (1 μ V/75 Ω)
Quieting sensitivity (DIN S/N = 46 dB)	
.....	19.2 dBf (2.5 μ V/75 Ω)
Frequency response (\pm 3 dB)	30 Hz — 15 kHz
Signal-to-Noise ratio (MONO)	63 dB
Stereo separation (1 kHz)	40 dB

AM tuner section

Frequency range	
10 kHz space	530 kHz — 1,700 kHz
9 kHz space	531 kHz — 1,611 kHz
Usable sensitivity (S/N= 20 dB).....	AM: 31 dB μ (36 μ V)

CD player section

Laser diode.....	GaAlAs
Digital filter (D/A).....	8 Times Over Sampling
D/A converter	24 Bit
Spindle speed	500 rpm — 200 rpm (CLV)
Wow & Flutter	Below Measurable Limit
Frequency response (\pm 1 dB)	20 Hz — 20 kHz
Total harmonic distortion (1 kHz).....	0.01 %
Signal-to-Noise ratio (1 kHz)	105 dB
Dynamic range	93 dB
MP3 decode.....	Compliant with MPEG-1/2 Audio Layer-3
WMA decode.....	Compliant with Windows Media Audio

USB interface

USB standard	USB1.1/ 2.0 (Full speed)
Maximum supply current.....	500 mA
File system	FAT16/ 32
MP3 decode.....	Compliant with MPEG-1/2 Audio Layer-3
WMA decode.....	Compliant with Windows Media Audio

SD card section (KDC-U4549SD only)

Compatible physical format	Version 2.00
Maximum memory capacity	32 GB
File System	FAT 16/ 32
MP3 decode.....	Compliant with MPEG-1/2 Audio Layer-3
WMA decode.....	Compliant with Windows Media Audio

Bluetooth section (KDC-U549BT only)

Technology	Bluetooth Ver. 2.0 Certified
Frequency.....	2.402 – 2.480 GHz
Output Power ...	+4 dBm (MAX), 0 dBm (AVE) Power Class 2
Maximum Communication range	
.....	Line of sight approx. 10m (32.8 ft)
Profile	HFP (Hands Free Profile), SPP (Serial Port Profile)
HSP (Headset Profile), OPP (Object Push Profile)	
PBAP (Phonebook Access Profile)	
SYNC (Synchronization Profile)	

Audio section

Maximum output power	50 W \times 4
Full bandwidth power (at less than 1 % THD).....	22 W \times 4
Speaker impedance	4 Ω — 8 Ω
Tone action	
Bass	100 Hz \pm 8 dB
Middle	1 kHz \pm 8 dB
Treble	12.5 kHz \pm 8 dB
Preout level / load (CD).....	2,500 mV/ 10 k Ω
Preout impedance	\leq 600 Ω

Auxiliary input section

Frequency response (\pm 3 dB)	20 Hz — 20 kHz
Input maximum voltage.....	1,200 mV
Input impedance	10 k Ω

General

Operating voltage:	
KDC-U549BT	(10.5 V — 16 V allowable): 14.4 V
KDC-U4549SD/KDC-U4549	
.....	(11 V — 16 V allowable): 14.4 V
Maximum current consumption	10 A
Installation size (W \times H \times D)	182 mm \times 53 mm \times 160 mm
Weight	1.3 kg

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

SPECIFICATIONS (Models for destination “E”)

FM tuner section

Frequency range (50 kHz space)..... 87.5 MHz — 108.0 MHz
Usable sensitivity (S/N= 26 dB).....1 μ V/ 75 Ω
Quieting sensitivity (DIN S/N = 46 dB)2.5 μ V/75 Ω
Frequency response (\pm 3 dB)30 Hz — 15 kHz
Signal-to-Noise ratio (MONO) 63 dB
Stereo separation (1 kHz) 40 dB

MW tuner section

Frequency range (9 kHz space).....531 kHz – 1,611 kHz
Usable sensitivity (S/N = 20dB).....36 μ V

LW tuner section

Frequency range153 kHz – 279 kHz
Usable sensitivity (S/N = 20dB).....57 μ V

CD player section

Laser diode.....GaAlAs
Digital filter (D/A)..... 8 Times Over Sampling
D/A converter 24 Bit
Spindle speed 500 rpm — 200 rpm (CLV)
Wow & Flutter Below Measurable Limit
Frequency response (\pm 1 dB)20 Hz — 20 kHz
Total harmonic distortion (1 kHz)..... 0.01 %
Signal-to-Noise ratio (1 kHz) 105 dB
Dynamic range 93 dB
AAC decode AAC-LC “.m4a” files
MP3 decode Compliant with MPEG-1/2 Audio Layer-3
WMA decode.....Compliant with Windows Media Audio

USB interface

USB standardUSB1.1/ 2.0 (Full speed)
Maximum supply current..... 500 mA
File systemFAT16/ 32
AAC decode AAC-LC “.m4a” files
MP3 decode Compliant with MPEG-1/2 Audio Layer-3
WMA decode.....Compliant with Windows Media Audio

SD card section (KDC-4751SD only)

Compatible physical format Version 2.00
Maximum memory capacity32 GB
File SystemFAT 16/ 32

AAC decode AAC-LC “.m4a” files
MP3 decode Compliant with MPEG-1/2 Audio Layer-3
WMA decode.....Compliant with Windows Media Audio

Bluetooth section (KDC-BT41U only)

TechnologyBluetooth Ver. 2.0 Certified
Frequency.....2.402 – 2.480 GHz
Output Power ... +4 dBm (MAX), 0 dBm (AVE) Power Class 2
Maximum Communication range
.....Line of sight approx. 10m (32.8 ft)
ProfileHFP (Hands Free Profile), SPP (Serial Port Profile)
HSP (Headset Profile), OPP (Object Push Profile)
PBAP (Phonebook Access Profile)
SYNC (Synchronization Profile)

Audio section

Maximum output power 50 W \times 4
Output power (DIN 45324, +B=14.4V) 30 W \times 4
Speaker impedance4 Ω — 8 Ω
Tone action
Bass 100 Hz \pm 8 dB
Middle 1 kHz \pm 8 dB
Treble 12.5 kHz \pm 8 dB
Preout level / load (CD).....2,500 mV/ 10 k Ω
Preout impedance \leq 600 Ω

Auxiliary input section

Frequency response (\pm 3 dB)20 Hz — 20 kHz
Input maximum voltage.....1,200 mV
Input impedance 10 k Ω

General

Operating voltage
KDC-BT41U(10.5 V — 16 V allowable): 14.4 V
KDC-4751SD(11 V — 16 V allowable): 14.4 V
Maximum current consumption10 A
Installation size (W \times H \times D) 182 mm \times 53 mm \times 160 mm
Weight 1.3 kg

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

DANGER:

Please do not look at the laser beam directly during repair or operation check.

