CD RECEIVER

KDC-MP5033U
KDC-MP532U
KDC-W534UA/UAY/UG/UGY
KDC-W5534U/UY
SERVICE MANUAL

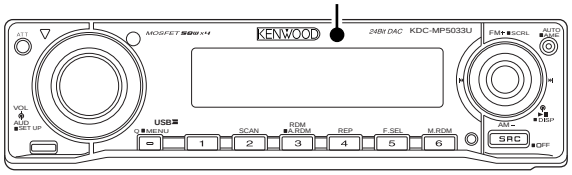
KENWOOD

Kenwood Corporation

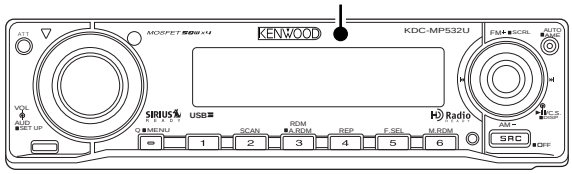
B53-0394-00 (N) 960

CD MECHANISM EXTENSION CORD (30P) : **E39-0812-05**

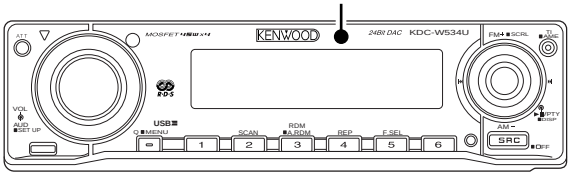
Panel assy
KDC-MP5033U (A64-3765-11)



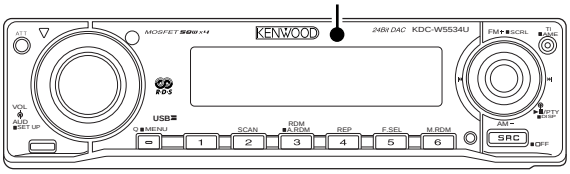
Panel assy
KDC-MP532U (A64-3764-11)



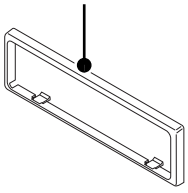
Panel assy
KDC-W534Uxxx (A64-3757-11)



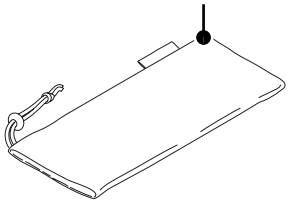
Panel assy
KDC-W5534U/UY (A64-3766-11)



* Escutcheon
(B07-xxxx-xx)



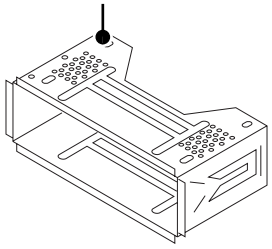
* Carrying case
(W01-1661-05)



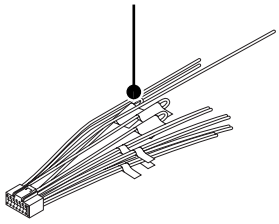
SPARE TDF PANEL

MAIN UNIT NAME	TDF PARTS No.	TDF NAME
KDC-MP5033U	Y33-2540-65	TDF-MP5033U
KDC-MP532U	Y33-2540-64	TDF-MP65D
KDC-W534UA/UAY	Y33-2540-67	TDF-W534UA
KDC-W534UG/UGY	Y33-2540-68	TDF-W534UG
KDC-W5534U/UY	Y33-2540-66	TDF-W5534U

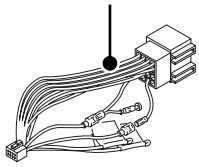
Mounting hardware assy
(J22-0011-03)



* DC cord
(E30-6414-05)



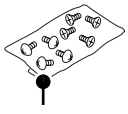
* DC cord
(E30-6413-05)



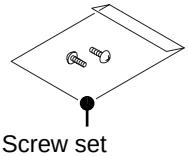
* Remote controller assy (RC-517)
(A70-2069-15)

Battery
(Not supplied)

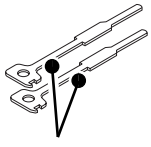
* Antenna adaptor
(T90-0523-05)



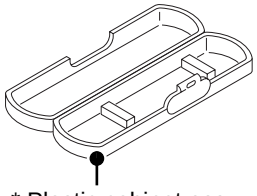
* Screw set
(N99-1757-05)



Screw set
(N99-1780-05)



Lever
(D10-4589-04) x2



* Plastic cabinet assy
(A02-2743-03)

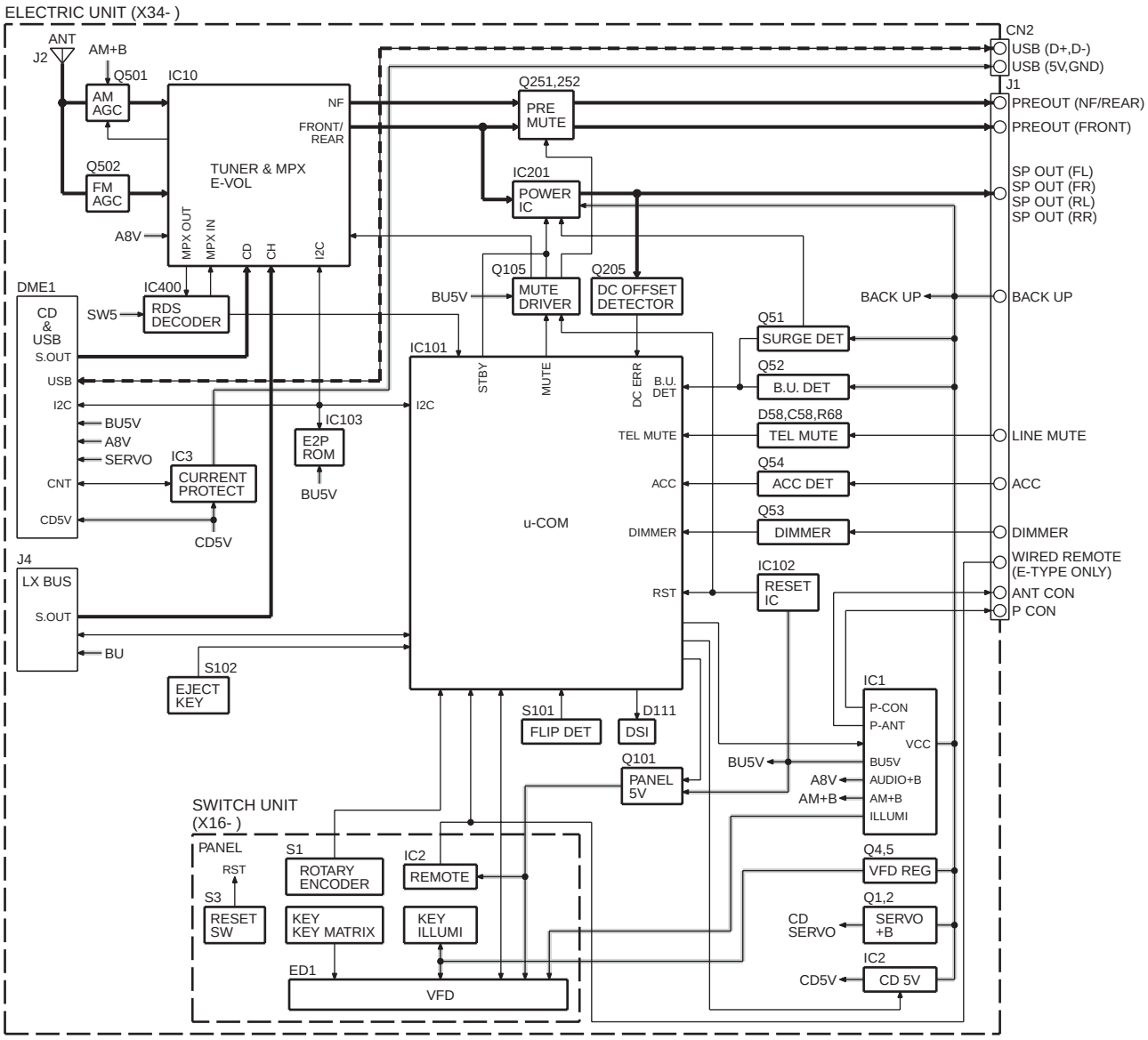
Mounting hardware (L)
(J22-0258-04)

Mounting hardware (R)
(J22-0259-04)

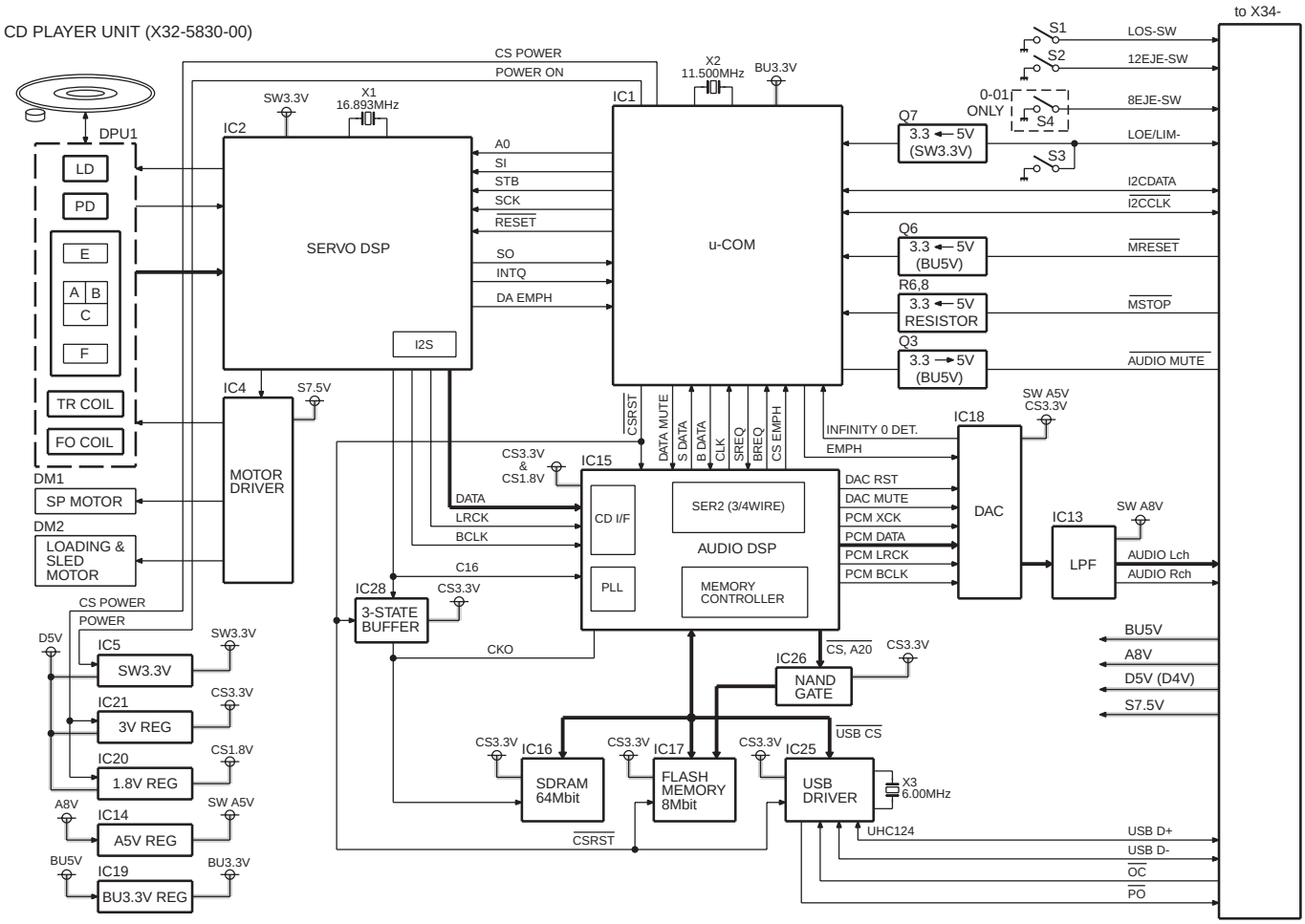
* Depends on the model. Refer to the parts list.

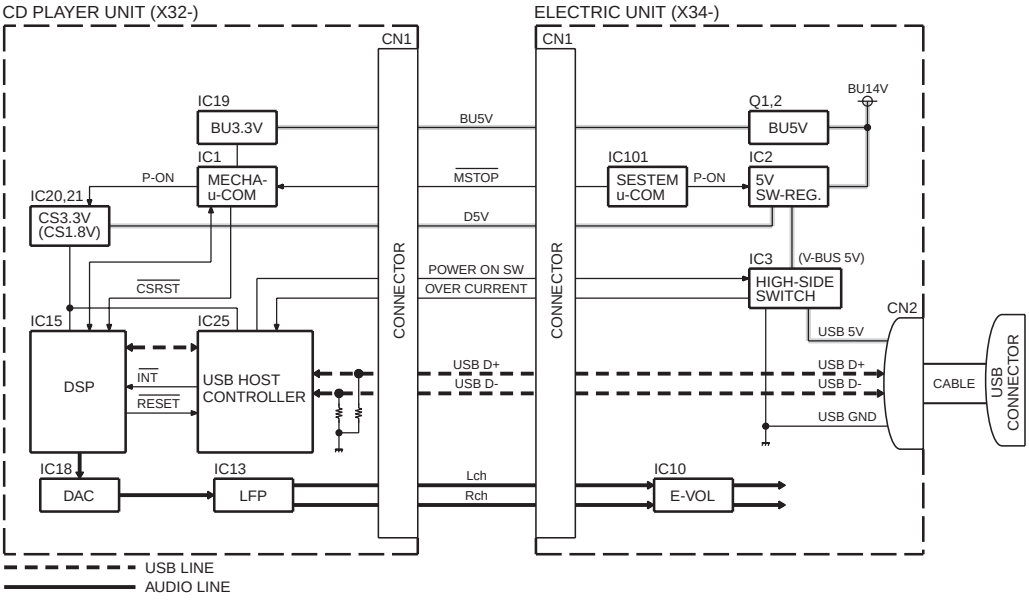
This product uses Lead Free solder.

BLOCK DIAGRAM



BLOCK DIAGRAM





COMPONENTS DESCRIPTION

● ELECTRIC UNIT (X34-412x-xx)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC1	Power Supply IC	DC5V x 1, 7.9V x 1, 8.1V x 2, 10.2V x 1, P-CON, P-ANT output.
IC2	Power Supply IC	DC5V for CD mechanism unit and USB.
IC3	Hi-side SW	USB5V on when the pin 1 goes “Hi”.
IC10	E-VOL & Tuner	E-VOL, Tuner, Stereo decoder.
IC101	System μ-COM	Controls system.
IC102	Reset IC	“Lo” when detection voltage is below 3.6V.
IC103	E2PROM	Saves and loads for tuner adjustment data.
IC201	Power IC	Amplifies signal.
IC400	RDS Decoder	Decodes RDS.
Q1	SERVO+B AVR	Darlington connection with Q2. (Current buffer)
Q2	SERVO+B AVR	Outputs 7.5V.
Q3	14V SW	“ON” when the base goes “Hi”.
Q4	VFD+B & LED AVR	Darlington connection with Q5. (Current buffer)
Q5	VFD+B & LED AVR	Outputs 11V.
Q6	VFD+B & LED SW	“ON” when the base goes “Hi”.
Q7	Non Back Up 5V SW	“ON” when the base goes “Lo”.
Q8	Control SW for IC1	
Q9	Serge Protect for IC2	Darlington connection with Q5. (Current buffer)
Q10	Serge Protect for IC2	Outputs 15V when back up voltage is over 16V.
Q11	Control SW for IC2	IC2 turns on when the base goes “Lo”.
Q12	FL FIL Voltage SW	FL FIL voltage ON/OFF SW.
Q13	Control SW for Q12	Q12 turn on when the base goes “Hi”.
Q51	Serge DET	“ON” when the base goes “Hi”.
Q52	BU DET	“ON” when the base goes “Hi” during BU is applied.
Q53	ILLUMI SW	“ON” when the base goes “Hi”.
Q54	ACC DET	“ON” when the base goes “Hi” during ACC is applied.
Q101	PANEL5V SW	“ON” when the base goes “Lo”.
Q102	Control SW for D111	D111 is ON when the base goes “Hi”.
Q103,104	Mute Control	“ON” when the base goes “Hi”.
Q105	Mute Driver for Preout	“ON” when the base goes “Lo”.
Q201,202	DC Offset DET SW	“ON” when the base goes “Lo”. (At that time, IC201’s SP-OUT DC is separated)
Q203	DC Offset DET	“ON” when the base goes “Hi”. (At that time, Q201 and Q202’s outputs are separated)
Q204	SVR Discharge	IC201’s pin 10 discharges when the base goes “Hi”.
Q251	Mute SW for Lch Preout	Pre-output is muted when the base goes “Hi”.
Q252	Mute SW for Rch Preout	Pre-output is muted when the base goes “Hi”.
Q400	Buffer	IC10 QUAL output buffer.
Q501	AM RF Amplifier	Adjusts for gain.
Q502	FM RF Amplifier	Amplifies RF.
Q503,504	AFS Control	Controls AFS time.

COMPONENTS DESCRIPTION

● SWITCH UNIT (X16-373x-xx)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC2	Remote Control IC	
Q4,5	SW5V	The power supply of IC2 is turned on when Q5's base level goes "Hi".
Q10	GREEN SW	When the base goes "Hi", LED lights.
Q12~14	Grid Driver	Each grid is ON when each transistor's base is "Lo".
Q15	RED SW	When the base goes "Hi", LED lights.
Q20	Key Scan Start SW	Key scan starts when the base goes "Hi".

● DAUGHTER UNIT (X89-2902-70): KDC-MP5033U/MP532U/W5534U/W5534UY only

Ref. No.	Application / Function	Operation / Condition / Compatibility
Q221,222	2-PREOUT MUTE	"ON" when the base goes "H".
Q225	2-PREOUT MUTE	"ON" when the base goes "H".

● CD PLAYER UNIT (X32-5830-00)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC1	Mechanism μ-COM	
IC2	Signal Processor	
IC4	BTL Driver	Spindel motor, sled (including loading & eject) motor and pick-up actuator
IC5	SW3.3V Regulator	3.3V power supply for IC2, pick-up, IC18 digital part
IC13	Audio Active Filter	2nd LPF
IC14	A5V Regulator	3.3V power supply for DAC
IC15	DSP for Compression Audio Decoder	ACDrive decoder, MP3/WMA/AAC decoder
IC16	Compression Audio Codec SDRAM	
IC17	Decoder Software & Unique ID Strage Flash ROM	
IC18	Audio D-A Converter (24-bit external)	External 24-bit for audio
IC19	BU3.3V Regulator	3.3V power supply for μ-com
IC20	1.8V Regulator	1.8V power supply for IC15 core part
IC21	Decoder/SDRAM/Flash ROM/USB Driver 3.3V Regulator	Power supply for decoder, SDRAM, flash ROM and USB driver. 3.3V power supply for IC15 port parts, IC16, IC17, IC25, IC26 and IC28.
IC25	USB Host Controller	
IC26	Switching among IC15 & Flash ROM & SDRAM & USB	For DSP for Compression Audio Decoder, Flash ROM, SDRAM and USB
IC28	Clock SW	To SDRAM
Q3	Level Shift 3.3V→5V	
Q6,7	Level Shift 3.3V←5V	
Q8	APC (Auto Power Control)	
Q9,10	Anticipation Sub-beam Delay	During non-searching
Q16	Logic Inverter	μ-com "ZERO" terminal
Q17	USB Hi-side SW	
D2	Static Electricity Countermeasure	For IC2 built-in reset terminal
D3	Laser Diode Protection	
D9	Static Electricity Countermeasure	

MICROCOMPUTER'S TERMINAL DESCRIPTION

● SYSTEM μ-COM: IC101 on X34- (ELECTRIC UNIT)

Pin No.	Pin Name	I/O	Application	Truth Value Table	Processing / Operation / Description
1	$\overline{\text{ACC DET}}$	I	ACC power supply detection		L: ACC found, H: No ACC
2	$\overline{\text{BU DET}}$	I	Momentary power down detection		L: BU found, H: No BU or momentary power down
3	$\overline{\text{ILLUMI DET}}$	I	Dimmer illumination detection		L: ON, H: OFF
4	REMO	I	Remote control signal input		Detects pulse width
5	NC	-	Not used		Output L fixed
6	BYTE	-			
7	CNVSS	-			
8	XCIN	I	32.768kHz		
9	XCOUT	I	32.768kHz		
10	RESET	-			
11	XOUT	-	12.0MHz		
12	VSS	-			
13	XIN	-	12.0MHz		
14	VCC1	-			
15	NMI	-	Not used		
16	$\overline{\text{CN DET}}$	I	Panel communication detection		H: Panel opened, L: Panel closed
17	RDS CLK	I	RDS decoder clock input		
18	LX REQ S	I	Communication request from slave unit		
19	AUD MUTE	O	Mute control for IC10 and preout		
20	PWIC STBY	O	Power IC standby control		H: POWER ON, L: POWER OFF
21	PWIC SVR	O	SVR discharge circuit		SVR discharge circuit
22	PWIC MUTE	O	Power IC mute		STANDBY source or momentary power down: L TEL mute: L
23	LX REQ M	O	Communication request to slave unit		
24	LX CON	O	Start-up request to slave unit		H: Slave unit starts up, L: Slave unit stops
25	LX RST	O	Fouced reset to slave unit		H: Reset, L: Normal
26	PWIC BEEP	O	Beep output		
27	TUN SCL	I/O	Front-end I2C clock input and output		MAX400kHz
28	TUN SDA	I/O	Front-end I2C data input and output		
29	VFD DATA	I/O	VFD data input and output		Data input and output
30	VFD INT	I	VFD INT input		INT input
31	VFD CLK	O	VFD clock output		125kHz
32	VFD RST	O	VFD driver reset		H: Reset cancelled, L: Reset L: Momentary power down, panel detached or 11 minutes after ACC OFF
33	LX DATA M	I/O	Data to slave unit		
34	LX DATA S	I	Data from slave unit		
35	LX CLK	I/O	LX-BUS clock		
36	VFD KEY REQ	I	Communication request from VFD driver		Connects to INT
37	RDS AFS L 2	O	RDS mute output	①	H: Normal, L: FM/AM seek or AF search (L: Tuner SRC or Auto Zero) *Same process as RDS AFS L (Pin 38)
38	RDS AFS L	O	RDS mute output	①	H: Normal, L: FM/AM seek or AF search (L: Tuner SRC or Auto Zero)

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Truth Value Table	Processing / Operation / Description
39	EPM	I	Flash EPM input		
40	TUN SD	I	Search stop input		H: Station found, L: No station
41	TUN FANC OUT	O	Tuner block (in μ-com) check		H: E2P OK in test mode, L: E2P NG in test mode L: Normal
42	TUN ADJ	I	E2PROM writing request and IC10 adjustment		E2PROM writing at ADJ=H
43	NC	-	Not used		Output L fixed
44	VFD CE	O	VFD chip select control		
45	RDS QUAL	I	RDS decoder QUAL input		
46	RDS DATA	I	RDS decoder data input		
47,48	NC	-	Not used		Output L fixed
49	DSI	I/O	DSI/EJECT LED control		OFF: Hi-z, Pulse drive: Panel detached H: Illumination ON or panel opened (POWER ON)
50	$\overline{\text{EJECT}}$	I	Eject key input		L: Eject
51	ENC CCW	I	Encoder input (Counterclockwise)		Detects pulse width
52	ENC CW	I	Encoder input (Clockwise)		Detects pulse width
53	$\overline{\text{PON PANEL}}$	I/O	Panel 5V control		L: ON, Hi-Z: Momentary power down, panel detached or 11 minutes after ACC OFF
54~59	NC	-	Not used		Output L fixed
60	VCC2	-			
61	$\overline{\text{PON 5V}}$	O	SW5V control		L: POWER ON, H: POWER OFF
62	VSS	-			
63	CD DISC12 SW	I	12cm CD detection		
64	CD LOS SW	I	CD loading detection		
65	CD SCL	I/O	CD mechanism I2C clock output		
66	CD SDA	I/O	CD mechanism I2C data input and output		
67	CD MUTE	I	CD mute request		H: Normal, L: Mute request (CD playing time only)
68	$\overline{\text{CD MRST}}$	O	CD mechanism μ-com reset		H: Normal, L: Reset
69	$\overline{\text{CD MSTOP}}$	O	CD mechanism μ-com stop		H: Mechanism μ-com operates L: Mechanism μ-com stops
70	CD DISC8 SW	I	8cm CD detection (Not used)		
71	CD LOE LIM SW	I	CD detection (Chucking SW)		H: Loading completes, L: No disc
72	CD LOEJ	I/O	CD motor control	②	Refer to the truth value table
73	CD MOTOR	O	CD motor control	②	Refer to the truth value table
74	PANEL DET	I	Panel detection		L: No panel, H: Panel attached
75~77	NC	-	Not used		Output L fixed
78	TUN TYPE2	I	Destination setting	③	Refer to the truth value table
79	TUN TYPE1	I	Destination setting	③	Refer to the truth value table
80	RDS NOISE	I	FM noise detection		
81	TUN SMETER	I	S-meter input		
82	TYPE 3	I	Destination SW	④	Refer to the truth value table
83	TYPE 2	I	Destination SW	④	Refer to the truth value table
84	TYPE 1	I	Destination SW	④	Refer to the truth value table
85	LINE MUTE	I	Line mute detection		TEL mute: Below 1V , NAVI mute: Over 2.5V

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Truth Value Table	Processing / Operation / Description
86	PWIC DC DET	I	DC offset detection		If DC offset is found 10 times in 100m seconds with condition of over 1.0V, it will be judged as DC offset detected.
87	$\overline{\text{PON CD}}$	O	Power supply for CD mechanism and USB		L: POWER ON, H: POWER OFF
88	NC	-	Not used		Output L fixed
89	PON FL	O	FL+B control		H: FL+B ON, L: FL+B OFF
90	PS1 3	O	Power supply IC (IC1) control 1-3	⑤	Refer to the truth value table
91	PS1 2	O	Power supply IC (IC1) control 1-2	⑤	Refer to the truth value table
92	PS1 1	O	Power supply IC (IC1) control 1-1	⑤	Refer to the truth value table
93	PS2 2	O	Power supply IC (IC1) control 2-2	⑤	Refer to the truth value table
94	AVSS	-			
95	REF CON	O	VREF control		Connects to VREF
96	VREF	-			
97	AVCC	-			Connects to VCC
98	PS2 1	O	Power supply IC (IC1) control 2-1	⑤	Refer to the truth value table
99,100	NC	-	Not used		Output L fixed

Truth value table

① AFS CONTROL

	RDS AFS L	Condition
AFS LOW	L	No sound output with AF search
AFS MID	Hi-Z	Sound output with AF search
AFS HIGH	Hi-Z	Normal reception

② CD MOTOR CONTROL

	CD MOTOR	CD LOADING/EJECT
Stop	L	L
Load	H	L
Eject	H	H
Brake	H	Hi-z

③ TUNER TYPE

	TUN TYPE1 (Pin 79)	TUN TYPE2 (Pin 78)
Kenwood brand model	L	L
OEM model 1	L	H
OEM model 2	H	L
OEM model 3	H	H

④ DESTINATION SW

TYPE 1 (Pin 84)	TYPE 2 (Pin 83)	TYPE 3 (Pin 82)	DESTI-NATION	MODEL
L	H	L	E	KDC-W5534U/UY
H	H	L	E	KDC-W534UA/UAY/UG/UGY
L	L	L	K	KDC-MP532U
H	L	H	M	KDC-MP5033U
H	H	H	J	U515

⑤ POWER SUPPLY IC (IC1) CONTROL

SW1 (Pin 10)

PS1-1	PS1-2	PS1-3	AUDIO	P-CON	P-ANT
L	L	L	OFF	OFF	OFF
H	L	L	ON	OFF	OFF
L	H	L	ON	OFF	OFF
H	H	H	ON	ON	ON

SW2 (Pin 11)

PS2-1	PS2-2	ILLUMI	FM	AM
L	L	OFF	OFF	OFF
H	L	ON	ON	OFF
H	H	ON	ON	ON

MICROCOMPUTER'S TERMINAL DESCRIPTION

● MECHANISM μ-COM: IC1 (X32-: CD PLAYER UNIT)

Pin No.	Pin Name	I/O	Application	Processing / Operation / Description
1~5	NC	-	Not used	Opened output L fixed
6	BYTE	I	External data bus SW input	Connects to GND
7	CNVSS	I	Processor mode SW	L: Single chip mode H: Microprocessor mode or flash ROM writing
8	$\overline{\text{MUTE}}$	O	Audio mute control	L: Mute ON, H: Mute OFF
9	NC	-	Not used	Opened output L fixed
10	$\overline{\text{RESET}}$	I	Reset detection	L: Reset (Flash ROM writing), H: Normal
11	XOUT	O	Main clock output	Connects to resonator
12	VSS	-	Power supply input	Connects to GND
13	XIN	I	Main clock input	Connects to resonator
14	VCC1	-	Power supply input	Connects to BU3.3V
15	$\overline{\text{NMI}}$	I	NMI interruption input	Input Hi (Pull-up) fixed
16	$\overline{\text{MSTOP}}$	I	STANDBY comeback interrupption	L: Stop, H: Stop cancelled (Hi edge)
17	NC	-	Not used	Opened output L fixed
18	DSP INT	I	DSP interruption signal input	H: Interruption (Hi edge)
19~22	NC	-	Not used	Opened output L fixed
23	E2P SCL	I/O	E2P I2C clock output	Series resistors and E2PROM are not built when ROM collection is not used.
24	E2P SDA	I/O	E2P I2C data input and output	Series resistors and E2PROM are not built when ROM collection is not used.
25,26	NC	-	Not used	Opened output L fixed
27	SCL	I	System μ-com I2C clock input	
28	SDA	I/O	System μ-com I2C data input and output	
29	DSP TXD	O	Data output for DSP serial data	Flash ROM writing: TXD (Pull-up)
30	DSP RXD	I	Data input for DSP serial data	Flash ROM writing: RXD
31	DSP CLK	O	Clock output for DSP serial data	Flash ROM writing: SCLK (Pull-up)
32	DSP STB (BUSY)	O	DSP data strove signal output	Flash ROM writing: BUSY
33	CS SDATA	O	Data output for decoder serial data	
34	CS BDATA	I	Data input for decoder serial data	
35	CS CLK	O	Clock output for decoder serial data	
36~38	NC	-	Not used	Opened output L fixed
39	$\overline{\text{EPM}}$	-	Not used (Flash ROM: EPM)	Opened output L fixed
40	PON D3.3	O	D3.3V POWER ON control	H: POWER ON, L: POWER OFF
41	PON A5	O	A5.0V POWER ON control	H: POWER ON, L: POWER OFF
42	PON CS1	O	IC15 series 3.3V POWER ON control	H: POWER ON, L: POWER OFF
43	PON CS2	O	IC15 series 1.8V POWER ON control	H: POWER ON, L: POWER OFF
44	$\overline{\text{CE}}$	-	Not used (Flash ROM: CE)	Opened output L fixed
45	$\overline{\text{DRV MUTE}}$	O	Driver mute	L: Stop, H: Mute OFF
46,47	NC	-	Not used	Opened output L fixed
48	ZERO M	I	0-bit mute detection	H: Mute ON, L: Mute OFF (No distinction of Lch/Rch)
49	DE-EMPHASIS	O	DAC de-emphasis control	H: De-emphasis ON, L: De-emphasis OFF
50,51	NC	-	Not used	Opened output L fixed
52	LIM SW	I	Laser pick-up inner circumference detection SW signal input	H: Inner circumference

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Processing / Operation / Description
53	DISC NORMAL	O	Media discrimination result output (Not used)	H: Normal disc, L: Other disc
54	DISC H RW	O	Media discrimination result output (Not used)	H: High reflecting RW disc, L: Other disc
55	DISC RW	O	Media discrimination result output (Not used)	H: Normal RW disc, L: Other disc
56	TEST OUT4	O	Output for test	Opened output L fixed
57	TEST OUT3	O	Output for test	Opened output L fixed
58	TEST OUT2	O	Output for test	Opened output L fixed
59	TEST OUT1	O	Output for test	Opened output L fixed
60	VCC2	-	Power supply input	Connects to BU3.3V
61	TEST OUT0	O	Output for test	Opened output L fixed
62	VSS	-	Power supply input	Connects to GND
63~66	NC	-	Not used	Opened output L fixed
67	TEST IN3	I	TEST IN3	Pull-down connection (L: Normal/H: During test)
68	MODEL SEL	I	Model determination	L: DXM-6810W (X32-583), H: DXM-6820W (X32-587)
69	E2P WRITE	I	TEST IN1: E2P writing permission	Pull-down connection (L: Normal/H: During writing)
70	UNIQ ID	I	TEST IN0: Uniqe ID writing permission	Pull-down connection (L: Normal/H: During writing)
71~73	NC	-	Not used	Opened output L fixed
74	SEARCH	O	Searching situation output	H: During seaching, L: Normal
75,76	NC	-	Not used	Opened output L fixed
77	$\overline{\text{DSP RST}}$	O	DSP reset control	L: Reset, H: Normal
78	DSP A0	O	DSP command/parameter discrimination signal output	H: During parameter transmitting L: During command transmitting
79	DA EMPHASIS	I	DSP DA emphasis input	H: emphasis ON, L: emphasis OFF
80	ROM EMPHASIS	I	Decoder ROM emphasis input	H: emphasis ON, L: emphasis OFF
81	$\overline{\text{DATA MUTE}}$	O	Data output status	L: During data output muting, H: During data output
82	$\overline{\text{CS RST}}$	O	Decoder reset control	L: Reset, H: Nornal
83	NC	-	Not used	Opened output L fixed
84	SREQ	O	Decoder SREQ signal output	
85	BREQ	I	Decoder BREQ signal input	
86~93	NC	-	Not used	Opened output L fixed
94	AVSS	-	Analog power supply input	Connects to GND
95	NC	-	Not used	Opened output L fixed
96	VREF	-	Reference voltage input	Not used: Connects to GND
97	AVCC	-	Analog power supply input	Connects to BU3.3V
98~100	NC	-	Not used	Opened output L fixed

TEST MODE

● How to enter the test mode

Press and hold the [1] and [3] keys and reset.
(While "– – – –" is being displayed, power can be ON for 30 minutes.)

● How to clear the test mode

Reset, momentary power down, Acc OFF, Power OFF, detach the panel.

● Test mode default condition

- Source is STANDBY.
- Display lights are all turned on.
- The volume is at -10dB (The display is 30).
- LOUD is OFF.
- CRSC is off regardless of the availability of switching function.
- SYSTEM Q is NATURAL (=FLAT).
- BEEP should always function when the key is pressed.
- TUNER mode [4] key frequency shall be 98.3MHz.

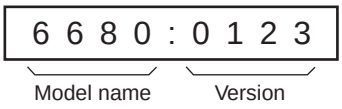
● RDS automatic measurement

Conventionally, the PS display has been visually checked on the production line. This will be replaced by a new processing. The PS data will be received and the PS contents is to be verified as "RDS_TEST". When this is verified, the P-CON terminal is forced to go OFF. (In this case, " _ " means blank.)

→ This will be a dedicated test mode processing.
On the P-CON, when power is turned off once and, then, turned on again, (Power OFF → ON) the unit will be restarted.

● CD receiver test mode specification

- Display mode default setting shall be P-TIME.
- Jumps to the following tracks by pressing the [▶▶I] key.
  No. 9 → No. 15 → No. 10 → No. 11 → No. 12 → No. 13 → No. 22 → No. 14 → No. 9 (recursive)
  Note that when playing an MP3 / WMA / AAC disc with 8 files or less, the disc is played from the 1st track in the normal order.
- Pressing the [I◀◀] key goes back by 1 track from the track being played.
- When playing an MP3 / WMA / AAC disc, display the file format before starting to play each file. ("MP3", "WMA", "AAC")
- While in CD source, press the [1] key to jump to No. 28.
- While in CD source, press the [2] key to jump to No. 14.
- While in CD source, press the [3] key to display the CD mechanism model name and the version. Press the [3] key again to go back to the normal screen. (Time code display)



- When CD is the source, press the [6] key to jump to No. 15. At this time, the volume value is set to 25 (2V PRE).

● USB source test mode specification

- While in USB source, press the [6] key to set volume value to 15.

● AUDIO adjust mode

- Press the [AUD] key and enter the audio adjustment mode.
- Press the remote control [∗] key and [AUD] key to go into the audio adjustment mode.
- Both AUDIO FUNCTION MODE and SETUP MODE adjustment items are included.
- By pressing [AUD] key and then [FM] key, switch the item to be adjusted in the following order. (Only in forward rotation)
  The default item shall be Fader, and then the item is forwarded in the following order: Balance → Bass Level → Middle Level → Treble Level (thereafter arbitrary).
- Continuous forwarding by remote control is prohibited.
- Fader is adjusted by the VOL knob and [I◀◀] / [▶▶I] keys in 3 steps: R15 ↔ 0 ↔ F15. (Default value: 0)
- Balance is adjusted by the VOL knob and [I◀◀] / [▶▶I] keys in 3 steps: L15 ↔ 0 ↔ R15. (Default value: 0)
- Bass/Middle/Treble Level are adjusted by the VOL knob and [I◀◀] / [▶▶I] keys in 3 steps: -8 ↔ 0 ↔ +8. (Default value: 0)
- Volume Offset is adjusted by the VOL knob and [I◀◀] / [▶▶I] keys in 2 steps: -8 ↔ 0. (Default value: 0)
- Loudness ON/OFF is adjusted by the VOL knob and [I◀◀] / [▶▶I] keys in 2 steps: OFF ↔ ON. (Default value: OFF)

● MENU

- Press the [Q] key to enter the MENU.
- Press the remote control [DNPP/SBF] key or the [DIRECT] key to enter the MENU.
- Continuous forwarding by remote control is prohibited.
- Initial item in CD/USB source is "F/W Version".

● Backup current measurement

If reset while in Acc OFF (Back Up ON) condition, MUTE terminal goes off 2 seconds later, rather than 15 seconds. (During this time, the CD mechanism does not function.)

TEST MODE

● Initializing AUDIO-related setting value

Press the [▶▶I] key in the STANDBY source and reset the AUDIO setting value to the test mode default value.

● Other

- When Power ON, do not display “CODE_OFF” and “CODE_ON”.
- When the source is STANDBY, press [AUTO] or [TI] key to switch key illumination GREEN/RED. (in the model with ILLUMI switching function)
- When started in Test Mode, duration of prohibiting LINE MUTE shall be changed from 10 seconds to 1 second.
- When in test mode, do not write security code by security jig.
- While in Test Mode, serial number is not written with a serial-number-writing jig.
- When in Test Mode, when DC offset error detection is run, the detection information is not written into the E2PROM.
- DEMO mode shall not be operated while in Test Mode, CD Mechanism Error Log Data Clearing Mode, or DC Offset Error Detection Data Clearing Mode.
  Also, do not display DEMO ON/OFF option items in the MENU in STANDBY source in the above modes.

● Special displays while all lights are on

When all lights are on with STANDBY source, if the following keys are pressed, the following messages are displayed.

[1] key	Version is displayed (forwarding) (Display) TYPE : x_ _ _ (“x” is displayed in hexadecimals) → 519K – 2.02 (“development ID” – “version”) → all lights on → ∗ TYPE indicates μ-com destination, and shows real-time condition of the destination terminal.
[2] key	Serial No. is displayed (8 digits) (Display) xxxxxxxx
[3] key	Key pressed: Power ON time is displayed. While Power ON time is displayed, press and hold for 2 seconds or longer to clear the Power ON time. (Display) PON_0Hxx (00~50 is displayed for “xx”. When less than 1 hour, display by increment of 10 minutes.) xxxxx (00001~10922 is displayed for “xxxxx”) MAX 10922 (hours)
[4] key	Key pressed: CD operation time is displayed. Press the key for more than 2 seconds while the CD operation time is displayed to clear CD operation time. (Display) CDT_0Hxx (00~50 is displayed for “xx”. When less than 1 hour, display by increment of 10 minutes.) xxxxx (00001~10922 is displayed for “xxxxx”) MAX 10922 (hours)
[5] key	Key pressed: Number of CD EJECT time is displayed. While the CD EJECT times is displayed, press and hold for 2 seconds or longer to clear the number of CD EJECT times. (Display) EJCxxxxx MAX 65535 (times)
[6] key	Key pressed: Number of times PANEL is opened/closed is displayed. Press the key for more than 2 seconds while the PANEL open/close count is displayed to clear the PANEL open/close count. (Display) PC_xxxxx MAX 65535 (times)
[FM] key	ROM correction version is displayed (Display) ROM_R123 ROM_ERR_ (When E2PROM is not installed) ROM_R – – – (When not written in) ROM_R ∗ ∗ ∗ (When data not matching)
[AM] key	IC10 adjustment status “E2P_OK”: Adjustment completed “E2P_ER”: E2PROM values are still default (not determined) “I2C_ER” : Cannot communication with IC10/E2PROM ∗ If “E2P_OK”, Pin 41 (TUN FANC OUT) should be output as “H”.
[▶▶I] key	AUDIO data initialization (Display) AUD_INIT
[I◀◀] key	Key pressed: Forced Power OFF data displayed. While the forced power OFF data is displayed, press and hold for 2 seconds or longer to clear the data. (Display) POFF_ – – – (No Forced Power OFF) SEC (Forced Power OFF because of missing Security Code) PNL (Forced Power OFF because of system μ-com and panel communication error)

TEST MODE

[▶II] key	Key pressed: CD information display mode ON/OFF While in CD information display mode, press and hold for 2 seconds or longer to clear all CD information. ∗ Please refer to the next table.

CD information display mode

	I2C communication condition display (Display) I2C_OK_ _ NG
[AM] key ↑	CD mechanism error log display (switched by [I◀◀] / [▶▶I] keys) (Display) MCERR1: x x ↔ MCERR2: x x ↔ MCERR3: x x ↔ MCERR1: x x ↔ ("– –" or the error code is displayed for "xx")
	CD loading error log display (switched by [I◀◀] / [▶▶I] keys) (Display) LDERR1: x x ↔ LDERR2: x x ↔ LDERR1: x x ↔ (Number of times is displayed for "xx") MAX 99 (times)
	CD ejection error log display (switched by [I◀◀] / [▶▶I] keys) (Display) EJERR1: x x ↔ EJERR2: x x ↔ EJERR3: x x ↔ EJERR4: x x ↔ EJERR1: x x ↔ (Number of times is displayed for "xx") MAX 99 (times)
	CD time code error count data display (missing counts) (switched by [I◀◀] / [▶▶I] keys) (Display) CNT_LOSE ↔ CDDA_ _: xx ↔ CDROM_: xx ↔ CNT_LOSE ↔ (Number of times is displayed for "xx") MAX 99 (times)
↓ [FM] key	CD time code error count data display (count not updated) (switched by [I◀◀] / [▶▶I] keys) (Display) CNT_STAY ↔ CDDA_ _: xx ↔ CDROM_: xx ↔ CNT_STAY ↔ (Number of times is displayed for "xx") MAX 99 (times)

● Clearing CD mechanism information and service information (E2PROM data clearing)

1. While pressing the [Q] key and [ATT] key, reset-start to start CD mechanism and service information initialization.
   (While "– – – –" is being displayed, power can be ON for 30 minutes.)
   [CD mechanism information]
   • Displays I2C communication condition
   • Displays CD mechanism error log
   • Displays CD loading error data.
   • Displays CD ejection error data
   • Displays CD time code error count data (missing count)
   • Displays CD time code error count data (count not updated)
   [Service information]
   • Displays power ON time is displayed
   • Displays CD operation time
   • Displays number of CD EJECT times
   • Displays number of times panel was opened/closed
   • Displays forced Power OFF data
2. After the initialization process is completed, the following is displayed.
   When successfully completed : "CD_O_ _ _"
   When finished but unsuccessful : "CD_X_ _ _"
   ∗ CD mechanism information clearing is no good.
3. This mode is cancelled by resetting. (The last screen will not be retained.)

● Clearing DC offset error detection data (E2PROM data clearing)

If DC voltage difference (DC offset error) is detected between audio power amplifier (power IC) ± outputs, "DC_ERR_" is displayed on the display. When this occurs, the audio is forced-mute and the display displays only "DC_ERR_".
Once this product detected a DC offset error, even if it is re-started (or reset), its display displays "DC_ERR_".
However, if the error is detected while in Test Mode, it is not saved in E2PROM.

1. Press and hold [3] and [6] keys and reset-start to go into the DC offset error display mode.
   (While "– – – –" is being displayed, power can be ON for 30 minutes.)
2. While in STANDBY source, the current DC offset error condition is displayed.
   When detected : "DC_ERR_ _"
   When not detected : "DC_OK_ _ _"
3. While error condition is being displayed, press [AUTO] key to clear the detection data. (Clear E2PROM)
4. DC offset error display mode is cancelled by resetting. (The last screen will not be retained.)

TEST MODE

● FM/AM channel space switching (KDC-MP5033U/MP532U only)

While power is OFF, press and hold [1] and [5] keys, and press [SRC] key to power ON.

● IC10 (X34-) Stereo adjustment (VCO adjustment)

While in test mode and all lights are lit (STANDBY), press and hold [1] key and press [6] key for 3 seconds or longer.
"VCO ADJ" will be displayed for a second.
(Adjusted data will be written on E2PROM.)

● Security

1) How to enter the forced POWER ON mode

While "– – – –" is being displayed, while simultaneously pressing [Q] key and [4] key, press [RESET] button, With this, it is possible to turn the power on for 30 minutes only.

2) How to register the security code on the "Car Audio Passport" sheet after replacing E2PROM (IC103) (For models of destination "E" or "M")

1. Enter the test mode. (Refer to "How to enter the test mode".)
2. In the test mode, press [Q] key to enter the MENU mode. When "CODE_SET" is displayed, press [▶▶I] key for 1 second or longer to enter the security registration mode.
3. Input the security code, using [FM] / [AM] / [I◀◀] / [▶▶I] keys.
   [FM] key: number up / [AM] key: number down
   [▶▶I] key: cursor to right / [I◀◀] key: cursor to left
4. After inputting the code, press [▶▶I] key for 3 seconds or longer which causes "RE-ENTER" to be displayed. This is for "confirming" the code. Use the method in the step 3 to re-enter the code.
5. Then, press [▶▶I] key for 3 seconds or longer, which will display "APPROVED". This completes the security code registration.
6. Release the test mode. (Refer to "How to clear the test mode".)

∗ All clear cannot be used to clear the security code.

3) How to clear the programmable security code (KDC-MP532U only)

1. While "– – – –" is being displayed, press [▶▶I] key for 3 seconds or longer while pressing the [AUTO] key. This makes the "– – – –" display disappear.
2. Input "KCAR", using the remote controller.
   Press [5] key of the remote controller twice (Input for "K") and press [▶▶I] key.
   Press [2] key of the remote controller 3 times (Input for "C") and press [▶▶I] key.
   Press [2] key of the remote controller once (Input for "A") and press [▶▶I] key.
   Press [7] key of the remote controller twice (Input for "R") and press [▶▶I] key.
3. The security is cleared and the unit enters STANDBY source.
4. If wrong codes are input, "– – – –" will be displayed again.

ADJUSTMENT

1. IC10 (X34-) -The Tuner adjustment method

- When IC10 and its circumference are repaired, according to the following order, it readjusts if needed.
- The adjustment item changes with parts to exchange. Please refer to "Parts vs Adjustment item table".

1-1. VCO coil adjustment - adjustment of tunning voltage

Voltage Check Point : Vt-Check Land
(PWB Side B, around D506)
Adjustment Coil : L507 (VCO Coil)
The adjustment method : VCO coil is turned and adjusted according to the following tables.

Type	Mode	freq.	Voltage	Fig.
E/M	AM	1611kHz	5.5 ± 0.1(V)	2, 3 (C)
K	AM	1700kHz	5.8 ± 0.1(V)	2, 3 (C)
J	FM	90.0MHz	5.6 ± 0.1(V)	2, 3 (C)

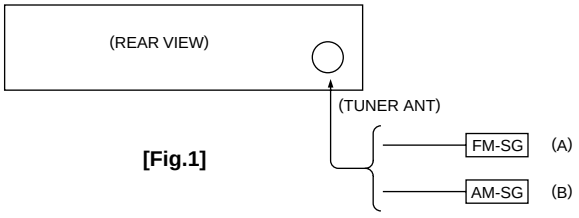
M : AM Adjustment
For Your Information : The frequency of this unit is only set up by preset key in case this adjustment

1-2. Adjustment of 1st & 2nd-MIX coil

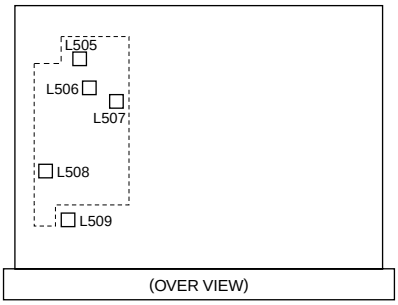
Voltage Check Point : S-METER-Check Land
(PWB Side B, around R216)
Adjustment Coil : 1st IFT=L508 / 2nd IFT=L509
Setting of Signal Generator : Refer to the following tables

Type	Mode	freq.	Mod.	ANT Input	Fig.
K	AM	1000kHz	OFF	35dBμEMF	1~3 (B),(C)
E/M/J	AM	999kHz	OFF	35dBμEMF	1~3 (B),(C)

①The appearance and the coil with which S-METER DC voltage serves as the maximum are turned and adjusted in the above-mentioned SG input.
②By the above-mentioned adjustment method, same adjustment is performed to both sides (1st & 2nd MIX Coil).



[Fig.1]



[Fig.2]

1-3. Adjustment of FM ANT & RF coil

Voltage Check Point : S-METER-Check Land
(PWB Side B, around R216)
Adjustment Coil : ANT Coil = L505
RF Coil = L506
Setting of Signal Generator : Refer to the following tables

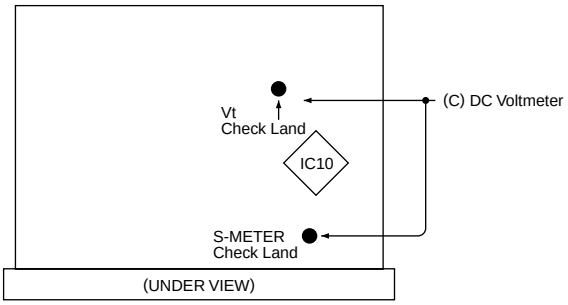
Type	Mode	freq.	Mod.	ANT Input	Fig.
E/M	FM	87.5MHz	OFF	5dBμV or 11dBμEMF	1~3 (A),(C)
K	FM	87.9MHz	OFF	5dBμV or 11dBμEMF	1~3 (A),(C)
J	FM	76.0MHz	OFF	5dBμV or 11dBμEMF	1~3 (A),(C)

①The appearance and the coil with which S-METER DC voltage serves as the maximum are turned and adjusted in the above-mentioned SG input.
②By the above-mentioned adjustment method, same adjustment is performed to both sides (ANT & RF Coil).

1-4. Adjustment of STEREO (adjustment of 456k-VCO)

Adjust in TEST MODE

- How to enter the test mode
  Refer to “TEST MODE”.
- Adjustment method
  While in test mode and all lights are lit (STANDBY), press and hold [1] key and press [6] key for 3 seconds or longer. (Adjusted data will be written on E2PROM.)
  Effect of adjustment is in cofirmation of adjustment status at Preset [AM] key.
- Display of Preset [AM]
  Adjustment OK: “E2P OK” (14-segment display model)
  Adjustment NG: “E2P ER” (14-segment display model)
- How to clear the test mode
  Refer to “TEST MODE”.



[Fig.3]

ADJUSTMENT

2. IC10 (X34-) Replacement - Parts vs Adjustment Item Table

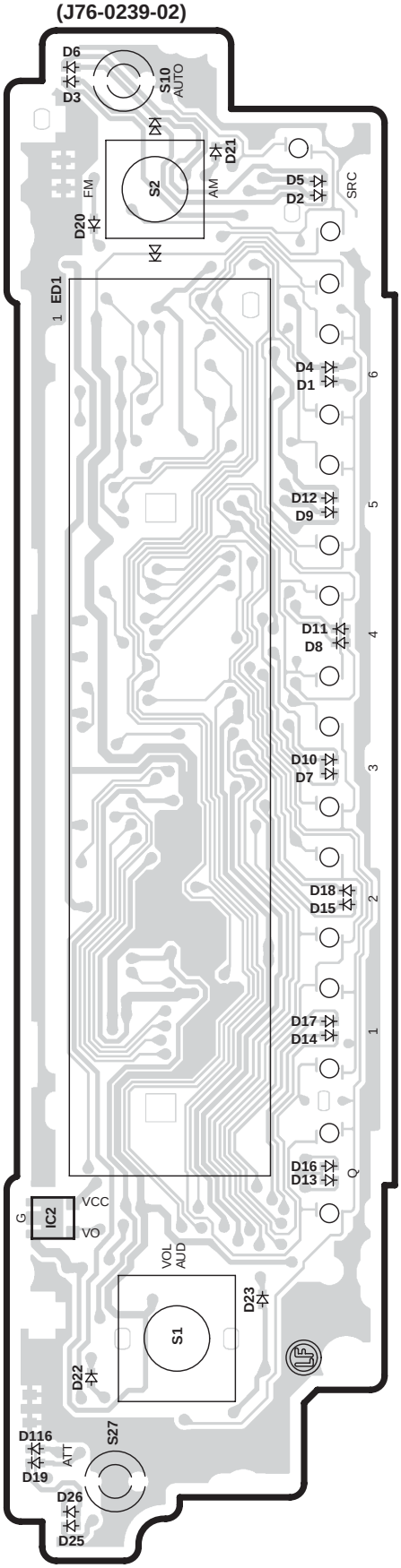
- When the parts in the following tables are exchanged, please readjust according to a table.
- When other parts are exchanged, please perform only a check of operation. There is no necessity for readjustment.

Replacement parts		Adjustment Item					
Ref. Number	Parts Name	VCOVt	1st MIX	2nd MIX	ANT Coil	RF Coil	Stereo
IC10	E-VOL & Tuner	YES	YES	YES	YES	YES	YES
IC103	E2PROM	YES	YES	YES	YES	YES	YES
L505	Antenna Coil				YES		
L506	RF Coil					YES	
L507	VCO Coil	YES	YES	YES	YES	YES	
L508	1st MIX Coil		YES				
L509	2nd MIX Coil			YES			
D504	Variable Capacitance Diode	YES	YES	YES	YES	YES	
D505	Variable Capacitance Diode	YES	YES	YES	YES	YES	
D506	Variable Capacitance Diode	YES	YES	YES	YES	YES	
X501	X'tal						

- The " YES " mark shows that the adjustment is need.

PC BOARD (COMPONENT SIDE VIEW)

SWITCH UNIT X16-373x-xx (J76-0239-02)

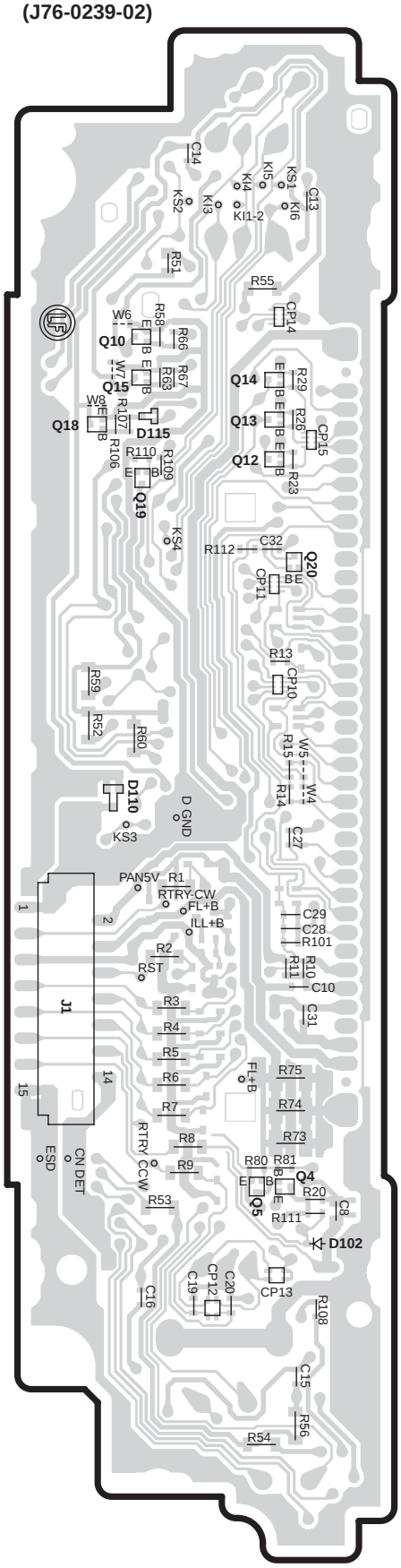


X16-373x-xx

Ref. No.	Address
IC2	6A

(FOIL SIDE VIEW)

SWITCH UNIT X16-373x-xx (J76-0239-02)



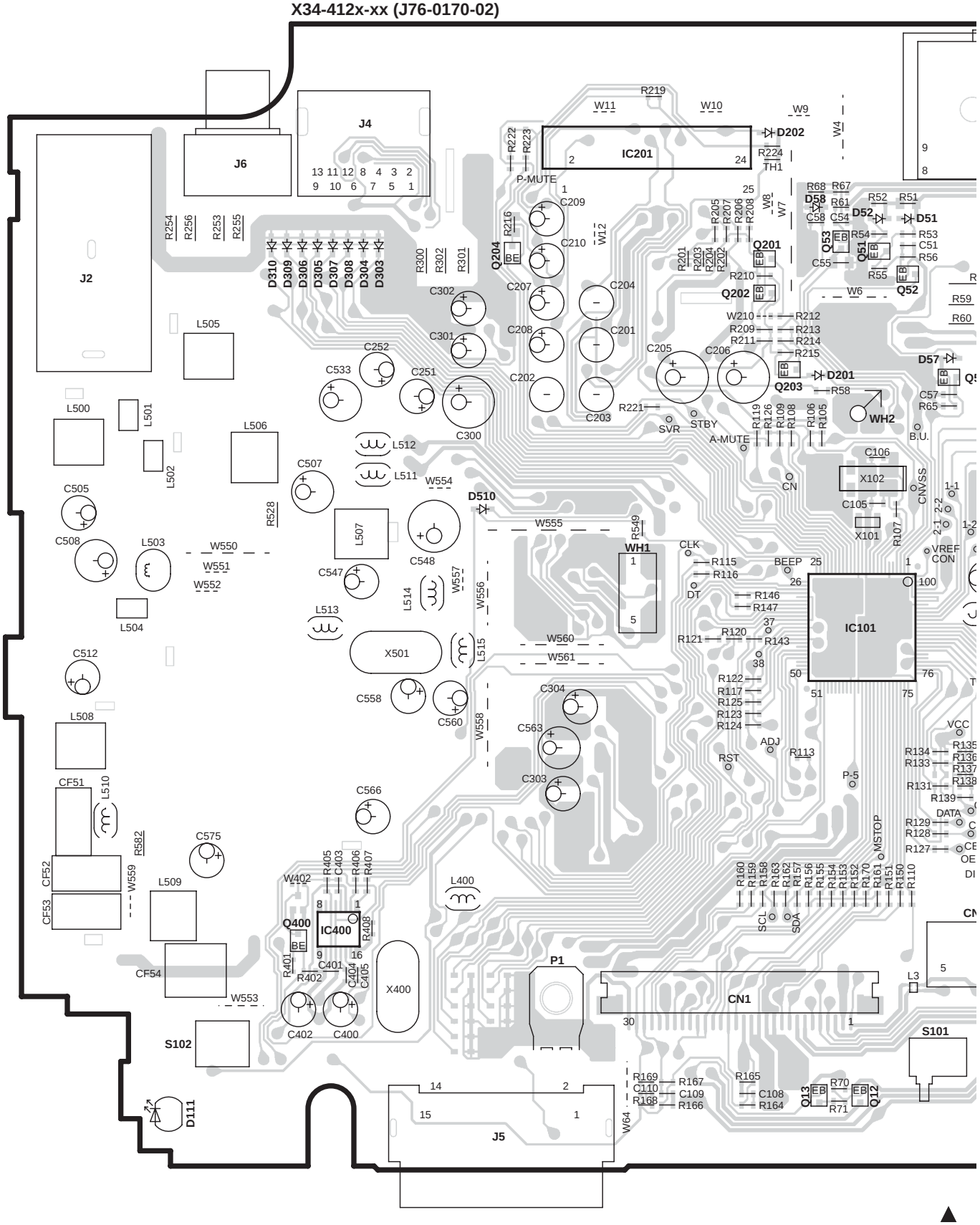
X16-373x-xx

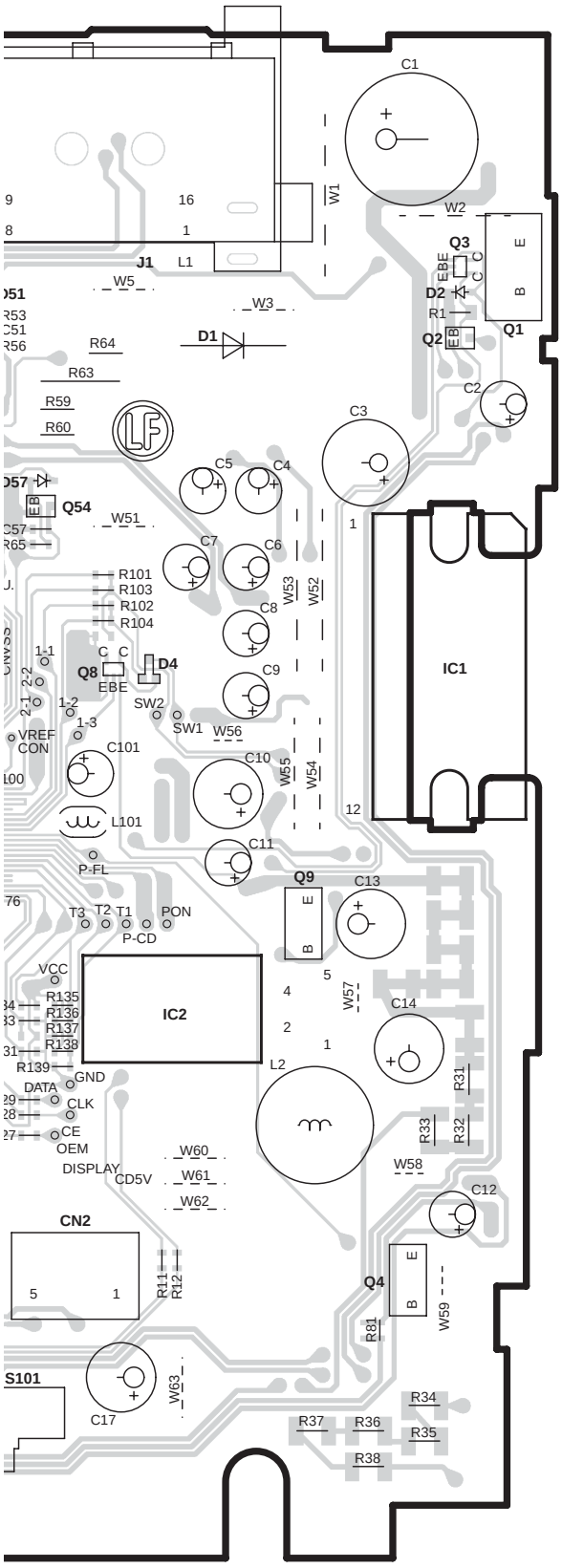
Ref. No.	Address
Q4	6D
Q5	6D
Q10	3C
Q12	3D
Q13	3D
Q14	3D
Q15	3C
Q20	3D

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

PC BOARD (COMPONENT SIDE VIEW)

ELECTRIC UNIT
X34-412x-xx (J76-0170-02)





X34-412x-xx

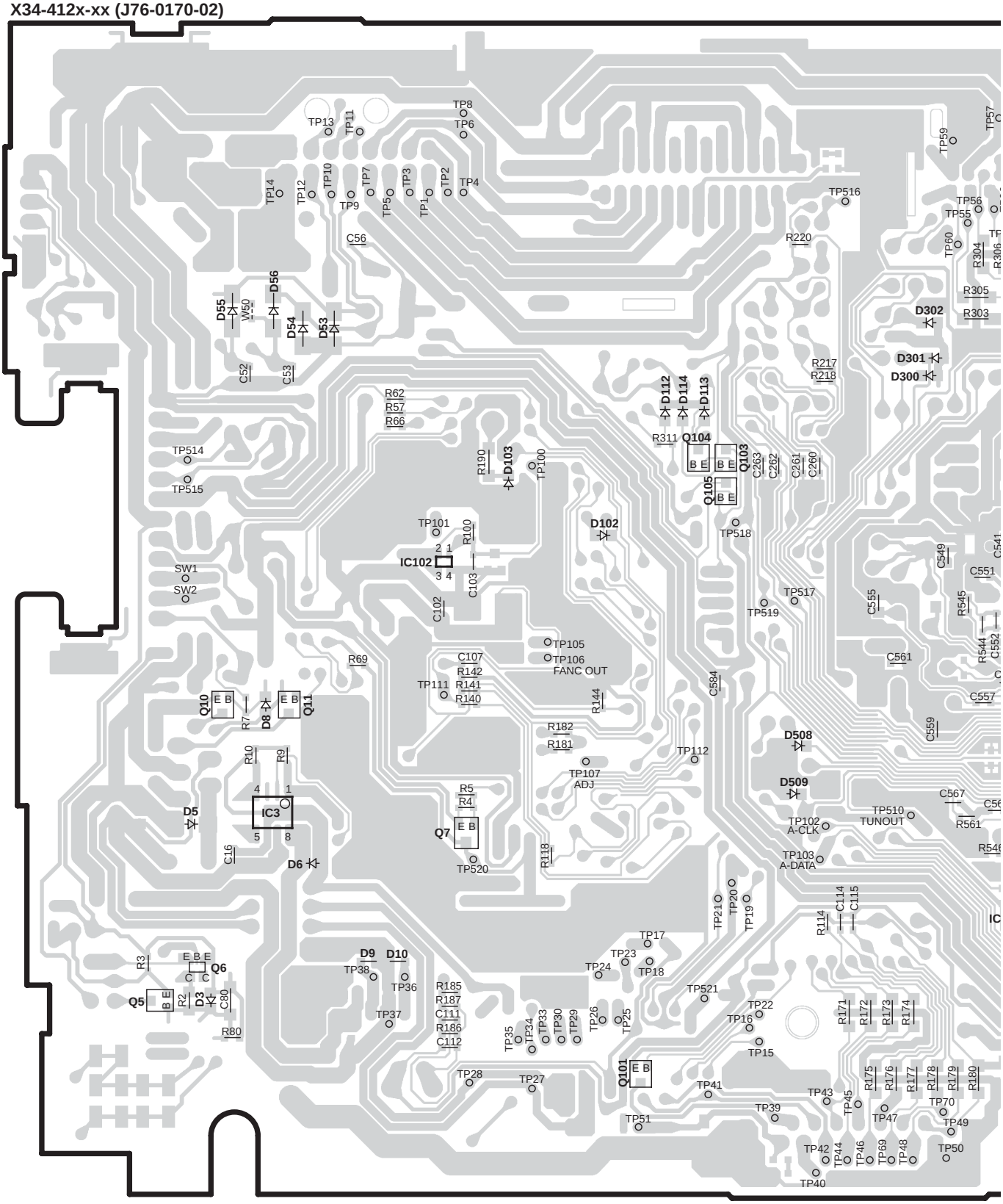
Ref. No.	Address
IC1	4L
IC2	5K
IC101	4J
IC201	2I
IC400	6G
Q1	2L
Q2	3L
Q3	2L
Q4	6L
Q8	4K
Q9	4L
Q12	6J
Q13	6J
Q51	3J
Q52	3J
Q53	2J
Q54	3K
Q201	2I
Q202	3I
Q203	3J
Q204	3H
Q400	6G

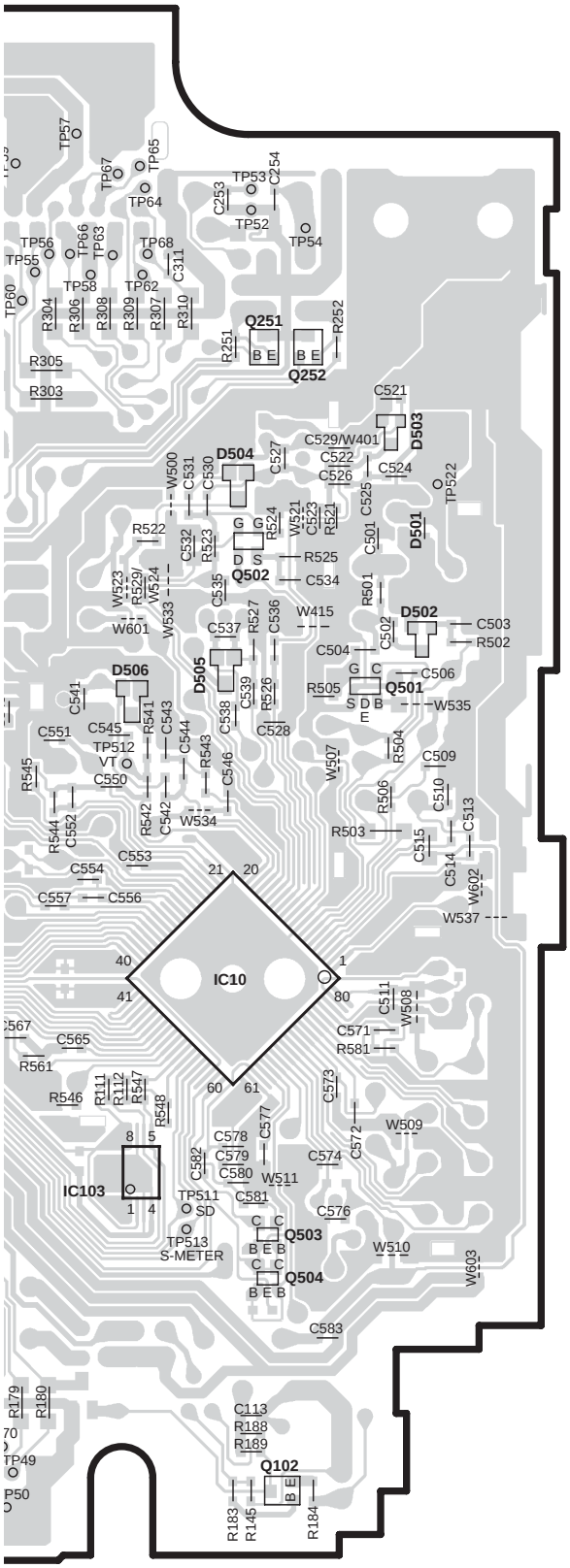
Refer to the schematic diagram for the values of resistors and capacitors.

KDC-MP5033U/MP532U
KDC-W534UA/UAY/UG/UGY/W5534U/UY

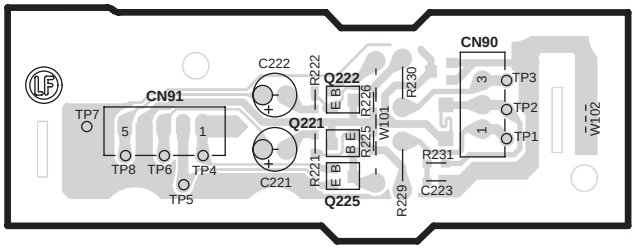
PC BOARD (FOIL SIDE VIEW)

ELECTRIC UNIT
X34-412x-xx (J76-0170-02)





DAUGHTER UNIT
X89-2902-70 (J76-0236-02)



X89-2902-70

Ref. No.	Address
Q221	2X
Q222	2X
Q225	2X

X34-412x-xx

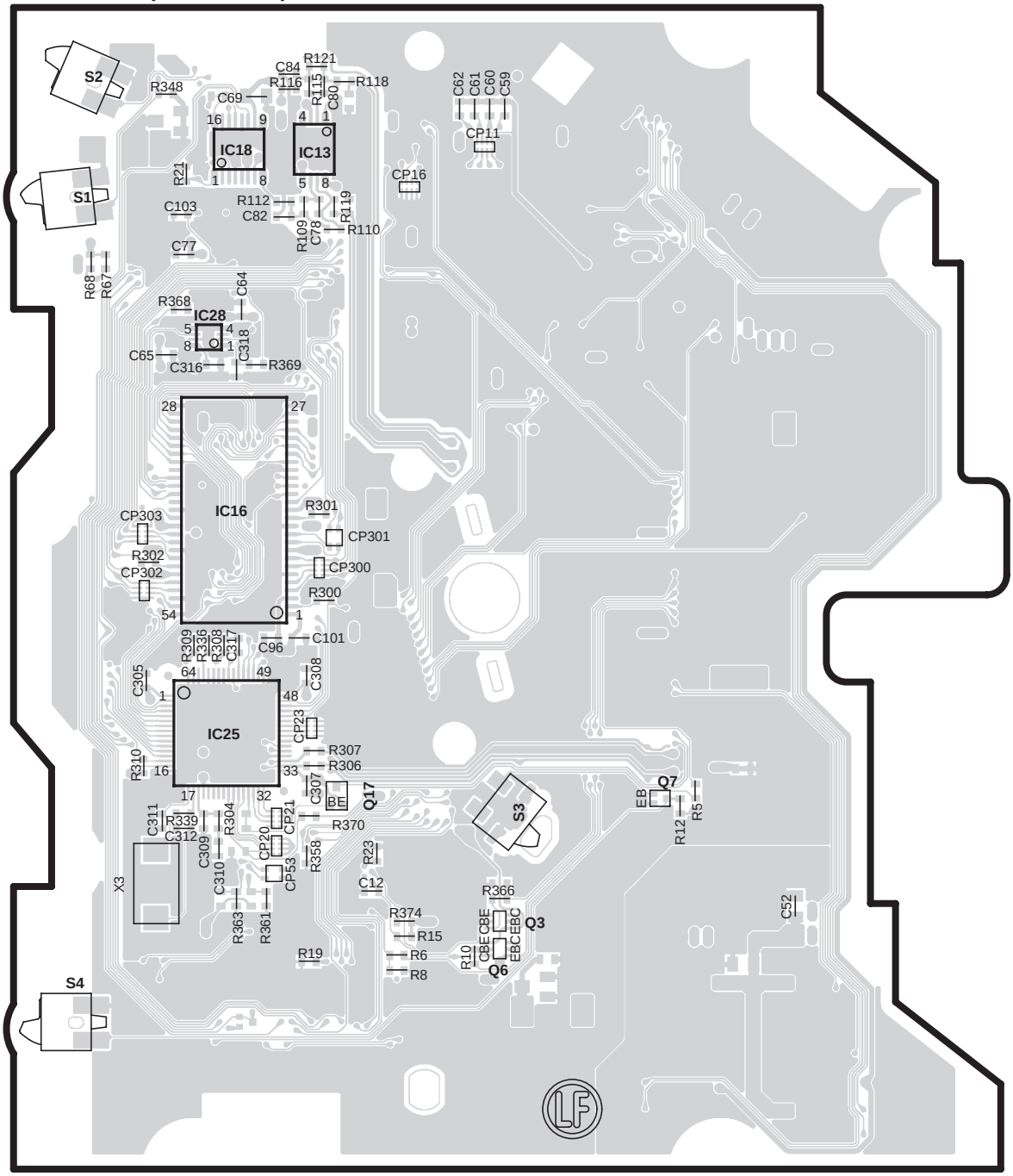
Ref. No.	Address
IC3	5Q
IC10	5U
IC102	4R
IC103	5U
Q5	6P
Q6	6Q
Q7	5R
Q10	5Q
Q11	5Q
Q101	6S
Q102	6U
Q103	3S
Q104	3S
Q105	4S
Q251	3U
Q252	3V
Q501	4V
Q502	3U
Q503	6V
Q504	6V

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

KDC-MP5033U/MP532U
KDC-W534UA/UAY/UG/UGY/W5534U/UY

PC BOARD (COMPONENT SIDE VIEW)

CD PLAYER UNIT
X32-5830-00 (J76-0184-02)



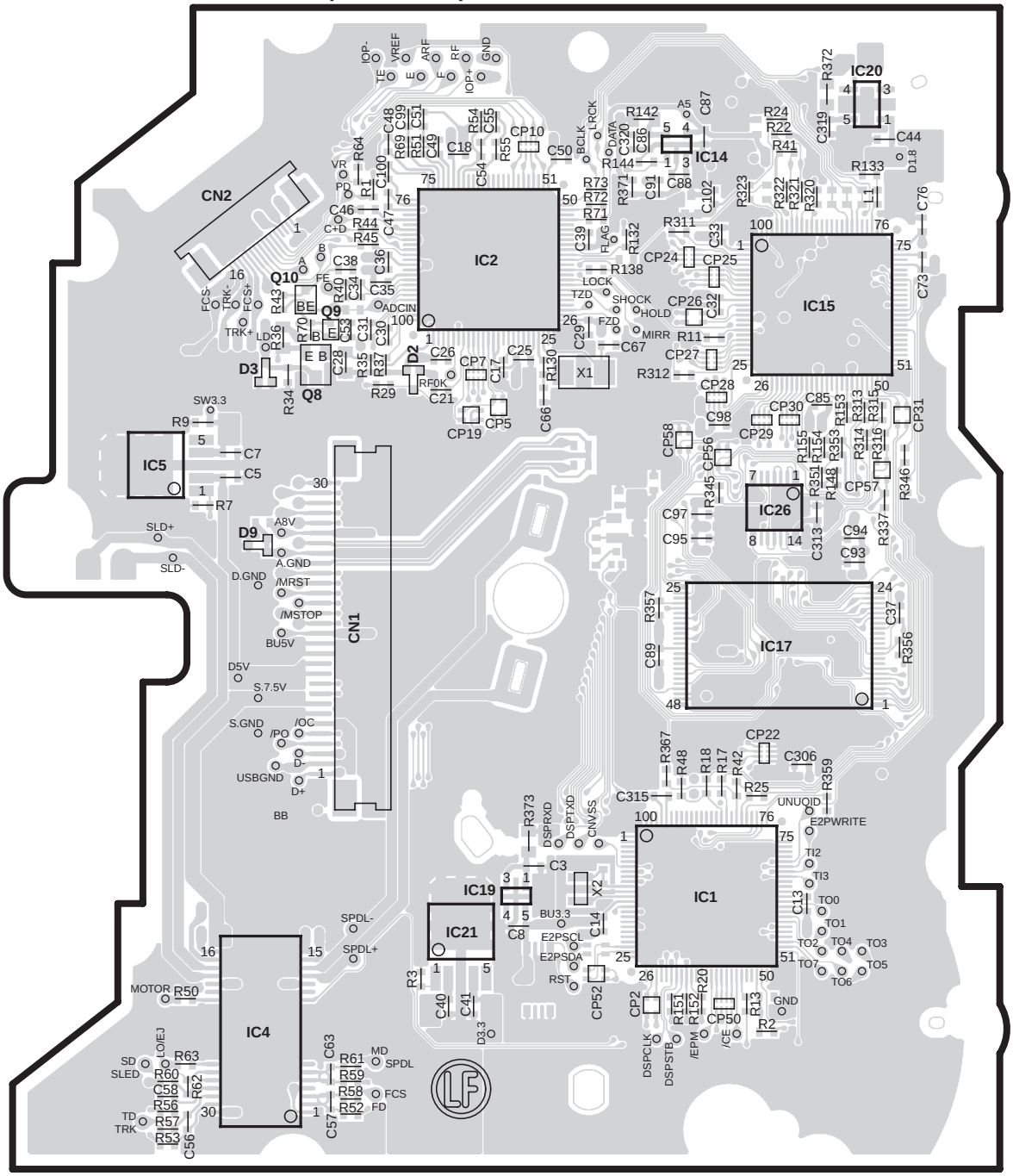
X32-5830-00

Ref. No.	Address	Ref. No.	Address
IC13	2AA	Q3	5AB
IC16	3AA	Q6	5AB
IC18	2AA	Q7	4AC
IC25	4AA	Q17	5AB
IC28	3AA		

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

PC BOARD (FOIL SIDE VIEW)

CD PLAYER UNIT
X32-5830-00 (J76-0184-02)

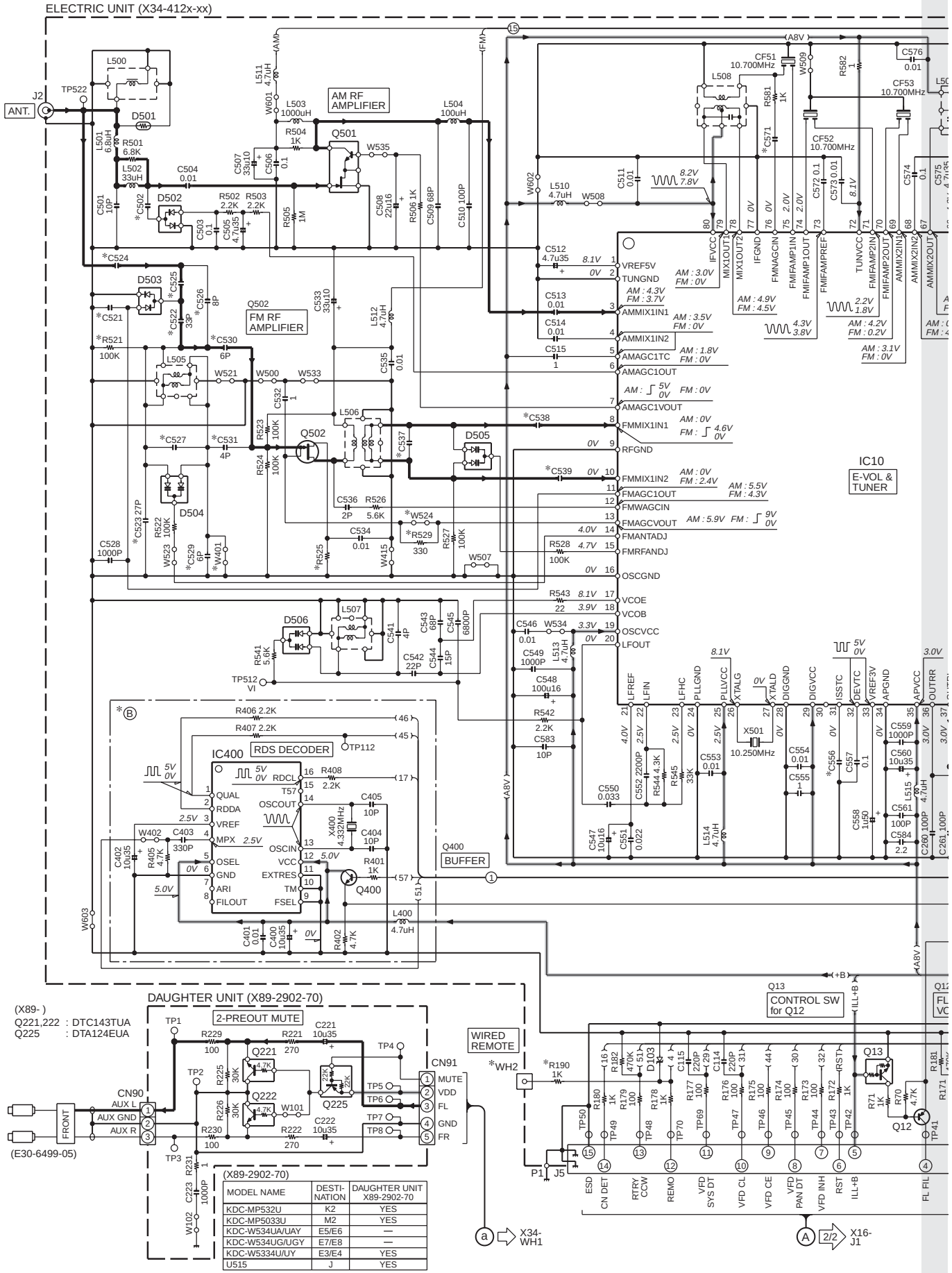


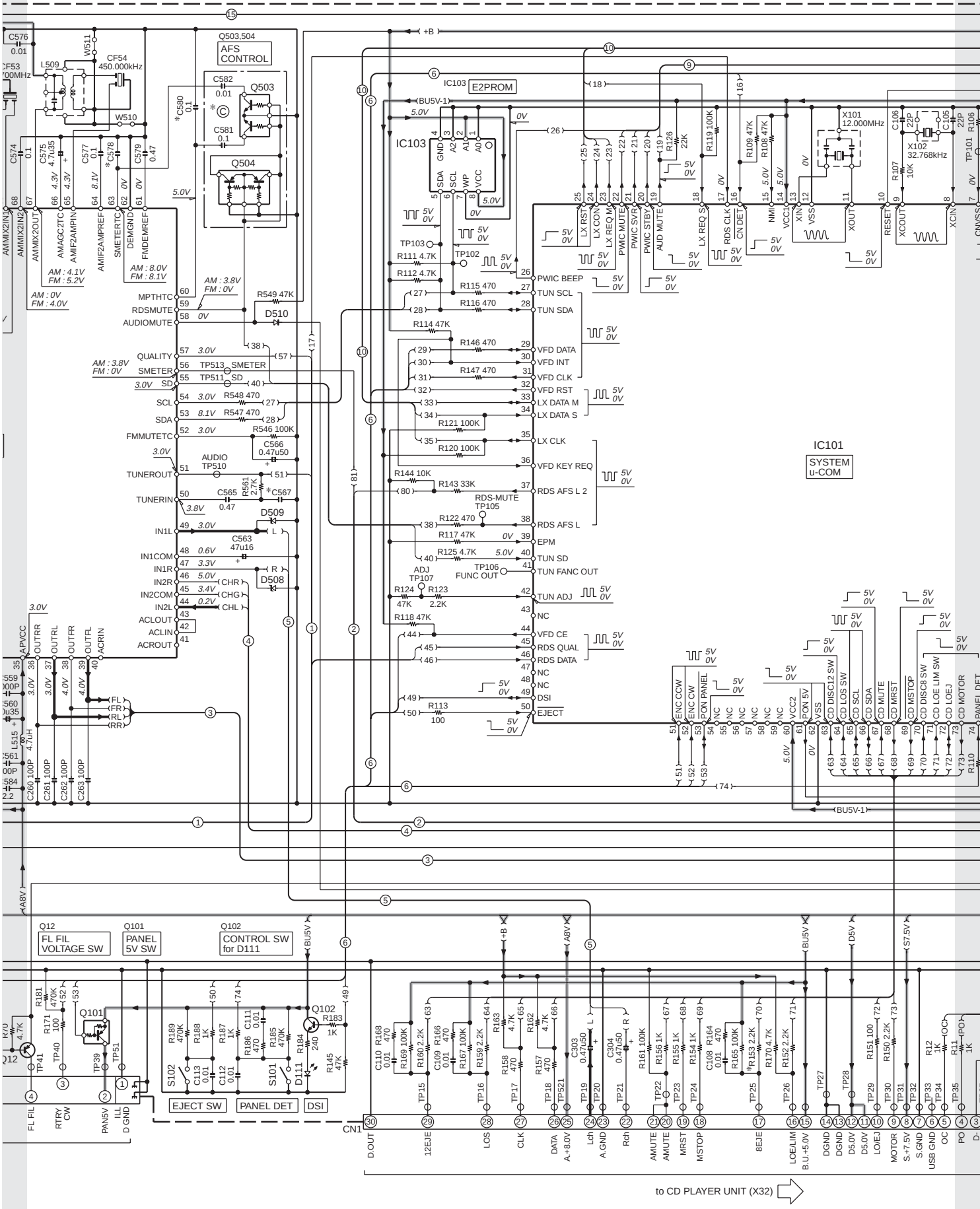
X32-5830-00

Ref. No.	Address	Ref. No.	Address
IC1	5AH	IC19	5AG
IC2	2AG	IC20	2AH
IC4	5AF	IC21	5AG
IC5	3AE	IC26	3AH
IC14	2AH	Q8	3AF
IC15	3AH	Q9	3AF
IC17	4AH	Q10	2AF

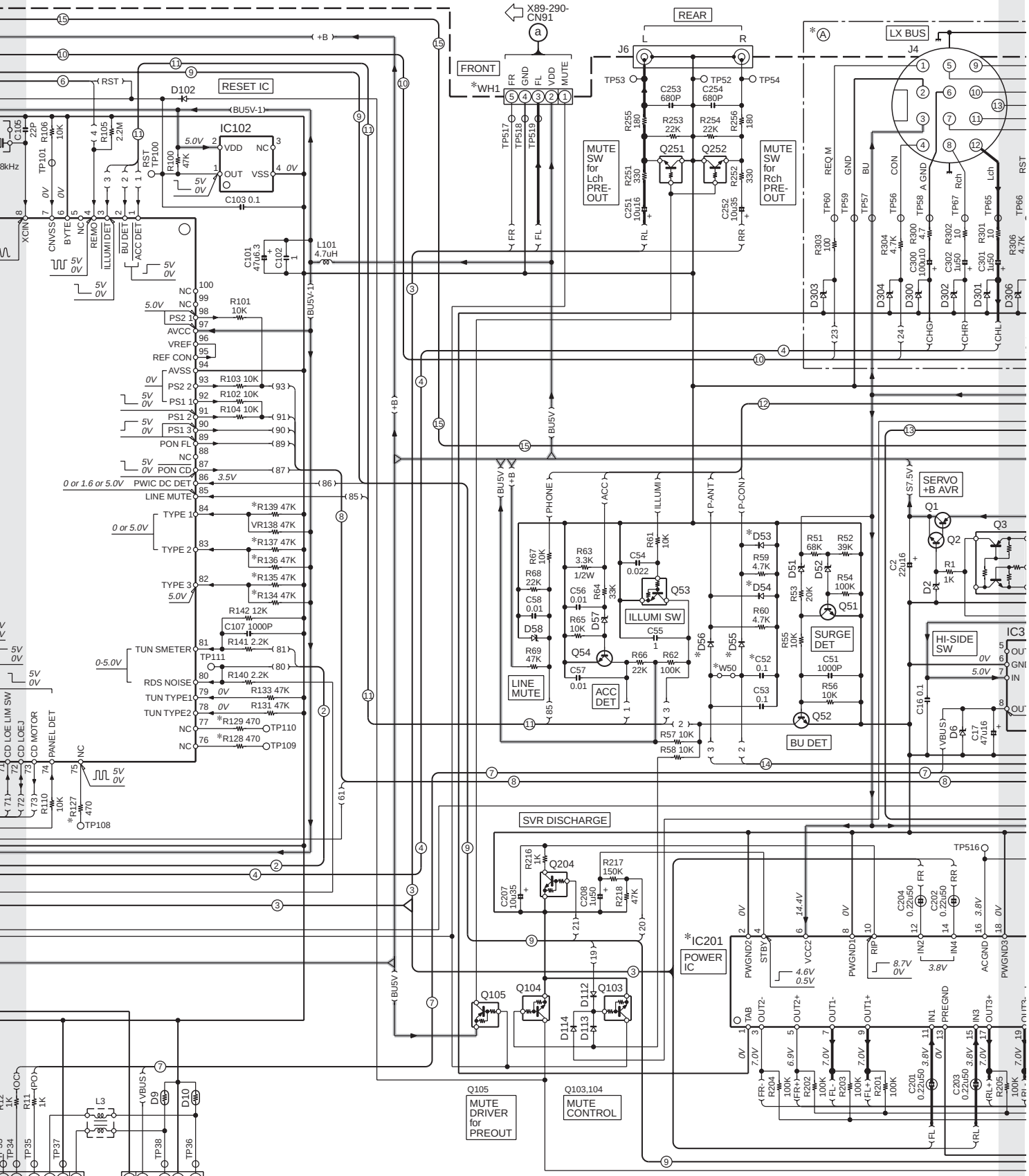
Refer to the schematic diagram for the values of resistors and capacitors.

KDC-MP5033U/MP532U
KDC-W534UA/UAY/UG/UGY/W5534U/UY



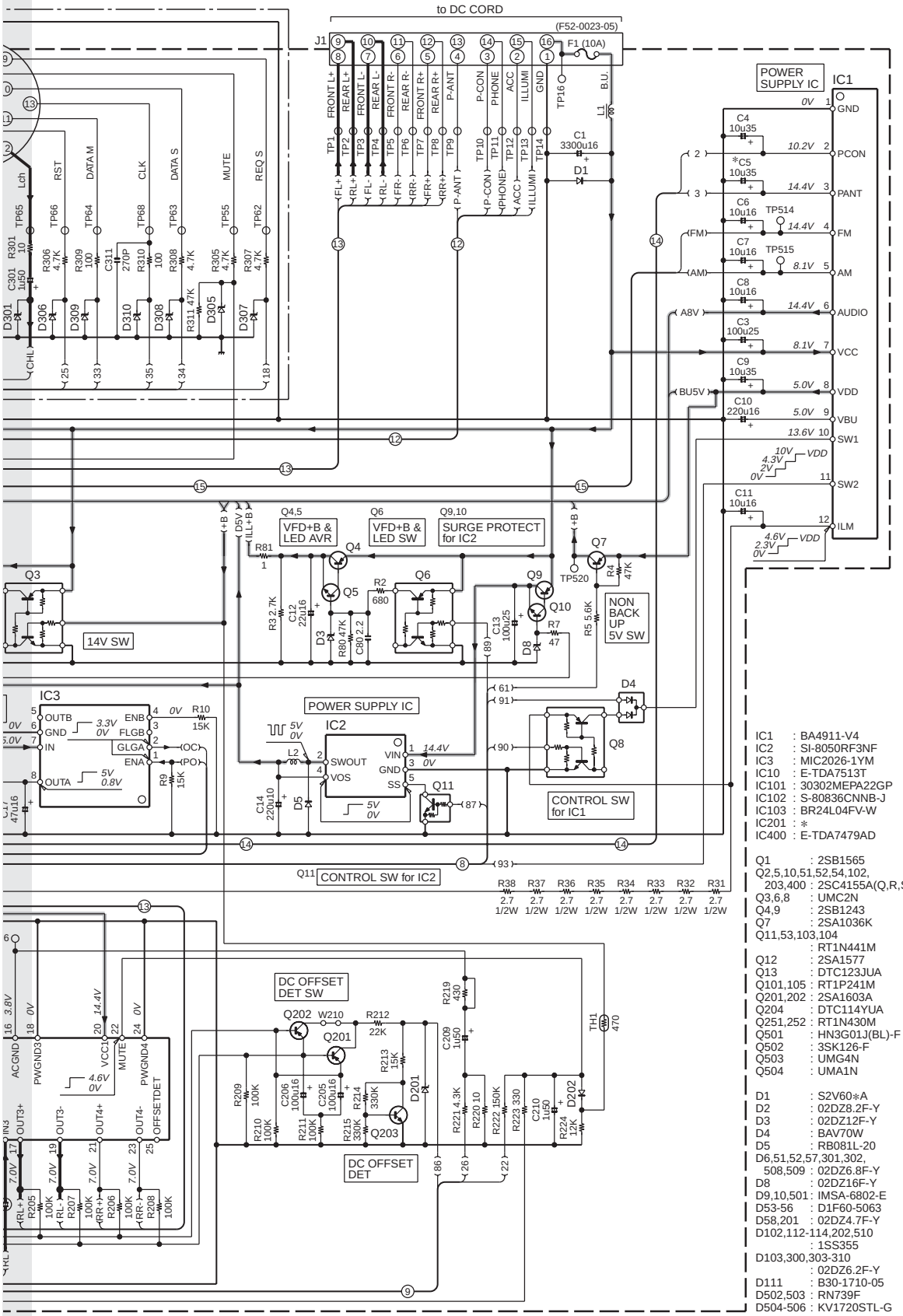

IC103 E2PROM
IC101 SYSTEM u-COM
Q503,504 AFS CONTROL
Q503
Q504
CF54 450.000kHz
X101 12.000MHz
X102 32.768kHz
D509
D510
D508
AUDIO TP510
RDS-MUTE TP105
ADJ TP107
TP106 FUNC OUT
Q12 FL FIL VOLTAGE SW
Q101 PANEL 5V SW
Q102 CONTROL SW for D111
EJECT SW
PANEL DET
DSI
CN1
to CD PLAYER UNIT (X32)

KDC-MP5033U/MP532U
KDC-W534UA/UAY/UG/UGY/W5534U/UY



(X34-412x-xx)

MODEL NAME	DESTI-NATION	UNIT No.	Ⓐ	ⒷⒸ	C5, 52	C502	C521	C522,523, 529,531	C524	C525	C526, 530	C527	C537	C538, 539	C556	C567	C571	C578	C580	D53, 55	D54, 56	IC201	R127-129, 190	R
KDC-MP532U	K2	0-11	YES	—	—	1500P	0.1	YES	100P	0.1	—	5P	4P	8P	0.1	820P	2P	0.01	YES	YES	—	TB2903HQ	—	
KDC-MP5033U	M2	0-21	YES	—	YES	1500P	0.1	YES	100P	0.1	—	5P	4P	8P	0.1	820P	2P	0.01	YES	YES	YES	TB2903HQ	—	Y
KDC-W534UA/UAY	E5/E6	2-71	—	YES	—	1500P	0.1	YES	100P	0.1	—	5P	4P	8P	0.047	220P	2P	820P	—	YES	YES	TB2904HQ	YES	
KDC-W534UG/UGY	E7/E8																							
KDC-W5534U/UY	E3/E4	2-70	YES	YES	—	1500P	0.1	YES	100P	0.1	—	5P	4P	8P	0.047	220P	2P	820P	—	YES	YES	TB2903HQ	YES	
U515	J	0-01	YES	—	—	0.01	0.47	—	22P	1000P	YES	10P	15P	4P	0.1	820P	3P	0.01	YES	—	YES	TB2903HQ	—	Y



IC1 : BA4911-V4
IC2 : SI-8050RF3NF
IC3 : MIC2026-1YM
IC10 : E-TDA7513T
IC101 : 30302MEPA22GP
IC102 : S-80836CNNB-J
IC103 : BR24L04FV-W
IC201 : ✻
IC400 : E-TDA7479AD

Q1 : 2SB1565
Q2,5,10,51,52,54,102, 203,400 : 2SC4155A(Q,R,S
Q3,6,8 : UMC2N
Q4,9 : 2SB1243
Q7 : 2SA1036K
Q11,53,103,104 : RT1N441M
Q12 : 2SA1577
Q13 : DTC123JUA
Q101,105 : RT1P241M
Q201,202 : 2SA1603A
Q204 : DTC114YUA
Q251,252 : RT1N430M
Q501 : HN3G01J(BL)-F
Q502 : 3SK126-F
Q503 : UMG4N
Q504 : UMA1N

D1 : S2V60✻A
D2 : 02DZ8.2F-Y
D3 : 02DZ12F-Y
D4 : BAV70W
D5 : RB081L-20
D6,51,52,57,301,302, 508,509 : 02DZ6.8F-Y
D8 : 02DZ16F-Y
D9,10,501 : IMSA-6802-E
D53-56 : D1F60-5063
D58,201 : 02DZ4.7F-Y
D102,112-114,202,510 : 1SS355
D103,300,303-310 : 02DZ6.2F-Y
D111 : B30-1710-05
D502,503 : RN739F
D504-506 : KV1720STL-G

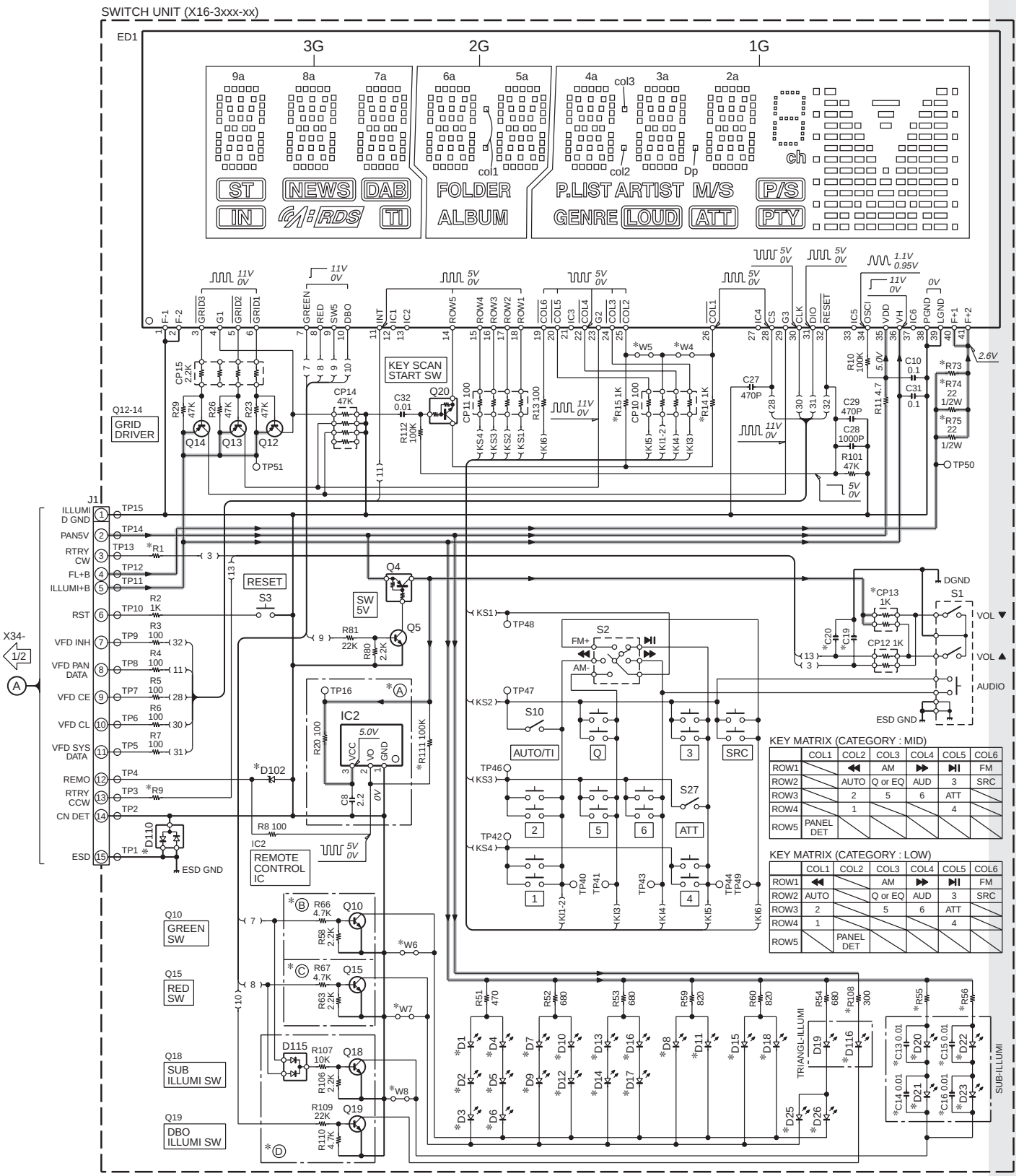
CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably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

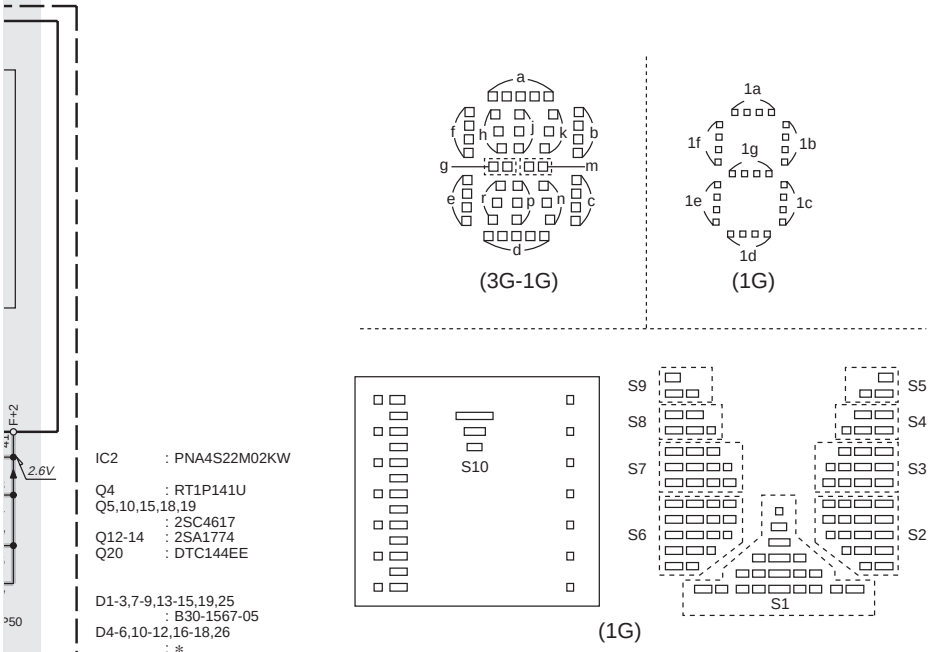
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

R127-129, 190	R134	R135	R136	R137	R138	R139	R153, 529	R521	R525	W50	W401	W524	WH1	WH2
—	—	YES	—	YES	—	YES	—	YES	820	—	—	YES	YES	—
—	YES	—	—	YES	YES	—	—	YES	820	—	—	YES	YES	—
YES	—	YES	YES	—	YES	—	—	YES	330	YES	—	YES	—	YES
YES	—	YES	YES	—	—	YES	—	YES	330	YES	—	YES	YES	YES
—	YES	—	YES	—	YES	—	YES	—	820	—	YES	—	YES	—

SIGNAL LINE
GND LINE
+B LINE

KDC-MP5033U/MP532U
KDC-W534UA/UAY/UG/UGY
KDC-W5534U/UY (1/2)


SWITCH UNIT (X16-3xxx-xx)
ED1
3G
2G
1G
ST
NEWS
DAB
IN
TI
FOLDER
ALBUM
P.LIST
ARTIST
M/S
P/S
GENRE
LOUD
ATT
PTY
ch
KEY SCAN START SW
GRID DRIVER
RESET
SW 5V
REMOTE CONTROL IC
GREEN SW
RED SW
SUB ILLUMI SW
DBO ILLUMI SW
TRIANGL-ILLUMI
SUB-ILLUMI
AUTO/TI
SRC
ATT
PTY
VOL ▼
VOL ▲
AUDIO
ESD GND
DGND
KEY MATRIX (CATEGORY : MID)
KEY MATRIX (CATEGORY : LOW)



IC2 : PNA4S22M02KW

Q4 : RT1P141U
Q5,10,15,18,19 : 2SC4617
Q12-14 : 2SA1774
Q20 : DTC144EE

D1-3,7-9,13-15,19,25 : B30-1567-05
D4-6,10-12,16-18,26 : *
D20-23 : *
D102 : UDZS5.6B
D110 : DA204U
D115 : DAN222
D116 : B30-1533-05

ED1 : 3-BT-235INK

GND LINE
+B LINE

CATEGORY	MODEL NAME	DESTI-NATION	UNIT No.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	C13-16	C19, 20	CP13	D1-3,7-9, 13-15,25	D4-6,10-12, 16-18,26	D20-23	D102
USB MID	KDC-MP632U	K1	X16-3740-11	YES	—	—	—	YES	0.1	—	YES	—	B30-1729-05	YES
	KDC-X590	K	X16-3740-10	YES	—	YES	YES	YES	0.1	—	YES	—	B30-1729-05	YES
	KDC-X7533U	M1	X16-3740-21	YES	YES	YES	YES	YES	0.1	—	YES	B30-1533-05	B30-1729-05	YES
	KDC-W6534U/UY	E1/E2	X16-3742-71	YES	YES	YES	—	YES	0.1	—	YES	B30-1533-05	B30-1729-05	YES
USB LOW	KDC-MP532U	K2	X16-3730-11	YES	—	—	—	YES	0.01	YES	YES	—	B30-1729-05	YES
	KDC-MP5033U	M2	X16-3730-21	YES	—	—	—	YES	0.01	YES	—	B30-1533-05	B30-1729-05	YES
	KDC-W534UA/UAY	E5/E6	X16-3732-71	—	—	—	—	—	0.01	YES	YES	—	B30-1567-05	—
	KDC-W534UG/UGY	E7/E8	X16-3732-72	—	—	—	—	—	0.01	YES	—	B30-1533-05	B30-1533-05	—
	KDC-W5534U/UY	E3/E4	X16-3732-70	YES	YES	YES	—	YES	0.01	YES	YES	B30-1533-05	B30-1729-05	YES
	U515	J	X16-3730-01	YES	—	—	—	YES	0.01	YES	—	B30-1575-05	B30-1729-05	YES

CATEGORY	MODEL NAME	DESTI-NATION	UNIT No.	D110	D116	R1,9	R14	R15, 74,75	R55, 56	R73	R108	R111	W4	W5	W6	W7	W8
USB MID	KDC-MP632U	K1	X16-3740-11	YES	—	100	YES	—	300	2.2 1/2W	—	—	—	YES	—	YES	YES
	KDC-X590	K	X16-3740-10	YES	YES	100	YES	—	300	2.2 1/2W	YES	—	—	YES	—	—	—
	KDC-X7533U	M1	X16-3740-21	YES	YES	100	YES	—	300	2.2 1/2W	YES	—	—	YES	—	—	YES
	KDC-W6534U/UY	E1/E2	X16-3742-71	YES	—	100	YES	—	300	2.2 1/2W	—	—	—	YES	—	—	—
USB LOW	KDC-MP532U	K2	X16-3730-11	—	—	4.7K	—	YES	300	33 1/2W	—	—	YES	—	—	YES	YES
	KDC-MP5033U	M2	X16-3730-21	—	—	4.7K	—	YES	300	33 1/2W	—	—	YES	—	YES	—	YES
	KDC-W534UA/UAY	E5/E6	X16-3732-71	—	—	4.7K	—	YES	680	33 1/2W	—	YES	YES	—	—	YES	YES
	KDC-W534UG/UGY	E7/E8	X16-3732-72	—	—	4.7K	—	YES	620	33 1/2W	—	YES	YES	—	YES	—	YES
	KDC-W5534U/UY	E3/E4	X16-3732-70	—	—	4.7K	—	YES	300	33 1/2W	—	—	YES	—	—	—	YES
	U515	J	X16-3730-01	—	—	4.7K	—	YES	300	33 1/2W	—	—	YES	—	YES	—	YES

ANODE CONNECTION

PIN NAME	3G	2G	1G
P1	9a	—	2a
P2	9h	—	2h
P3	9j	—	2j
P4	9k	—	2k
P5	9b	—	2b
P6	9f	—	2f
P7	9m	—	2m
P8	9g	—	2g
P9	9c	—	2c
P10	9e	—	2e
P11	9r	—	2r
P12	9p	—	2p
P13	9n	—	2n
P14	9d	—	2d
P15	8a	6a	4a
P16	7a	5a	3a
P17	8h	6h	4h
P18	7h	5h	3h
P19	8j	6j	4j
P20	7j	5j	3j
P21	8k	6k	4k
P22	7k	5k	3k
P23	8b	6b	4b
P24	7b	5b	3b
P25	8f	6f	4f
P26	7f	5f	3f
P27	8m	6m	4m
P28	7m	5m	3m
P29	8g	6g	4g
P30	7g	5g	3g
P31	8c	6c	4c
P32	7c	5c	3c
P33	8e	6e	4e
P34	7e	5e	3e
P35	8r	6r	4r
P36	7r	5r	3r
P37	8p	6p	4p
P38	7p	5p	3p
P39	8n	6n	4n
P40	7n	5n	3n
P41	8d	6d	4d
P42	7d	5d	3d
P43	—	col1	col2
P44	—	—	col3
P45	—	—	Dp
P46	ST	FOLDER	P.LIST
P47	NEWS	ALBUM	ARTIST
P48	DAB	—	M/S
P49	IN	—	GENRE
P50	CT/RDS	—	LOUD
P51	TI	—	ATT
P52	—	—	1a
P53	—	—	1b
P54	—	—	1f
P55	—	—	1g
P56	—	—	1c
P57	—	—	1e
P58	—	—	1d
P59	—	—	ch
P60	—	—	P/S
P61	—	—	PTY
P62	—	—	S1
P63	—	—	S2
P64	—	—	S3
P65	—	—	S4
P66	—	—	S5
P67	—	—	S6
P68	—	—	S7
P69	—	—	S8
P70	—	—	S9
P71	—	—	S10

KDC-MP5033U/MP532U
KDC-W534UA/UAY/UG/UGY
KDC-W5534U/UY (2/2)

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.

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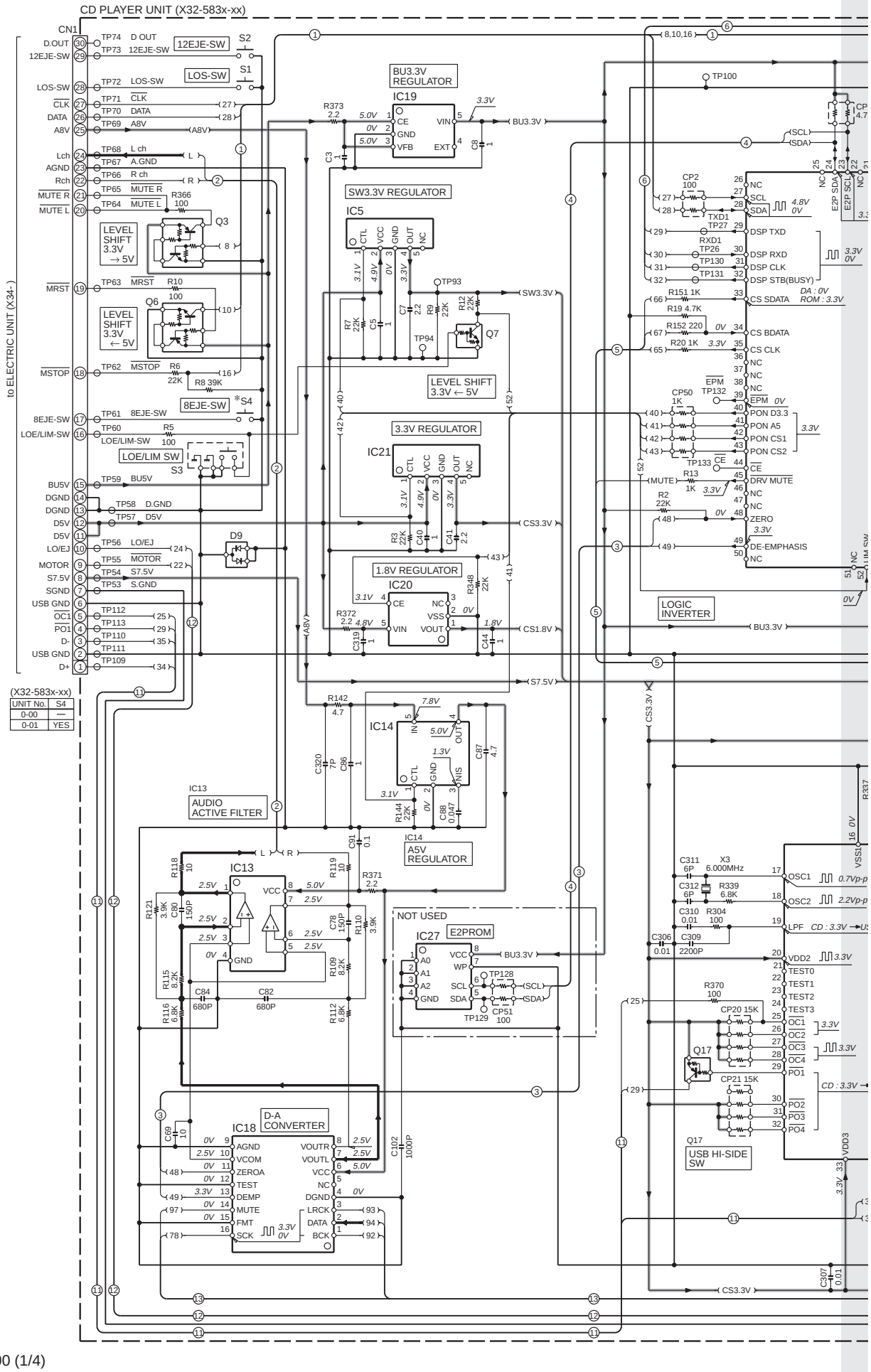
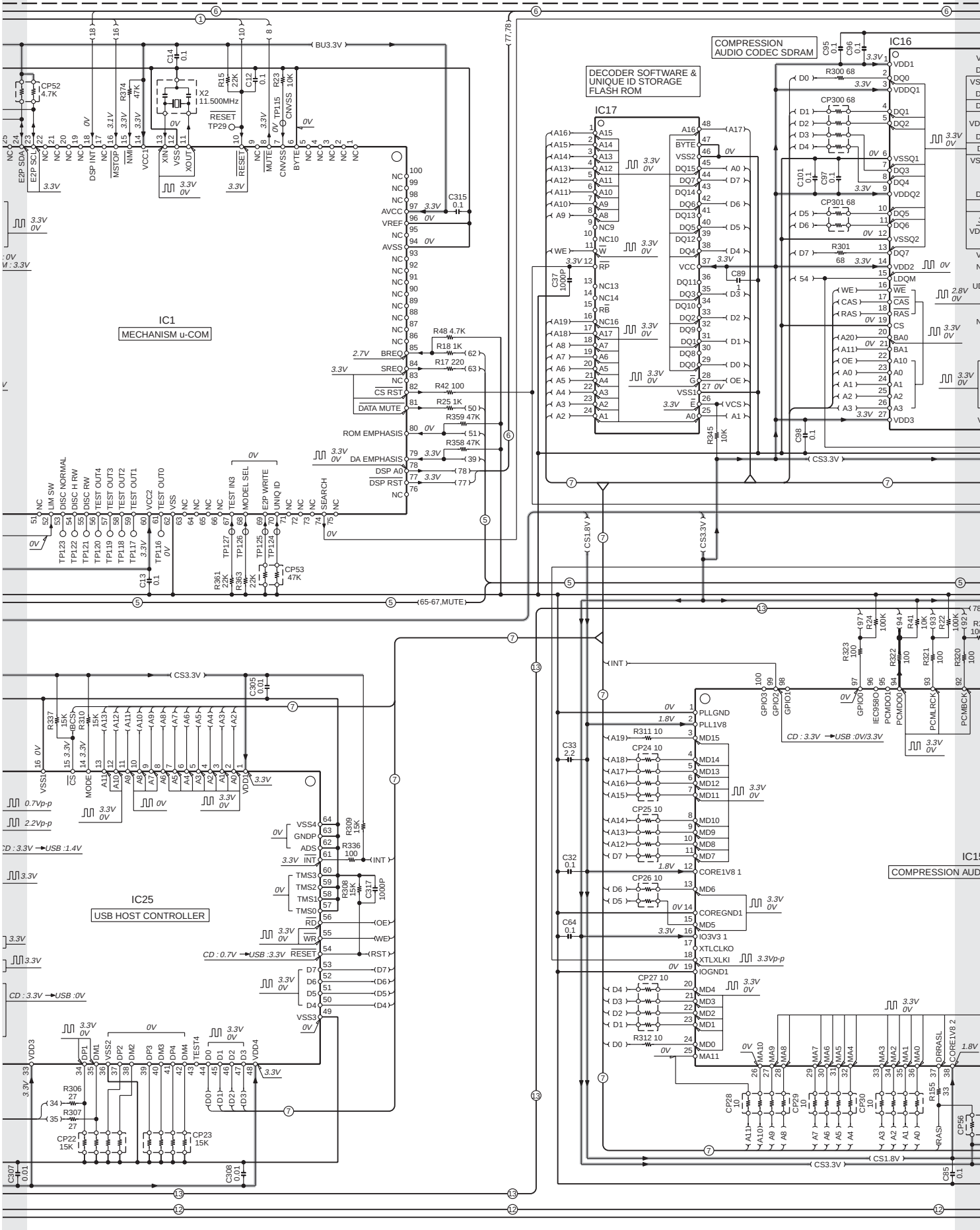
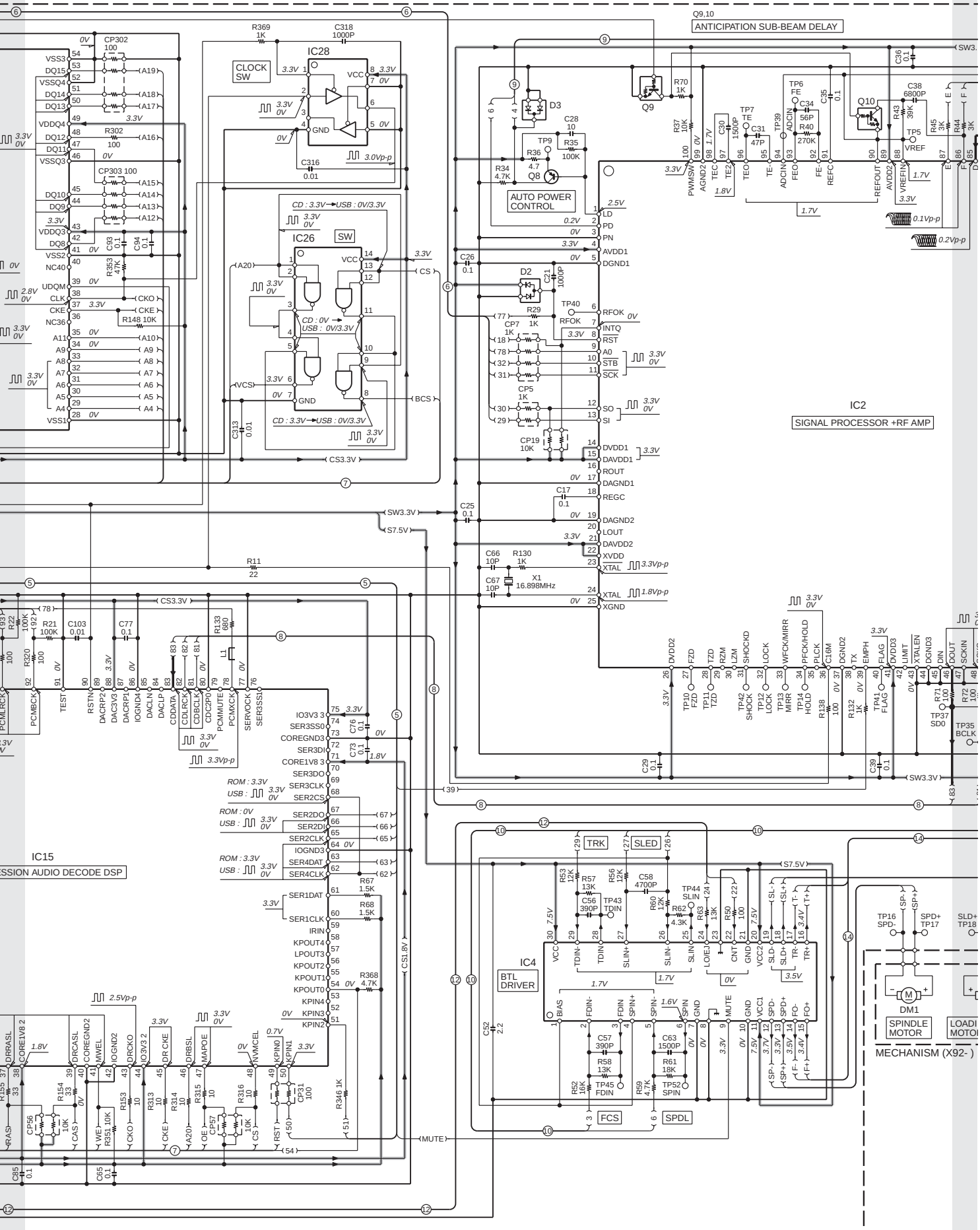
KDC-MP5033U/MP532U
KDC-W534UA/UAY/UG/UGY/W5534U/UY

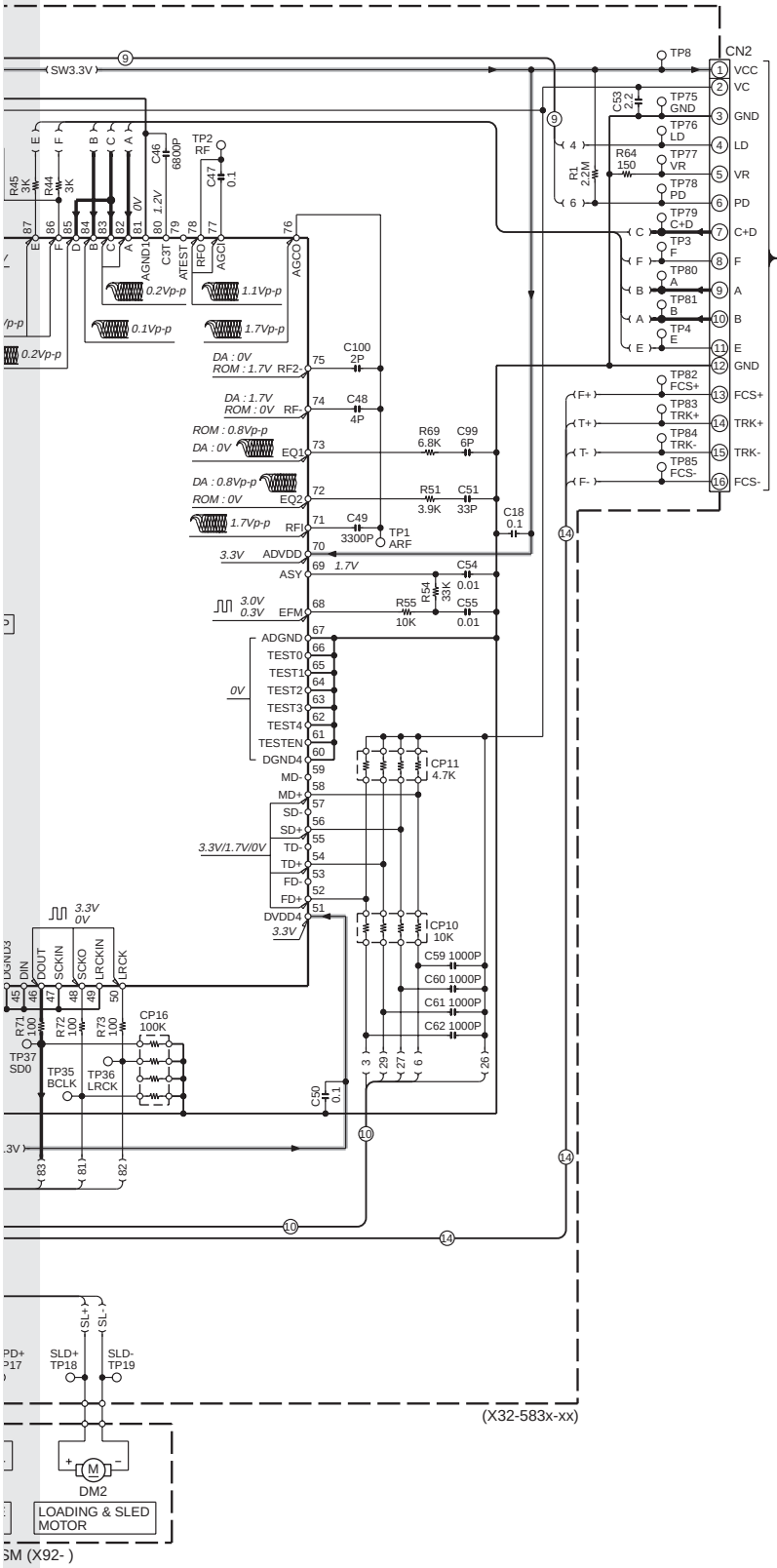


KDC-MP5033U/MP532U
KDC-W534UA/UAY/UG/UGY/W5534U/UY

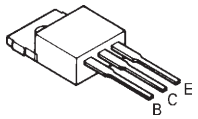


KDC-MP5033U/MP532U
KDC-W534UA/UAY/UG/UGY/W5534U/UY



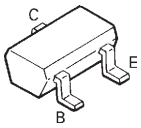


2SB1565

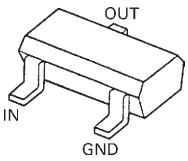


DTC114YE
DTC114YUA
DTC124EE
DTC143TUA
DTC144EE
2SA1036K
2SC4617

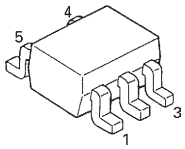
2SA1774



DTA124EUA
DTC123JUA



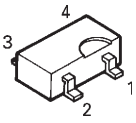
UMC2N



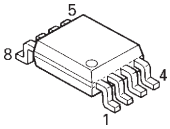
DAN202U

DA204U

3SK126-F



NJM2100V-ZB



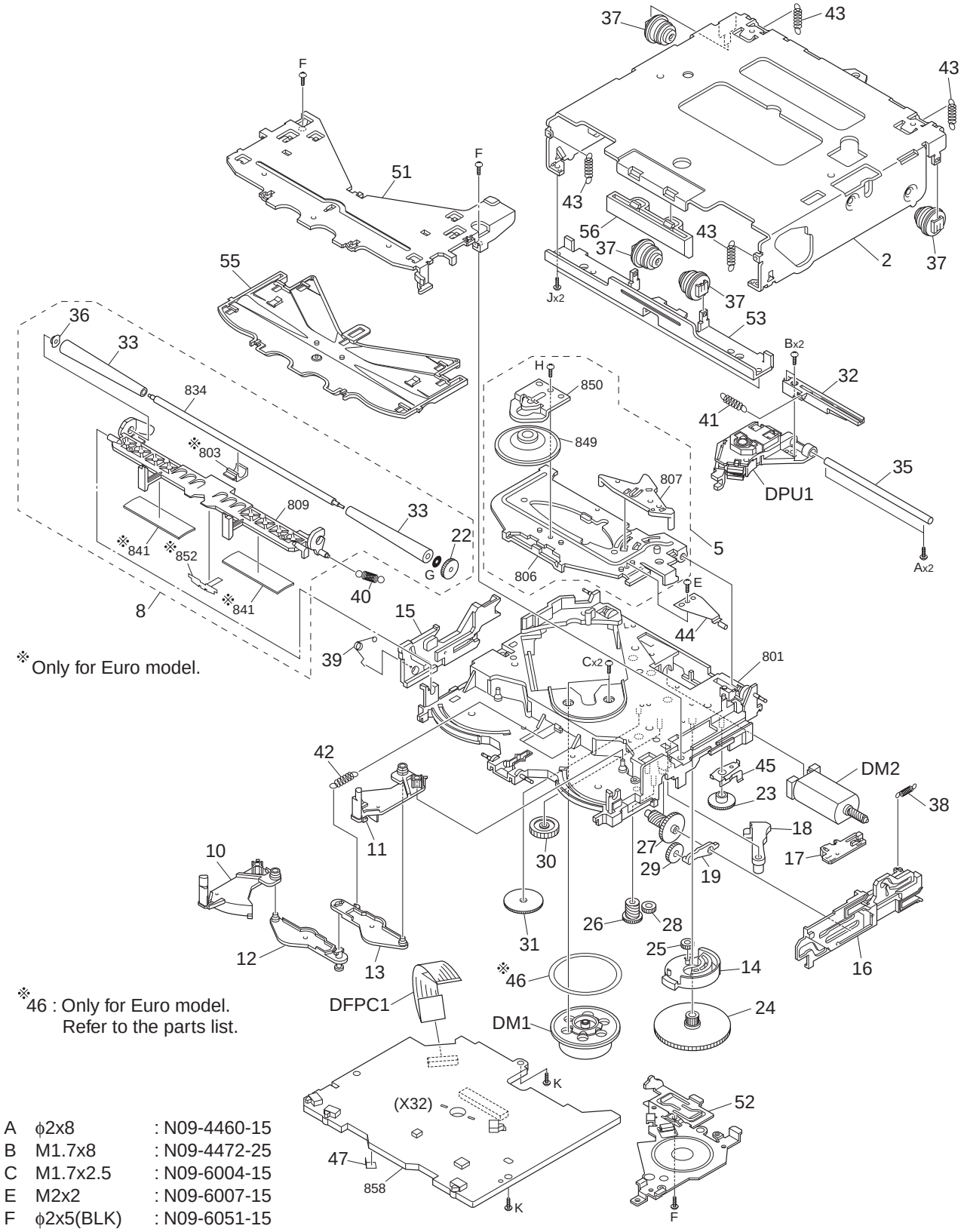
IC1	: M30620FCPGP	Q3	: UMD9N
IC2	: UPD63712GC	Q6	: UMD12N
IC4	: BA5824FP	Q7	: DTC124EE
IC5,21	: BD33KA5WFP-E2	Q8	: 2SB0970
IC13	: NJM2100V-ZB	Q9	: DTC114YE
IC14	: TAR5S50-F	Q10	: DTC114YUA
IC15	: CS7410-IQZ	Q17	: DTA143XUA
IC16	: IC42S164007TIG		
IC17	: 29LV800CBTI9V1	D2,9	: DA204U
IC18	: PCM1754DB	D3	: DAN202U
IC19	: R1114N331B-TR		
IC20	: S-1132B18U5T1G		
IC25	: TDUHC1240F0C00		
IC26	: TC74LCX00FT-F		
IC27	: NOT USED		
IC28	: TC7WH125FK-F		

SIGNAL LINE
GND LINE
+B LINE

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.

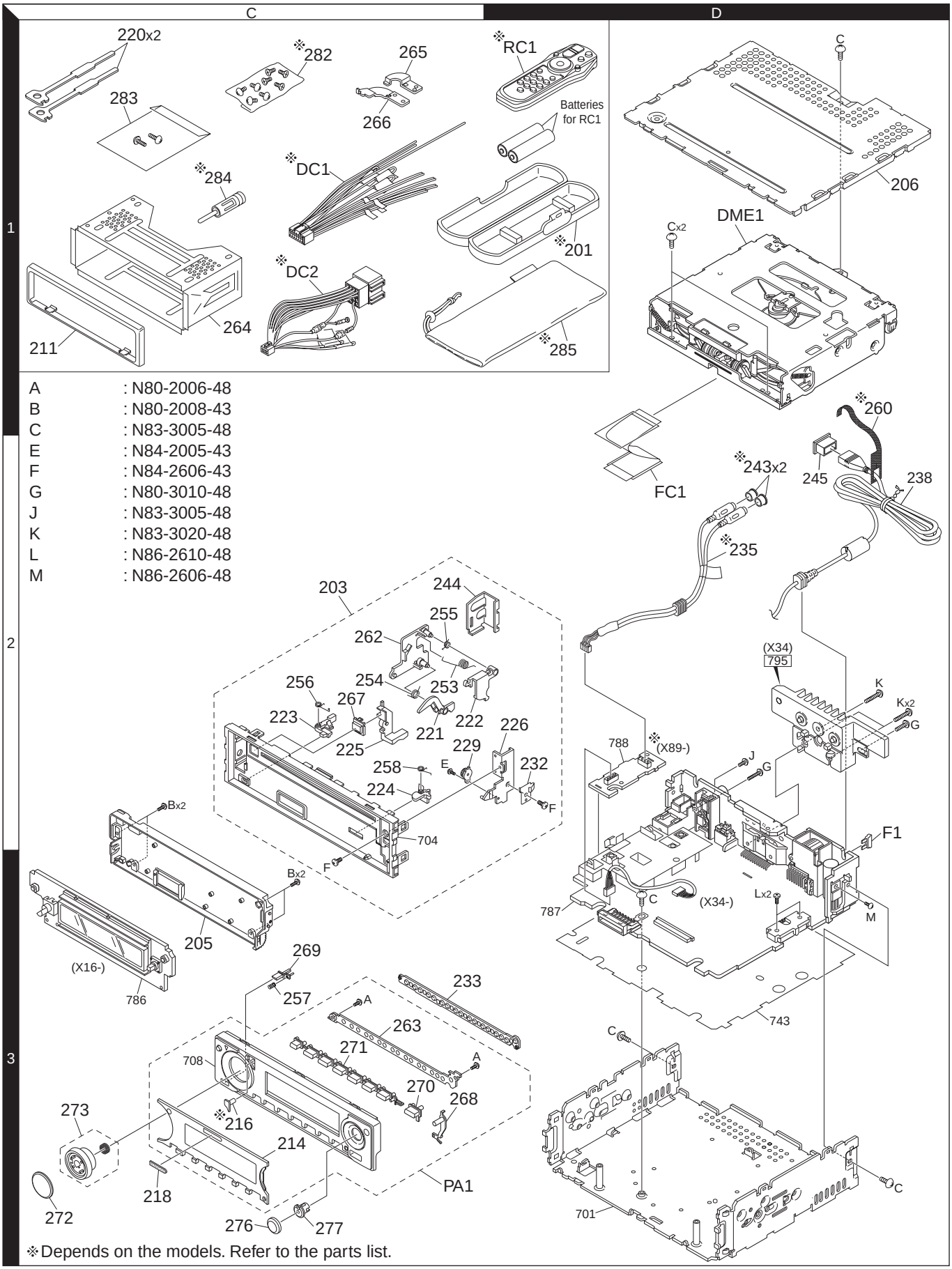
EXPLODED VIEW (MECHANISM)



A	ϕ2x8	: N09-4460-15
B	M1.7x8	: N09-4472-25
C	M1.7x2.5	: N09-6004-15
E	M2x2	: N09-6007-15
F	ϕ2x5(BLK)	: N09-6051-15
G	1.6 WASHER	: N19-2163-04
H	M2x2	: N39-2020-46
J	ϕ2x3.5	: N09-6108-15
K	ϕ2x6	: N09-6155-15

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

EXPLODED VIEW (UNIT)



A	: N80-2006-48
B	: N80-2008-43
C	: N83-3005-48
E	: N84-2005-43
F	: N84-2606-43
G	: N80-3010-48
J	: N83-3005-48
K	: N83-3020-48
L	: N86-2610-48
M	: N86-2606-48

※Depends on the models. Refer to the parts list.

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

PARTS LIST

✻ New parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

Ref. No.	Add	New	Parts No.	Description	Destination
KDC-MP5033U/MP532U/W534U/W5534U					
201	1D		A02-2743-03	PLASTIC CABINET ASSY	M2
203	2C	✻	A22-3059-12	SUB PANEL ASSY	
205	3C	✻	A46-1833-11	REAR COVER	
206	1D		A52-0804-12	TOP PLATE	
PA1	3C	✻	A64-3757-11	PANEL ASSY	E5E6E7
PA1	3C	✻	A64-3757-11	PANEL ASSY	E8
PA1	3C	✻	A64-3764-11	PANEL ASSY	K2
PA1	3C	✻	A64-3765-11	PANEL ASSY	M2
PA1	3C	✻	A64-3766-11	PANEL ASSY	E3E4
RC1	1D		A70-2069-15	REMOTE CONTROLLER ASSY (RC-517)	K2M2
-			B46-0612-14	ID CARD	M2E3E4
-			B46-0681-04	ID CARD	K2E5E6
-			B46-0681-04	ID CARD	E7E8
-			B46-0682-00	WARRANTY CARD	K2M2E3
-			B46-0682-00	WARRANTY CARD	E5E7
-			B58-1426-04	CAUTION CARD	K2
-		✻	B64-3343-00	INST. MANUAL (ENG.FRE.SPA)	K2
-		✻	B64-3344-00	INST. MANUAL (ENG.T-CHI)	M2
-		✻	B64-3345-00	INST. MANUAL (ARABIC)	M2
-		✻	B64-3346-00	INST. MANUAL (ENGLISH)	E3E4E5
-		✻	B64-3346-00	INST. MANUAL (ENGLISH)	E6E7E8
-		✻	B64-3347-00	INST. MANUAL (FRE.GER.DUT)	E3E5E7
-		✻	B64-3348-00	INST. MANUAL (ITA.SPA.POR)	E3E5E7
-		✻	B64-3349-00	INST. MANUAL (RUSSIAN)	E4E6E8
211	1C		B07-3125-01	ESCUTCHEON	M2E5E6
211	1C		B07-3125-01	ESCUTCHEON	E7E8
211	1C		B07-3126-01	ESCUTCHEON	K2E3E4
214	3C	✻	B10-4767-02	FRONT GLASS	K2
214	3C	✻	B10-4768-02	FRONT GLASS	M2
214	3C	✻	B10-4769-02	FRONT GLASS	E3E4
214	3C	✻	B10-4813-02	FRONT GLASS	E5E6E7
214	3C	✻	B10-4813-02	FRONT GLASS	E8
216	3C		B19-2364-04	LIGHTING BOARD (REMOTE)	K2M2E3
216	3C		B19-2364-04	LIGHTING BOARD (REMOTE)	E4
218	3C		B43-1518-04	BADGE	
220	1C		D10-4589-04	LEVER	
221	2C		D10-4865-03	LEVER (PUSH)	
222	2C		D10-4866-03	LEVER (HOOK)	
223	2C		D10-4867-04	LEVER (LOCK)	
224	2C		D10-4868-04	LEVER (DETECT)	
225	2C		D10-4869-03	LEVER (EJECT)	
226	2D		D10-4870-04	ARM ASSY	
229	2C		D39-0255-05	DAMPER	
232	2D		E29-2028-04	LEAD PLATE	
233	3C	✻	E29-2067-03	CONDUCTIVE RUBBER	
235	2D		E30-6499-05	CORD WITH PINPLUG (PREOUT)	K2M2E3
235	2D		E30-6499-05	CORD WITH PINPLUG (PREOUT)	E4
238	2D	✻	E30-6588-05	CORD WITH CONNECTOR (USB) (1m)	
⚠ DC1	1C		E30-6414-05	DC CORD	K2M2
⚠ DC2	1C		E30-6413-05	DC CORD	E3E4E5
⚠ DC2	1C		E30-6413-05	DC CORD	E6E7E8
FC1	2D	✻	E39-0814-05	FLAT CABLE	

Ref. No.	Add	New	Parts No.	Description	Destination
243	2D		F29-0626-04	INSULATING COVER (PREOUT)	K2M2E3
243	2D		F29-0626-04	INSULATING COVER (PREOUT)	E4
244	2C		F31-0716-04	REINFORCING HARDWARE	
245	2D	✻	F29-0637-04	INSULATING COVER (USB)	
⚠ F1	2D		F52-0023-05	FUSE (MINI BLADE TYPE) (10A)	
253	2C		G01-3246-04	TORSION COIL SPRING	
254	2C		G01-3247-04	TORSION COIL SPRING	
255	2C		G01-3248-04	TORSION COIL SPRING	
256	2C		G01-3249-04	TORSION COIL SPRING	
257	3C	✻	G01-4611-04	COMPRESSION SPRING (REL)	
258	2C		G01-3270-04	TORSION COIL SPRING	
-		✻	H10-4983-02	POLYSTYRENE FOAMED FIXTURE	
-			H25-0329-04	PROTECTION BAG (280X450X0.03)	K2M2E4
-			H25-0329-04	PROTECTION BAG (280X450X0.03)	E6E8
-			H25-0337-04	PROTECTION BAG (180X300X0.03)	E3E4E5
-			H25-0337-04	PROTECTION BAG (180X300X0.03)	E6E7E8
-			H25-1111-04	PROTECTION BAG (280X450X0.03)	E3E5E7
-			H25-1236-14	PROTECTION BAG (0.03X180X500)	K2M2
-		✻	H54-3717-03	ITEM CARTON CASE (KDC-MP532U)	K2
-		✻	H54-3718-03	ITEM CARTON CASE (KDC-MP5033U)	M2
-		✻	H54-3719-03	ITEM CARTON CASE (KDC-W5534U)	E3
-		✻	H54-3720-03	ITEM CARTON CASE (KDC-W5534UY)	E4
-		✻	H54-3721-03	ITEM CARTON CASE (KDC-W534UA)	E5
-		✻	H54-3722-03	ITEM CARTON CASE (KDC-W534UAY)	E6
-		✻	H54-3723-03	ITEM CARTON CASE (KDC-W534UG)	E7
-		✻	H54-3724-03	ITEM CARTON CASE (KDC-W534UGY)	E8
260	1D	✻	H30-0594-04	MAGIC TAPE	K2
262	2C		J19-7049-03	HOLDER	
263	3C	✻	J19-7112-02	HOLDER	
264	1C		J22-0011-03	MOUNTING HARDWARE ASSY	
265	1C		J22-0258-04	MOUNTING HARDWARE (L)	
266	1C		J22-0259-04	MOUNTING HARDWARE (R)	
267	2C		K24-4282-04	PUSH KNOB (EJECT)	
268	3C	✻	K24-4460-03	PUSH KNOB (AME)	M2E5E6
268	3C	✻	K24-4460-03	PUSH KNOB (AME)	E7E8
268	3C		K24-4461-03	PUSH KNOB (AME)	K2E3E4
269	3C	✻	K24-4464-03	PUSH KNOB (RELEASE)	
270	3C		K24-4462-03	PUSH KNOB (SRC)	
271	3C	✻	K25-1784-02	PUSH KNOB (PRESET)	
272	3C		K28-0103-03	KEY TOP (VOL)	
273	3C	✻	K28-0167-03	KNOB ASSY (VOL)	E3E4E5
273	3C	✻	K28-0167-03	KNOB ASSY (VOL)	E6E7E8
273	3C		K29-7200-03	KNOB ASSY (VOL)	K2M2
276	3C		K28-0106-03	KEY TOP (FM/AM)	
277	3C	✻	K28-0122-03	KNOB BASE (FM/AM)	
282	1C		N99-1757-05	SCREW SET	K2M2
283	1C	✻	N99-1780-05	SCREW SET	
A	3C		N80-2006-48	PAN HEAD TAPTITE SCREW	
B	2C		N80-2008-43	PAN HEAD TAPTITE SCREW	
C	1D		N83-3005-48	PAN HEAD TAPTITE SCREW	
E	2C		N84-2005-43	PAN HEAD TAPTITE SCREW	
F	2D		N84-2606-43	PAN HEAD TAPTITE SCREW	
L	3D		N86-2610-48	BINDING HEAD TAPTITE SCREW	

K2: KDC-MP532U **M2**: KDC-MP5033U **E3**: KDC-W5534U **E4**: KDC-W5534UY
E5: KDC-W534UA **E6**: KDC-W534UAY **E7**: KDC-W534UG **E8**: KDC-W534UGY
(**E**: Europe **K**: North America **M**: Other Areas **W**: Without Europe)

⚠ Indicates safety critical components.

PARTS LIST

KDC-MP5033U/MP532U/W534U/W5534U

Ref. No.	Add	New	Parts No.	Description	Destination
284	1C		T90-0523-05	ANTENNA ADAPTOR	E3E4E5
284	1C		T90-0523-05	ANTENNA ADAPTOR	E6E7E8
285	1D		W01-1661-05	CARRYING CASE	K2E3E4
285	1D		W01-1661-05	CARRYING CASE	E5E6E7
285	1D		W01-1661-05	CARRYING CASE	E8
DME1	1D	✻	X92-5440-00	MECHANISM ASSY (DXM-6810W)	K2M2
DME1	1D	✻	X92-5440-04	MECHANISM ASSY (DXM-6814W)	E3E4E5
DME1	1D	✻	X92-5440-04	MECHANISM ASSY (DXM-6814W)	E6E7E8
SWITCH UNIT (X16-373x-xx)					
D1-3			B30-1567-05	LED (1608,RED)	K2E3E4
D1-3			B30-1567-05	LED (1608,RED)	E5E6
D4-6			B30-1533-05	LED (1608,PG)	M2E3E4
D4-6			B30-1533-05	LED (1608,PG)	E7E8
D7-9			B30-1567-05	LED (1608,RED)	K2E3E4
D7-9			B30-1567-05	LED (1608,RED)	E5E6
D10-12			B30-1533-05	LED (1608,PG)	M2E3E4
D10-12			B30-1533-05	LED (1608,PG)	E7E8
D13-15			B30-1567-05	LED (1608,RED)	K2E3E4
D13-15			B30-1567-05	LED (1608,RED)	E5E6
D16-18			B30-1533-05	LED (1608,PG)	M2E3E4
D16-18			B30-1533-05	LED (1608,PG)	E7E8
D19			B30-1567-05	LED (1608,RED)	K2M2E3
D19			B30-1567-05	LED (1608,RED)	E4E7E8
D19-23			B30-1567-05	LED (1608,RED)	E5E6
D20-23			B30-1533-05	LED (1608,PG)	E7E8
D20-23			B30-1729-05	LED (1608,BLUE)	K2M2E3
D20-23			B30-1729-05	LED (1608,BLUE)	E4
D25			B30-1567-05	LED (1608,RED)	K2E3E4
D25			B30-1567-05	LED (1608,RED)	E5E6
D26			B30-1533-05	LED (1608,PG)	M2E3E4
D26			B30-1533-05	LED (1608,PG)	E7E8
C8			CK73FB1A225K	CHIP C 2.2UF K	K2M2E3
C8			CK73FB1A225K	CHIP C 2.2UF K	E4
C10			CK73GB1H104K	CHIP C 0.10UF K	
C13-16			CK73GB1H103K	CHIP C 0.010UF K	K2M2E3
C13-16			CK73GB1H103K	CHIP C 0.010UF K	E4
C19,20			CK73GB1H103K	CHIP C 0.010UF K	
C27			CC73GCH1H471J	CHIP C 470PF J	
C28			CK73GB1H102K	CHIP C 1000PF K	
C29			CC73GCH1H471J	CHIP C 470PF J	
C31			CK73GB1H104K	CHIP C 0.10UF K	
C32			CK73GB1H103K	CHIP C 0.010UF K	
J1			E59-0851-05	RECTANGULAR PLUG	
CP10,11			RK74HB1J101J	CHIP-COM 100 J 1/16W	
CP12,13			RK74GA1J102J	CHIP-COM 1.0K J 1/16W	
CP14			RK74HB1J473J	CHIP-COM 47K J 1/16W	
CP15			RK74HB1J222J	CHIP-COM 2.2K J 1/16W	
R1			RK73EB2E472J	CHIP R 4.7K J 1/4W	
R2			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R3 -8			RK73EB2E101J	CHIP R 100 J 1/4W	
R9			RK73EB2E472J	CHIP R 4.7K J 1/4W	
R10			RK73GB2A104J	CHIP R 100K J 1/10W	

Ref. No.	Add	New	Parts No.	Description	Destination
R11			RK73GB2A4R7J	CHIP R 4.7 J 1/10W	
R13			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R15			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R20			RK73GB2A101J	CHIP R 100 J 1/10W	K2M2E3
R20			RK73GB2A101J	CHIP R 100 J 1/10W	E4
R23			RK73GB2A473J	CHIP R 47K J 1/10W	
R26			RK73GB2A473J	CHIP R 47K J 1/10W	
R29			RK73GB2A473J	CHIP R 47K J 1/10W	
R51			RK73FB2B471J	CHIP R 470 J 1/8W	
R52-54			RK73EB2E681J	CHIP R 680 J 1/4W	K2M2E3
R52-54			RK73EB2E681J	CHIP R 680 J 1/4W	E4E7E8
R52-56			RK73EB2E681J	CHIP R 680 J 1/4W	E5E6
R55,56			RK73EB2E301J	CHIP R 300 J 1/4W	K2M2E3
R55,56			RK73EB2E301J	CHIP R 300 J 1/4W	E4
R55,56			RK73EB2E621J	CHIP R 620 J 1/4W	E7E8
R58			RK73GB2A222J	CHIP R 2.2K J 1/10W	E3E4
R59,60			RK73EB2E821J	CHIP R 820 J 1/4W	
R63			RK73GB2A222J	CHIP R 2.2K J 1/10W	E3E4
R66,67			RK73GB2A472J	CHIP R 4.7K J 1/10W	E3E4
R73			RK73PB2H330J	CHIP R 33 J 1/2W	
R74,75			RK73PB2H220J	CHIP R 22 J 1/2W	
R80			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R81			RK73GB2A223J	CHIP R 22K J 1/10W	
R101			RK73GB2A473J	CHIP R 47K J 1/10W	
R111,112			RK73GB2A104J	CHIP R 100K J 1/10W	E5E6E7
R111,112			RK73GB2A104J	CHIP R 100K J 1/10W	E8
R112			RK73GB2A104J	CHIP R 100K J 1/10W	K2M2E3
R112			RK73GB2A104J	CHIP R 100K J 1/10W	E4
W4			R92-1252-05	CHIP R 0 OHM J 1/16W	
W6			R92-1252-05	CHIP R 0 OHM J 1/16W	M2E7E8
W7,8			R92-1252-05	CHIP R 0 OHM J 1/16W	K2E5E6
W8			R92-1252-05	CHIP R 0 OHM J 1/16W	M2E3E4
W8			R92-1252-05	CHIP R 0 OHM J 1/16W	E7E8
S2			S70-0106-05	TACT SWITCH	
S10		✻	S70-0939-05	TACT SWITCH	
S27		✻	S70-0939-05	TACT SWITCH	
S1			T99-0457-15	ROTARY ENCODER	
D102			UDZS5.6B	ZENER DIODE	K2M2E3
D102			UDZS5.6B	ZENER DIODE	E4
ED1			3-BT-235INK	FLUORESCENT INDICATOR TUBE	
IC2			PNA4S22M02KW	ANALOGUE IC	K2M2E3
IC2			PNA4S22M02KW	ANALOGUE IC	E4
Q4			RT1P141U	TRANSISTOR	
Q5			2SC4617	TRANSISTOR	
Q10			2SC4617	TRANSISTOR	E3E4
Q12-14			2SA1774	TRANSISTOR	
Q15			2SC4617	TRANSISTOR	E3E4
Q20			DTC144EE	DIGITAL TRANSISTOR	
CD PLAYER UNIT (X32-5830-00)					
C3			CK73GB1A105K	CHIP C 1.0UF K	
C5			CK73GB1A105K	CHIP C 1.0UF K	
C7			CK73GB0J225K	CHIP C 2.2UF K	
C8			CK73GB1A105K	CHIP C 1.0UF K	

K2: KDC-MP532U **M2**: KDC-MP5033U **E3**: KDC-W5534U **E4**: KDC-W5534UY
E5: KDC-W534UA **E6**: KDC-W534UAY **E7**: KDC-W534UG **E8**: KDC-W534UGY
(**E**: Europe **K**: North America **M**: Other Areas **W**: Without Europe)

⚠ Indicates safety critical components.

PARTS LIST

CD PLAYER UNIT (X32-5830-00)

Ref. No.	Add	New	Parts No.	Description			Destination
C12-14			CK73GB1H104K	CHIP C	0.10UF	K	
C17,18			CK73GB1H104K	CHIP C	0.10UF	K	
C21			CK73GB1H102K	CHIP C	1000PF	K	
C25,26			CK73GB1H104K	CHIP C	0.10UF	K	
C28			CK73FB0J106K	CHIP C	10UF	K	
C29			CK73GB1H104K	CHIP C	0.10UF	K	
C30			CK73GB1H152K	CHIP C	1500PF	K	
C31			CC73GCH1H470J	CHIP C	47PF	J	
C32			CK73GB1H104K	CHIP C	0.10UF	K	
C33			CK73GB0J225K	CHIP C	2.2UF	K	
C34			CC73GCH1H560J	CHIP C	56PF	J	
C35,36			CK73GB1H104K	CHIP C	0.10UF	K	
C37			CK73GB1H102K	CHIP C	1000PF	K	
C38			CK73GB1H682K	CHIP C	6800PF	K	
C39			CK73GB1H104K	CHIP C	0.10UF	K	
C40			CK73GB1A105K	CHIP C	1.0UF	K	
C41			CK73GB0J225K	CHIP C	2.2UF	K	
C44			CK73GB1A105K	CHIP C	1.0UF	K	
C46			CK73GB1H682K	CHIP C	6800PF	K	
C47			CK73GB1H104K	CHIP C	0.10UF	K	
C48			CC73GCH1H040C	CHIP C	4.0PF	C	
C49			CK73GB1H332K	CHIP C	3300PF	K	
C50			CK73GB1H104K	CHIP C	0.10UF	K	
C51			CC73GCH1H330J	CHIP C	33PF	J	
C52			CK73FB1A225K	CHIP C	2.2UF	K	
C53			CK73GB0J225K	CHIP C	2.2UF	K	
C54,55			CK73GB1H103K	CHIP C	0.010UF	K	
C56,57			CC73GCH1H391J	CHIP C	390PF	J	
C58			CK73GB1H472K	CHIP C	4700PF	K	
C59-62			CK73GB1H102K	CHIP C	1000PF	K	
C63			CK73GB1H152K	CHIP C	1500PF	K	
C64,65			CK73GB1H104K	CHIP C	0.10UF	K	
C66,67			CC73GCH1H100D	CHIP C	10PF	D	
C69			CK73FB0J106K	CHIP C	10UF	K	
C73			CK73GB1H104K	CHIP C	0.10UF	K	
C76,77			CK73GB1H104K	CHIP C	0.10UF	K	
C78			CC73GCH1H151J	CHIP C	150PF	J	
C80			CC73GCH1H151J	CHIP C	150PF	J	
C82			CC73GCH1H681J	CHIP C	680PF	J	
C84			CC73GCH1H681J	CHIP C	680PF	J	
C85			CK73GB1H104K	CHIP C	0.10UF	K	
C86			CK73GB1A105K	CHIP C	1.0UF	K	
C87			CK73GB0J475K	CHIP C	4.7UF	K	
C88			CK73GB1H473K	CHIP C	0.047UF	K	
C89			CK73GB1A105K	CHIP C	1.0UF	K	
C91			CK73GB1H104K	CHIP C	0.10UF	K	
C93-98			CK73GB1H104K	CHIP C	0.10UF	K	
C99			CC73GCH1H060D	CHIP C	6.0PF	D	
C100			CC73GCH1H020C	CHIP C	2.0PF	C	
C101			CK73GB1H104K	CHIP C	0.10UF	K	
C102			CK73GB1H102K	CHIP C	1000PF	K	
C103			CK73GB1H103K	CHIP C	0.010UF	K	
C305-308			CK73GB1H103K	CHIP C	0.010UF	K	
C309			CK73GB1H222K	CHIP C	2200PF	K	
C310			CK73GB1H103K	CHIP C	0.010UF	K	

Ref. No.	Add	New	Parts No.	Description			Destination
C311,312			CC73GCH1H060D	CHIP C	6.0PF	D	
C313			CK73GB1H103K	CHIP C	0.010UF	K	
C315			CK73GB1H104K	CHIP C	0.10UF	K	
C316			CK73GB1H103K	CHIP C	0.010UF	K	
C317,318			CK73GB1H102K	CHIP C	1000PF	K	
C319			CK73GB1A105K	CHIP C	1.0UF	K	
C320			CC73GCH1H070D	CHIP C	7.0PF	D	
CN1		✻	E41-2630-05	FLAT CABLE CONNECTOR			
CN2			E41-2612-05	FLAT CABLE CONNECTOR			
L1		✻	L92-0615-05	CHIP FERRITE			
X1			L77-2863-05	CRYSTAL RESONATOR (16.899M)			
X2		✻	L78-1215-05	RESONATOR (11.500MHZ)			
X3		✻	L77-2923-05	CRYSTAL RESONATOR (6.000MHZ)			
CP2			RK74GA1J101J	CHIP-COM	100	J 1/16W	
CP5			RK74GA1J102J	CHIP-COM	1.0K	J 1/16W	
CP7			RK74HB1J102J	CHIP-COM	1.0K	J 1/16W	
CP10			RK74HB1J103J	CHIP-COM	10K	J 1/16W	
CP11			RK74HB1J472J	CHIP-COM	4.7K	J 1/16W	
CP16			RK74HB1J104J	CHIP-COM	100K	J 1/16W	
CP19			RK74GA1J103J	CHIP-COM	10K	J 1/16W	
CP20-23		✻	RK74HB1J153J	CHIP-COM	15K	J 1/16W	
CP24,25			RK74HB1J100J	CHIP-COM	10	J 1/16W	
CP26		✻	RK74GA1J100J	CHIP-COM	10	J 1/16W	
CP27-30			RK74HB1J100J	CHIP-COM	10	J 1/16W	
CP31			RK74GA1J101J	CHIP-COM	100	J 1/16W	
CP50			RK74HB1J102J	CHIP-COM	1.0K	J 1/16W	
CP52			RK74GA1J472J	CHIP-COM	4.7K	J 1/16W	
CP53			RK74GA1J473J	CHIP-COM	47K	J 1/16W	
CP56,57			RK74GA1J103J	CHIP-COM	10K	J 1/16W	
CP300			RK74HB1J680J	CHIP-COM	68	J 1/16W	
CP301		✻	RK74GA1J680J	CHIP-COM	68	J 1/16W	
CP302,303			RK74HB1J101J	CHIP-COM	100	J 1/16W	
R1			RK73GB2A225J	CHIP R	2.2M	J 1/10W	
R2,3			RK73GB2A223J	CHIP R	22K	J 1/10W	
R5			RK73GB2A101J	CHIP R	100	J 1/10W	
R6			RK73GH2A223D	CHIP R	22K	D 1/10W	
R7			RK73GB2A223J	CHIP R	22K	J 1/10W	
R8			RK73GH2A393D	CHIP R	39K	D 1/10W	
R9			RK73GB2A223J	CHIP R	22K	J 1/10W	
R10			RK73GB2A101J	CHIP R	100	J 1/10W	
R11			RK73GB2A220J	CHIP R	22	J 1/10W	
R12			RK73GB2A223J	CHIP R	22K	J 1/10W	
R13			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R15			RK73GB2A223J	CHIP R	22K	J 1/10W	
R17			RK73GB2A221J	CHIP R	220	J 1/10W	
R18			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R19			RK73GB2A472J	CHIP R	4.7K	J 1/10W	
R20			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R21,22			RK73GB2A104J	CHIP R	100K	J 1/10W	
R23			RK73GB2A103J	CHIP R	10K	J 1/10W	
R24			RK73GB2A104J	CHIP R	100K	J 1/10W	
R25			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R29			RK73GB2A102J	CHIP R	1.0K	J 1/10W	

K2: KDC-MP532U **M2**: KDC-MP5033U **E3**: KDC-W5534U **E4**: KDC-W5534UY
E5: KDC-W534UA **E6**: KDC-W534UAY **E7**: KDC-W534UG **E8**: KDC-W534UGY
(**E**: Europe **K**: North America **M**: Other Areas **W**: Without Europe)

⚠ Indicates safety critical components.

PARTS LIST

CD PLAYER UNIT (X32-5830-00)

Ref. No.	Add	New	Parts No.	Description	Destination
R34			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R35			RK73GB2A104J	CHIP R 100K J 1/10W	
R36			RK73FB2B4R7J	CHIP R 4.7 J 1/8W	
R37			RK73GB2A103J	CHIP R 10K J 1/10W	
R40			RK73GB2A274J	CHIP R 270K J 1/10W	
R41			RK73GB2A103J	CHIP R 10K J 1/10W	
R42			RK73GB2A101J	CHIP R 100 J 1/10W	
R43			RK73GB2A393J	CHIP R 39K J 1/10W	
R44,45			RK73GB2A302J	CHIP R 3.0K J 1/10W	
R48			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R50			RK73GB2A101J	CHIP R 100 J 1/10W	
R51			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R52			RK73GB2A163J	CHIP R 16K J 1/10W	
R53			RK73GB2A123J	CHIP R 12K J 1/10W	
R54			RK73GB2A333J	CHIP R 33K J 1/10W	
R55			RK73GB2A103J	CHIP R 10K J 1/10W	
R56			RK73GB2A123J	CHIP R 12K J 1/10W	
R57,58			RK73GB2A133J	CHIP R 13K J 1/10W	
R59			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R60			RK73GB2A123J	CHIP R 12K J 1/10W	
R61			RK73GB2A183J	CHIP R 18K J 1/10W	
R62			RK73GB2A432J	CHIP R 4.3K J 1/10W	
R63			RK73GB2A133J	CHIP R 13K J 1/10W	
R64			RK73GB2A151J	CHIP R 150 J 1/10W	
R67,68			RK73GB2A152J	CHIP R 1.5K J 1/10W	
R69			RK73GB2A682J	CHIP R 6.8K J 1/10W	
R70			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R71-73			RK73GB2A101J	CHIP R 100 J 1/10W	
R109			RK73GH2A822D	CHIP R 8.2K D 1/10W	
R110			RK73GH2A392D	CHIP R 3.9K D 1/10W	
R112			RK73GH2A682D	CHIP R 6.8K D 1/10W	
R115			RK73GH2A822D	CHIP R 8.2K D 1/10W	
R116			RK73GH2A682D	CHIP R 6.8K D 1/10W	
R118,119			RK73GH2A100D	CHIP R 10 D 1/10W	
R121			RK73GH2A392D	CHIP R 3.9K D 1/10W	
R130			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R132			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R133			RK73GB2A681J	CHIP R 680 J 1/10W	
R138			RK73GB2A101J	CHIP R 100 J 1/10W	
R142			RK73FB2B4R7J	CHIP R 4.7 J 1/8W	
R144			RK73GB2A223J	CHIP R 22K J 1/10W	
R148			RK73GB2A103J	CHIP R 10K J 1/10W	
R151			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R152			RK73GB2A221J	CHIP R 220 J 1/10W	
R153			RK73GB2A100J	CHIP R 10 J 1/10W	
R154,155			RK73GB2A330J	CHIP R 33 J 1/10W	
R300,301			RK73GB2A680J	CHIP R 68 J 1/10W	
R302			RK73GB2A101J	CHIP R 100 J 1/10W	
R304			RK73GB2A101J	CHIP R 100 J 1/10W	
R306,307			RK73GB2A270J	CHIP R 27 J 1/10W	
R308-310			RK73GB2A153J	CHIP R 15K J 1/10W	
R311-316			RK73GB2A100J	CHIP R 10 J 1/10W	
R320-323			RK73GB2A101J	CHIP R 100 J 1/10W	
R336			RK73GB2A101J	CHIP R 100 J 1/10W	
R337			RK73GB2A153J	CHIP R 15K J 1/10W	
R339			RK73GB2A682J	CHIP R 6.8K J 1/10W	
R345			RK73GB2A103J	CHIP R 10K J 1/10W	
R346			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R348			RK73GB2A223J	CHIP R 22K J 1/10W	
R351			RK73GB2A103J	CHIP R 10K J 1/10W	
R353			RK73GB2A473J	CHIP R 47K J 1/10W	
R358,359			RK73GB2A473J	CHIP R 47K J 1/10W	
R361			RK73GB2A223J	CHIP R 22K J 1/10W	
R363			RK73GB2A223J	CHIP R 22K J 1/10W	
R366			RK73GB2A101J	CHIP R 100 J 1/10W	
R368			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R369			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R370			RK73GB2A101J	CHIP R 100 J 1/10W	
R371			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	
R372,373			RK73FB2B2R2J	CHIP R 2.2 J 1/8W	
R374			RK73GB2A473J	CHIP R 47K J 1/10W	
S1,2			S68-0863-05	PUSH SWITCH	
S3			S68-0862-05	PUSH SWITCH	
D2			DA204U	DIODE	
D3			DAN202U	DIODE	
D9			DA204U	DIODE	
IC1		✻	M30620FCPGP	MICROCONTROLLER IC	
IC2			UPD63712GC	MOS-IC	
IC4			BA5824FP	ANALOGUE IC	
IC5		✻	BD33KA5WFP-E2	ANALOGUE IC	
IC13		✻	NJM2100V-ZB	ANALOGUE IC	
IC14			TAR5S50-F	ANALOGUE IC	
IC15			CS7410-IQZ	MOS-IC	
IC16		✻	IC42S164007TIG	DRAM IC	
IC17		✻	29LV800CBTI9V1	ROM IC	
IC18			PCM1754DB	MOS-IC	
IC19		✻	R1114N331B-TR	ANALOGUE IC	
IC20		✻	S-1132B18U5T1G	ANALOGUE IC	
IC21		✻	BD33KA5WFP-E2	ANALOGUE IC	
IC25		✻	TDUHC1240F0C00	MOS-IC	
IC26		✻	TC74LCX00FT-F	MOS-IC	
IC28		✻	TC7WH125FK-F	MOS-IC	
Q3			UMD9N	TRANSISTOR	
Q6			UMD12N	TRANSISTOR	
Q7			DTC124EE	DIGITAL TRANSISTOR	
Q8			2SB0970	TRANSISTOR	
Q9			DTC114YE	DIGITAL TRANSISTOR	
Q10			DTC114YUA	DIGITAL TRANSISTOR	
Q17			DTA143XUA	DIGITAL TRANSISTOR	

ELECTRIC UNIT (X34-412x-xx)

D111			B30-1710-05	LED (RED)	
C1			C90-5683-05	ELECTRO 3300UF 16WV	
C2			CD04AS1C220M	ELECTRO 22UF 16WV	
C3			CD04AT1E101M	ELECTRO 100UF 25WV	
C4			CD04AS1V100M	ELECTRO 10UF 35WV	K2E3E4
C4			CD04AS1V100M	ELECTRO 10UF 35WV	E5E6E7
C4			CD04AS1V100M	ELECTRO 10UF 35WV	E8

K2: KDC-MP532U **M2**: KDC-MP5033U **E3**: KDC-W5534U **E4**: KDC-W5534UY
E5: KDC-W534UA **E6**: KDC-W534UAY **E7**: KDC-W534UG **E8**: KDC-W534UGY
(**E**: Europe **K**: North America **M**: Other Areas **W**: Without Europe)

⚠ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-412x-xx)

Ref. No.	Add	New	Parts No.	Description			Destination
C4,5			CD04AS1V100M	ELECTRO	10UF	35WV	M2
C6-8			CD04AT1C100M	ELECTRO	10UF	16WV	
C9			CD04AS1V100M	ELECTRO	10UF	35WV	
C10			CD04BF1C221M	ELECTRO	220UF	16WV	
C11			CD04AT1C100M	ELECTRO	10UF	16WV	
C12			CD04BA1C220M	ELECTRO	22UF	16WV	
C13			CD04BF1E101M	ELECTRO	100UF	25WV	
C14			CD04BK1A221M	ELECTRO	220UF	10WV	
C16			CK73GB1H104K	CHIP C	0.10UF	K	
C17			CD04AT1C470M	ELECTRO	47UF	16WV	
C51			CK73GB1H102K	CHIP C	1000PF	K	
C52,53			CK73GB1H104K	CHIP C	0.10UF	K	M2
C53			CK73GB1H104K	CHIP C	0.10UF	K	K2E3E4
C53			CK73GB1H104K	CHIP C	0.10UF	K	E5E6E7
C53			CK73GB1H104K	CHIP C	0.10UF	K	E8
C54			CK73GB1H223K	CHIP C	0.022UF	K	
C55			CK73FB1C105K	CHIP C	1.0UF	K	
C56-58			CK73GB1H103K	CHIP C	0.010UF	K	
C80			CK73EB1E225K	CHIP C	2.2UF	K	
C101			CD04AS0J470M	ELECTRO	47UF	6.3WV	
C102			CK73GB1A105K	CHIP C	1.0UF	K	
C103			CK73GB1H104K	CHIP C	0.10UF	K	
C105,106			CC73GCH1H220J	CHIP C	22PF	J	
C107			CK73GB1H102K	CHIP C	1000PF	K	
C108-113			CK73GB1H103K	CHIP C	0.010UF	K	
C114,115			CC73GCH1H221J	CHIP C	220PF	J	
C201-204			C90-5684-05	NP-ELECT	0.22UF	50WV	
C205,206			CD04AS1C101M	ELECTRO	100UF	16WV	
C207			CD04AS1V100M	ELECTRO	10UF	35WV	
C208			CD04AS1H010M	ELECTRO	1UF	50WV	
C209		✻	C90-6802-05	ELECTRO	1UF	50WV	
C210			CD04AS1H010M	ELECTRO	1UF	50WV	
C251			CD04AT1C100M	ELECTRO	10UF	16WV	
C252			CD04AS1V100M	ELECTRO	10UF	35WV	
C253,254			CC73GCH1H681J	CHIP C	680PF	J	
C260-263			CC73GCH1H101J	CHIP C	100PF	J	
C300			CD04AT1A101M	ELECTRO	100UF	10WV	K2M2E3
C300			CD04AT1A101M	ELECTRO	100UF	10WV	E4
C301,302			CD04AT1H010M	ELECTRO	1UF	50WV	K2M2E3
C301,302			CD04AT1H010M	ELECTRO	1UF	50WV	E4
C303,304			CD04AS1HR47M	ELECTRO	0.47UF	50WV	
C311			CC73GCH1H271J	CHIP C	270PF	J	K2M2E3
C311			CC73GCH1H271J	CHIP C	270PF	J	E4
C400			CD04AS1V100M	ELECTRO	10UF	35WV	E3E4E5
C400			CD04AS1V100M	ELECTRO	10UF	35WV	E6E7E8
C401			CK73GB1H103K	CHIP C	0.010UF	K	E3E4E5
C401			CK73GB1H103K	CHIP C	0.010UF	K	E6E7E8
C402			CD04AS1V100M	ELECTRO	10UF	35WV	E3E4E5
C402			CD04AS1V100M	ELECTRO	10UF	35WV	E6E7E8
C403			CC73GCH1H331J	CHIP C	330PF	J	E3E4E5
C403			CC73GCH1H331J	CHIP C	330PF	J	E6E7E8
C404,405			CC73GCH1H100D	CHIP C	10PF	D	E3E4E5
C404,405			CC73GCH1H100D	CHIP C	10PF	D	E6E7E8
C501			CC73GCH1H100D	CHIP C	10PF	D	
C502			CK73GB1H152K	CHIP C	1500PF	K	

Ref. No.	Add	New	Parts No.	Description			Destination
C503			CK73GB1H104K	CHIP C	0.10UF	K	
C504			CK73GB1H103K	CHIP C	0.010UF	K	
C505			CD04AT1V4R7M	ELECTRO	4.7UF	35WV	
C506			CK73GB1H104K	CHIP C	0.10UF	K	
C507			CD04AT1A330M	ELECTRO	33UF	10WV	
C508			CD04AT1C220M	ELECTRO	22UF	16WV	
C509			CC73GCH1H680J	CHIP C	68PF	J	
C510			CC73GCH1H101J	CHIP C	100PF	J	
C511			CK73GB1H103K	CHIP C	0.010UF	K	
C512			CD04AT1V4R7M	ELECTRO	4.7UF	35WV	
C513,514			CK73GB1H103K	CHIP C	0.010UF	K	
C515			CK73FB1C105K	CHIP C	1.0UF	K	
C521			CK73GB1H104K	CHIP C	0.10UF	K	
C522			CC73GCH1H330J	CHIP C	33PF	J	
C523			CC73GCH1H270J	CHIP C	27PF	J	
C524			CC73GCH1H101J	CHIP C	100PF	J	
C525			CK73GB1H103K	CHIP C	0.010UF	K	
C527			CC73GCH1H050C	CHIP C	5.0PF	C	
C528			CK73GB1H102K	CHIP C	1000PF	K	
C529			CC73GCH1H060D	CHIP C	6.0PF	D	
C531			CC73GCH1H040C	CHIP C	4.0PF	C	
C532			CK73FB1C105K	CHIP C	1.0UF	K	
C533			CD04AT1A330M	ELECTRO	33UF	10WV	
C534,535			CK73GB1H103K	CHIP C	0.010UF	K	
C536			CC73GCH1H020C	CHIP C	2.0PF	C	
C537			CC73GCH1H040C	CHIP C	4.0PF	C	
C538,539			CC73GCH1H080D	CHIP C	8.0PF	D	
C541			CC73GCH1H040C	CHIP C	4.0PF	C	
C542			CC73GCH1H220J	CHIP C	22PF	J	
C543			CC73GCH1H680J	CHIP C	68PF	J	
C544			CC73GCH1H150J	CHIP C	15PF	J	
C545			CK73GB1H682K	CHIP C	6800PF	K	
C546			CK73GB1H103K	CHIP C	0.010UF	K	
C547			CD04AT1C100M	ELECTRO	10UF	16WV	
C548			CD04AS1C101M	ELECTRO	100UF	16WV	
C549			CK73GB1H102K	CHIP C	1000PF	K	
C550			CK73GB1H333K	CHIP C	0.033UF	K	
C551			CK73GB1H223K	CHIP C	0.022UF	K	
C552			CK73GB1H222K	CHIP C	2200PF	K	
C553,554			CK73GB1H103K	CHIP C	0.010UF	K	
C555			CK73FB1C105K	CHIP C	1.0UF	K	
C556			CK73GB1H473K	CHIP C	0.047UF	K	E3E4E5
C556			CK73GB1H473K	CHIP C	0.047UF	K	E6E7E8
C556,557			CK73GB1H104K	CHIP C	0.10UF	K	K2M2
C557			CK73GB1H104K	CHIP C	0.10UF	K	E3E4E5
C557			CK73GB1H104K	CHIP C	0.10UF	K	E6E7E8
C558			CD04AT1H010M	ELECTRO	1UF	50WV	
C559			CK73GB1H102K	CHIP C	1000PF	K	
C560			CD04AS1V100M	ELECTRO	10UF	35WV	
C561			CC73GCH1H101J	CHIP C	100PF	J	
C563			CD04AS1C470M	ELECTRO	47UF	16WV	
C565			CK73GB1A474K	CHIP C	0.47UF	K	
C566			CD04AT1HR47M	ELECTRO	0.47UF	50WV	
C567			CC73GCH1H221J	CHIP C	220PF	J	E3E4E5
C567			CC73GCH1H221J	CHIP C	220PF	J	E6E7E8

K2: KDC-MP532U **M2**: KDC-MP5033U **E3**: KDC-W5534U **E4**: KDC-W5534UY
E5: KDC-W534UA **E6**: KDC-W534UAY **E7**: KDC-W534UG **E8**: KDC-W534UGY
(**E**: Europe **K**: North America **M**: Other Areas **W**: Without Europe)

⚠ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-412x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination
C567			CC73GCH1H821J	CHIP C 820PF J	K2M2
C571			CC73GCH1H020C	CHIP C 2.0PF C	
C572			CK73GB1H104K	CHIP C 0.10UF K	
C573			CK73GB1H103K	CHIP C 0.010UF K	
C574			CK73GB1H104K	CHIP C 0.10UF K	
C575			CD04AT1V4R7M	ELECTRO 4.7UF 35WV	
C576			CK73GB1H103K	CHIP C 0.010UF K	
C577			CK73GB1H104K	CHIP C 0.10UF K	
C578			CK73GB1H103K	CHIP C 0.010UF K	K2M2
C578			CK73GB1H821K	CHIP C 820PF K	E3E4E5
C578			CK73GB1H821K	CHIP C 820PF K	E6E7E8
C579			CK73GB1A474K	CHIP C 0.47UF K	
C580			CK73GB1H104K	CHIP C 0.10UF K	K2M2
C581			CK73GB1H104K	CHIP C 0.10UF K	E3E4E5
C581			CK73GB1H104K	CHIP C 0.10UF K	E6E7E8
C582			CK73GB1H103K	CHIP C 0.010UF K	E3E4E5
C582			CK73GB1H103K	CHIP C 0.010UF K	E6E7E8
C583			CC73GCH1H100D	CHIP C 10PF D	
C584			CK73FB1A225K	CHIP C 2.2UF K	
CN1		✻	E41-2358-05	FLAT CABLE CONNECTOR	
CN2			E41-0944-05	PIN ASSY	
⚠ J1			E58-0991-05	RECTANGULAR RECEPTACLE	
J2			E04-0326-05	RF COAXIAL CABLE RECEPTACLE	
J4			E56-0855-05	CYLINDRICAL RECEPTACLE	K2M2E3
J4			E56-0855-05	CYLINDRICAL RECEPTACLE	E4
J5			E58-0992-05	RECTANGULAR RECEPTACLE	
J6			E63-0898-05	PIN JACK	
WH1			E39-0717-05	WIRING HARNESS	K2M2E3
WH1			E39-0717-05	WIRING HARNESS	E4
WH2		✻	E30-6589-05	WIRING HARNESS	E3E4E5
WH2		✻	E30-6589-05	WIRING HARNESS	E6E7E8
CF51			L72-0805-05	CERAMIC FILTER	E3E4E5
CF51			L72-0805-05	CERAMIC FILTER	E6E7E8
CF51-53			L72-0805-05	CERAMIC FILTER	K2M2
CF52,53			L72-0806-05	CERAMIC FILTER	E3E4E5
CF52,53			L72-0806-05	CERAMIC FILTER	E6E7E8
CF54			L72-0804-05	CERAMIC FILTER	
L1		✻	L33-2319-05	CHOKE COIL ASSY	
L2		✻	L33-2335-05	CHOKE COIL	
L3		✻	L92-0616-05	CHIP FERRITE	
L101			L40-4795-91	SMALL FIXED INDUCTOR (4.7UH)	
L400			L40-4795-91	SMALL FIXED INDUCTOR (4.7UH)	E3E4E5
L400			L40-4795-91	SMALL FIXED INDUCTOR (4.7UH)	E6E7E8
L500			L33-2260-05	CHOKE COIL	
L501			L40-6891-58	SMALL FIXED INDUCTOR (6.8UH)	
L502			L40-3301-58	SMALL FIXED INDUCTOR (33UH)	
L503			L40-1021-56	SMALL FIXED INDUCTOR (1MH)	
L504			L40-1011-58	SMALL FIXED INDUCTOR (100UH)	
L505			L31-0979-05	FM-RF COIL (ANT)	
L506			L31-0981-05	FM-RF COIL (RF)	
L507			L32-0945-05	FM OSCILLATING COIL (VCO)	
L508			L30-0779-05	FM IFT	
L509			L30-0781-05	AM IFT	
L510-515			L40-4795-91	SMALL FIXED INDUCTOR (4.7UH)	

Ref. No.	Add	New	Parts No.	Description	Destination
X101			L78-0872-05	RESONATOR (12MHZ)	
X102			L77-2880-05	CRYSTAL RESONATOR (32.768KHZ)	
X400			L77-2002-05	CRYSTAL RESONATOR (4.332MHZ)	E3E4E5
X400			L77-2002-05	CRYSTAL RESONATOR (4.332MHZ)	E6E7E8
X501			L77-2077-05	CRYSTAL RESONATOR (10.25MHZ)	
G	2D		N80-3010-48	PAN HEAD TAPTITE SCREW	
J	2D		N83-3005-48	PAN HEAD TAPTITE SCREW	
K	2D		N83-3020-48	PAN HEAD TAPTITE SCREW	
M	3D		N86-2606-48	BINDING HEAD TAPTITE SCREW	
R1			RK73FB2B102J	CHIP R 1.0K J 1/8W	
R2			RK73FB2B681J	CHIP R 680 J 1/8W	
R3			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R4			RK73GB2A473J	CHIP R 47K J 1/10W	
R5			RK73GB2A562J	CHIP R 5.6K J 1/10W	
R7			RK73GB2A470J	CHIP R 47 J 1/10W	
R9,10			RK73GB2A153J	CHIP R 15K J 1/10W	
R11,12			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R31-38			RK73PB2H2R7J	CHIP R 2.7 J 1/2W	
R51			RK73FB2B683J	CHIP R 68K J 1/8W	
R52			RK73GB2A393J	CHIP R 39K J 1/10W	
R53			RK73GB2A203J	CHIP R 20K J 1/10W	
R54			RK73GB2A104J	CHIP R 100K J 1/10W	
R55-58			RK73GB2A103J	CHIP R 10K J 1/10W	
R59,60			RD14BB2C472J	RD 4.7K J 1/6W	
R61			RK73GB2A103J	CHIP R 10K J 1/10W	
R62			RK73GB2A104J	CHIP R 100K J 1/10W	
R63			RD14DB2H332J	SMALL-RD 3.3K J 1/2W	
R64			RD14BB2C333J	RD 33K J 1/6W	
R65			RK73GB2A103J	CHIP R 10K J 1/10W	
R66			RK73GB2A223J	CHIP R 22K J 1/10W	
R67			RK73GB2A103J	CHIP R 10K J 1/10W	
R68			RK73GB2A223J	CHIP R 22K J 1/10W	
R69			RK73GB2A473J	CHIP R 47K J 1/10W	
R70			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R71			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R80			RK73GB2A473J	CHIP R 47K J 1/10W	
R81			RK73GB2A1R0J	CHIP R 1.0 J 1/10W	
R100			RK73GB2A473J	CHIP R 47K J 1/10W	
R101-104			RK73GB2A103J	CHIP R 10K J 1/10W	
R105			RK73GB2A225J	CHIP R 2.2M J 1/10W	
R106,107			RK73GB2A103J	CHIP R 10K J 1/10W	
R108,109			RK73GB2A473J	CHIP R 47K J 1/10W	
R110			RK73GB2A103J	CHIP R 10K J 1/10W	
R111,112			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R113			RK73GB2A101J	CHIP R 100 J 1/10W	
R114			RK73GB2A473J	CHIP R 47K J 1/10W	
R115,116			RK73GB2A471J	CHIP R 470 J 1/10W	
R117,118			RK73GB2A473J	CHIP R 47K J 1/10W	
R119-121			RK73GB2A104J	CHIP R 100K J 1/10W	
R122			RK73GB2A471J	CHIP R 470 J 1/10W	
R123			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R124			RK73GB2A473J	CHIP R 47K J 1/10W	
R125			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R126			RK73GB2A223J	CHIP R 22K J 1/10W	

K2: KDC-MP532U **M2**: KDC-MP5033U **E3**: KDC-W5534U **E4**: KDC-W5534UY
E5: KDC-W534UA **E6**: KDC-W534UAY **E7**: KDC-W534UG **E8**: KDC-W534UGY
(**E**: Europe **K**: North America **M**: Other Areas **W**: Without Europe)

⚠ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-412x-xx)

Ref. No.	Add	New	Parts No.	Description				Destination
R127-129			RK73GB2A471J	CHIP R	470	J	1/10W	E3E4E5
R127-129			RK73GB2A471J	CHIP R	470	J	1/10W	E6E7E8
R131			RK73GB2A473J	CHIP R	47K	J	1/10W	
R133			RK73GB2A473J	CHIP R	47K	J	1/10W	K2E3E4
R133			RK73GB2A473J	CHIP R	47K	J	1/10W	E5E6E7
R133			RK73GB2A473J	CHIP R	47K	J	1/10W	E8
R133,134			RK73GB2A473J	CHIP R	47K	J	1/10W	M2
R135			RK73GB2A473J	CHIP R	47K	J	1/10W	K2
R135,136			RK73GB2A473J	CHIP R	47K	J	1/10W	E3E4E5
R135,136			RK73GB2A473J	CHIP R	47K	J	1/10W	E6E7E8
R137			RK73GB2A473J	CHIP R	47K	J	1/10W	K2
R137,138			RK73GB2A473J	CHIP R	47K	J	1/10W	M2
R138			RK73GB2A473J	CHIP R	47K	J	1/10W	E5E6E7
R138			RK73GB2A473J	CHIP R	47K	J	1/10W	E8
R139			RK73GB2A473J	CHIP R	47K	J	1/10W	K2E3E4
R140,141			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R142			RK73GB2A123J	CHIP R	12K	J	1/10W	
R143			RK73GB2A333J	CHIP R	33K	J	1/10W	
R144			RK73GB2A103J	CHIP R	10K	J	1/10W	
R145			RK73GB2A473J	CHIP R	47K	J	1/10W	
R146,147			RK73GB2A471J	CHIP R	470	J	1/10W	
R150			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R151			RK73GB2A101J	CHIP R	100	J	1/10W	
R152			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R154-156			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R157,158			RK73GB2A471J	CHIP R	470	J	1/10W	
R159,160			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R161			RK73GB2A104J	CHIP R	100K	J	1/10W	
R162,163			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R164			RK73GB2A471J	CHIP R	470	J	1/10W	
R165			RK73GB2A104J	CHIP R	100K	J	1/10W	
R166			RK73GB2A471J	CHIP R	470	J	1/10W	
R167			RK73GB2A104J	CHIP R	100K	J	1/10W	
R168			RK73GB2A471J	CHIP R	470	J	1/10W	
R169			RK73GB2A104J	CHIP R	100K	J	1/10W	
R170			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R171			RK73EB2E101J	CHIP R	100	J	1/4W	
R172			RK73EB2E102J	CHIP R	1.0K	J	1/4W	
R173-177			RK73EB2E101J	CHIP R	100	J	1/4W	
R178			RK73EB2E102J	CHIP R	1.0K	J	1/4W	
R179			RK73EB2E101J	CHIP R	100	J	1/4W	
R180			RK73EB2E102J	CHIP R	1.0K	J	1/4W	
R181,182			RK73GB2A474J	CHIP R	470K	J	1/10W	
R183			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R184			RK73GB2A241J	CHIP R	240	J	1/10W	
R185			RK73GB2A474J	CHIP R	470K	J	1/10W	
R186			RK73GB2A471J	CHIP R	470	J	1/10W	
R187,188			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R189			RK73GB2A474J	CHIP R	470K	J	1/10W	
R190			RK73EB2E102J	CHIP R	1.0K	J	1/4W	E3E4E5
R190			RK73EB2E102J	CHIP R	1.0K	J	1/4W	E6E7E8
R201-211			RK73GB2A104J	CHIP R	100K	J	1/10W	
R212			RK73GB2A223J	CHIP R	22K	J	1/10W	
R213			RK73GB2A153J	CHIP R	15K	J	1/10W	
R214,215			RK73GB2A334J	CHIP R	330K	J	1/10W	

Ref. No.	Add	New	Parts No.	Description				Destination
R216			RK73FB2B102J	CHIP R	1.0K	J	1/8W	
R217			RK73GB2A154J	CHIP R	150K	J	1/10W	
R218			RK73GB2A473J	CHIP R	47K	J	1/10W	
R219			RK73GB2A431J	CHIP R	430	J	1/10W	
R220			RK73GB2A100J	CHIP R	10	J	1/10W	
R221			RK73GB2A432J	CHIP R	4.3K	J	1/10W	
R222			RK73GB2A154J	CHIP R	150K	J	1/10W	
R223			RK73GB2A331J	CHIP R	330	J	1/10W	
R224			RK73GB2A123J	CHIP R	12K	J	1/10W	
R251,252			RK73GB2A331J	CHIP R	330	J	1/10W	
R253,254			RD14BB2C223J	RD	22K	J	1/6W	
R255,256			RD14BB2C181J	RD	180	J	1/6W	
R300			RD14BB2C4R7J	RD	4.7	J	1/6W	K2M2E3
R300			RD14BB2C4R7J	RD	4.7	J	1/6W	E4
R301,302			RD14BB2C100J	RD	10	J	1/6W	K2M2E3
R301,302			RD14BB2C100J	RD	10	J	1/6W	E4
R303			RK73EB2E101J	CHIP R	100	J	1/4W	K2M2E3
R303			RK73EB2E101J	CHIP R	100	J	1/4W	E4
R304-308			RK73EB2E472J	CHIP R	4.7K	J	1/4W	K2M2E3
R304-308			RK73EB2E472J	CHIP R	4.7K	J	1/4W	E4
R309,310			RK73EB2E101J	CHIP R	100	J	1/4W	K2M2E3
R309,310			RK73EB2E101J	CHIP R	100	J	1/4W	E4
R311			RK73GB2A473J	CHIP R	47K	J	1/10W	K2M2E3
R311			RK73GB2A473J	CHIP R	47K	J	1/10W	E4
R401			RK73GB2A102J	CHIP R	1.0K	J	1/10W	E3E4E5
R401			RK73GB2A102J	CHIP R	1.0K	J	1/10W	E6E7E8
R402			RK73GB2A472J	CHIP R	4.7K	J	1/10W	E3E4E5
R402			RK73GB2A472J	CHIP R	4.7K	J	1/10W	E6E7E8
R405			RK73GB2A472J	CHIP R	4.7K	J	1/10W	E3E4E5
R405			RK73GB2A472J	CHIP R	4.7K	J	1/10W	E6E7E8
R406-408			RK73GB2A222J	CHIP R	2.2K	J	1/10W	E3E4E5
R406-408			RK73GB2A222J	CHIP R	2.2K	J	1/10W	E6E7E8
R501			RK73GB2A682J	CHIP R	6.8K	J	1/10W	
R502			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R503			RK73EB2E222J	CHIP R	2.2K	J	1/4W	
R504			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R505			RK73GB2A105J	CHIP R	1.0M	J	1/10W	
R506			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R521-524			RK73GB2A104J	CHIP R	100K	J	1/10W	
R525			RK73GB2A331J	CHIP R	330	J	1/10W	E3E4E5
R525			RK73GB2A331J	CHIP R	330	J	1/10W	E6E7E8
R525			RK73GB2A821J	CHIP R	820	J	1/10W	K2M2
R526			RK73GB2A562J	CHIP R	5.6K	J	1/10W	
R527			RK73GB2A104J	CHIP R	100K	J	1/10W	
R528			RD14BB2C104J	RD	100K	J	1/6W	
R541			RK73GB2A562J	CHIP R	5.6K	J	1/10W	
R542			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R543			RK73GB2A220J	CHIP R	22	J	1/10W	
R544			RK73GB2A432J	CHIP R	4.3K	J	1/10W	
R545			RK73GB2A333J	CHIP R	33K	J	1/10W	
R546			RK73GB2A104J	CHIP R	100K	J	1/10W	
R547,548			RK73GB2A471J	CHIP R	470	J	1/10W	
R549			RK73GB2A473J	CHIP R	47K	J	1/10W	
R561			RK73GB2A272J	CHIP R	2.7K	J	1/10W	
R581			RK73GB2A102J	CHIP R	1.0K	J	1/10W	

K2: KDC-MP532U **M2**: KDC-MP5033U **E3**: KDC-W5534U **E4**: KDC-W5534UY
E5: KDC-W534UA **E6**: KDC-W534UAY **E7**: KDC-W534UG **E8**: KDC-W534UGY
(**E**: Europe **K**: North America **M**: Other Areas **W**: Without Europe)

⚠ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-412x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination
R582			RD14BB2C1R0J	RD 1.0 J 1/6W	
W50			R92-1252-05	CHIP R 0 OHM J 1/16W	E3E4E5
W50			R92-1252-05	CHIP R 0 OHM J 1/16W	E6E7E8
W210			R92-1252-05	CHIP R 0 OHM J 1/16W	
W402			R92-1252-05	CHIP R 0 OHM J 1/16W	E3E4E5
W402			R92-1252-05	CHIP R 0 OHM J 1/16W	E6E7E8
W415			R92-2053-05	CHIP R 0 OHM J 1/8W	
W500			R92-1252-05	CHIP R 0 OHM J 1/16W	
W507			R92-1252-05	CHIP R 0 OHM J 1/16W	
W508			R92-2053-05	CHIP R 0 OHM J 1/8W	
W509			R92-1252-05	CHIP R 0 OHM J 1/16W	
W510			R92-2053-05	CHIP R 0 OHM J 1/8W	
W511			R92-1252-05	CHIP R 0 OHM J 1/16W	
W521			R92-1252-05	CHIP R 0 OHM J 1/16W	
W523,524			R92-1252-05	CHIP R 0 OHM J 1/16W	
W533			R92-2053-05	CHIP R 0 OHM J 1/8W	
W534			R92-1252-05	CHIP R 0 OHM J 1/16W	
W535			R92-2053-05	CHIP R 0 OHM J 1/8W	
W537			R92-1252-05	CHIP R 0 OHM J 1/16W	
W601-603			R92-1252-05	CHIP R 0 OHM J 1/16W	
S101			S74-0822-05	MICRO SWITCH	
S102			S70-0931-05	TACT SWITCH	
D1			S2V60✻A	DIODE	
D2			02DZ8.2F-Y	ZENER DIODE	
D3			02DZ12F-Y	ZENER DIODE	
D4			BAV70W	DIODE	
D5		✻	RB081L-20	DIODE	
D6			02DZ6.8F-Y	ZENER DIODE	
D8			02DZ16F-Y	ZENER DIODE	
D9,10			IMSA-6802-E	SURGE ABSORBER	
D51,52			02DZ6.8F-Y	ZENER DIODE	
D53			D1F60-5063	DIODE	K2
D53-56			D1F60-5063	DIODE	M2E3E4
D53-56			D1F60-5063	DIODE	E5E6E7
D53-56			D1F60-5063	DIODE	E8
D55			D1F60-5063	DIODE	K2
D57			02DZ6.8F-Y	ZENER DIODE	
D58			02DZ4.7F-Y	ZENER DIODE	
D102			1SS355	DIODE	
D103			02DZ6.2F-Y	ZENER DIODE	
D112-114			1SS355	DIODE	
D201			02DZ4.7F-Y	ZENER DIODE	
D202			1SS355	DIODE	
D300			02DZ6.2F-Y	ZENER DIODE	K2M2E3
D300			02DZ6.2F-Y	ZENER DIODE	E4
D301,302			02DZ6.8F-Y	ZENER DIODE	K2M2E3
D301,302			02DZ6.8F-Y	ZENER DIODE	E4
D303-310			02DZ6.2F-Y	ZENER DIODE	K2M2E3
D303-310			02DZ6.2F-Y	ZENER DIODE	E4
D501			IMSA-6802-E	SURGE ABSORBER	
D502,503			RN739F	DIODE	
D504-506			KV1720STL-G	VARIABLE CAPACITANCE DIODE	
D508,509			02DZ6.8F-Y	ZENER DIODE	
D510			1SS355	DIODE	

Ref. No.	Add	New	Parts No.	Description	Destination
IC1			BA4911-V4	ANALOGUE IC	
IC2		✻	SI-8050RF3NF	ANALOGUE IC	
IC3		✻	MIC2026-1YM	MOS-IC	
IC10			E-TDA7513T	ANALOGUE IC	
IC101		✻	30302MEPA22GP	MICROCONTROLLER IC	
IC102			S-80836CNNB-J	MOS-IC	
IC103			BR24L04FV-W	ROM IC	
IC201			TB2903HQ	ANALOGUE IC	K2M2E3
IC201			TB2903HQ	ANALOGUE IC	E4
IC201			TB2904HQ	ANALOGUE IC	E5E6E7
IC201			TB2904HQ	ANALOGUE IC	E8
IC400			E-TDA7479AD	ANALOGUE IC	E3E4E5
IC400			E-TDA7479AD	ANALOGUE IC	E6E7E8
Q1			2SB1565	TRANSISTOR	
Q2			2SC4155A (Q,R,S	TRANSISTOR	
Q3			UMC2N	TRANSISTOR	
Q4			2SB1243	TRANSISTOR	
Q5			2SC4155A (Q,R,S	TRANSISTOR	
Q6			UMC2N	TRANSISTOR	
Q7			2SA1036K	TRANSISTOR	
Q8			UMC2N	TRANSISTOR	
Q9			2SB1243	TRANSISTOR	
Q10			2SC4155A (Q,R,S	TRANSISTOR	
Q11			RT1N441M	TRANSISTOR	
Q12			2SA1577	TRANSISTOR	
Q13			DTC123JUA	DIGITAL TRANSISTOR	
Q51,52			2SC4155A (Q,R,S	TRANSISTOR	
Q53			RT1N441M	TRANSISTOR	
Q54			2SC4155A (Q,R,S	TRANSISTOR	
Q101			RT1P241M	TRANSISTOR	
Q102			2SC4155A (Q,R,S	TRANSISTOR	
Q103,104			RT1N441M	TRANSISTOR	
Q105			RT1P241M	TRANSISTOR	
Q201,202			2SA1603A	TRANSISTOR	
Q203			2SC4155A (Q,R,S	TRANSISTOR	
Q204			DTC114YUA	DIGITAL TRANSISTOR	
Q251,252			RT1N430M	TRANSISTOR	
Q400			2SC4155A (Q,R,S	TRANSISTOR	E3E4E5
Q400			2SC4155A (Q,R,S	TRANSISTOR	E6E7E8
Q501			HN3G01J (BL)-F	TRANSISTOR	
Q502			3SK126-F	DUAL FET	
Q503			UMG4N	TRANSISTOR	E3E4E5
Q503			UMG4N	TRANSISTOR	E6E7E8
Q504			UMA1N	TRANSISTOR	E3E4E5
Q504			UMA1N	TRANSISTOR	E6E7E8
TH1			PRF18BE471QS2	POSITIVE RESISTOR	

DAUGHTER UNIT (X89-2902-70)

C221,222			CD04AS1V100M	ELECTRO	10UF	35WV	K2M2E3
C221,222			CD04AS1V100M	ELECTRO	10UF	35WV	E4
C223			CK73GB1H102K	CHIP C	1000PF	K	K2M2E3
C223			CK73GB1H102K	CHIP C	1000PF	K	E4
CN90			E41-0956-05	PIN ASSY			K2M2E3
CN90			E41-0956-05	PIN ASSY			E4
CN91			E41-0930-05	PIN ASSY			K2M2E3

K2: KDC-MP532U **M2**: KDC-MP5033U **E3**: KDC-W5534U **E4**: KDC-W5534UY
E5: KDC-W534UA **E6**: KDC-W534UAY **E7**: KDC-W534UG **E8**: KDC-W534UGY
(**E**: Europe **K**: North America **M**: Other Areas **W**: Without Europe)

⚠ Indicates safety critical components.

PARTS LIST

DAUGHTER UNIT (X89-2902-70)

Ref. No.	Add	New	Parts No.	Description	Destination
CN91			E41-0930-05	PIN ASSY	E4
R221,222			RK73GB2A271J	CHIP R 270 J 1/10W	K2M2E3
R221,222			RK73GB2A271J	CHIP R 270 J 1/10W	E4
R225,226			RK73GB2A303J	CHIP R 30K J 1/10W	K2M2E3
R225,226			RK73GB2A303J	CHIP R 30K J 1/10W	E4
R229,230			RD14BB2C101J	RD 100 J 1/6W	K2M2E3
R229,230			RD14BB2C101J	RD 100 J 1/6W	E4
R231			RK73GB2A1R0J	CHIP R 1.0 J 1/10W	K2M2E3
R231			RK73GB2A1R0J	CHIP R 1.0 J 1/10W	E4
Q221,222			DTC143TUA	DIGITAL TRANSISTOR	K2M2E3
Q221,222			DTC143TUA	DIGITAL TRANSISTOR	E4
Q225			DTA124EUA	DIGITAL TRANSISTOR	K2M2E3
Q225			DTA124EUA	DIGITAL TRANSISTOR	E4
MECHANISM ASSY (X92-5440-00: K2/M2, X92-5440-04: E3/E4/E5/E6/E7/E8)					
2	1B		A10-4827-32	CHASSIS	
5	2B		D10-4576-93	ARM ASSY	
8	2A		D10-4787-63	LEVER ASSY	E3E4E5
8	2A		D10-4787-63	LEVER ASSY	E6E7E8
8	2A	✻	D10-4901-13	LEVER ASSY	K2M2
10	2A		D10-4581-13	ARM	
11	2A		D10-4582-13	ARM	
12	3A		D10-4583-03	ARM	
13	3A		D10-4584-03	ARM	
14	3B		D10-4585-03	ARM	
15	2A		D10-4586-13	SLIDER	
16	3B		D10-4587-52	SLIDER	
17	2B		D10-4588-13	SLIDER	
18	2B		D10-4595-04	ARM	
19	2B		D10-4596-24	ARM	
22	2A		D13-2151-04	GEAR	
23	2B		D13-2152-04	GEAR	
24	3B		D13-2153-04	GEAR	
25	3B		D13-2154-04	GEAR	
26	3B		D13-2155-04	WORM	
27	2B		D13-2156-14	GEAR	
28	3B		D13-2157-04	GEAR	
29	2B		D13-2158-04	GEAR	
30	2B		D13-2168-04	GEAR	
31	3B		D13-2171-04	GEAR	
32	1B		D13-2172-13	RACK (GEAR)	
33	2A		D14-0759-04	ROLLER	
35	2B		D21-2382-04	SHAFT	
36	1A		D23-0954-04	RETAINER	
37	1B		D39-0246-05	DAMPER	K2M2
37	1B		D39-0260-05	DAMPER	E3E4E5
37	1B		D39-0260-05	DAMPER	E6E7E8
38	2B		G01-3072-04	EXTENSION SPRING	
39	2A		G01-3073-04	TORSION COIL SPRING	
40	2A		G01-3074-04	EXTENSION SPRING	
41	1B		G01-3075-24	EXTENSION SPRING	
42	2A		G01-3076-04	EXTENSION SPRING	
43	1B		G01-3077-14	EXTENSION SPRING	

Ref. No.	Add	New	Parts No.	Description	Destination
44	2B		G02-1399-04	FLAT SPRING	
45	2B		G02-1408-04	FLAT SPRING	
46	3B		F09-1804-04	SHEET	E3E4E5
46	3B		F09-1804-04	SHEET	E6E7E8
47	3A	✻	F09-2824-14	SHEET	
51	1A		J21-9676-32	MOUNTING HARDWARE	
52	3B		J21-9677-22	MOUNTING HARDWARE	
53	1B		J21-9678-13	MOUNTING HARDWARE	
55	1A		J90-1001-11	GUIDE	
56	1B		J90-1023-03	GUIDE	
DFPC1	3A		J86-0027-05	FPC (LEAD FREE)	
A	2B		N09-4460-15	TAPTITE SCREW (PT2X8)	
B	1B		N09-4472-25	MACHINE SCREW (M1.7X8.0)	
C	2B		N09-6004-15	MACHINE SCREW (M1.7X2.5)	
E	2B		N09-6007-15	MACHINE SCREW (PAN M2X2)	
F	1A		N09-6051-15	TAPTITE SCREW (BIND PT2X5)	
G	2A		N19-2163-04	FLAT WASHER (1.6X6X0.25)	
H	1B		N39-2020-46	PAN HEAD MACHINE SCREW (M2X2)	
J	1B		N09-6108-15	TAPTITE SCREW (M2X3.5)	
K	3B		N09-6155-15	SEMS (TAPTITE SCREW) (PT2X6)	
DM1	3B		T42-1066-14	DC MOTOR (SPINDLE)	
DM2	2B		T42-1067-14	DC MOTOR (LOADING)	
DPU1	2B		X93-2010-01	OPTICAL PICKUP ASSY (LEAD FREE)	

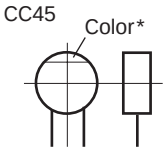
K2: KDC-MP532U **M2**: KDC-MP5033U **E3**: KDC-W5534U **E4**: KDC-W5534UY
E5: KDC-W534UA **E6**: KDC-W534UAY **E7**: KDC-W534UG **E8**: KDC-W534UGY
(**E**: Europe **K**: North America **M**: Other Areas **W**: Without Europe)

⚠ Indicates safety critical components.

CAPACITORS

C C 4 5 T H 1 H 2 2 0 J
1 2 3 4 5 6

1 = Type ... ceramic, electrolytic, etc.
2 = Shape ... round, square, etc.
3 = Temp. coefficient
4 = Voltage rating
5 = Value
6 = Tolerance



• Capacitor value

010 = 1pF
100 = 10pF
101 = 100pF
102 = 1000pF = 0.001µF
103 = 0.01µF

2 2 0 = 22pF
Multiplier
2nd number
1st number

• Temperature coefficient

1st Word	C	L	P	R	S	T	U
Color*	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	–80	–150	–220	–330	–470	–750

2nd Word	G	H	J	K	L
ppm/°C	±30	±60	±120	±250	±500

Example : CC45TH = –470±60ppm/°C

• Tolerance (More than 10pF)

Code	C	D	G	J	K	M	X	Z	P	No code
(%)	±0.25	±0.5	±2	±5	±10	±20	+40 –20	+80 –20	+100 –0	More than 10µF : –10~+50 Less than 4.7µF : –10~+75

(Less than 10pF)

Code	B	C	D	F	G
(pF)	±0.1	±0.25	±0.5	±1	±2

• Voltage rating

1st word \ 2nd word	A	B	C	D	E	F	G	H	J	K	V
0	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	–
1	10	12.5	16	20	25	31.5	40	50	63	80	35
2	100	125	160	200	250	315	400	500	630	800	–
3	1000	1250	1600	2000	2500	2150	4000	5000	6300	8000	–

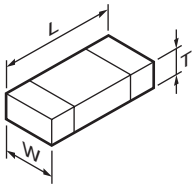
CHIP CAPACITORS

(EX) C C 7 3 F S L 1 H 0 0 0 J
1 2 3 4 5 6 7
(Chip) (CH, RH, UJ, SL)

(EX) C K 7 3 F F 1 H 0 0 0 Z
1 2 3 4 5 6 7
(Chip) (B, F)

Refer to the table above.
1 = Type
2 = Shape
3 = Dimension
4 = Temp. coefficient
5 = Voltage rating
6 = Value
7 = Tolerance

• Dimension



Chip capacitor

Code	L	W	T
Empty	5.6±0.5	5.0±0.5	Less than 2.0
A	4.5±0.5	3.2±0.4	Less than 2.0
B	4.5±0.5	2.0±0.3	Less than 2.0
C	4.5±0.5	1.25±0.2	Less than 1.25
D	3.2±0.4	2.5±0.3	Less than 1.5
E	3.2±0.2	1.6±0.2	Less than 1.25
F	2.0±0.3	1.25±0.2	Less than 1.25
G	1.6±0.2	0.8±0.2	Less than 1.0
H	1.0±0.05	0.5±0.05	0.5±0.05

Chip resistor

Code	L	W	T
E	3.2±0.2	1.6±0.2	1.0
F	2.0±0.3	1.25±0.2	1.0
G	1.6±0.2	0.8±0.2	0.5±0.1
H	1.0±0.05	0.5±0.05	0.35±0.05

RESISTORS

• Chip resistor (Carbon)

(EX) R D 7 3 E B 2 B 0 0 0 J
1 2 3 4 5 6 7
(Chip) (B, F)

• Carbon resistor (Normal type)

(EX) R D 1 4 B B 2 C 0 0 0 J
1 2 3 4 5 6 7
(Chip) (B, F)

1 = Type ... ceramic, electrolytic, etc.
2 = Shape ... round, square, etc.
3 = Dimension
4 = Temp. coefficient
5 = Voltage rating
6 = Value
7 = Tolerance

• Rating wattage

Code	Wattage	Code	Wattage	Code	Wattage
1J	1/16W	2C	1/6W	3A	1W
2A	1/10W	2E	1/4W	3D	2W
2B	1/8W	2H	1/2W		

KDC-MP5033U/MP532U
KDC-W534UA/UAY/UG/UGY/W5534U/UY

SPECIFICATIONS

FM tuner section

Frequency range
- KDC-MP5033U/W534U/W5534U ..... 87.5MHz~108.0MHz (50kHz space)
- KDC-MP5033U/532U ..... 87.9MHz~107.9MHz (200kHz space)

Usable sensitivity
- KDC-MP5033U/532U (S/N=30dB) 9.3dBf (0.8µV/75Ω)
- KDC-W534U/W5534U (S/N=26dB) 0.7µV/75Ω

Quieting Sensitivity
- KDC-MP5033U/532U (S/N=50dB) 15.2dBf (1.6µV/75Ω)
- KDC-W534U/W5534U (S/N=46dB) 1.6µV/75Ω

Frequency response (±3.0dB) ..... 30Hz~15kHz

Signal to Noise ratio (MONO)
- KDC-MP5033U/532U 70dB
- KDC-W534U/W5534U 65dB

Selectivity (±400kHz) ..... ≧80dB

Stereo separation (1kHz)
- KDC-MP5033U/532U 40dB
- KDC-W534U/W5534U 35dB

AM tuner section (KDC-MP5033U/MP532U)

Frequency range
- KDC-MP5033U ..... 531kHz~1611kHz (9kHz space)
- KDC-MP5033U/MP532U ..... 530kHz~1700kHz (10kHz space)

Usable sensitivity (S/N=20dB) 28dBµ (25µV)

MW tuner section (KDC-W534U/W5534U)

Frequency range (9kHz space) ..... 531kHz~1611kHz

Usable sensitivity (S/N=20dB) 25µV

LW tuner section (KDC-W534U/W5534U)

Frequency range ..... 153kHz~281kHz

Usable sensitivity (S/N=20dB) 45µV

CD player section

Laser diode ..... GaAlAs

Digital filter (D/A) ..... 8 Times Over Sampling

D/A Converter 1Bit

Spindle speed ..... 1000~400rpm (CLV 2times)

Wow & Flutter ..... Below Measurable Limit

Frequency response (±1dB) ..... 10Hz~20kHz

Total harmonic distortion (1kHz)
- KDC-MP5033U/W534U/W5534U 0.008%
- KDC-MP532U 0.01%

Signal to Noise ratio (1kHz)
- KDC-MP5033U/W534U/W5534U 110dB
- KDC-MP532U 105dB

Dynamic range 93dB

MP3 decode ..... Compliant with MPEG-1/2 Audio Layer-3

WMA decode ..... Compliant with Windows Media Audio

AAC decode ..... AAC-LC ".m4a" files

Audio section

Maximum output power
- KDC-MP5033U/MP532U/W5534U ..... 50W x 4
- KDC-W534U ..... 45W x 4

Full Bandwidth Power (at less than 1% THD)
- KDC-MP5033U/MP532U ..... 22W x 4

Output power (DIN 45324, +B=14.4V)
- KDC-W534U ..... 28W x 4
- KDC-W5534U ..... 30W x 4

Speaker impedance ..... 4~8Ω

Tone action
- Bass ..... 100Hz±8dB
- Middle ..... 1kHz±8dB
- Treble ..... 10kHz±8dB

Preout level/Load (during disc play) 2000mV/10kΩ

Preout impedance ..... ≦600Ω

USB Interface

USB Standard USB1.1/2.0

File System FAT16/32

Maximum Supply current 500mA

MP3 decode ..... Compliant with MPEG-1/2 Audio Layer-3

WMA decode ..... Compliant with Windows Media Audio

AAC decode ..... AAC-LC ".m4a" files

General

Operating voltage (11~16V allowable) 14.4V

Current consumption 10A

Installation Size (W x H x D) ..... 182 x 53 x 155mm
..... 7-3/16 x 2-1/16 x 6-1/8inch

Weight 3.1lbs (1.40kg)

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

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