

CD RECEIVER

# KDC-MP4032

## SERVICE MANUAL

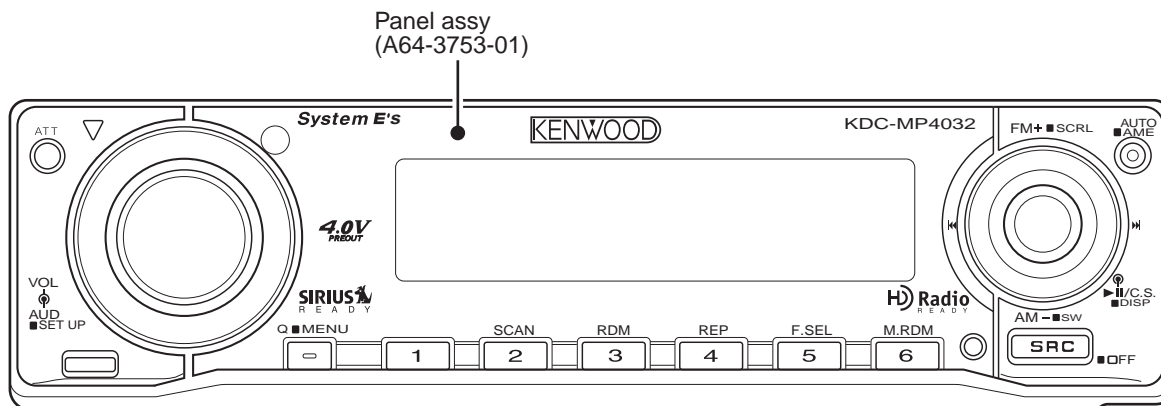
# KENWOOD

Kenwood Corporation

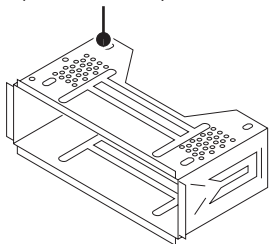
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B53-0358-00 (N) 600

### SPARE TDF PANEL

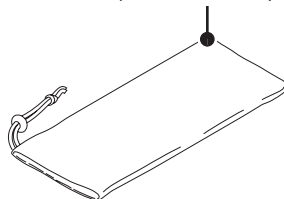
MAIN UNIT NAME	TDF PARTS No.	TDF NAME
KDC-MP4032	Y33-2400-60	TDF-MP64DB



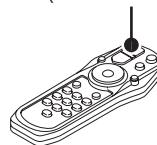
Mounting hardware assy (J22-0011-03)



Carrying case (W01-1661-05)

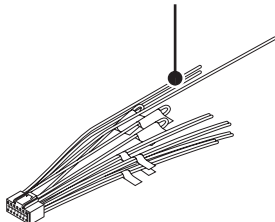


Remote controller assy (RC-517) (A70-2069-15)

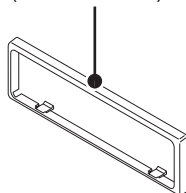


Battery (Not supplied)

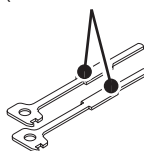
DC cord (E30-6428-05)



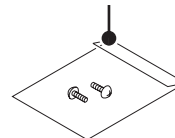
Escutcheon (B07-3125-01)



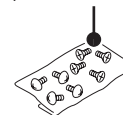
Lever (D10-4589-04) x2



Screw set (N99-1780-05)



Screw set (N99-1757-05)



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



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



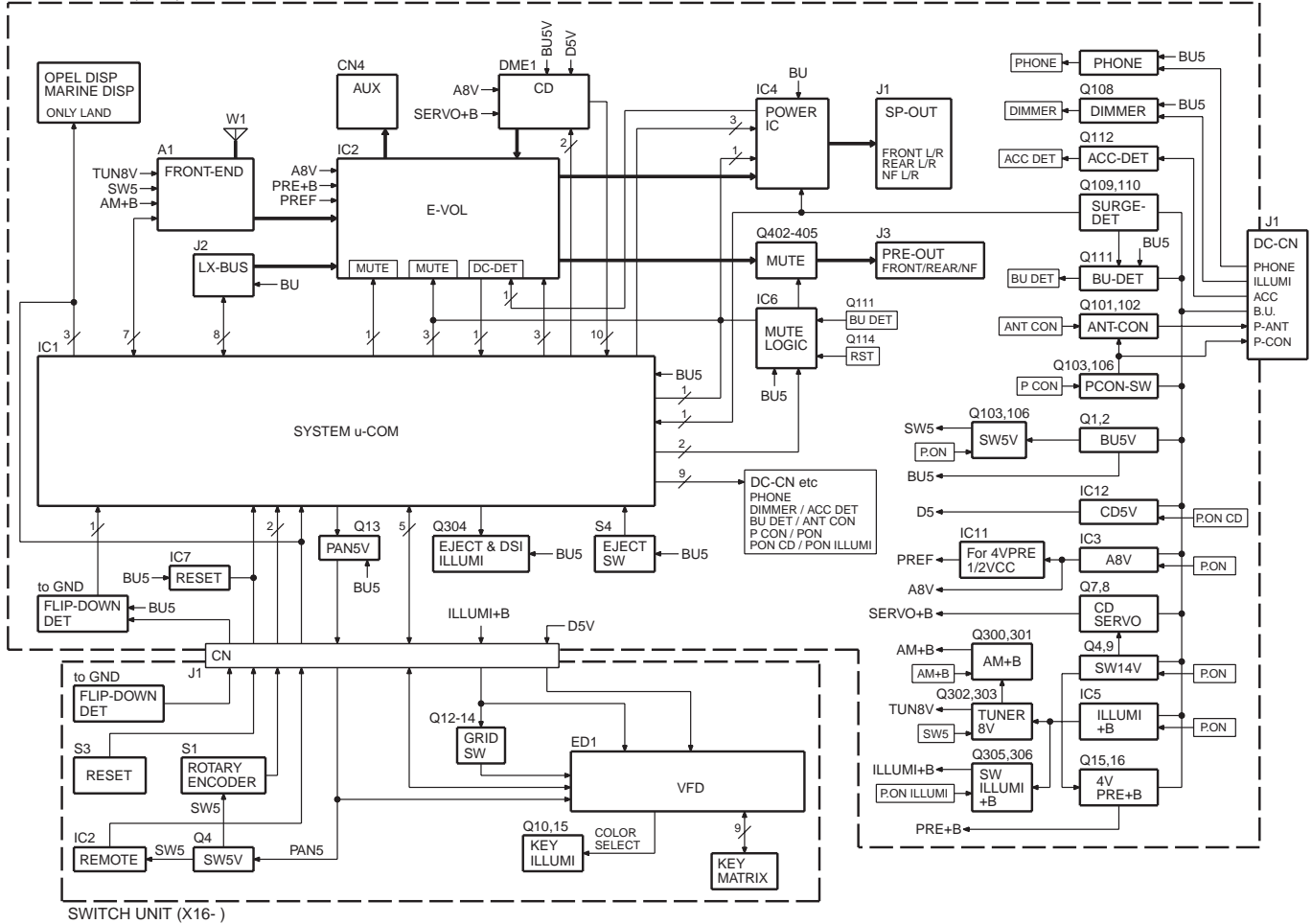
This product uses Lead Free solder.



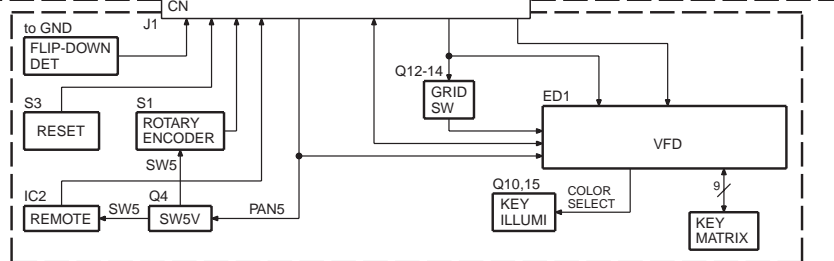
# KDC-MP4032

## BLOCK DIAGRAM

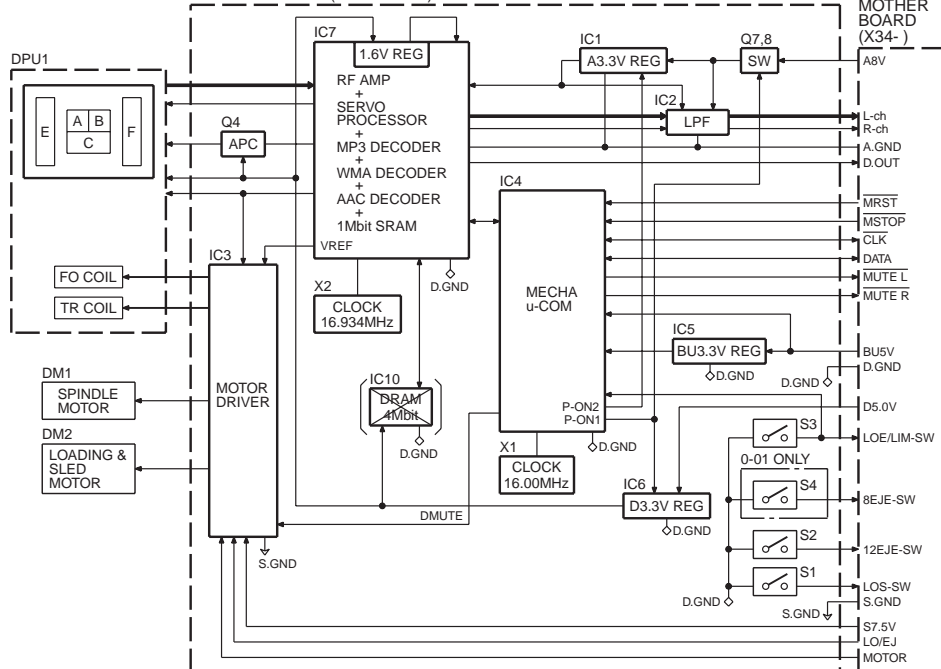
### ELECTRIC UNIT (X34-)



### SWITCH UNIT (X16-)



### CD PLAYER UNIT (X32-586x-xx)



## COMPONENTS DESCRIPTION

## ● ELECTRIC UNIT (X34-4180-10)

Ref. No.	Application / Function	Operation / Condition
IC1	System $\mu$ -COM	Controls FM/AM tuner, the changer, CD mechanism, panel, volume and tone.
IC2	E-VOL	Controls the source, volume, tone.
IC3	A8V Ref Power Supply	Outputs 1.27V.
IC4	Power IC	Amplifies the front L/R and the rear L/R to 50W or 47W maximum.
IC5	ILL+B Power Supply	Outputs 11.25V.
IC6	Muting logic IC	Controls logic for muting.
IC7	Reset IC	"L" when detection voltage goes below 3.6V or less.
IC11	4V preout Power Supply	Outputs reference voltage for 4V preout.
IC12	SW Regulator	Power supply for CD mechanism and VFD.
IC902	SVR & 3.3V Supply	Outputs SVR voltage and 3.3V.
Q1,2	B.U.5V AVR	While BU is applied, BU5V AVR outputs +5V.
Q3,11	SW5V	When Q11's base goes Hi, SW5V outputs +5V.
Q4,9	SW14V	When Q9's base goes Hi, SW14V outputs 14V.
Q5,6	AUDIO8V AVR	When Q6's 2nd pin goes Hi, A8V AVR outputs 8.0V.
Q7,8	SERVO+B AVR	When Q8's base goes Hi, S+B AVR outputs 7.5V.
Q12	SW for IC12	When Q12's base goes Lo, IC12 is turned on.
Q13	PANEL5V	When Q13's base goes Lo, PANEL5V outputs 5V.
Q14	4V PRE+B Short-circuited Protection	If Q15's emitter is short-circuited to GND, Q14's emitter goes to GND, then between Q14's base and emitter have more than 0.6V, and Q14 is turned on and Q15 is turned off.
Q15,16	4V PRE+B	When Q15's base goes Hi, 4V PRE+B outputs 12V.
Q101,102	P-ANT SW	When Q102's base goes Hi, P-ANT SW outputs 14V.
Q103,106	P-CON SW	When Q106's base goes Hi, AVR outputs 14V.
Q104,105	P-CON Protection	Sets output protection when P-CON output is grounded. Protects Q103's malfunction when P-CON SW is turned on.
Q108	Small Lamp Det SW	When Q108's base goes Hi, Q108 is turned on.
Q109,110	Serge Det.	When Q109's base goes Hi, IC4 is changed into STANDBY source.
Q111	BU Det	When Q111's base goes Hi, Q111 is turned on.
Q112	ACC Det	When Q112's base goes Hi, Q112 is turned on.
Q113	Mute-Driver	When a base goes Lo, preout mute driver is turned on.
Q114	Mute-Driver	Q114 is turned on by RST.
Q115,116	Preout mute driver	When a base goes Lo, mute driver is turned on.
Q299	Tuner8V SW	When Q299's 2nd pin goes Hi, Tuner8V outputs 8V.
Q300,301	AM+B	When Q301's base goes Hi, AM+B is output.
Q302,303	Tuner8V	When Q303's base goes Hi, Tuner8V outputs 8V.
Q304	DSI Driver	DSI lights when the base is "H". DSI turns off when the base is "L". DSI turns on and off when panel is taken off.
Q305,306	SW ILLUMI+B	When Q306's base goes Hi, SW ILLUMI+B outputs 11V.
Q400-405	Preout mute SW	When a base goes Hi, Preout is muted.
Q905-907	SVR+B	Supplies SVR voltage from the outside.

# KDC-MP4032

## COMPONENTS DESCRIPTION

### ● SWITCH UNIT (X16-3490-10)

Ref. No.	Application / Function	Operation / Condition
IC2	Remote Control IC	
Q4,5	SW5V	The base of Q4 goes "L" when the base of Q5 is "H" and the power supply of IC2 is turned on.
Q12	GRID1 SW	When the base of Q12 is "L", the current is supplied to G1.
Q13	GRID2 SW	When the base of Q13 is "L", the current is supplied to G2.
Q14	GRID3 SW	When the base of Q14 is "L", the current is supplied to G3.
Q20	Key Scan Start SW	Key scan starts when the base of Q20 goes "H".

### ● CD PLAYER UNIT (X32-5860-00)

Ref. No.	Application / Function	Operation / Condition
IC1	A3.3V regulator	Power supply for audio 3.3V
IC2	Ope amp for low-pass filter	
IC3	4ch BTL driver	Driving spindle motor and loading/ejection operation
IC4	Mechanism $\mu$ -com	
IC5	BU 3.3V regulator	Power supply for backup 3.3V
IC6	D3.3V regulator	Digital 3.3V power supply
IC7	Audio DAC built-in servo DSP	MP3, WMA, and AAC compatible
IC11	Buffer IC	Level shift
Q1	A3.3V discharge circuit	
Q4	Current amp	Adjusts current to be sent to laser
Q5,6	SW 5V	
Q7,8	SW 8V	
D1	For current amp	

## MICROCOMPUTER'S TERMINAL DESCRIPTION

### ● SYSTEM $\mu$ -com: IC1 on X34- (ELECTRIC UNIT)

Pin No.	Pin Name	I/O	Application	Truth Value Table	Processing / Operation / Description
1	REMO	I	Remote control signal input		Detects pulse width
2	LX MUTE	I	Mute request from slave unit		H: MUTE ON, L: MUTE OFF
3	AUD SDA	O	E-VOL data output		
4	AUD SEL	O	E-VOL control		
5	AUD SCL	O	E-VOL clock output		
6	BYTE	-			
7	CNVSS	-			
8	XCIN	I			
9	XCOU	I			
10	RESET	-			
11	XOUT	-			
12	VSS	-			
13	XIN	-			12.0MHz
14	VCC1	-			
15	NMI	I	Not used		
16	CN DET	I	Panel communication detection		H: PANEL detached, L: PANEL attached
17	NC	-	Not used		Outputs L fixed
18	LX REQ S	I	Communication request from slave unit		
19	PON AM	I/O	AM power supply control		H: When AM, Hi-z: When not AM
20	LX REQ M	O	Communication request to the slave unit		
21	TUN IFC OUT	I	Front-end IFC out input		H: Station found, L: Station not found
22~25	NC	-	Not used		Outputs L fixed
26	PWIC BEEP	O	Beep output		
27	TUN SCL	I/O	Front-end I2C clock input/output		MAX 400kHz
28	TUN SDA	I/O	Front-end I2C data input/output		
29	VFD DATA	I/O	VFD data input/output		Data input/output
30	VFD INT	I	VFD INT input		INT input
31	VFD CLK	O	VFD clock output		Normal: 125kHz, Low consumption mode: 62.5kHz
32	VFD RST	O	VFD driver reset		H: Clear reset, L: RESET L: Momentary power down, panel detached, or 11 minutes after ACC OFF
33	SDA ROMCOR SDA	I/O	E2PROM I2C data input/output for ROM correction		
34	SCL ROMCOR SCL	I/O	E2PROM I2C clock output for ROM correction		
35	PON PANEL	I/O	Panel 5V control		L: ON, Hi-z: Momentary power down, panel detached, or 11 minutes after ACC OFF
36	DSI	I/O	DSI/EJECT LED control		Hi-z: OFF, Pulse drive: When PANEL detached, H: ILLUMI ON or PANEL OPEN (when Power ON)
37,38	NC	-	Not used		Outputs L fixed
39	EPM	I	FLASH EPM input		

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## MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Truth Value Table	Processing / Operation / Description
40	PANEL DET	I	Panel detection		L: PANEL detached, H: PANEL attached
41	NC	-	Not used		Outputs L fixed
42	ROMCOR DET	I	E2PROM writing-in request		H: Writing-in
43	NC	O	Not used		Outputs L fixed
44	VFD CS	O	VFD chip select control		
45	ROTARY CW	I	VOL key input		Detects pulse width
46	ROTARY CCW	I	VOL key input		Detects pulse width
47	CD DISC12 SW	I	12cm disc detection		
48	CD LOS SW	I	CD loading detection		
49	CD MUTE R	I	Rch CD mute request (valid only when in CD mode)		H: Normal, L: Rch MUTE request
50	CD MUTE L	I	Lch CD mute request (valid only when in CD mode)		H: Normal, L: Lch MUTE request
51	$\overline{\text{CD MRST}}$	O	CD mechanism $\mu$ -com RESET		H: Normal, L: Reset
52	$\overline{\text{CD MSTOP}}$	O	CD mechanism $\mu$ -com stop		H: Mechanism $\mu$ -com in operation, L: Mechanism $\mu$ -com stopped
53	$\overline{\text{CD DISC8 SW}}$	I	8cm disc detection (not used)		
54	CD LOE LIM SW	I	CD detection (chucking SW)		H: Loading completed, L: Disc not found
55	CD LOEJ	I/O	CD motor control	①	Refer to the truth value table
56	CD MOTOR	O	CD motor control	①	Refer to the truth value table
57	PON ILLUMI	I/O	Key illumi power supply control		ON: H, OFF: Hi-z
58	PON CD	O	Power supply control for CD/WMA		L: POWER ON, H: POWER OFF, H: When resetting before M-STOP
59	PON	O	Power supply control		POWER ON: H, POWER OFF: L
60	VCC2	-			
61	NC	-	Not used		Outputs L fixed
62	VSS	-			
63	TYPE 1	I	Destination switching	②	Refer to the truth value table
64	TYPE 2	I	Destination switching	②	Refer to the truth value table
65	TYPE 3	I	Destination switching	②	Refer to the truth value table
66	TUN TYPE1	I	Destination setting 1	③	Refer to the truth value table
67	TUN TYPE2	I	Destination setting 2	③	Refer to the truth value table
68	OEM DISP DATA	I/O	External display data		External display
69	OEM DISP CLK	I/O	External display clock		External display
70	OEM DISP CE	I/O	External display control request		External display
71	$\overline{\text{EJECT}}$	I	Eject key input		L: EJECT
72	P CON	O	External amplifier control		POWER ON: H, POWER OFF: L, STANDBY Source: L
73	VFD KEY REQ	I	Communication request from VFD driver		Connects to INT
74	ANT CON	O	Power antenna control		TUNER ON: H
75	$\overline{\text{ILLUMI DET}}$	I	Dimmer illumi detection		L: ON, H: OFF
76	$\overline{\text{BU DET}}$	I	Momentary power down detection		L: BU found, H: BU not found or momentary power down
77	$\overline{\text{ACC DET}}$	I	ACC power supply detection		L: ACC ON, H: ACC OFF

## MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Truth Value Table	Processing / Operation / Description
78	(PWIC SVR)	O	SVR discharging circuit		H: For 5 seconds after POWER OFF momentary power down, L: Thereafter
79	$\overline{\text{PWIC MUTE}}$	O	Power IC mute		L: While in STANDBY source or momentary power down, L: While TEL MUTE
80	PWIC STBY	O	Power IC standby control		POWER ON: H, POWER OFF: L
81	LX CON	O	Start-up request to slave unit		H: Slave unit ON, L: Slave unit OFF
82	MUTE PRE R	O	Rch pre-out mute		H: When CD MUTE R is R (while playing CD), H: When momentary power down, Fixed to L only when 2 zone or NAVI interruption
83	MUTE PRE L	O	Lch pre-out mute		H: When CD MUTE L is L (while playing CD), H: When momentary power down, Fixed to L only when 2 zone or NAVI interruption
84	$\overline{\text{MUTE 0}}$	I/O	E-VOL front mute		L: MUTE ON, Hi-z: MUTE OFF
85	$\overline{\text{MUTE 1}}$	I/O	E-VOL rear mute		L: MUTE ON, Hi-z: MUTE OFF
86	$\overline{\text{MUTE 2}}$	I/O	E-VOL other mute		L: MUTE ON, Hi-z: MUTE OFF
87	LINE MUTE	I	Line mute detection		TEL MUTE: 1V or lower, NAVI MUTE: 2.5V or higher
88	NC	-	Not used		Outputs L fixed
89	PWIC DC DET	I	DC offset error detection		
90	LX RST	O	Forced-reset to slave unit		H: Reset, L: Normal
91,92	NC	-	Not used		Outputs L fixed
93	RDS NOISE	I	FM noise detection		
94	AVSS	-			
95	TUN SMETER	I	S meter input		
96	VREF	-			Connects to P. ON
97	AVCC	-			Connects to VCC
98	LX DATA S	I	Data from slave unit		
99	LX DATA M	I/O	Data to slave unit		
100	LX CLK	I/O	LX-BUS clock		

### Truth Value Table

#### ① : CD mechanism control operation

	CD MOTOR	CD LOEJ
Stop	L	L
Load	H	L
Eject	H	H
Brake	H	Hi-z

#### ② : Destination

TYPE 3 (Pin 65)	TYPE 2 (Pin 64)	TYPE 1 (Pin 63)	MODEL
0	0	0	KDC-MP4032
1	0	0	KDC-MP6533

#### ③ : Tuner type

MODEL	TUN TYPE1 (Pin 66)	TUN TYPE2 (Pin 67)
KENWOOD brand model	L	L
OEM model 1	L	H
OEM model 2	H	L
OEM model 3	H	H

# KDC-MP4032

## MICROCOMPUTER'S TERMINAL DESCRIPTION

### ● MECHANISM $\mu$ -com: IC4 on X32- (CD PLAYER UNIT)

Pin No.	Pin Name	I/O	Application	Processing Operation Description	Remarks
1	NC	-	Not used.	Low-fixed	
2	E2P SCL	I/O	Rom correction E2P I2C clock		
3~5	NC	-	Not used.	Low-fixed	
6	VDD	-	5V electric potential		
7	GND	-	GND electric potential		
8,9	NC	-	Not used.	Low-fixed	
10,11	PON1,PON2	O	Power ON/OFF control	H : ON, L : OFF	
12	LOE/LIM SW	I	Down-limit SW detection	L : Lim detection	
13	DAC MUTE	O	DAC MUTE control	H : MUTE ON, L : MUTE OFF	Used with DXM-6680W (X32-586). With DXM-6580W (X32-574), open and L-fixed.
14	DAC RST	O	DAC RESET	H : NORMAL, L : RESET	Used with DXM-6680W (X32-586). With DXM-6580W (X32-574), open and L-fixed.
15	EMPH	O	External DAC Emphasis control	H : Emphasis ON, L : Emphasis OFF	Used with DXM-6680W (X32-586). With DXM-6580W (X32-574), open and L-fixed.
16,17	NC	-	Not used.	Low-fixed	
18	IC/Vpp	-	Write voltage (FLASH)	L : Normal operation, H : In writing.	
19	MUTE L	O	Lch audio MUTE control	L : MUTE ON, H : MUTE OFF	
20	MUTE R	O	Rch audio MUTE control	L : MUTE ON, H : MUTE OFF	
21	TYPE	I	DAC switching	H : DSP built-in DAC used, L : DSP built-in DAC Not used.	H : DXM-6580W (X32-574), L : DXM-6680W (X32-586)
22	TEST O 1	O	TEST MODE O 1	(Not used.)	
23	TEST O 2	O	TEST MODE O 2	(Not used.)	
24	TEST O 3	O	TEST MODE O 3	(Not used.)	
25	TEST O 4	O	TEST MODE O 4	(Not used.)	
26	NC	-	Not used.	Low-fixed	
27	WAIT	I	Wait control signal detection		
28~30	NC	-	Not used.	Low-fixed	
31	RESET	I	Reset detection	H : NORMAL, L : RESET	
32	XT1	I	Not used.		
33	XT2	-	Not used.		
34	REGC	-			
35	X2	-			
36	X1	I			
37	Vss	-	GND electric potential		
38	VDD	-	5V electric potential		
39	NC	-	NC	Output stopped in standby	3.3V driven
40	WRL	I	Multiplex WRITE signal		3.3V driven



## MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Processing Operation Description	Remarks
41,42	NC	-	Not used.	Low-fixed	3.3V driven
43	RD	O	Multiplex RD signal		3.3V driven
44	ASTB	O	Multiplex ASTB signal		3.3V driven
45	NC	-	Not used.	Low-fixed	3.3V driven
46	NC	-	Not used.	Low-fixed	3.3V driven
47~54	AD0~AD7	I/O	Multiplex address/data		3.3V driven
55	BVdd	-	BUS interface power supply		
56	BVss	-	BUS interface GND		
57~61	AB8~AB12	I/O	Multiplex data/address		3.3V driven
62~65	NC	-	Not used.	Low-fixed	3.3V driven
66	CS	O	Chip select control	H : OFF, L : ON	3.3V driven
67	DSP RESET	O	DSP reset control	H : NORMAL, L : RESET	3.3V driven
68~70	NC	-	Not used.	Low-fixed	3.3V driven
71	Avdd	-			
72	Avss	-			
73	Avref	I	A/D port reference voltage input		
74	NC	-	Not used.	Low-fixed	
75	RAMSEL	I	With DRAM/No DRAM switching for different models	H : With DRAM, L : No DRAM	
76	RZM	I	0bit MUTE detection	H : $\geq 1.7V$ , L : $< 1.7V$	
77	LZM	I	0bit MUTE detection	H : $\geq 1.7V$ , L : $< 1.7V$	
78	AAC	I	AAC compatibility switching	H : AAC non-compatible, L : AAC compatible	AAC non-compatible mode has priority for both hardware and software.
79	ASEL	I	Audio output polarity switching	H : Reverse output, L : Non-reverse output	
80	E2P WR	I	E2PROM write switching	H : E2PROM WRITE, L : NORMAL	
81	TEST I 0	I	TEST MODE I 0	(Not used.)	
82	TEST I 1	I	TEST MODE I 1	(Not used.)	
83	TEST I 2	I	TEST MODE I 2	(Not used.)	
84	TEST I 3	I	TEST MODE I 3	(Not used.)	
85,86	NC	-	Not used.	Low-fixed	
87	MSTOP	I	Standby restart interruption	H : STOP release, L : STOP	
88	INTSV	I	Interruption from servo IC	H : Interruption	
89~92	NC	-	Not used.	Low-fixed	
93	D-MUTE	O	Driver MUTE	H : OFF, L : ON	
94	SYS SDA	I/O	System $\mu$ -com I2C data		Flash write port (S10)
95	NC	-	Not used.	Low-fixed	Flash write port (S00)
96	SYS SCL	I/O	System $\mu$ -com I2C clock		Flash write port (SCK0)
97~99	NC	-	Not used.	Low-fixed	
100	E2P SDA	I/O	ROM correction E2P I2C data		

## 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.

### ● Special display in tuner mode

Error is found in front-end, etc. if indications below are displayed while in tuner mode.

“TNE2P\_NG” : Front-end E2PROM values are still default (not determined).

“TNCON\_NG” : Cannot communicate with the front-end.

### ● K3I forced switching

Every time when [6] key is pressed in tuner FM mode, switched in the following order: AUTO → Forced WIDE → Forced MIDDLE → Forced NARROW → AUTO. Default status is AUTO, and displayed as shown below.

AUTO: FM1\_98.1A

Forced WIDE: FM1\_98.1W

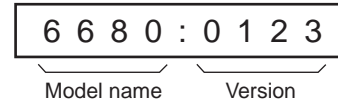
Forced MIDDLE: FM1\_98.1M

Forced NARROW: FM1\_98.1N

### ● CD receiver test mode specification

- Display mode default setting shall be P-TIME.
- Jumps to the following tracks by pressing the [▶▶] 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 [◀◀] 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 27 (4V PRE).

### ● 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 → HPF Front → HPF Rear → LPF Sub Woofer (thereafter arbitrary).
- Continuous forwarding by remote control is prohibited.
- Fader is adjusted by the VOL knob and [◀◀] / [▶▶] keys in 3 steps: R15 ↔ 0 ↔ F15. (Default value: 0)
- Balance is adjusted by the VOL knob and [◀◀] / [▶▶] keys in 3 steps: L15 ↔ 0 ↔ R15. (Default value: 0)
- Bass/Middle/Treble Level are adjusted by the VOL knob and [◀◀] / [▶▶] keys in 3 steps: -8 ↔ 0 ↔ +8. (Default value: 0)
- HPF Front / Rear is adjusted by the VOL knob and [◀◀] / [▶▶] keys in 2 steps: Through ↔ 180Hz. (Default value: Through)
- LPF Sub Woofer is adjusted by the VOL knob and [◀◀] / [▶▶] keys in 2 steps: 60Hz ↔ Through. (Default value: Through)
- Sub Woofer Phase is adjusted by the VOL knob and [◀◀] / [▶▶] keys in 2 steps: Reverse ↔ Normal. (Default value: Normal)
- Volume Offset is adjusted by the VOL knob and [◀◀] / [▶▶] keys in 2 steps: -8 ↔ 0. (Default value: 0)
- Loudness ON/OFF is adjusted by the VOL knob and [◀◀] / [▶▶] keys in 2 steps: OFF ↔ ON. (Default value: OFF)

## TEST MODE

### ● 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.

### ● 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.)

### ● Initializing AUDIO-related setting value

Press the [▶▶] 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 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) → 518K – 1.02 (“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_xxxxxx MAX 65535 (times)

## TEST MODE

[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)
[▶▶I] key	AUDIO data initialization (Display) AUD_INIT
[◀◀] 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)
[▶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 time code error count data display (missing counts) (switched by [◀◀] / [▶▶I] keys) (Display) CNT_LOSE ↔ CDDA_ _: xx ↔ CDROM_ : xx ↔ CNT_LOSE ↔ (Number of times is displayed for "xx") MAX 99 (times)
↓	CD time code error count data display (count not updated) (switched by [◀◀] / [▶▶I] keys) (Display) CNT_STAY ↔ CDDA_ _: xx ↔ CDROM_ : xx ↔ CNT_STAY ↔ (Number of times is displayed for "xx") MAX 99 (times)

### ● 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 clear the programmable security code

- While "----" is being displayed, press [▶▶I] key for 3 seconds or longer while pressing the [AUTO] key. This makes the "----" display disappear.
- 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.
- The security is cleared and the unit enters STANDBY source.
- If wrong codes are input, "----" will be displayed again.

### CD information display mode

	I2C communication condition display (Display) I2C_OK_ _ NG
[AM] key ↑	CD mechanism error log display (switched by [◀◀] / [▶▶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] 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] 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)

## TEST MODE

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

- 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
- After the initialization process is completed, the following is displayed.  
When successfully completed : “CD\_O\_ \_ \_”  
When finished but unsuccessful: “CD\_X\_ \_ \_”
- This mode is cancelled by resetting. (The last screen will not be retained.)

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

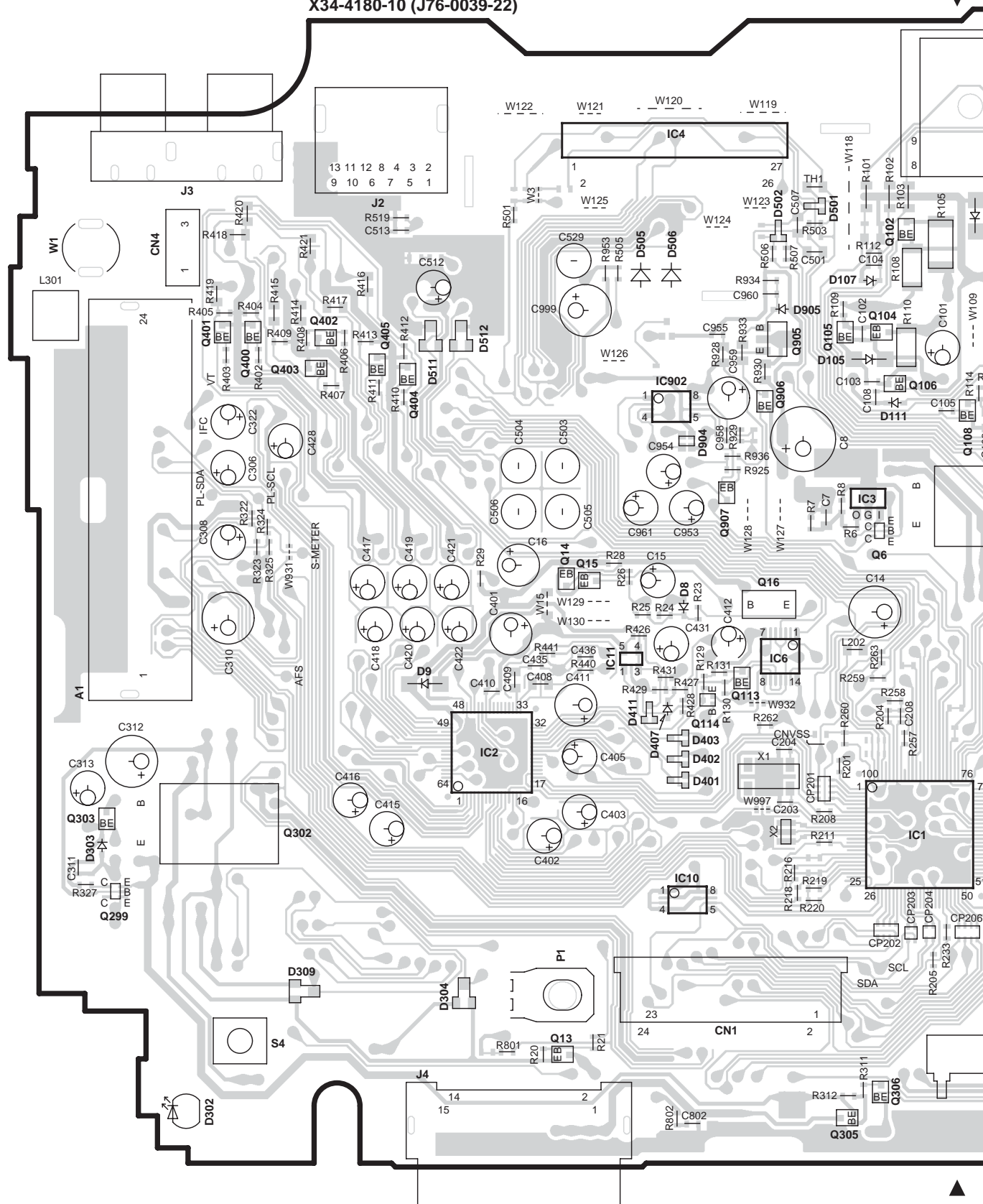
- If DC voltage difference (DC offset error) is detected between audio power amplifier (power IC)  $\pm$  outputs, “DC\_ERR\_” is displayed on the display. When this occurs, the audio is forced-mute and the display displays only “DC\_ERR\_”.
- Once this product detected a DC offset error, even if it is restarted (or reset), its display displays “DC\_ERR\_”. However, if the error is detected while in Test Mode, it is not saved in E2PROM.
- 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.)
  - While in STANDBY source, the current DC offset error condition is displayed.  
When detected : “DC\_ERR\_ \_”  
When not detected: “DC\_OK\_ \_ \_”
  - While error condition is being displayed, press [AUTO] key to clear the detection data. (Clear E2PROM)
  - DC offset error display mode is cancelled by resetting. (The last screen will not be retained.)

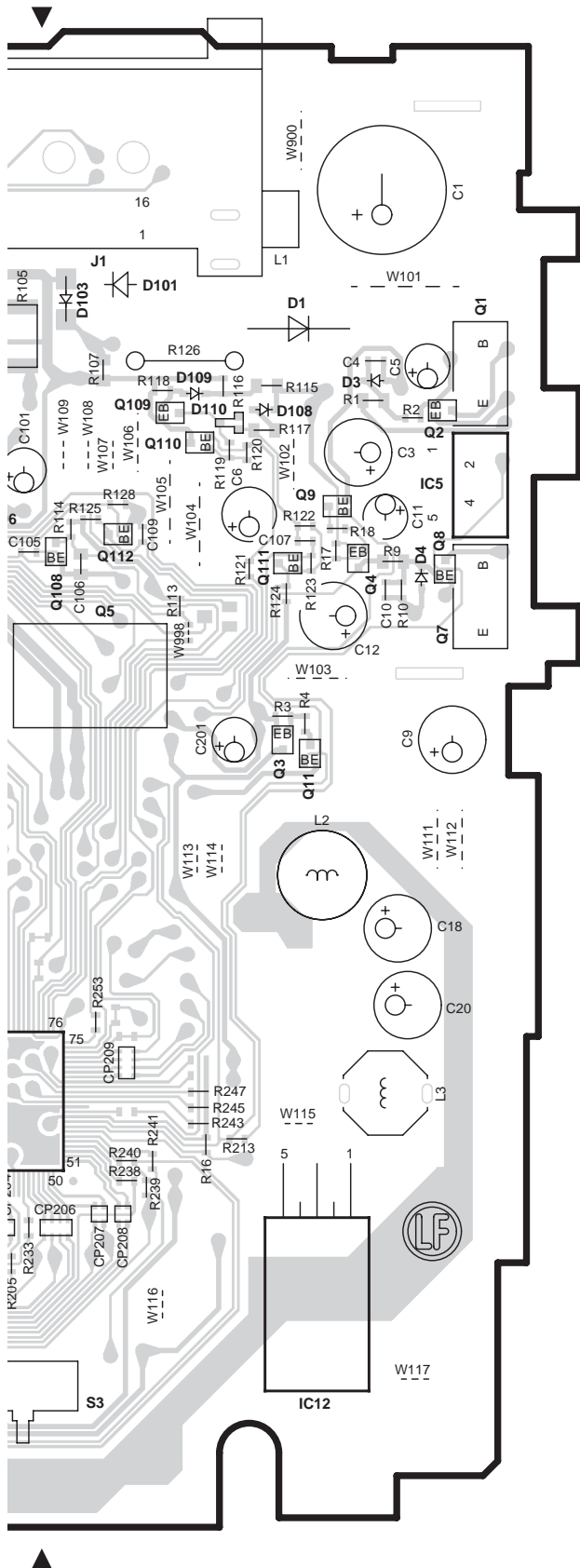
### ● FM/AM channel space switching

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

# KDC-MP4032 PC BOARD (COMPONENT SIDE VIEW)

**ELECTRIC UNIT  
X34-4180-10 (J76-0039-22)**





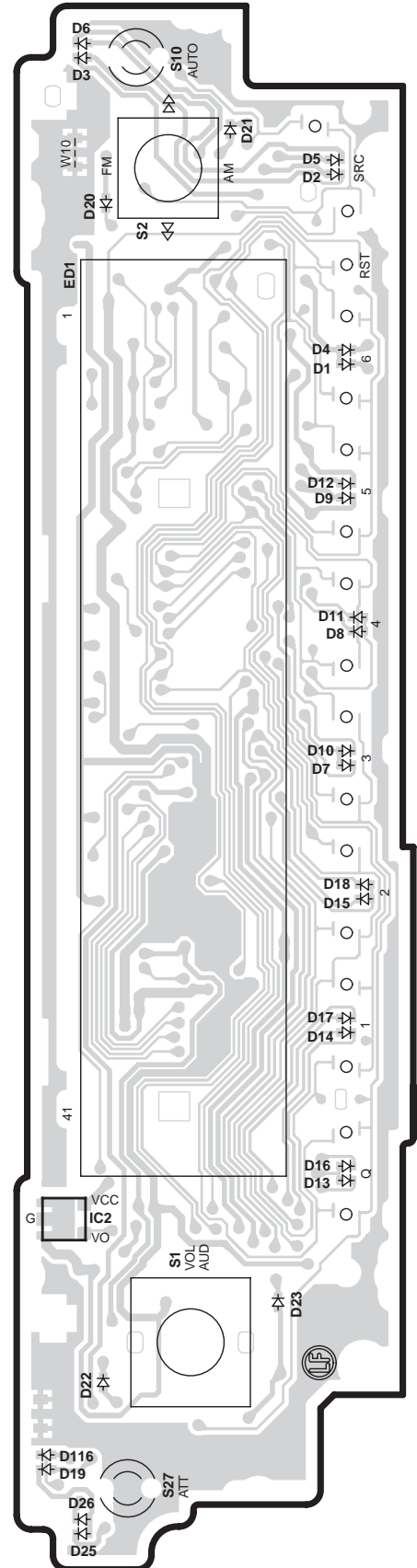
**X34-4180-10**

Ref. No.	Address
IC1	5E
IC2	5C
IC3	4E
IC4	2D
IC5	3G
IC6	4E
IC11	4D
IC12	6G
IC902	3D
Q1	2G
Q2	3G
Q3	4F
Q4	3G
Q5	3F
Q6	4E
Q7	4G
Q8	3G
Q9	3G
Q10	4G
Q11	4G
Q12	6D
Q13	4D
Q14	4D
Q15	4D
Q16	4D
Q102	2E
Q104	3E
Q105	3E
Q106	3E
Q108	3F
Q109	3F
Q110	3F
Q111	3F
Q112	3F
Q113	5D
Q114	5D
Q299	6A
Q302	5B
Q303	5A
Q305	7E
Q306	6E
Q400	3B
Q401	3B
Q402	3B
Q403	3B
Q404	3C
Q405	3C
Q905	3E
Q906	3E
Q907	4D

**X16-3490-10**

Ref. No.	Address
IC2	6I

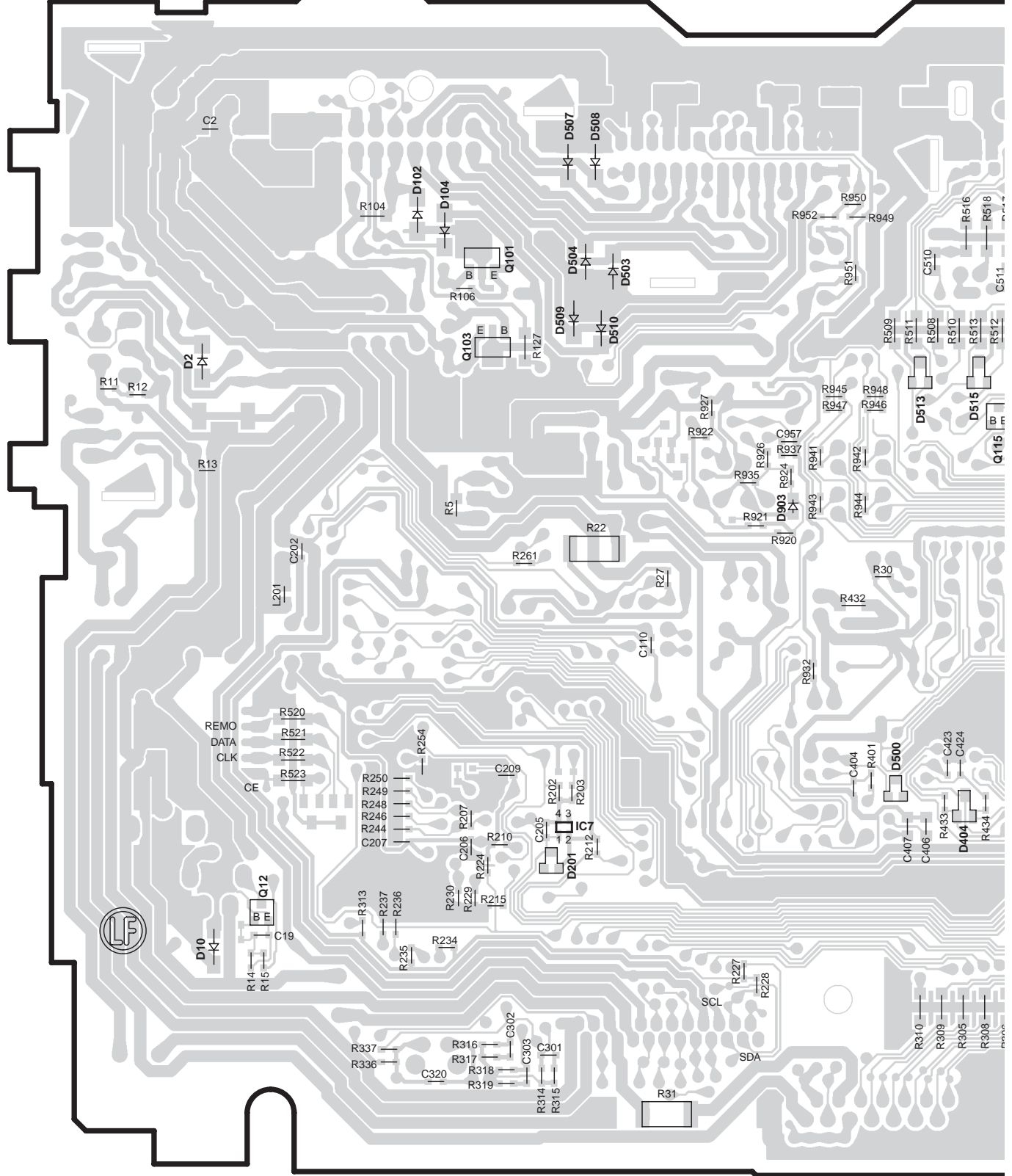
**SWITCH UNIT  
X16-3490-10 (J76-0165-02)**



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

# KDC-MP4032 PC BOARD (FOIL SIDE VIEW)

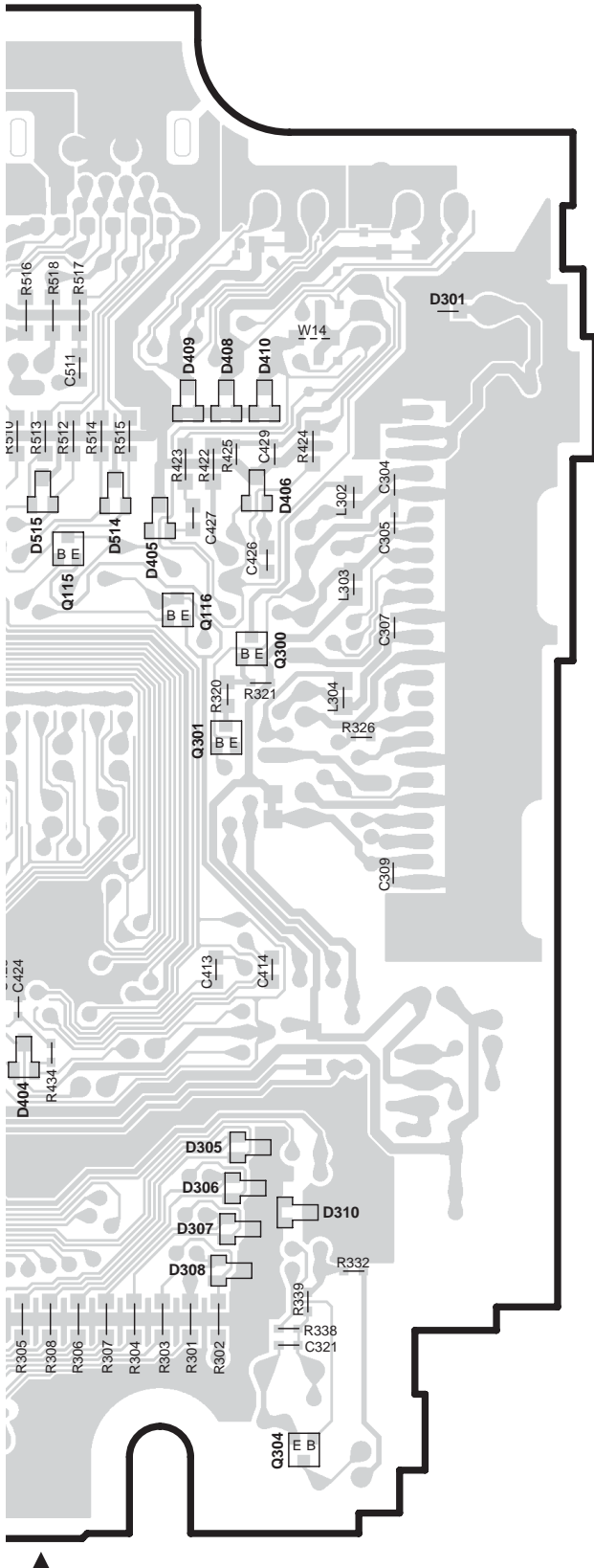
ELECTRIC UNIT  
X34-4180-10 (J76-0039-22)





# KDC-MP4032

## SWITCH UNIT X16-3490-10 (J76-0165-02)

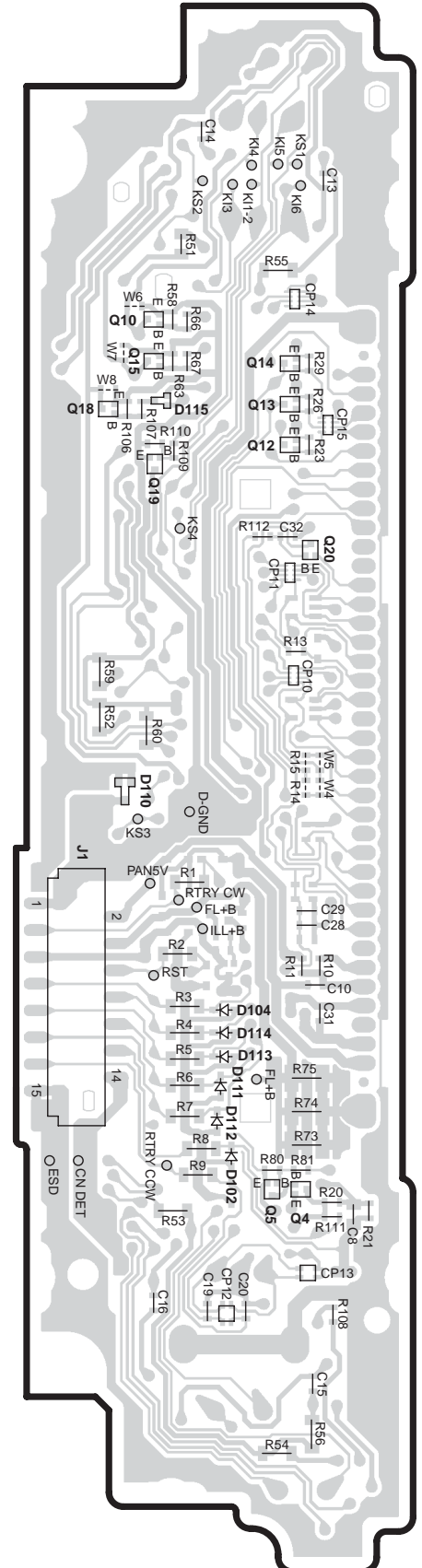


### X34-4180-10

Ref. No.	Address
IC7	5N
Q12	5L
Q101	3M
Q103	3M
Q115	3P
Q116	4P
Q300	4P
Q301	4P
Q304	6P

### X16-3490-10

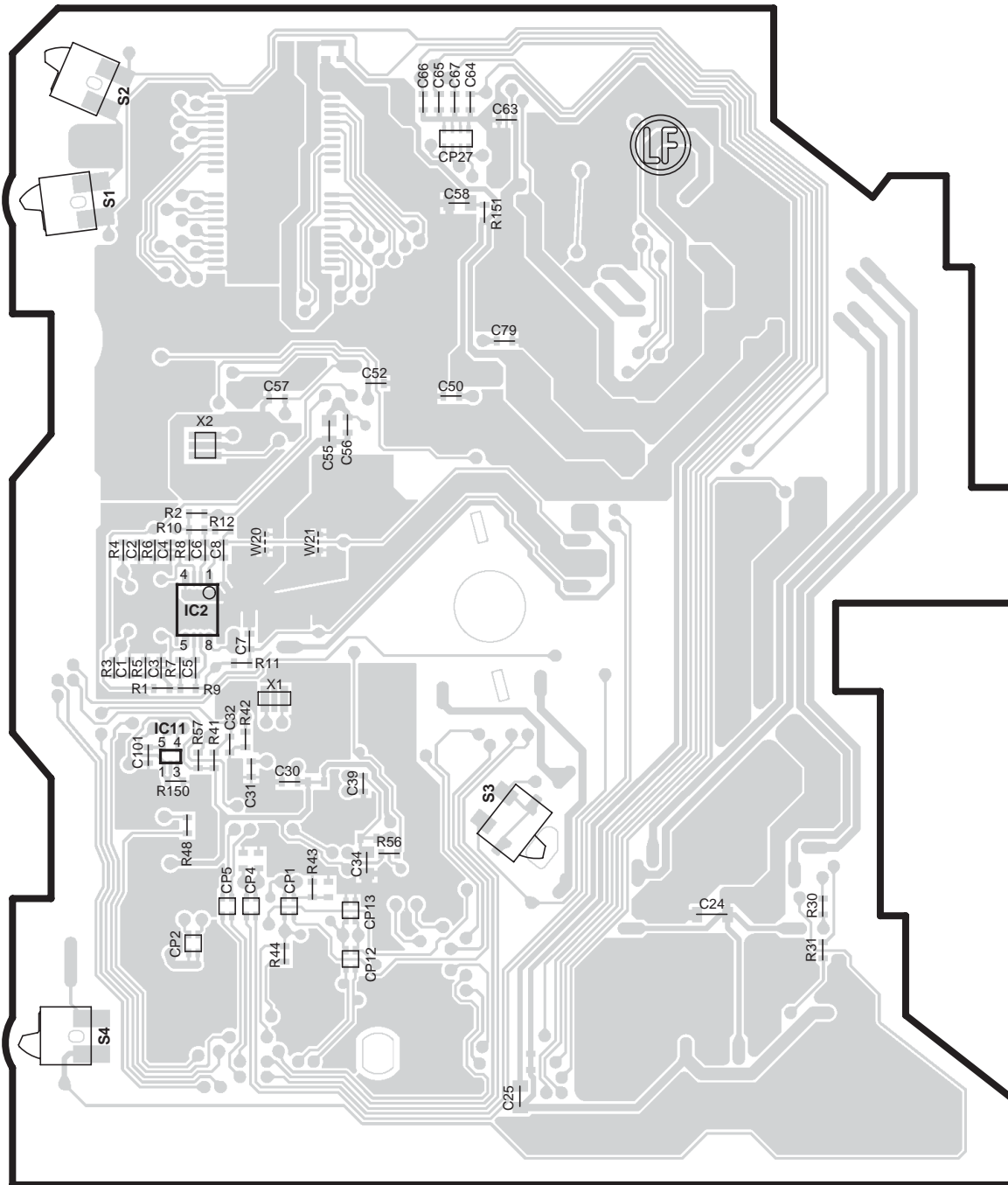
Ref. No.	Address
Q4	6T
Q5	6T
Q12	3T
Q13	3T
Q14	3T
Q20	3T



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

# KDC-MP4032 PC BOARD (COMPONENT SIDE VIEW)

CD PLAYER UNIT  
X32-5860-00 (J76-0212-02)

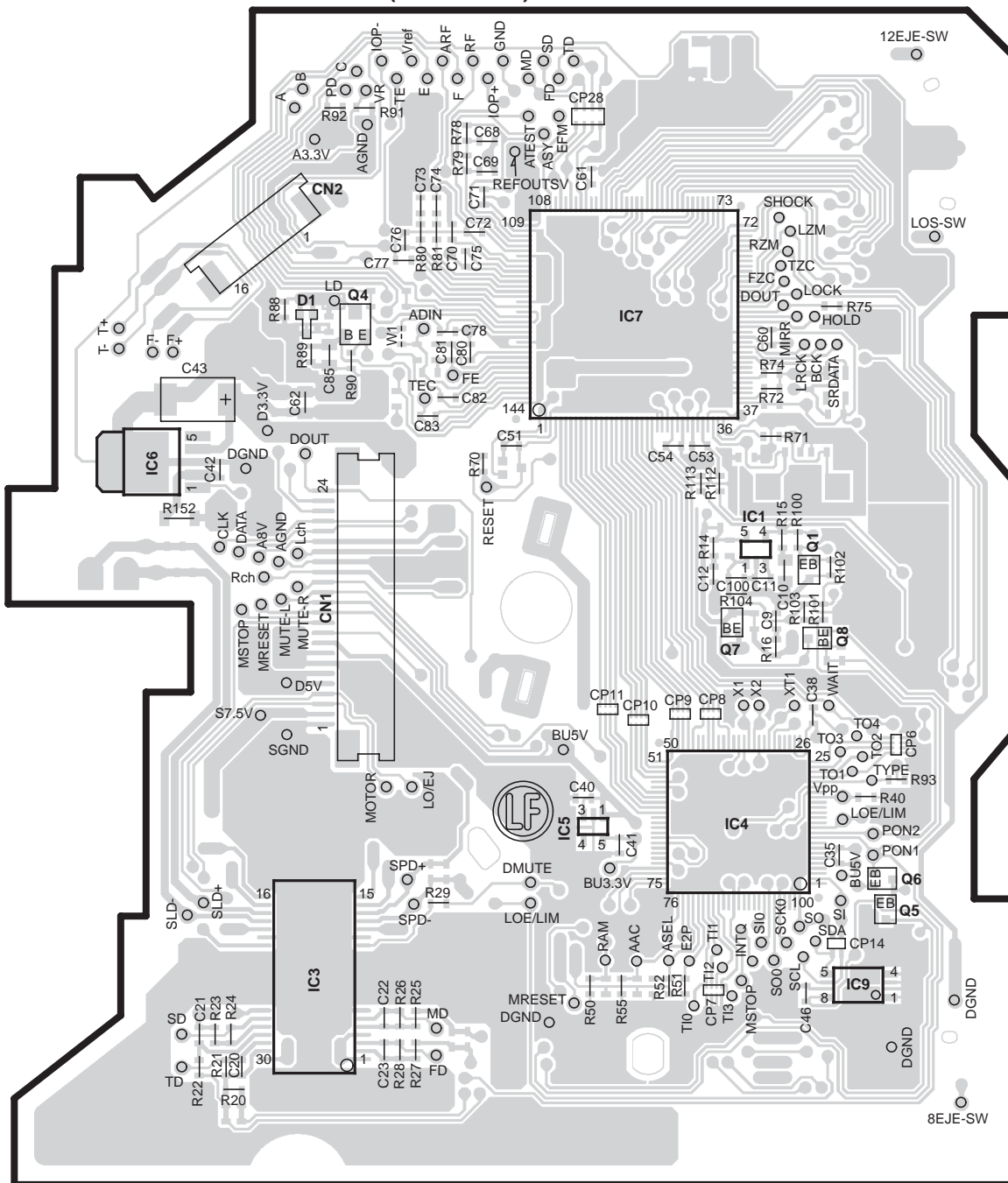


X32-5860-00

Ref. No.	Address
IC2	4V
IC11	4V

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

## PC BOARD (FOIL SIDE VIEW)

CD PLAYER UNIT  
X32-5860-00 (J76-0212-02)

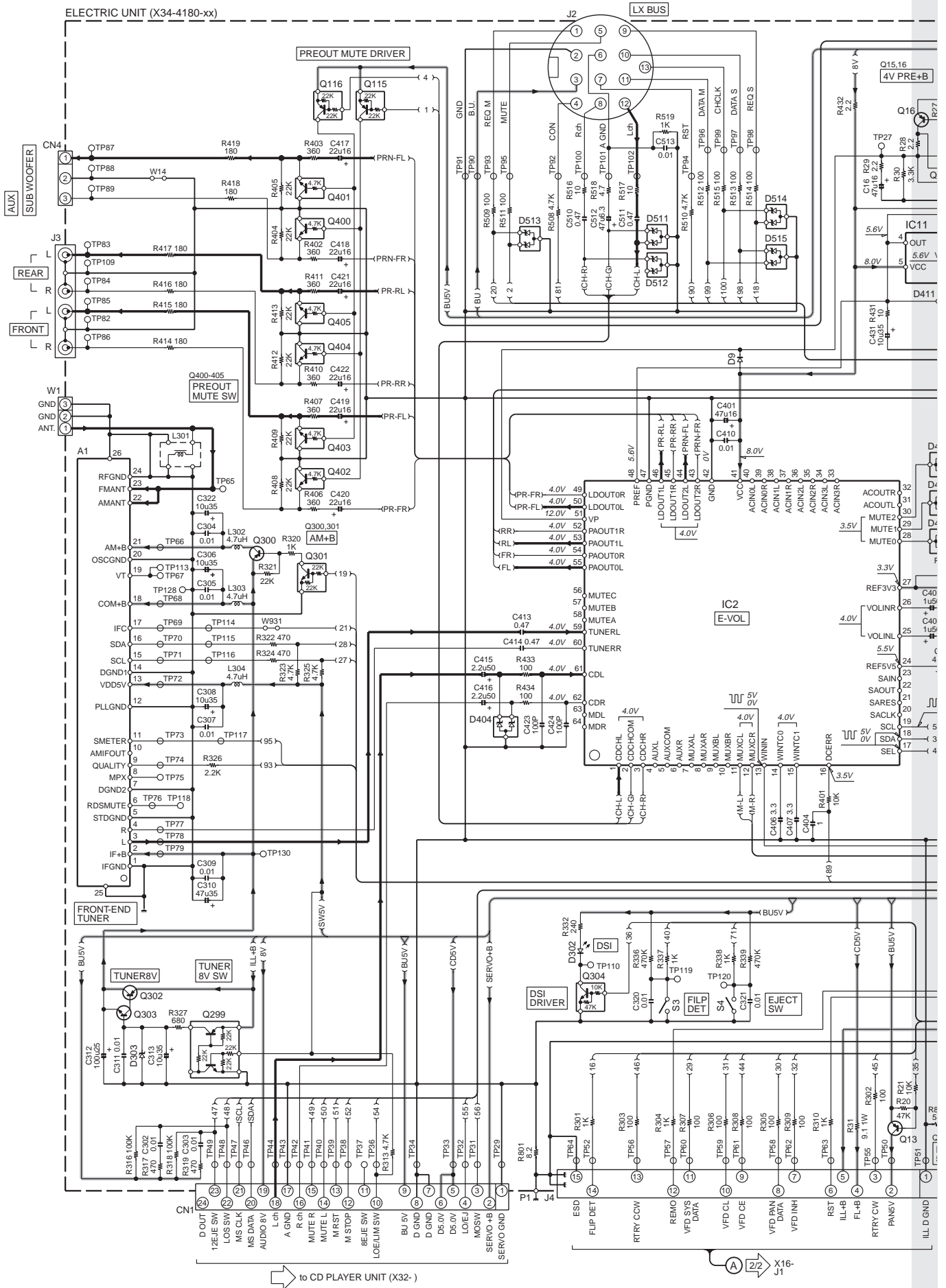
## X32-5860-00

Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC1	3AC	IC7	3AB	Q6	5AC
IC3	5AA	IC9	5AC	Q7	4AC
IC4	5AC	Q1	4AC	Q8	4AC
IC5	5AB	Q4	3AA		
IC6	3Z	Q5	5AC		

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

# KDC-MP4032

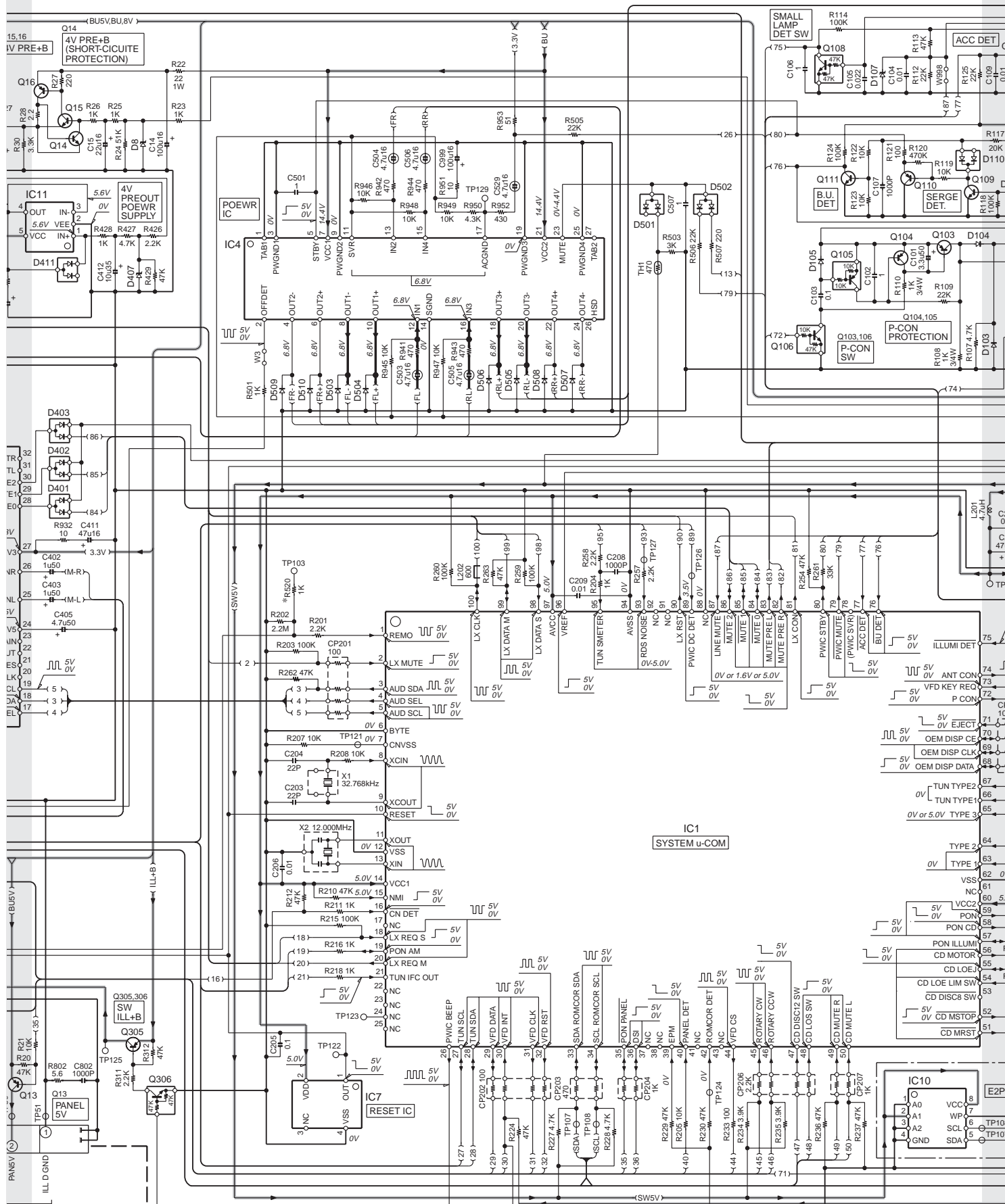
ELECTRIC UNIT (X34-4180-xx)



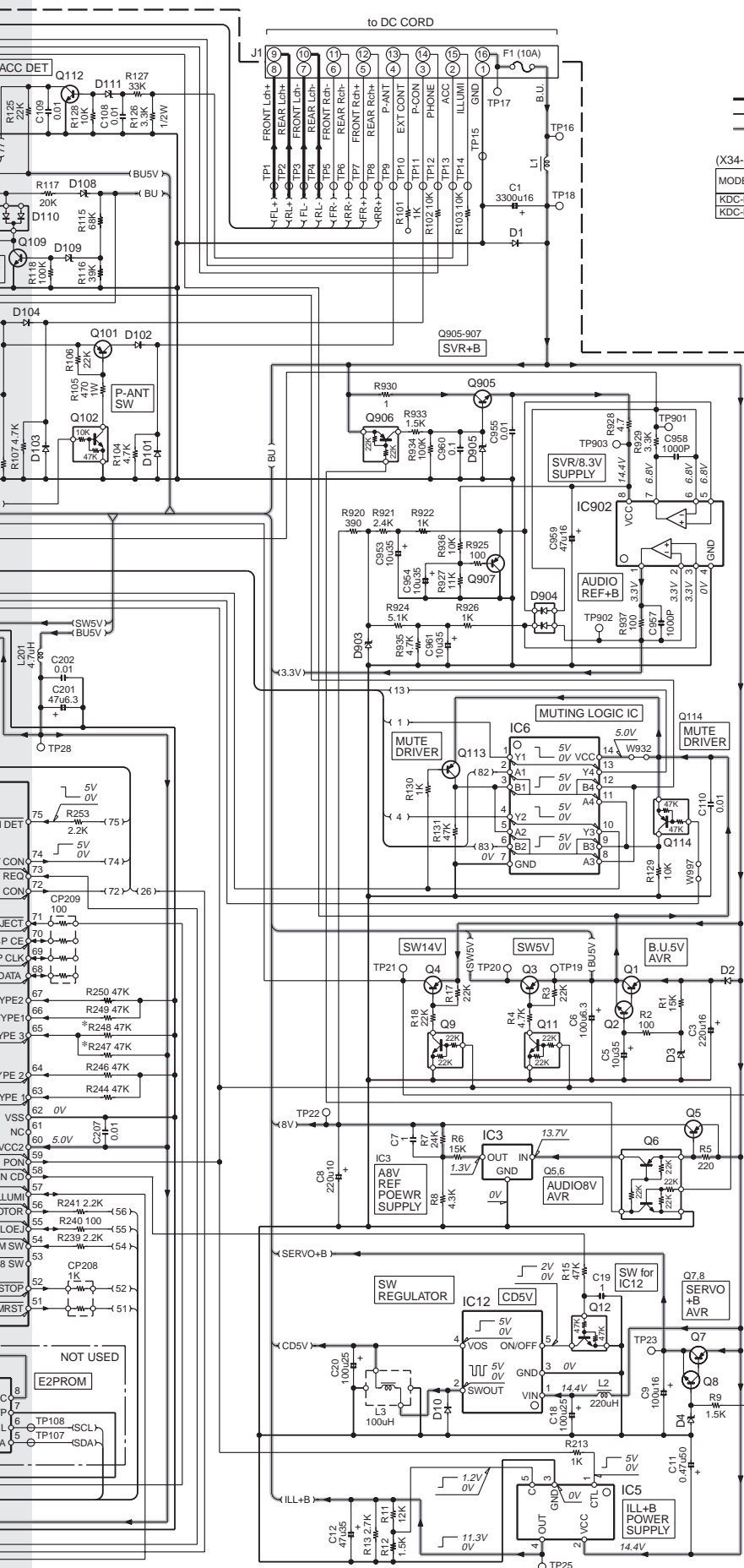
to CD PLAYER UNIT (X32-)

X16  
J1

# KDC-MP4032



# KDC-MP4032



— SIGNAL LINE  
 — GND LINE  
 — +B LINE

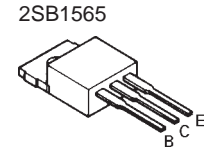
(X34-418-xx)

MODEL NAME	DESTI-NATION	UNIT No.	R247	R248, 520
KDC-MP4032	K	0-10	—	YES
KDC-MP6533	M1	0-21	YES	—

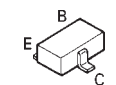
- IC1 : 30624MGA76GP
- IC2 : E-TDA7415C
- IC3 : M5237ML-CF0J
- IC4 : E-TDA7560A
- IC5 : BA00CCWTV5
- IC6 : SN74HC02APWR
- IC7 : S-80836GNB-J
- IC10 : NOT USED
- IC11 : TA75S568-F
- IC12 : SI-8050JF3NF
- IC902 : NJM4565V-ZB

- Q1,5,7,302 : 2SB1565
- Q2,8,14,15,109,111,112,303 : 2SC4155A(Q,R,S)
- Q3,4,13,104,110,113,307 : KTA2014P(Y,GR)
- Q6,299 : UMC2N
- Q9,11,301 : DTC124EUA
- Q12,108,306 : DTC144EUA
- Q16 : 2SB1443
- Q101,103 : 2SB1188(Q,R)
- Q102,106,304 : DTC114YUA
- Q105 : DTA114EUA
- Q114 : DTA144EE
- Q115,116,906 : DTA124EUA
- Q300 : 2SB1689
- Q305 : 2SA1577
- Q400-405 : DTC143TUA
- Q905 : 2SC2873-F

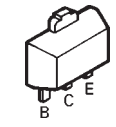
- D1 : S2V60\*A
- D2 : RB160L-40
- D3,407 : 02D25 6F-Y
- D4 : 02D28 2F-Y
- D8 : 02D212F-X
- D9,102-105,503,504,507-510 : 1SR154-400
- D10 : SFPB-54VNF
- D101,505,506 : 1SR139-400T64
- D107 : 02D24 7F-Y
- D108,109,903 : 02D26 8F-Y
- D110 : 5AV70W
- D111 : 02DZ6 2F-Y
- D302 : B30-1710-05
- D303 : 02DZ9 1F-Z
- D401-403,411,501,502 : BAW56W
- D404,511,512 : STZ6.8N
- D513-515 : STZ6.2N
- D904 : DA227
- D905 : 02DZ16F-Y



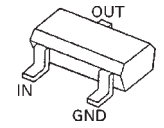
DTA114EE  
 DTA144EE  
 DTC114YUA  
 DTC143TUA  
 DTC144EE  
 2SA1576A



2SB1188  
 2SC2873-F



2SB1443  
 DTA114EUA  
 DTA124EUA  
 DTC124EUA  
 DTC144EUA



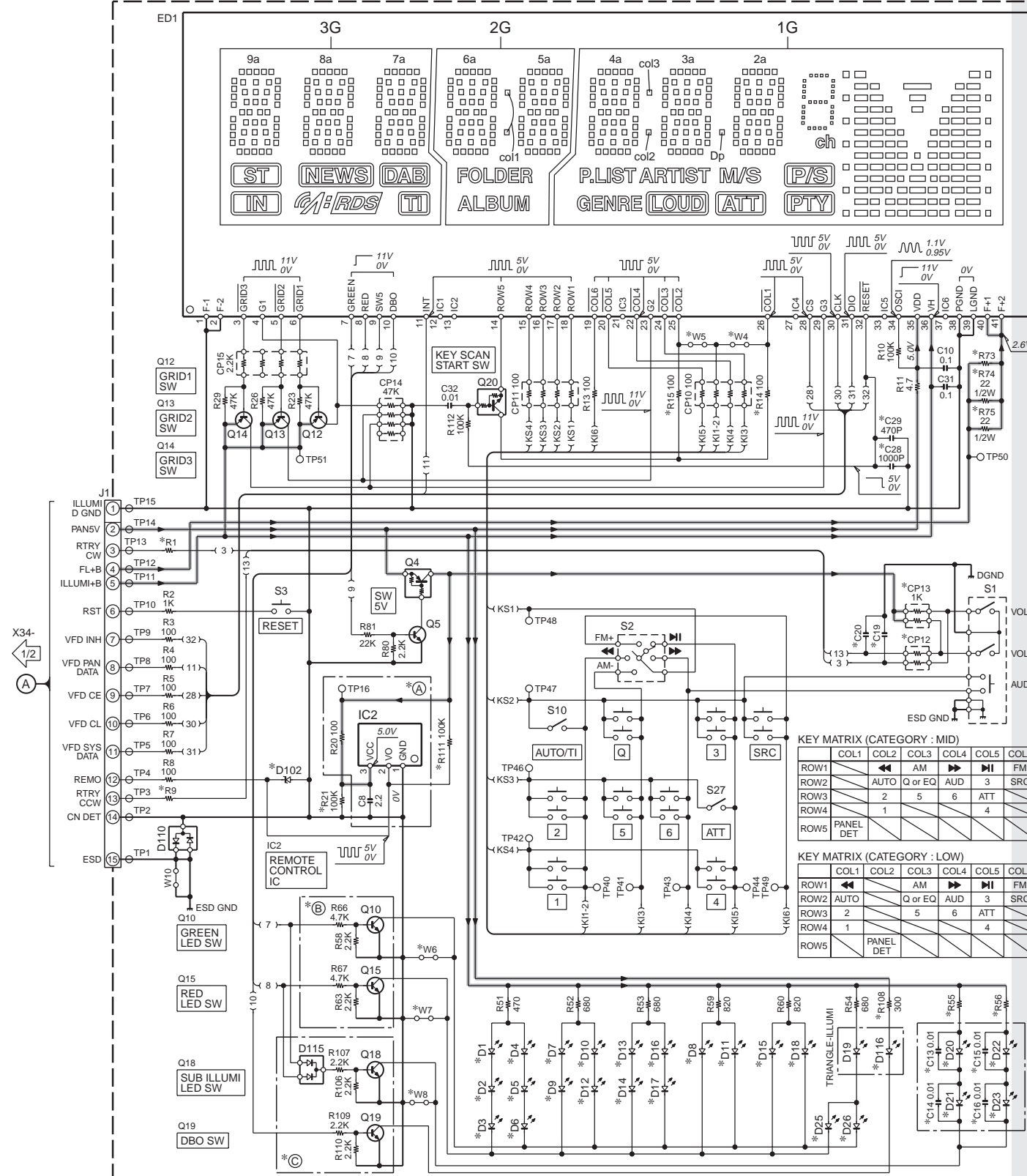
UMC2N

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

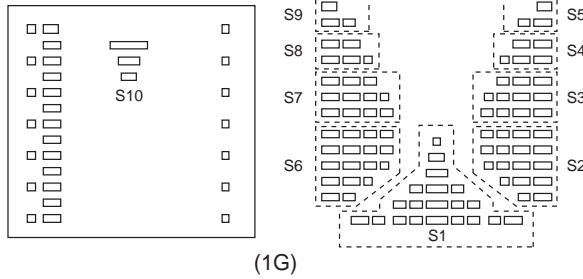
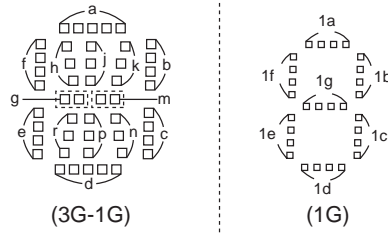
- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

# KDC-MP4032

## SWITCH UNIT (X16-349x-xx)



# KDC-MP4032



- IC2 : PNA4S22M02KW
- Q4 : DTA114EE
- Q5,10,15 : KTC4075EP(Y,GR
- Q12-14 : KTA2014EP(Y,GR
- 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
- ED1 : 3-BT-235INK

— GND LINE  
 =+B LINE

CATEGORY	MODEL NAME	DESTINATION	UNIT No.	(A)	(B)	(C)	C13-16	C19-20	C28,29	CP12	CP13	D1-3,7-9,13-15,25	D4-6,10-12,16-18,26	D20-23	D102
NON-USB MID	KDC-MP4032	K	X16-3490-10	YES	—	—	YES	0.1	—	100	—	YES	—	B30-1729-05	YES
	KDC-MP6533	M1	X16-3492-71	YES	YES	—	YES	0.1	—	100	—	YES	B30-1533-05	B30-1729-05	YES
NON-USB LOW	KDC-MP332	K1	X16-3490-11	YES	—	—	YES	0.01	YES	1K	YES	YES	—	B30-1729-05	YES
	KDC-MP5033	M2	X16-3490-21	YES	—	—	YES	0.01	YES	1K	YES	—	B30-1533-05	B30-1729-05	YES
	KDC-W534Y	E1/E2	X16-3492-72	—	YES	—	YES	0.01	YES	1K	YES	YES	B30-1533-05	B30-1729-05	—

CATEGORY	MODEL NAME	DESTINATION	UNIT No.	D116	R1,9	R14	R15,74,75	R21	R55,56	R73	R108	R111	W4	W5	W6	W7	W8
NON-USB MID	KDC-MP4032	K	X16-3490-10	—	100	YES	—	YES	300	2.2 1/2W	—	—	—	—	YES	—	YES
	KDC-MP6533	M1	X16-3492-71	—	100	YES	—	YES	300	2.2 1/2W	—	—	—	YES	—	—	YES
NON-USB LOW	KDC-MP332	K1	X16-3490-11	—	4.7K	—	YES	YES	300	33 1/2W	—	—	YES	—	—	—	YES
	KDC-MP5033	M2	X16-3490-21	—	4.7K	—	YES	YES	300	33 1/2W	—	—	YES	—	YES	—	YES
	KDC-W534Y	E1/E2	X16-3492-72	—	4.7K	—	YES	—	300	33 1/2W	—	YES	YES	—	—	—	YES

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

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

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

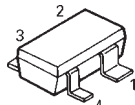
## ANODE CONNECTION

PIN NAME	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		FOLDER	PLIST
P47		ALBUM	ARTIST
P48		—	M/S
P49		—	GENRE
P50		—	LOUD
P51		—	ATT
P52	—	—	1a
P53	—	—	1b
P54	—	—	1f
P55	—	—	1g
P56	—	—	1c
P57	—	—	1e
P58	—	—	1d
P59	—	—	ch
P60	—	—	
P61	—	—	
P62	—	—	S1
P63	—	—	S2
P64	—	—	S3
P65	—	—	S4
P66	—	—	S5
P67	—	—	S6
P68	—	—	S7
P69	—	—	S8
P70	—	—	S9
P71	—	—	S10

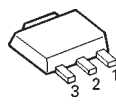
DAP202U  
DA204U



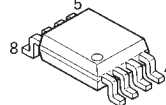
DA227



M5237ML-CF0J



NJM4580V-ZB



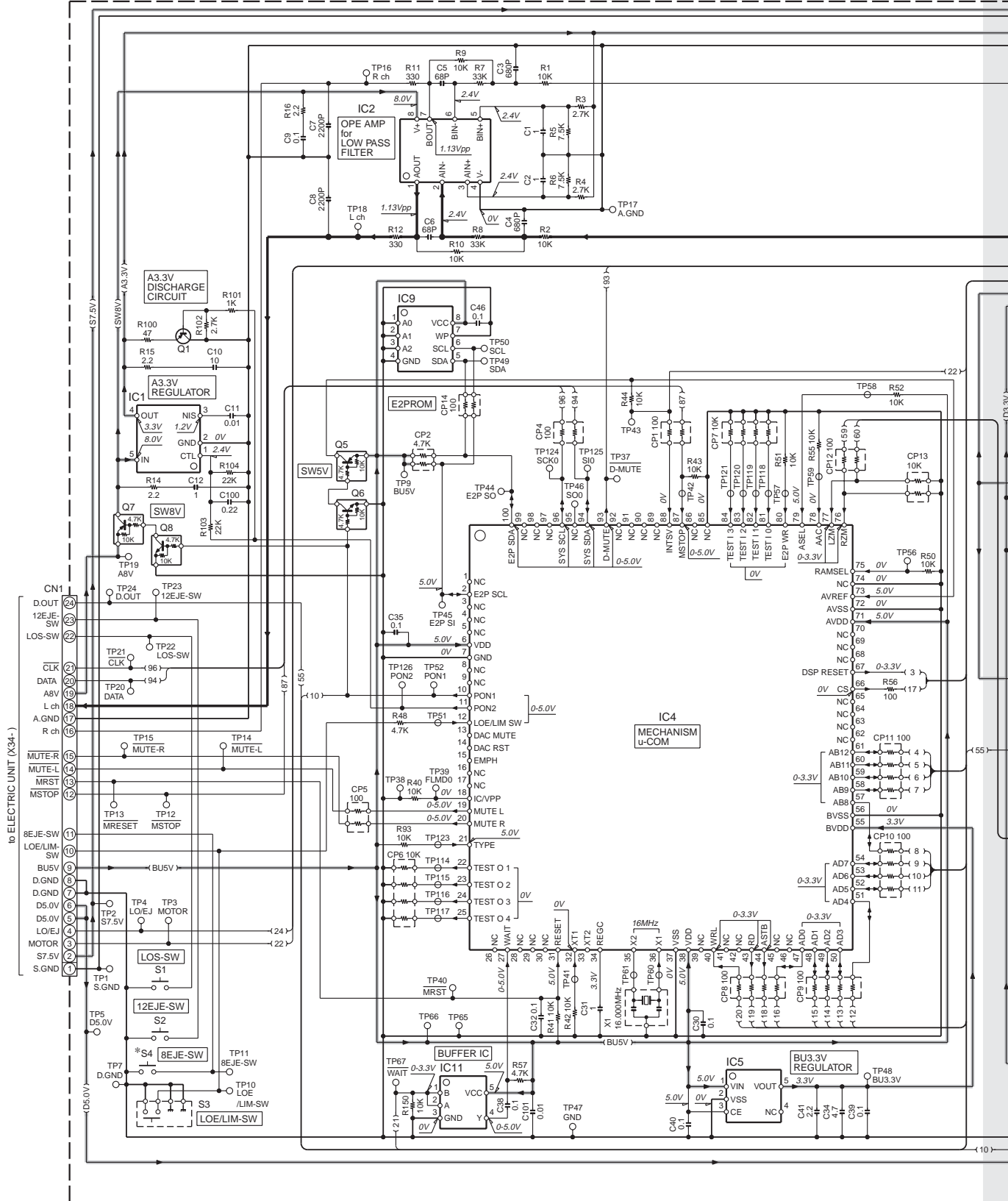
KDC-MP4032 (2/2)



# KDC-MP4032

IC1 : TAR5S33-F	IC7 : UPD63763CGJ	D1 : DAP202U	(X32-586x-xx)
IC2 : NJM4580V-ZB	IC9 : BR24L02FV-W	Q1 : 2SA1576A	UNIT No.
IC3 : BA5824FP	IC11 : TC7SET32FU-F	Q4 : 2SB0970	DESTINATION
IC4 : 703030BYGCJ21A		Q5,7 : DTA143XUA	0-00
IC5 : XC6219B332MR		Q6,8 : DTC143XUA	0-02
IC6 : BA33BC0WFP			K/ME
			0-01
			J

CD PLAYER UNIT (X32-5860-0x)



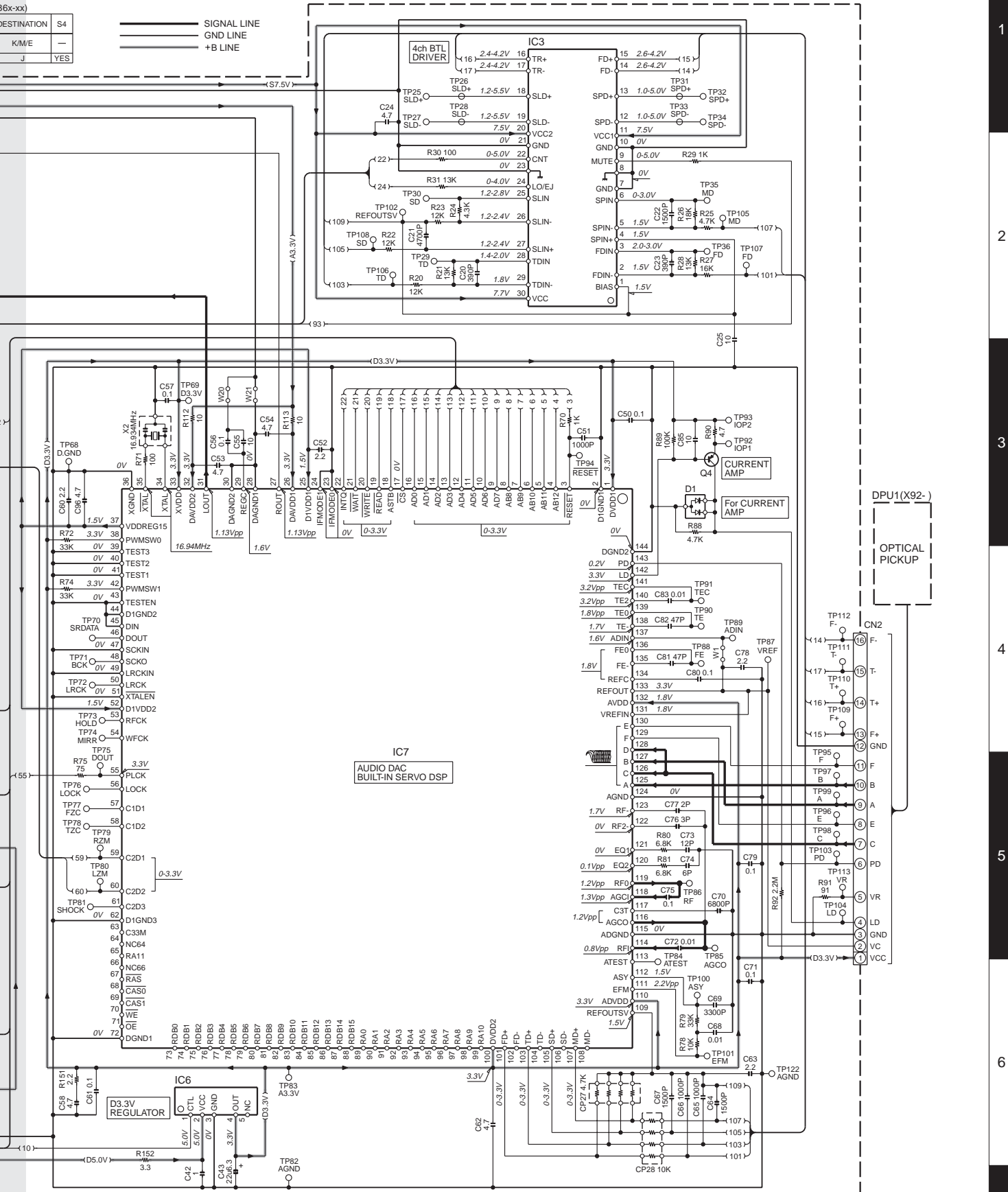
**CAUTION :** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).

⚠ 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.

# KDC-MP4032

36X-xx)

DESTINATION	S4
K/M/E	-
J	YES

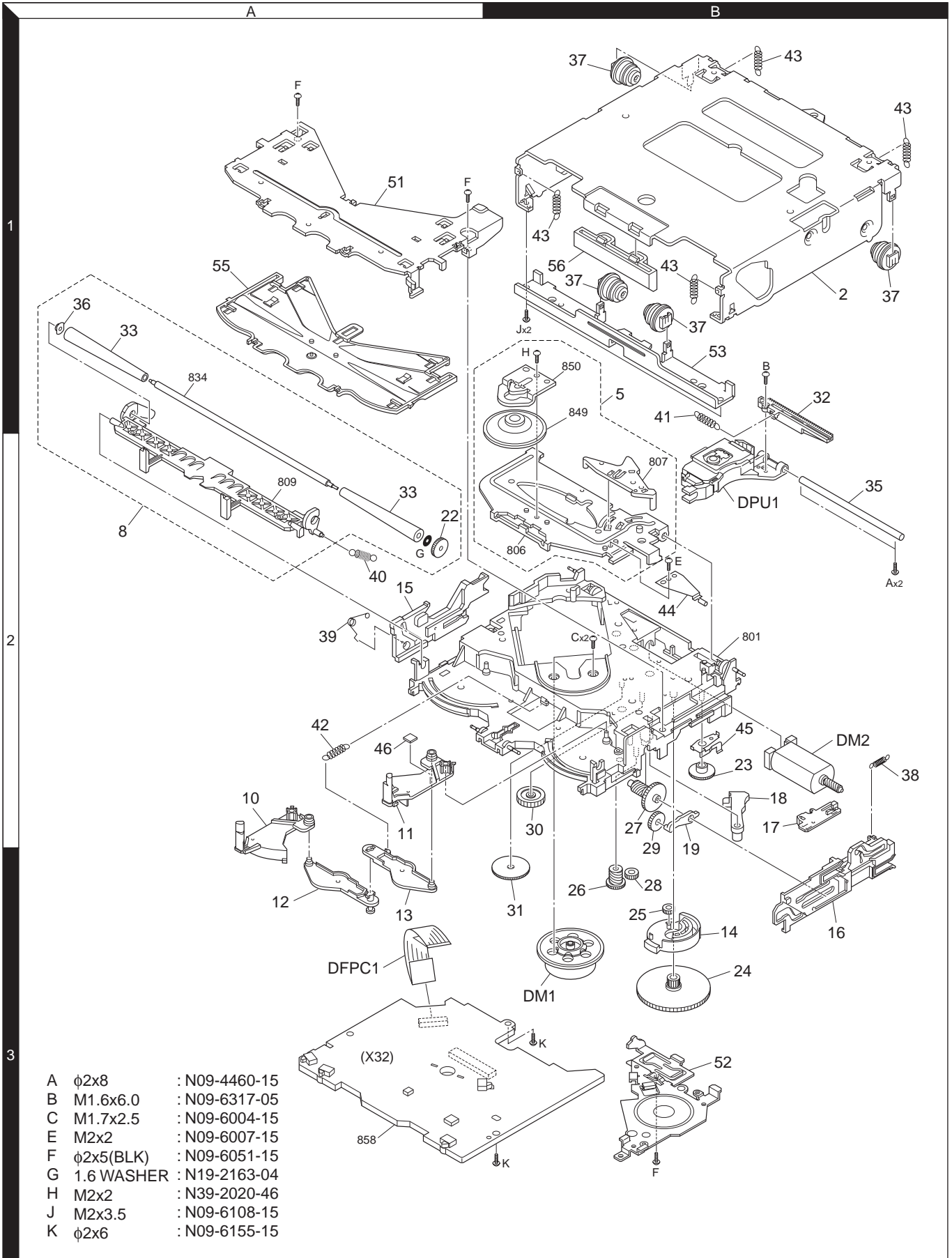


- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

1  
2  
3  
4  
5  
6  
7

# KDC-MP4032

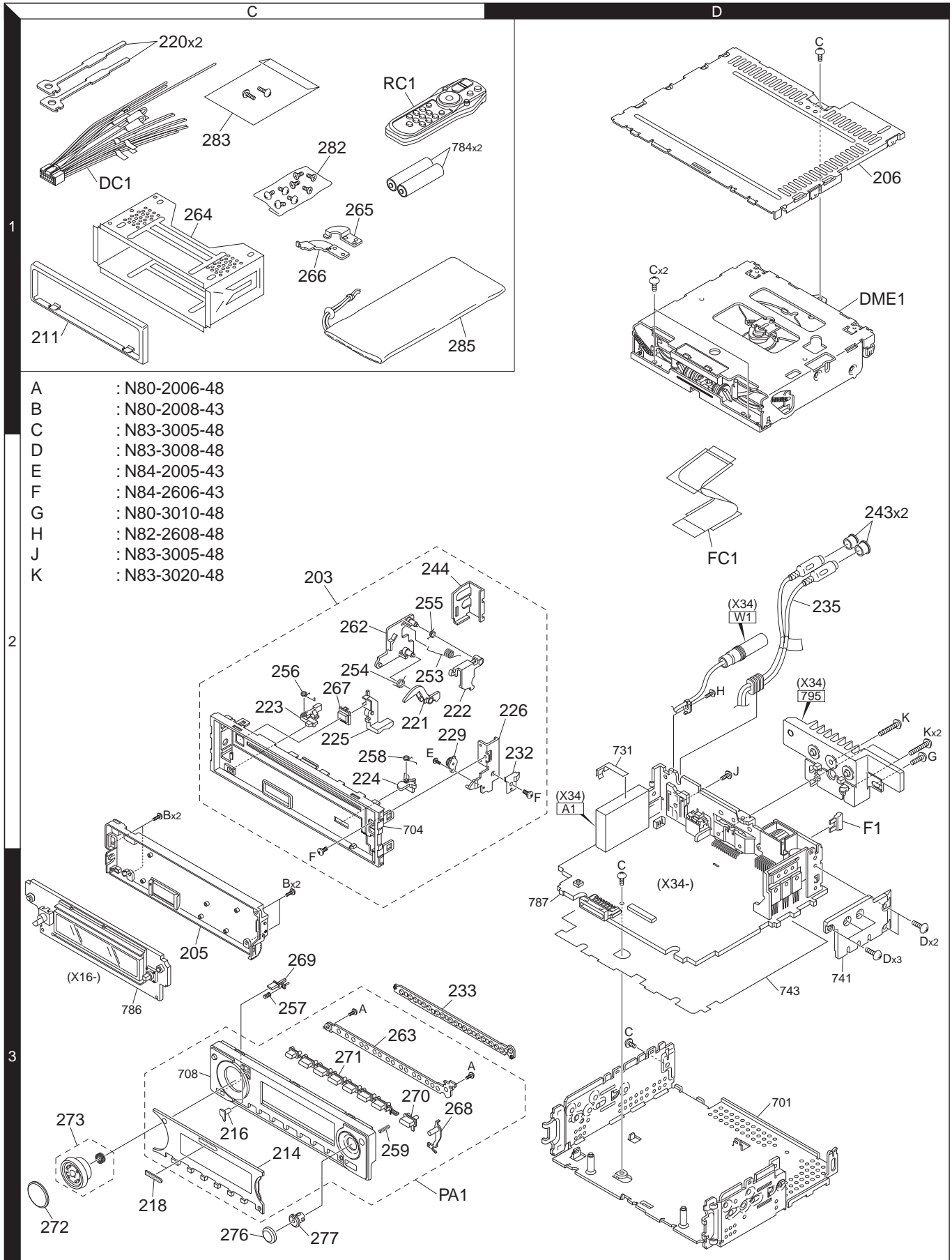
## EXPLODED VIEW (CD MECHANISM)



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

# KDC-MP4032

## EXPLODED VIEW (UNIT)



- A : N80-2006-48
- B : N80-2008-43
- C : N83-3005-48
- D : N83-3008-48
- E : N84-2005-43
- F : N84-2606-43
- G : N80-3010-48
- H : N82-2608-48
- J : N83-3005-48
- K : N83-3020-48

## PARTS LIST

\* New parts

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

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

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

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
<b>KDC-MP4032</b>					
203	2C		A22-3059-12	SUB PANEL ASSY	
205	3C	*	A46-1833-01	REAR COVER	
206	1D		A52-0862-02	TOP PLATE	
PA1	3C	*	A64-3753-01	PANEL ASSY	
RC1	1C		A70-2069-15	REMOTE CONTROLLER ASSY (RC-517)	
-			B46-0681-04	ID CARD	
-			B46-0682-00	WARRANTY CARD	
-			B58-1426-04	CAUTION CARD	
-		*	B64-3263-00	INST. MANUAL (ENG,FRE,SPA)	
211	1C		B07-3125-01	ESCUTCHEON	
214	3C	*	B10-4756-02	FRONT GLASS	
216	3C	*	B19-2364-04	LIGHTING BOARD (REMOTE)	
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		E30-6426-05	CORD WITH PINPLUG	
△ DC1	1C		E30-6428-05	DC CORD	
FC1	2D		E39-0736-05	FLAT CABLE	
243	2D		F29-0626-04	INSULATING COVER	
244	2C		F31-0716-04	REINFORCING HARDWARE	
△ 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	
258	2C		G01-3270-04	TORSION COIL SPRING	
259	3C	*	G01-3291-04	COMPRESSION SPRING	
-			H10-4919-12	POLYSTYRENE FOAMED FIXTURE	
-			H25-0329-04	PROTECTION BAG (280X450X0.03)	
-			H25-0337-04	PROTECTION BAG (180X300X0.03)	
-		*	H54-3624-03	ITEM CARTON CASE	
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)	
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)	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
273	3C	*	K29-7200-03	KNOB ASSY (VOL)	
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	
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	
D	3D		N83-3008-48	PAN HEAD TAPTITE SCREW	
E	2C		N84-2005-43	PAN HEAD TAPTITE SCREW	
F	2D		N84-2606-43	PAN HEAD TAPTITE SCREW	
285	1C		W01-1661-05	CARRYING CASE	
DME1	1D	*	X92-5470-00	MECHANISM ASSY (DXM-6680W)	
<b>SWITCH UNIT (X16-3490-10)</b>					
D1-3			B30-1567-05	LED (1608,RED)	
D7-9			B30-1567-05	LED (1608,RED)	
D13-15			B30-1567-05	LED (1608,RED)	
D19			B30-1567-05	LED (1608,RED)	
D20-23			B30-1729-05	LED (1608,BLUE)	
D25			B30-1567-05	LED (1608,RED)	
C8			CK73FB1A225K	CHIP C 2.2UF K	
C10			CK73GB1H104K	CHIP C 0.10UF K	
C13-16			CK73GB1H103K	CHIP C 0.010UF K	
C19,20			CK73GB1H104K	CHIP C 0.10UF K	
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			RK74GA1J101J	CHIP-COM 100 J 1/16W	
CP14			RK74HB1J473J	CHIP-COM 47K J 1/16W	
CP15			RK74HB1J222J	CHIP-COM 2.2K J 1/16W	
R1			RK73EB2E101J	CHIP R 100 J 1/4W	
R2			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R3-9			RK73EB2E101J	CHIP R 100 J 1/4W	
R10			RK73GB2A104J	CHIP R 100K J 1/10W	
R11			RK73GB2A4R7J	CHIP R 4.7 J 1/10W	
R13,14			RK73GB2A101J	CHIP R 100 J 1/10W	
R20			RK73GB2A101J	CHIP R 100 J 1/10W	
R21			RK73GB2A104J	CHIP R 100K J 1/10W	
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	
R55,56			RK73EB2E301J	CHIP R 300 J 1/4W	
R59,60			RK73EB2E821J	CHIP R 820 J 1/4W	
R73			RK73PB2H2R2J	CHIP R 2.2 J 1/2W	
R80			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R81			RK73GB2A223J	CHIP R 22K J 1/10W	
R112			RK73GB2A104J	CHIP R 100K J 1/10W	
W5			R92-1252-05	CHIP R 0 OHM J 1/16W	

E : Europe K : North America M : Other Areas W : Without Europe

△ Indicates safety critical components.

# KDC-MP4032

## PARTS LIST

### SWITCH UNIT (X16-3490-10)

Ref. No.	Add	New	Parts No.	Description	Destination
W7,8 W10			R92-1252-05 R92-2053-05	CHIP R 0 OHM J 1/16W CHIP R 0 OHM J 1/8W	
S2 S10 S27		*	S70-0106-05 S70-0939-05 S70-0939-05	TACT SWITCH TACT SWITCH TACT SWITCH	
S1			T99-0457-15	ROTARY ENCODER	
D102 D110 ED1 IC2 Q4		*	UDZS5.6B DA204U 3-BT-2351NK PNA4S22M02KW DTA114EE	ZENER DIODE DIODE FLUORESCENT INDICATOR TUBE ANALOGUE IC DIGITAL TRANSISTOR	
Q5 Q12-14 Q20			KTC4075EP(Y,GR) KTA2014EP(Y,GR) DTC144EE	TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR	

### CD PLAYER UNIT (X32-5860-00)

C1,2 C3,4 C5,6 C7,8 C9			CK73GB1A105K CC73GCH1H681J CC73GCH1H680J CK73GB1H222K CK73GB1H104K	CHIP C 1.0UF K CHIP C 680PF J CHIP C 68PF J CHIP C 2200PF K CHIP C 0.10UF K	
C10 C11 C12 C20 C21			CK73FB0J106K CK73GB1H103K CK73GB1A105K CC73GCH1H391J CK73GB1H472K	CHIP C 10UF K CHIP C 0.010UF K CHIP C 1.0UF K CHIP C 390PF J CHIP C 4700PF K	
C22 C23 C24 C25 C30			CK73GB1H152K CC73GCH1H391J CK73EB1A475K CK73FB0J106K CK73GB1H104K	CHIP C 1500PF K CHIP C 390PF J CHIP C 4.7UF K CHIP C 10UF K CHIP C 0.10UF K	
C31 C32 C34 C35 C38-40			CK73GB1A105K CK73GB1H104K CK73FB0J475K CK73GB1H104K CK73GB1H104K	CHIP C 1.0UF K CHIP C 0.10UF K CHIP C 4.7UF K CHIP C 0.10UF K CHIP C 0.10UF K	
C41 C42 C43 C46 C50			CK73GB0J225K CK73GB1A105K C92-1792-05 CK73GB1H104K CK73GB1H104K	CHIP C 2.2UF K CHIP C 1.0UF K ELECTRO 22UF 6.3WV CHIP C 0.10UF K CHIP C 0.10UF K	
C51 C52 C53,54 C55 C56,57			CK73GB1H102K CK73GB0J225K CK73GB0J475K CK73FB0J106K CK73GB1H104K	CHIP C 1000PF K CHIP C 2.2UF K CHIP C 4.7UF K CHIP C 10UF K CHIP C 0.10UF K	
C58 C60 C61 C62 C63			CK73FB0J475K CK73GB0J225K CK73GB1H104K CK73FB0J475K CK73GB0J225K	CHIP C 4.7UF K CHIP C 2.2UF K CHIP C 0.10UF K CHIP C 4.7UF K CHIP C 2.2UF K	
C64 C65,66 C67			CK73GB1H152K CK73GB1H102K CK73GB1H152K	CHIP C 1500PF K CHIP C 1000PF K CHIP C 1500PF K	

Ref. No.	Add	New	Parts No.	Description	Destination
C68 C69 C70 C71 C72			CK73GB1H103K CK73GB1H332K CK73GB1H682K CK73GB1H104K CK73GB1H103K	CHIP C 0.010UF K CHIP C 3300PF K CHIP C 6800PF K CHIP C 0.10UF K CHIP C 0.010UF K	
C73 C74 C75 C76 C77			CC73GCH1H120J CC73GCH1H060D CK73GB1H104K CC73GCH1H030C CC73GCH1H020C	CHIP C 12PF J CHIP C 6.0PF D CHIP C 0.10UF K CHIP C 3.0PF C CHIP C 2.0PF C	
C78 C79,80 C81,82 C83 C85			CK73GB0J225K CK73GB1H104K CC73GCH1H470J CK73GB1H103K CK73FB0J106K	CHIP C 2.2UF K CHIP C 0.10UF K CHIP C 47PF J CHIP C 0.010UF K CHIP C 10UF K	
C96 C100 C101			CK73GB0J475K CK73GB1C224K CK73GB1H103K	CHIP C 4.7UF K CHIP C 0.22UF K CHIP C 0.010UF K	
CN1 CN2			E41-2083-15 E41-2297-05	FLAT CABLE CONNECTOR FLAT CABLE CONNECTOR	
X1 X2			L78-0862-05 L78-0851-05	RESONATOR (16.00MHZ) RESONATOR (16.93MHZ)	
CP1 CP2 CP4,5 CP6,7 CP8-11			RK74GA1J101J RK74GA1J472J RK74GA1J101J RK74HB1J103J RK74HB1J101J	CHIP-COM 100 J 1/16W CHIP-COM 4.7K J 1/16W CHIP-COM 100 J 1/16W CHIP-COM 10K J 1/16W CHIP-COM 100 J 1/16W	
CP12 CP13 CP14 CP27 CP28			RK74GA1J101J RK74GA1J103J RK74GA1J101J RK74GB1J472J RK74GB1J103J	CHIP-COM 100 J 1/16W CHIP-COM 10K J 1/16W CHIP-COM 100 J 1/16W CHIP-COM 4.7K J 1/16W CHIP-COM 10K J 1/16W	
R1,2 R3,4 R5,6 R7,8 R9,10			RK73GH2A103D RK73GB2A272J RK73GB2A752J RK73GB2A333J RK73GH2A103D	CHIP R 10K D 1/10W CHIP R 2.7K J 1/10W CHIP R 7.5K J 1/10W CHIP R 33K J 1/10W CHIP R 10K D 1/10W	
R11,12 R14-16 R20 R21 R22,23			RK73GB2A331J RK73GB2A2R2J RK73GB2A123J RK73GB2A133J RK73GB2A123J	CHIP R 330 J 1/10W CHIP R 2.2 J 1/10W CHIP R 12K J 1/10W CHIP R 13K J 1/10W CHIP R 12K J 1/10W	
R24 R25 R26 R27 R28			RK73GB2A432J RK73GB2A472J RK73GB2A183J RK73GB2A163J RK73GB2A133J	CHIP R 4.3K J 1/10W CHIP R 4.7K J 1/10W CHIP R 18K J 1/10W CHIP R 16K J 1/10W CHIP R 13K J 1/10W	
R29 R30 R31 R40-44 R48			RK73GB2A102J RK73GB2A101J RK73GB2A133J RK73GB2A103J RK73GB2A472J	CHIP R 1.0K J 1/10W CHIP R 100 J 1/10W CHIP R 13K J 1/10W CHIP R 10K J 1/10W CHIP R 4.7K J 1/10W	
R50-52			RK73GB2A103J	CHIP R 10K J 1/10W	

E : Europe K : North America M : Other Areas W : Without Europe

△ Indicates safety critical components.

## PARTS LIST

### CD PLAYER UNIT (X32-5860-00)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
R55			RK73GB2A103J	CHIP R 10K J 1/10W		C8			CD04AT1A221M	ELECTRO 220UF 10WV	
R56			RK73GB2A101J	CHIP R 100 J 1/10W		C9			CD04AS1C101M	ELECTRO 100UF 16WV	
R57			RK73GB2A472J	CHIP R 4.7K J 1/10W		C11			CD04AS1HR47M	ELECTRO 0.47UF 50WV	
R70			RK73GB2A102J	CHIP R 1.0K J 1/10W		C12			CD04BF1V470M	ELECTRO 47UF 35WV	
R71			RK73GB2A101J	CHIP R 100 J 1/10W		C14			CD04AS1C101M	ELECTRO 100UF 16WV	
R72			RK73GB2A333J	CHIP R 33K J 1/10W		C15			CD04AS1C220M	ELECTRO 22UF 16WV	
R74			RK73GB2A333J	CHIP R 33K J 1/10W		C16			CD04AS1C470M	ELECTRO 47UF 16WV	
R75			RK73GB2A750J	CHIP R 75 J 1/10W		C18			CD04BF1E101M	ELECTRO 100UF 25WV	
R78			RK73GB2A103J	CHIP R 10K J 1/10W		C19			CK73GB1A105K	CHIP C 1.0UF K	
R79			RK73GB2A333J	CHIP R 33K J 1/10W		C20			CD04BK1E101M	ELECTRO 100UF 25WV	
R80,81			RK73GB2A682J	CHIP R 6.8K J 1/10W		C101			CD04AS1H3R3M	ELECTRO 3.3UF 50WV	
R88			RK73GB2A472J	CHIP R 4.7K J 1/10W		C102			CK73GB1A105K	CHIP C 1.0UF K	
R89			RK73GB2A104J	CHIP R 100K J 1/10W		C103			CK73GB1H104K	CHIP C 0.10UF K	
R90			RK73GB2A4R7J	CHIP R 4.7 J 1/10W		C104			CK73GB1H103K	CHIP C 0.010UF K	
R91			RK73GB2A910J	CHIP R 91 J 1/10W		C105			CK73GB1H223K	CHIP C 0.022UF K	
R92			RK73GB2A225J	CHIP R 2.2M J 1/10W		C106			CK73FB1C105K	CHIP C 1.0UF K	
R93			RK73GB2A103J	CHIP R 10K J 1/10W		C107			CK73GB1H102K	CHIP C 1000PF K	
R100			RK73GB2A470J	CHIP R 47 J 1/10W		C108-110			CK73GB1H103K	CHIP C 0.010UF K	
R101			RK73GB2A102J	CHIP R 1.0K J 1/10W		C201			CD04AS0J470M	ELECTRO 47UF 6.3WV	
R102			RK73GB2A272J	CHIP R 2.7K J 1/10W		C202			CK73GB1H103K	CHIP C 0.010UF K	
R103,104			RK73GB2A223J	CHIP R 22K J 1/10W		C203,204			CC73GCH1H220J	CHIP C 22PF J	
R112,113			RK73GB2A100J	CHIP R 10 J 1/10W		C205			CK73GB1H104K	CHIP C 0.10UF K	
R150			RK73GB2A103J	CHIP R 10K J 1/10W		C206,207			CK73GB1H103K	CHIP C 0.010UF K	
R151			RK73GB2A2R2J	CHIP R 2.2 J 1/10W		C208			CK73GB1H102K	CHIP C 1000PF K	
R152			RK73EB2E3R3J	CHIP R 3.3 J 1/4W		C209			CK73GB1H103K	CHIP C 0.010UF K	
W1			R92-1252-05	CHIP R 0 OHM J 1/16W		C302-305			CK73GB1H103K	CHIP C 0.010UF K	
W20,21			R92-1252-05	CHIP R 0 OHM J 1/16W		C306			CD04AS1V100M	ELECTRO 10UF 35WV	
S1,2			S68-0863-05	PUSH SWITCH		C307			CK73GB1H103K	CHIP C 0.010UF K	
S3			S68-0862-05	PUSH SWITCH		C308			CD04AS1V100M	ELECTRO 10UF 35WV	
D1			DAP202U	DIODE		C309			CK73GB1H103K	CHIP C 0.010UF K	
IC1			TAR5S33-F	ANALOGUE IC		C310			CD04BF1V470M	ELECTRO 47UF 35WV	
IC2			NJM4580V-ZB	ANALOGUE IC		C311			CK73GB1H103K	CHIP C 0.010UF K	
IC3			BA5824FP	ANALOGUE IC		C312			CD04BK1E101M	ELECTRO 100UF 25WV	
IC4		*	703030BYGJC21A	MICROCONTROLLER IC		C313			CD04AS1V100M	ELECTRO 10UF 35WV	
IC5			XC6219B332MR	ANALOGUE IC		C320,321			CK73GB1H103K	CHIP C 0.010UF K	
IC6			BA33BC0WFP	ANALOGUE IC		C322			CD04AS1V100M	ELECTRO 10UF 35WV	
IC7		*	UPD63763CGJ	MOS-IC		C401			CD04AS1C470M	ELECTRO 47UF 16WV	
IC9			BR24L02FV-W	ROM IC		C402,403			CD04AS1H010M	ELECTRO 1UF 50WV	
IC11			TC7SET32FU-F	MOS-IC		C404			CK73GB1A105K	CHIP C 1.0UF K	
C405						C405			CD04AS1H4R7M	ELECTRO 4.7UF 50WV	
Q1			2SA1576A	TRANSISTOR		C406,407			CK73FB1A335K	CHIP C 3.3UF K	
Q4			2SB0970	TRANSISTOR		C410			CK73GB1H103K	CHIP C 0.010UF K	
Q5			DTA143XUA	DIGITAL TRANSISTOR		C411			CD04AS1C470M	ELECTRO 47UF 16WV	
Q6			DTC143XUA	DIGITAL TRANSISTOR		C412			CD04AS1V100M	ELECTRO 10UF 35WV	
Q7			DTA143XUA	DIGITAL TRANSISTOR		C413,414			CK73FB1E474K	CHIP C 0.47UF K	
Q8			DTC143XUA	DIGITAL TRANSISTOR		C415,416			CD04AS1H2R2M	ELECTRO 2.2UF 50WV	
<b>ELECTRIC UNIT (X34-4180-10)</b>						C417-422			CD04AS1C220M	ELECTRO 22UF 16WV	
D302			B30-1710-05	LED (RED)		C423,424			CC73GCH1H101J	CHIP C 100PF J	
C1			C90-6746-05	ELECTRO 3300UF 16WV		C431			CD04AS1V100M	ELECTRO 10UF 35WV	
C3			C90-5692-05	ELECTRO 220UF 16WV		C501			CK73FB1C105K	CHIP C 1.0UF K	
C5			CD04AS1V100M	ELECTRO 10UF 35WV		C503-506			C90-5700-05	NP-ELEC 4.7UF 16WV	
C6			CD04AS0J101M	ELECTRO 100UF 6.3WV		C507			CK73FB1C105K	CHIP C 1.0UF K	
C7			CK73FB1C105K	CHIP C 1.0UF K		C510,511			CK73FB1E474K	CHIP C 0.47UF K	
						C512			CD04AS0J470M	ELECTRO 47UF 6.3WV	
						C513			CK73GB1H103K	CHIP C 0.010UF K	

E : Europe K : North America M : Other Areas W : Without Europe

△ Indicates safety critical components.

# KDC-MP4032

## PARTS LIST

### ELECTRIC UNIT (X34-4180-10)

Ref. No.	Add	New	Parts No.	Description	Destination
C529			C90-5700-05	NP-ELEC 4.7UF 16WV	
C802			CK73GB1H102K	CHIP C 1000PF K	
C953,954			CD04AS1V100M	ELECTRO 10UF 35WV	
C955			CK73GB1H103K	CHIP C 0.010UF K	
C957,958			CK73GB1H102K	CHIP C 1000PF K	
C959			CD04AS1C470M	ELECTRO 47UF 16WV	
C960			CK73GB1H104K	CHIP C 0.10UF K	
C961			CD04AS1V100M	ELECTRO 10UF 35WV	
C999			CD04AS1C101M	ELECTRO 100UF 16WV	
CN1			E41-2244-05	FLAT CABLE CONNECTOR	
CN4			E41-2446-05	PIN ASSY	
J1			E58-0991-05	RECTANGULAR RECEPTACLE	
J2			E56-0855-05	CYLINDRICAL RECEPTACLE	
J3			E63-0896-05	PIN JACK	
J4			E58-0992-05	RECTANGULAR RECEPTACLE	
W1	2D		E30-6218-15	CORD WITH PLUG	
L1			L33-1988-05	CHOKE COIL ASSY	
L2			L33-1925-05	CHOKE COIL	
L3			L33-2262-05	CHOKE COIL	
L201			L41-4795-33	SMALL FIXED INDUCTOR (4.7UH)	
L202			L92-0075-05	CHIP FERRITE	
L301			L33-2260-05	CHOKE COIL	
L302-304			L41-4795-33	SMALL FIXED INDUCTOR (4.7UH)	
X1			L77-2880-05	CRYSTAL RESONATOR (32.768KHZ)	
X2			L78-0872-05	RESONATOR (12MHZ)	
G	2D		N80-3010-48	PAN HEAD TAPTITE SCREW	
H	2D		N82-2608-48	BINDING HEAD TAPTITE SCREW	
J	2D		N83-3005-48	PAN HEAD TAPTITE SCREW	
K	2D		N83-3020-48	PAN HEAD TAPTITE SCREW	
CP201,202			RK74GB1J101J	CHIP-COM 100 J 1/16W	
CP203			RK74GA1J471J	CHIP-COM 470 J 1/16W	
CP204			RK74GA1J102J	CHIP-COM 1.0K J 1/16W	
CP206			RK74GB1J222J	CHIP-COM 2.2K J 1/16W	
CP207,208			RK74GA1J102J	CHIP-COM 1.0K J 1/16W	
CP209			RK74GB1J101J	CHIP-COM 100 J 1/16W	
R1			RK73FB2B153J	CHIP R 15K J 1/8W	
R2			RK73GB2A101J	CHIP R 100 J 1/10W	
R3			RK73GB2A223J	CHIP R 22K J 1/10W	
R4			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R5			RK73FB2B221J	CHIP R 220 J 1/8W	
R6			RK73GB2A153J	CHIP R 15K J 1/10W	
R7			RK73GH2A243D	CHIP R 24K D 1/10W	
R8			RK73GH2A432D	CHIP R 4.3K D 1/10W	
R9			RK73FB2B152J	CHIP R 1.5K J 1/8W	
R11			RK73GB2A123J	CHIP R 12K J 1/10W	
R12			RK73GB2A152J	CHIP R 1.5K J 1/10W	
R13			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R15			RK73GB2A473J	CHIP R 47K J 1/10W	
R17,18			RK73GB2A223J	CHIP R 22K J 1/10W	
R20			RK73GB2A473J	CHIP R 47K J 1/10W	
R21			RK73GB2A103J	CHIP R 10K J 1/10W	
R22			RK73SB3A220J	CHIP R 22 J 1W	
R23			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R24			RK73GB2A513J	CHIP R 51K J 1/10W	

Ref. No.	Add	New	Parts No.	Description	Destination
R25,26			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R27			RK73GB2A221J	CHIP R 220 J 1/10W	
R28,29			RK73GB2A2R2J	CHIP R 2.2 J 1/10W	
R30			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R31			RK73SB3A9R1J	CHIP R 9.1 J 1W	
R101			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R102,103			RK73EB2E103J	CHIP R 10K J 1/4W	
R104			RK73EB2E472J	CHIP R 4.7K J 1/4W	
R105			RK73SB3A471J	CHIP R 470 J 1W	
R106			RK73GB2A223J	CHIP R 22K J 1/10W	
R107			RK73FB2B472J	CHIP R 4.7K J 1/8W	
R108			R92-5024-05	CHIP R 1K J 1/2W	
R109			RK73GB2A223J	CHIP R 22K J 1/10W	
R110			R92-5024-05	CHIP R 1K J 1/2W	
R112			RK73GB2A223J	CHIP R 22K J 1/10W	
R113			RK73GB2A473J	CHIP R 47K J 1/10W	
R114			RK73GB2A104J	CHIP R 100K J 1/10W	
R115			RK73FB2B683J	CHIP R 68K J 1/8W	
R116			RK73GB2A393J	CHIP R 39K J 1/10W	
R117			RK73FB2B203J	CHIP R 20K J 1/8W	
R118			RK73GB2A104J	CHIP R 100K J 1/10W	
R119			RK73GB2A103J	CHIP R 10K J 1/10W	
R120			RK73GB2A474J	CHIP R 470K J 1/10W	
R121			RK73GB2A101J	CHIP R 100 J 1/10W	
R122,123			RK73GB2A103J	CHIP R 10K J 1/10W	
R124			RK73GB2A104J	CHIP R 100K J 1/10W	
R125			RK73GB2A223J	CHIP R 22K J 1/10W	
R126			RD14DB2H332J-T	SMALL-RD 3.3K J 1/2W	
R127			RK73EB2E333J	CHIP R 33K J 1/4W	
R128,129			RK73GB2A103J	CHIP R 10K J 1/10W	
R130			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R131			RK73GB2A473J	CHIP R 47K J 1/10W	
R201			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R202			RK73GB2A225J	CHIP R 2.2M J 1/10W	
R203			RK73GB2A104J	CHIP R 100K J 1/10W	
R204			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R205			RK73GB2A103J	CHIP R 10K J 1/10W	
R207,208			RK73GB2A103J	CHIP R 10K J 1/10W	
R210			RK73GB2A473J	CHIP R 47K J 1/10W	
R211			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R212			RK73GB2A473J	CHIP R 47K J 1/10W	
R213			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R215			RK73GB2A104J	CHIP R 100K J 1/10W	
R216			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R218			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R224			RK73GB2A473J	CHIP R 47K J 1/10W	
R227,228			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R229,230			RK73GB2A473J	CHIP R 47K J 1/10W	
R233			RK73GB2A101J	CHIP R 100 J 1/10W	
R234,235			RK73GB2A392J	CHIP R 3.9K J 1/10W	
R236,237			RK73GB2A473J	CHIP R 47K J 1/10W	
R239			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R240			RK73GB2A101J	CHIP R 100 J 1/10W	
R241			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R244			RK73GB2A473J	CHIP R 47K J 1/10W	

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## PARTS LIST

### ELECTRIC UNIT (X34-4180-10)

Ref. No.	Add	New	Parts No.	Description	Destination	Ref. No.	Add	New	Parts No.	Description	Destination
R246			RK73GB2A473J	CHIP R 47K J 1/10W		R516,517			RK73EB2E100J	CHIP R 10 J 1/4W	
R248-250			RK73GB2A473J	CHIP R 47K J 1/10W		R518			RK73EB2E4R7J	CHIP R 4.7 J 1/4W	
R253			RK73GB2A222J	CHIP R 2.2K J 1/10W		R519			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R254			RK73GB2A473J	CHIP R 47K J 1/10W		R520			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R257,258			RK73GB2A222J	CHIP R 2.2K J 1/10W		R801			RK73GB2A8R2J	CHIP R 8.2 J 1/10W	
R259,260			RK73GB2A104J	CHIP R 100K J 1/10W		R802			RK73GB2A5R6J	CHIP R 5.6 J 1/10W	
R261			RK73GB2A333J	CHIP R 33K J 1/10W		R920			RK73GB2A391J	CHIP R 390 J 1/10W	
R262,263			RK73GB2A473J	CHIP R 47K J 1/10W		R921			RK73GB2A242J	CHIP R 2.4K J 1/10W	
R301			RK73EB2E102J	CHIP R 1.0K J 1/4W		R922			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R302,303			RK73EB2E101J	CHIP R 100 J 1/4W		R924			RK73GB2A512J	CHIP R 5.1K J 1/10W	
R304			RK73EB2E102J	CHIP R 1.0K J 1/4W		R925			RK73GB2A101J	CHIP R 100 J 1/10W	
R305-309			RK73EB2E101J	CHIP R 100 J 1/4W		R926			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R310			RK73EB2E102J	CHIP R 1.0K J 1/4W		R927			RK73GB2A113J	CHIP R 11K J 1/10W	
R311			RK73GB2A222J	CHIP R 2.2K J 1/10W		R928			RK73FB2B4R7J	CHIP R 4.7 J 1/8W	
R312			RK73GB2A473J	CHIP R 47K J 1/10W		R929			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R313			RK73GB2A472J	CHIP R 4.7K J 1/10W		R930			RK73FB2B1R0J	CHIP R 1.0 J 1/8W	
R316			RK73GB2A104J	CHIP R 100K J 1/10W		R932			RK73GB2A100J	CHIP R 10 J 1/10W	
R317			RK73GB2A471J	CHIP R 470 J 1/10W		R933			RK73FB2B152J	CHIP R 1.5K J 1/8W	
R318			RK73GB2A104J	CHIP R 100K J 1/10W		R934			RK73GB2A104J	CHIP R 100K J 1/10W	
R319			RK73GB2A471J	CHIP R 470 J 1/10W		R935			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R320			RK73FB2B102J	CHIP R 1.0K J 1/8W		R936			RK73GB2A103J	CHIP R 10K J 1/10W	
R321			RK73GB2A223J	CHIP R 22K J 1/10W		R937			RK73GB2A101J	CHIP R 100 J 1/10W	
R322			RK73GB2A471J	CHIP R 470 J 1/10W		R941-944			RK73GB2A471J	CHIP R 470 J 1/10W	
R323			RK73GB2A472J	CHIP R 4.7K J 1/10W		R945-949			RK73GB2A103J	CHIP R 10K J 1/10W	
R324			RK73GB2A471J	CHIP R 470 J 1/10W		R950			RK73GB2A432J	CHIP R 4.3K J 1/10W	
R325			RK73GB2A472J	CHIP R 4.7K J 1/10W		R951			RK73GB2A100J	CHIP R 10 J 1/10W	
R326			RK73GB2A222J	CHIP R 2.2K J 1/10W		R952			RK73GB2A431J	CHIP R 430 J 1/10W	
R327			RK73GB2A681J	CHIP R 680 J 1/10W		R953			RK73GB2A510J	CHIP R 51 J 1/10W	
R332			RK73GB2A241J	CHIP R 240 J 1/10W		W3			R92-1252-05	CHIP R 0 OHM J 1/16W	
R336			RK73GB2A474J	CHIP R 470K J 1/10W		W14			R92-2053-05	CHIP R 0 OHM J 1/8W	
R337,338			RK73GB2A102J	CHIP R 1.0K J 1/10W		W931,932			R92-1252-05	CHIP R 0 OHM J 1/16W	
R339			RK73GB2A474J	CHIP R 470K J 1/10W		W997,998			R92-1252-05	CHIP R 0 OHM J 1/16W	
R401			RK73GB2A103J	CHIP R 10K J 1/10W		S3			S74-0822-05	MICRO SWITCH	
R402,403			RK73GB2A361J	CHIP R 360 J 1/10W		S4			S70-0931-05	TACT SWITCH	
R404,405			RK73GB2A223J	CHIP R 22K J 1/10W		D1			S2V60*A	DIODE	
R406,407			RK73GB2A361J	CHIP R 360 J 1/10W		D2			RB160L-40	DIODE	
R408,409			RK73GB2A223J	CHIP R 22K J 1/10W		D3			02DZ5.6F-Y	ZENER DIODE	
R410,411			RK73GB2A361J	CHIP R 360 J 1/10W		D4			02DZ8.2F-Y	ZENER DIODE	
R412,413			RK73GB2A223J	CHIP R 22K J 1/10W		D8			02DZ12F-X	ZENER DIODE	
R414-419			RK73FB2B181J	CHIP R 180 J 1/8W		D9			1SR154-400	DIODE	
R426			RK73GB2A222J	CHIP R 2.2K J 1/10W		D10			SFPB-54VNF	DIODE	
R427			RK73GB2A472J	CHIP R 4.7K J 1/10W		D101	*		1SR139-400T64	DIODE	
R428			RK73GB2A102J	CHIP R 1.0K J 1/10W		D102-105			1SR154-400	DIODE	
R429			RK73GB2A473J	CHIP R 47K J 1/10W		D107			02DZ4.7F-Y	ZENER DIODE	
R431			RK73GB2A100J	CHIP R 10 J 1/10W		D108,109			02DZ6.8F-Y	ZENER DIODE	
R432			RK73EB2E2R2J	CHIP R 2.2 J 1/4W		D110	*		BAV70W	DIODE	
R433,434			RK73GB2A101J	CHIP R 100 J 1/10W		D111			02DZ6.2F-Y	ZENER DIODE	
R501			RK73GB2A102J	CHIP R 1.0K J 1/10W		D303			02DZ9.1F-Z	ZENER DIODE	
R503			RK73GB2A302J	CHIP R 3.0K J 1/10W		D401-403	*		BAW56W	DIODE	
R505,506			RK73GB2A223J	CHIP R 22K J 1/10W		D404			STZ6.8N	ZENER DIODE	
R507			RK73GB2A221J	CHIP R 220 J 1/10W		D407			02DZ5.6F-Y	ZENER DIODE	
R508			RK73EB2E472J	CHIP R 4.7K J 1/4W		D411	*		BAW56W	DIODE	
R509			RK73EB2E101J	CHIP R 100 J 1/4W		D501,502	*		BAW56W	DIODE	
R510			RK73EB2E472J	CHIP R 4.7K J 1/4W		D503,504			1SR154-400	DIODE	
R511-515			RK73EB2E101J	CHIP R 100 J 1/4W							

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## PARTS LIST

### ELECTRIC UNIT (X34-4180-10)

Ref. No.	Add	New	Parts No.	Description	Destination
D505,506 D507-510 D511,512 D513-515 D903		*	1SR139-400T64 1SR154-400 STZ6.8N STZ6.2N 02DZ6.8F-Y	DIODE DIODE ZENER DIODE ZENER DIODE ZENER DIODE	
D904 D905 IC1 IC2 IC3		*	DA227 02DZ16F-Y 30624MGPA76GP E-TDA7415C M5237ML-CF0J	DIODE ZENER DIODE MICROCONTROLLER IC ANALOGUE IC ANALOGUE IC	
IC4 IC5 IC6 IC7 IC11		*	E-TDA7560A BA00CCWT-V5 SN74HC02APWR S-80836CNNB-J TA75S558F-F	ANALOGUE IC ANALOGUE IC MOS-IC MOS-IC ANALOGUE IC	
IC12 IC902 Q1 Q2 Q3,4			SI-8050JF3NF NJM4565V-ZB 2SB1565 2SC4155A(Q,R,S) KTA2014P(Y,GR)	ANALOGUE IC ANALOGUE IC TRANSISTOR TRANSISTOR TRANSISTOR	
Q5 Q6 Q7 Q8 Q9			2SB1565 UMC2N 2SB1565 2SC4155A(Q,R,S) DTC124EUA	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR	
Q11 Q12 Q13 Q14,15 Q16			DTC124EUA DTC144EUA KTA2014P(Y,GR) 2SC4155A(Q,R,S) 2SB1443	DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	
Q101 Q102 Q103 Q104 Q105			2SB1188(Q,R) DTC114YUA 2SB1188(Q,R) KTA2014P(Y,GR) DTA114EUA	TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR	
Q106 Q108 Q109 Q110 Q111,112			DTC114YUA DTC144EUA 2SC4155A(Q,R,S) KTA2014P(Y,GR) 2SC4155A(Q,R,S)	DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	
Q113 Q114 Q115,116 Q299 Q300			KTA2014P(Y,GR) DTA144EE DTA124EUA UMC2N 2SB1689	TRANSISTOR DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR	
Q301 Q302 Q303 Q304 Q305			DTC124EUA 2SB1565 2SC4155A(Q,R,S) DTC114YUA 2SA1577	DIGITAL TRANSISTOR TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR	
Q306 Q400-405 Q905 Q906 Q907			DTC144EUA DTC143TUA 2SC2873-F DTA124EUA KTA2014P(Y,GR)	DIGITAL TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR DIGITAL TRANSISTOR TRANSISTOR	

Ref. No.	Add	New	Parts No.	Description	Destination
TH1			PRF21BD471QB2	POSITIVE RESISTOR	
A1	2D		X86-3840-11	FRONT-END UNIT	
<b>MECHANISM ASSY (X92-5470-00)</b>					
2	1B		A10-4827-32	CHASSIS	
5	1B		D10-4576-83	ARM ASSY	
8	2A		D10-4579-23	LEVER ASSY	
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		D13-2381-13	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	
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	
44	2B		G02-1399-04	FLAT SPRING	
45	2B		G02-1408-04	FLAT SPRING	
46	2A		G13-1258-04	CUSHION	
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		J84-0141-05	FLEXIBLE PRINTED WIRING BOARD	
A	2B		N09-4460-15	TAPTITE SCREW (OVAL P TAPTIT)	
B	1B		N09-6317-05	TAPTITE SCREW (M1.6X6.0)	
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 P 2X5)	

E : Europe K : North America M : Other Areas W : Without Europe

△ Indicates safety critical components.

## PARTS LIST

### MECHANISM ASSY (X92-5470-00)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
G	2A		N19-2163-04	FLAT WASHER							
H	1B		N39-2020-46	PAN HEAD MACHINE SCREW							
J	1B		N09-6108-15	MACHINE 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		X93-2130-00	OPTICAL PICKUP ASSY							

E : Europe    K : North America    M : Other Areas    W : Without Europe

△ Indicates safety critical components.

# KDC-MP4032

## SPECIFICATIONS

### FM

Frequency Range (Frequency Step)  
..... 87.9MHz~107.9MHz (200kHz)  
Channel Space Selection ..... 50kHz / 200kHz  
Usable Sensitivity (S/N : 30dB) ..... 9.3dBf (0.8 $\mu$ V / 75 $\Omega$ )  
Quieting Sensitivity (S/N : 50dB) ..... 15.2dBf (1.6 $\mu$ V / 75 $\Omega$ )  
Frequency Response ( $\pm$ 3.0dB) ..... 30Hz~15kHz  
S/N ..... 70dB (MONO)  
Selectivity .....  $\geq$ 80dB ( $\pm$ 400kHz)  
Stereo Separation ..... 40dB (1kHz)

### AM

Frequency Range (Frequency Step)  
..... 530kHz~1700kHz (10kHz)  
Channel Space Selection ..... 9kHz / 10kHz  
Usable Sensitivity (S/N : 20dB) ..... 28dB $\mu$ V (25 $\mu$ V)

### CD

Laser Diode ..... GaAlAs  
Digital Filter (D/A) ..... 8 Times Over Sampling  
D/A Converter ..... 1 Bit  
Spindle Speed ..... 1000rpm~400rpm (CLV. 2 times)  
Wow & Flutter ..... Below Mesurable Limit  
Frequency Response ..... 10Hz~20kHz ( $\pm$ 1dB)  
Total Harmonic Distortion ..... 0.01% (1kHz)  
S/N Ratio ..... 105dB (1kHz)  
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

Preout Level / Load ..... 4000mV / 10k $\Omega$  (CD / CD-CH)  
Preout Impedance .....  $\leq$ 600 $\Omega$   
Speaker Impedance ..... 4 $\Omega$ ~8 $\Omega$

### AMPLIFIER

Maximum Power ..... 50W x 4  
Full Bandwidth Power (at less than 1% THD) ..... 22W x 4

### STONE

Bass ..... 100Hz $\pm$ 8dB  
Middle ..... 1kHz $\pm$ 8dB  
Treble ..... 10kHz $\pm$ 8dB

### GENERAL

Operating Voltage (11V~16V allowable) ..... 14.4V  
Current Consumption ..... 10A  
Installation Size  
Width ..... 182mm (7-3/16inch)  
Height ..... 53mm (2-1/16inch)  
Depth ..... 155mm (6-1/8inch)  
Weight ..... 1.20kg (2.64lbs)

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

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