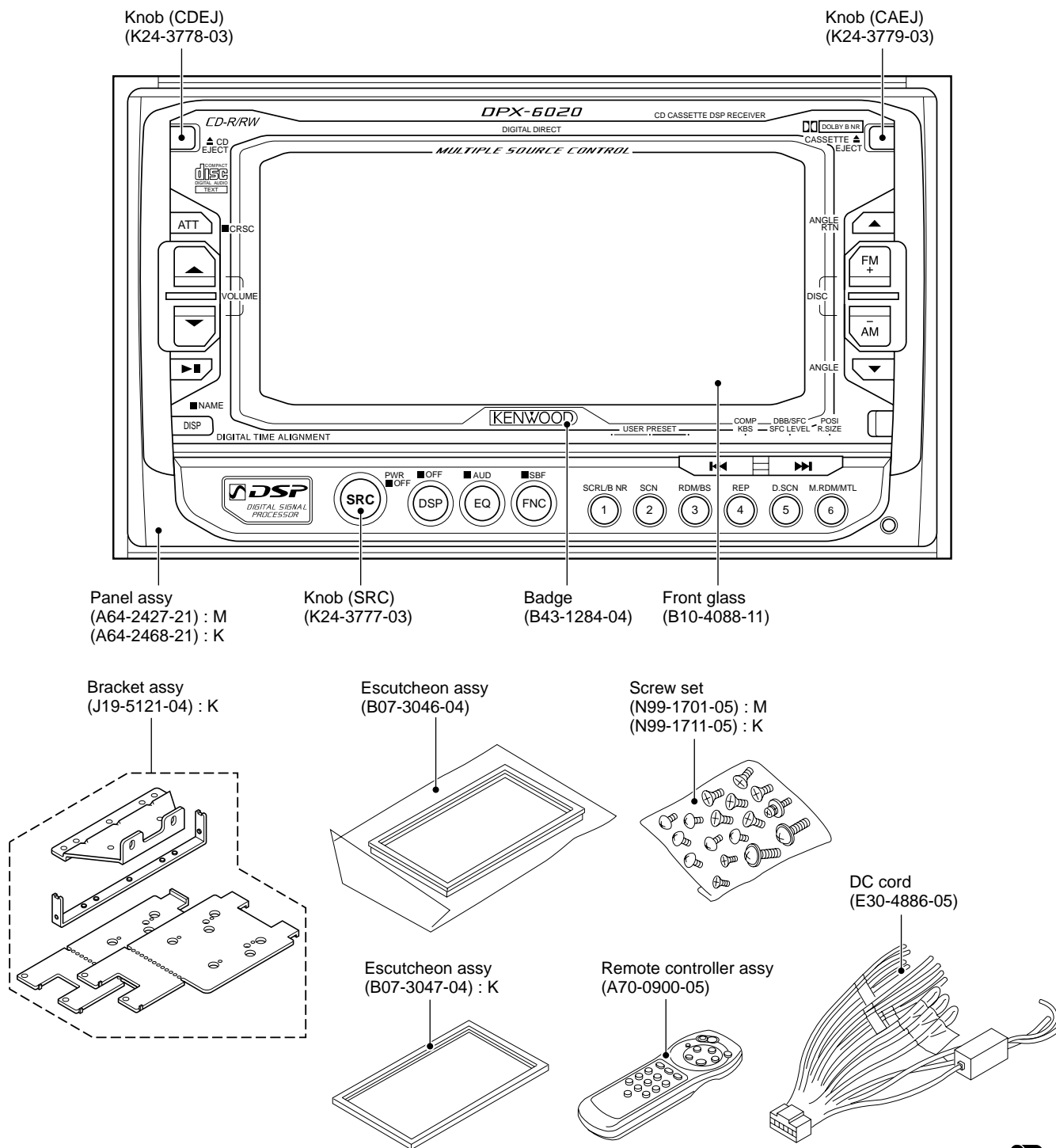
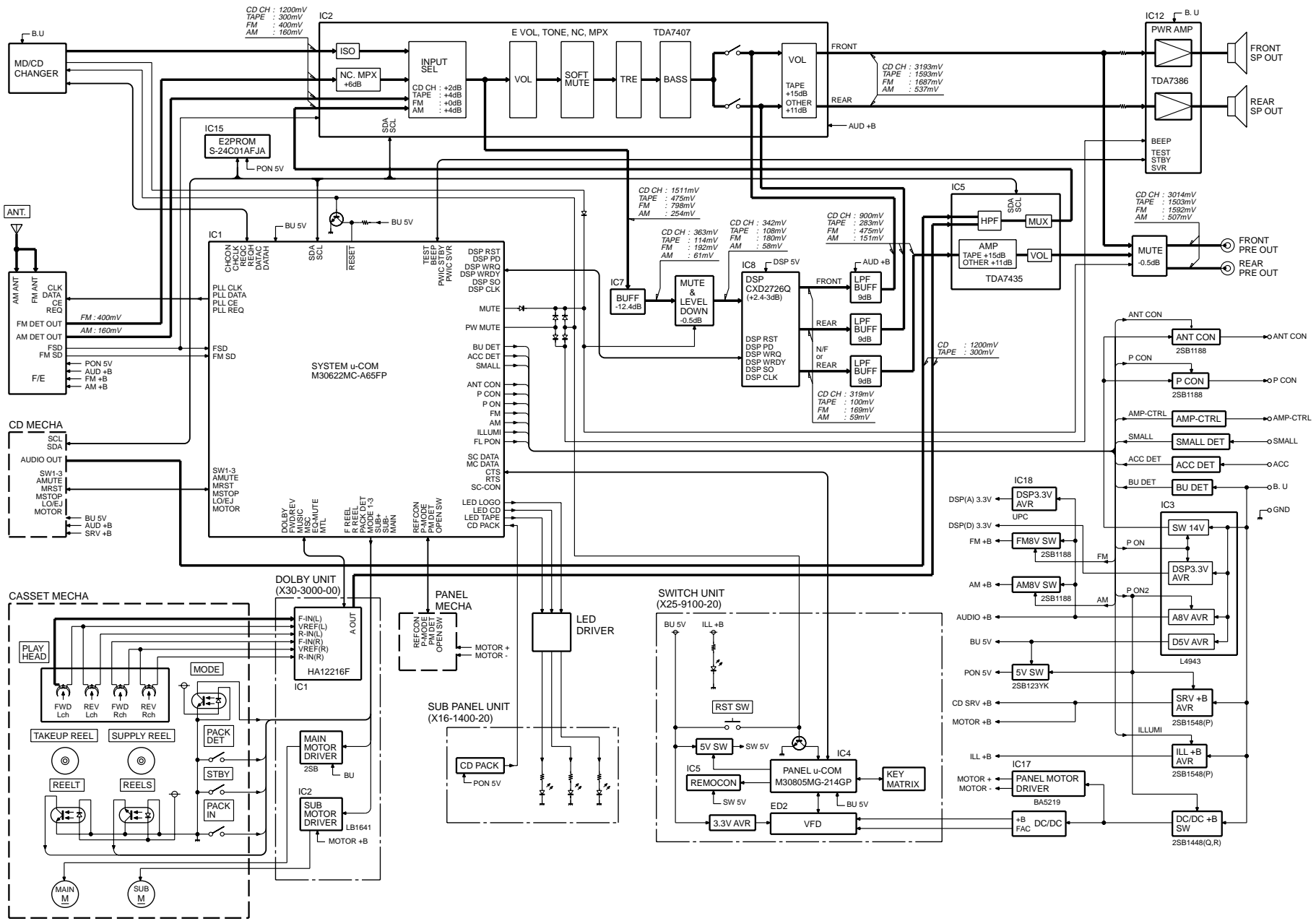


Refer to the service manual D40-1132-05 (B51-7505-00)
for CASSETTE MECHANISM ASSY's information.





DPX-6020

BLOCK DIAGRAM

COMPONENTS DESCRIPTION

Synthesizer Unit (X14-6770-XX)

Ref.	Parts No.	Name	Function
IC1	M30622MC-A65FP	System μ -COM	
IC2	TDA7407	E-VOL, HPF, LPF, INV	VOL, LOUD, TONE, BAL, FAD, FM NC, MPX
IC3	L4943	Power Source IC	Digital : 5V, Audio : 8V, Tuner : 8V AVR, P-CON
IC5	TDA7435	System E'S	
IC7	NJM4565MD	Buffer IC	
IC8	CXD2726Q-1	DSP IC	
IC9	NJM4565MD	LPF Filter	
IC10	NJM4565MD	LPF Filter	
IC11	NJM4565MD	LPF Filter	
IC12	TDA7386	Power Amp	
IC13	NJM4580MD	Buffer IC	
IC14	PST9142NR	E2PROM	
IC15	S-24C01AFJA	RESET IC	
IC16	TC7W32FU	For MUTE	
IC17	BA5219BFP-Y	Panel mechanism drive IC	
IC18	UPC29L33T	3.3V Regulator	
Q1	DTC144EUA	Surge detection	Surge detection voltage (18.2~18.9V) turns this component on.
Q2	2SC4081	BU voltage detection	B.U detection voltage (8.8~9.1V) turns this component on.
Q3	2SC2412K	ACC voltage detection	ACC detection voltage (8.2~8.5V) turns this component on.
Q5	DTC144EUA	ILLUMI detection	When small is turned on, this component is turned on.
Q6	DTA123JK	AMP CTRL SW	
Q9	2SB1188(R)	ANT CON SW	When turned on, ANT CON is output.
Q10	2SC4081(S)	ANT CON SW	When turned on, Q9 is turned on.
Q11	2SC4081	P-CON Short DET	
Q12	DTB123YK	P-ON 5V SW	When turned on, P-ON 5V is turned on.
Q13	DTC124EUA	P-ON 5V SW	When turned on, Q12 is turned on.
Q14	DTC114EUA	SERVO 7.5V SW	When turned on, Q15 is turned on.
Q15	DTA114EUA	SERVO 7.5V SW	When turned on, Q17 is turned on.
Q16	2SB1548(P)	SERVO 7.5V AVR	When turned on, 7.5V is output.
Q17	2SC4081	SERVO 7.5V AVR	When turned on, Q16 is turned on.
Q22	DTC124EUA	ILL+B SW	When turned on, Q23 is turned on.
Q23	DTA124EUA	ILL+B SW	When turned on, Q25 is turned on.
Q24	2SB1548(P)	ILL+B AVR	When turned on, ILLMI 10.5V AVR ON
Q25	2SC4081	ILL+B AVR	When turned on, Q24 is turned on.
Q26	DTC114EUA	SW14V SW	When turned on, Q27 is turned on.
Q27	DTA114EUA	SW14V SW	When turned on, Q29 is turned on.
Q28	2SB1416(Q,R)	SW14V AVR	When turned on, SW14V AVR ON
Q29	2SC4081(S)	SW14V AVR	When turned on, Q28 is turned on.
Q32	DTC124EK	AM+B SW	When turned on, Q33 is turned on.
Q33	CPH3105	AM+B SW	When turned on, AM +B is output.
Q34	DTC124EUA	FM+B SW	When turned on, Q35 is turned on.
Q35	CPH3105	FM+B SW	When turned on, FM +B is output.

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COMPONENTS DESCRIPTION / MICROCOMPUTER'S TERMINAL DESCRIPTION

Ref.	Parts No.	Name	Function
Q36	DTC144EUA	Panel detection	Panel voltage detection
Q37	DTA144EUA	CH1→2 switching	When turned on, A8V is output.
Q38	DTC144EUA	CH1→2 switching	When turned on, Q37 is turned on.
Q41	2SD2114K	MUTE SW	When turned on, output of IC7 is muted.
Q42	2SD2114K	MUTE SW	When turned on, output of IC7 is muted.
Q44	DTC143TUA	PREOUT MUTE	When turned on, PREOUT MUTE (Rear Rch)
Q45	DTC143TUA	PREOUT MUTE	When turned on, PREOUT MUTE (Rear Lch)
Q46	DTC143TUA	PREOUT MUTE	When turned on,PREOUT MUTE (Front Rch)
Q47	DTC143TUA	PREOUT MUTE	When turned on,PREOUT MUTE (Front Lch)
Q48	DTC124EUA	PW IC MUTE	When turned on, PW IC MUTE
Q49	DTC144EK	PW IC protection	
Q50	DTC114YUA	SVR Discharge SW	From STBY OFF, on within 5 seconds.
Q51	DTA124EUA	RESET detection SW	When turned on, Q52 is turned on.
Q52	DTC114YK	RESET detection SW	When turned on, RESET
Q53	FMC2A	Switch for LOGO LED	When turned on, LOGO LED lights up.
Q54	FMC2A	Switch for CD LED	When turned on, CD LED lights up.
Q55	FMC2A	Switch for TAPE LED	When turned on, TAPE LED lights up.
Q59	DTA114EUA	MUTE detection	When turned on, MUTE
Q60	DTC124EUA	MUTE detection	At MUTE detection, Q59 is turned on

(X14-)IC1: System μ -com

Pin	Pin Name	I/O	Description	Processing Operation
1	DSP RVDT	O	DSP data output	
2	DSP_CLK	O	DSP clock output	
3	CHCON1	O	External CH1 selection	H: CH1, L: Others
4	CHCON2	O	External CH2 selection	H: CH2, L: Others
5	DATAH	O	External CH data output	
6	DATAC	I	External CH data input	
7	CHCLK	I/O	External CH clock input/output	
8	BYTE	I	External data bus width switching	
9	CNVss	I	Processor mode switching	
10	DSP_REDY	I	DSP write request	
11	DSP_RST	O	DSP Reset	
12	Reset	I	Reset input	L: Reset
13	Xout	O	Main system clock output	
14	Vss	I	Power input	
15	Xin	I	Main system clock input	
16	Vcc	I	Power input	
17	NC	I	Not in use	
18	SP INT	I	Spectrum analyzer reception permission	
19	BU DET	I	B.U detection	H: Power down

MICROCOMPUTER'S TERMINAL DESCRIPTION

(X14-)IC1: System μ -com

Pin	Pin Name	I/O	Description	Processing Operation
20	REQC	I	External CH reception request	
21	REQH	O	External CH transmission request	H: On
22	PANT	O	Power antennal control	H: On
23	PCON	O	External amp power control	H: On
24	PON	O	Power control	H: On
25	LAMP	O	Lamp control	H: On
26	AMP_CTRL	O	External amp control	H: On
27	ACC DET	I	ACC detection	H: ACC off
28	BUZZ	O	Beep ouput	
29	SCL	O	IC2 clock ouput	
30	SDA	I/O	IC2 data input/output	
31	PN MC DATA *	O	Panel μ -com communication data output	
32	PN SC DATA	I	Panel μ -com communication data input	
33	PN RTS	O	Panel μ -com communication control	
34	PN CTS	I	Panel μ -com communication control	
35	PMOT1	O	Panel motor control	
36	PMOT2	O	Panel motor control	
37	REFCON	O	A/D reference voltage output	
38	PMDET	I	Panel mechanism detection	
39	OPEN SW	I	Panel full-open detection	L: Panel full-open
40	PM VR	O	Panel mechanism voltage congrol	H: 5.1V, L: 7.2V
41	PN SCON	O	Panel μ -com communication control line	H: Panel Microcomputer stop
42	MUTE	O	MUTE	H: MUTE on
43	LED CD	O	LED CD display	H: On
44	LED TAPE	O	LED TAPE display	H: On
45	LED LOGO	O	LED LOGO display	H: On
46	SP_REQ	O	SPANNA data output request to panel microcomputer	
47	CD_SW3	I	CD mechanism SW3 detection	
48	CD MOTOR	O	CD loading motor control	H: On
49	CD_LO/EJ	I/O	Loading/Eject control	L: Loading direction H: Eject direction
50	CD_MSTOP	O	CD mecha controller stop	L: Stop
51	CD_MRST	O	CD mecha controller reset	L: Reset
52	CD_AMUTE	I	CD mute request	H: Mute request
53	CD_SW1	I	CD mecha SW1 detection	
54	CD_SW2	I	CD mecha SW2 detection	
55	TA DOLBY	O	Dolby selection SW	H: DOLBY on
56	TA MTL	O	Metal selection SW	H: Metal, L: Normal
57	TA_F/R	O	Play direction selection SW	H: RWD, L: FWD
58	TA MUSIC	I	Between-music detection input SW	L: Music
59	TP MSC	O	Casettee between-music selection SW	L: FF&REV
60	TA EQ MUTE	O	EQ music selection SW	H: MUTE on

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MICROCOMPUTER'S TERMINAL DESCRIPTION

(X14-)IC1: System μ -com

Pin	Pin Name	I/O	Description	Processing Operation
61	SEL1	I	IC2III noise cancellation selection	
62	Vec	-	Power input	
63	NC	O	Not in use	L: Fixed
64	Vss	-	Power input	
65	SEL2	I	IC2III noise cancellation selection	
66	SEL3	I	Location switching	H: M, L: J
67	NC	O	Not in use.	L: Fixed.
68	PACK_DET	I	PACK detection SW	L: PACK
69	TA_MODE1	I	Cassette MODE1 detection SW	
70	TA_MODE2	I	Cassette MODE2 detection SW	
71	TA_MODE3	I	Cassette MODE3 detection SW	
72	TA_SMOTOR1	O	Cassette sub motor control 1	
73	TA_SMOTOR2	O	Cassette sub motor control 2	
74	TA_MOTOR	O	Cassette main motor control	H: On
75	NC	O	Not in use.	L: Fixed.
76	PLL_CLK	O	PLL clock output	
77	PLL_DATA	I/O	PLL data input/output	
78	PLL_CE	O	PLL selection	
79	FMSD	I	FM station detection	H: Station
80	PLL_REQ	O	PLL seek selection	L: In seek
81	FM+B	O	FM Power	H: FM
82	AM+B	O	AM Power	L: AM
83	PMUTE	O	Power IC MUTE control	H: MUTE on
84	ILLUMI	I	Illumination detecton	L: Dimmer on
85	LINE_MUTE	I	External MUTE request	L: Line MUTE on
86	PCON_IN	I	External amp peak current control	H: Protection on
87	NC	O	Not in use.	L: Fixed.
88	PWIC_SVR	O	Power IC control	H: On
89	TEST	O	Power IC control	L: In test mode
90	PWIC_STBY	O	Power IC standby	H: On
91	F_REEL	I	Reel pulse (FWD) detection SW	Vth: 2.5V
92	R_REEL	I	Reel pulse (RWD) detection SW	Vth: 2.5V
93	TAPE_DET	I	Tape detection	H: Tape (A/D input)
94	CD_DET	I	CD detection sensor input	H: CD (AD input)
95	PMODE	I	Panel position sensor input	(AD input)
96	Avss	I	Analog power input	
97	FSD OUT	I	S-meter input	H: Station (AD input)
98	Vref	-	A-D reference voltage input	
99	Avcc	I	Analog power input	
100	DSP_XLAT	O	DSP write request	

MICROCOMPUTER'S TERMINAL DESCRIPTION

(X25-)IC4:Panel μ -com

Pin	Pin Name	I/O	Description	Processing Operation
1	GSO1	O	FL dot section data output terminal 1	
2	GCLK	O	FL dot section clock output terminal	
3	NC	O	Not used.	L : Fixed.
4	REMO	I	Remote control signal input	
5	GSO2	O	FL dot section data output terminal 2	
6	NC	O	Not used.	
7	GCLK	I	FL dot section clock input terminal	
8~14	NC	O	Not used.	L : Fixed.
15	BYTE	-		
16	CNVss	-		
17,18	NC	O	Not used.	L : Fixed.
19	RESET	-	Reset terminal	L : Reset
20	Xout	-		
21	Vss	-	GND terminal	
22	Xin	-		
23	Vcc	-	Power source terminal	
24	NMI	I		
25	NC	O	Not used.	L : Fixed.
26	SP_REQ	O	Space analyzer enable output	
27	PN_SCCON	I	System control communication panel action control	L : Action OK
28	SP_INT	O	Spectrum analyzer data control request output	
29	GCP	O	FL dot section gradation generation	
30	GLAT	O	FL dot section data latch output	
31	GBK	O	FL dot section data blanking output	H : Turned on, L : Turned off
32~34	NC	O	Not used.	L : Fixed.
35	SP_CLK	O	Spectrum analyzer data output clock	
36	SP_DATA_IN	I	Spectrum analyzer data output	
37	NC	O	Not used.	
38	PN_SC_DATA	O	System control communication data input terminal	
39	Vcc	I	Power source terminal	
40	PN_MC_DATA	I	System control communication data input terminal	
41	Vss	I	GND terminal	
42	PN_RTS	O	Panel communication request output	
43	PN_CTS	I	Panel communication request input	
44	GSO3	O	FL dot section data output terminal3	
45	NC	O	Not used.	L : Fixed.
46	GCLK	I	FL dot section clock input terminal	
47~51	NC	O	Not used.	L : Fixed..
52	NC	I	Not used.	
53~55	-	-		
56	SEL	I	Destination switching	H : C-0050W, L : C-0066W
57	Vss	-	GND terminal	

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MICROCOMPUTER'S TERMINAL DESCRIPTION

(X25-)IC4:Panel μ -com

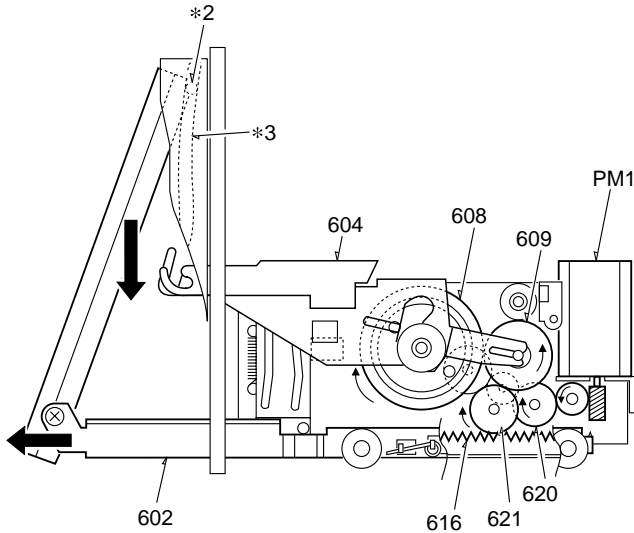
Pin	Pin Name	I/O	Description	Processing Operation
58	NC	O	Not used.	L : Fixed.
59	Vcc	-	Power source terminal	
60-62	NC	O	Not used.	L : Fixed.
63	RD	O	External memory read request	L : Read
64	NC	-		L : Fixed.
65-68	NC	O	Not used.	L : Fixed.
69	CS0	O	External ROM CE terminal	L : External ROM selection
70,71	NC	O	Not used.	H : Fixed
72	A20	O	External bus ADDR 20	
73	A19	O	External bus ADDR 19	
74	Vcc	-	Power source terminal	
75	A18	O	External bus ADDR 18	
76	Vss	-	GND terminal	
77-85	A17~A9	O	External bus ADDR 17~9	
86-90	NC	O	Not used.	L : Fixed.
91	Vcc	-	Power source terminal	
92	A8	O	External bus ADDR 8	
93	Vss	-	GND terminal	
94-100	A7~A1	O	External bus ADDR 7~1	
101	NC	O	Not used.	L : Fixed.
102-113	D15~D4	I/O	External bus DATA 15~4	
114-118	NC	O	Not used.	L : Fixed.
119-122	D3~D0	I/O	External bus DATA 3~0	
123	NC	O	Not used.	L : Fixed.
124-128	KS0~KS4	O	Key scan output 0~4	
129	KR5	I	Key return signal input 5	
130	Vss	-	GND terminal	
131	NC	O	Not used.	L : Fixed.
132	Vcc	-	Power source terminal	
133	NC	O	Not used.	L : Fixed.
134	KR0	I	Key return signal input 0	
135	PON	O	Power source control terminal	H : POWER ON
136	NC	O	Not used.	L : Fixed
137-139	KR1~KR3	I	Key return signal input 1~3	
140	Avss	-	GND terminal	
141	KR4	I	Key return signal input 4	
142	Vref	-		
143	Avcc	-	Power source terminal	
144	NC	I	Not used.	

PANEL MECHANISM DESCRIPTION

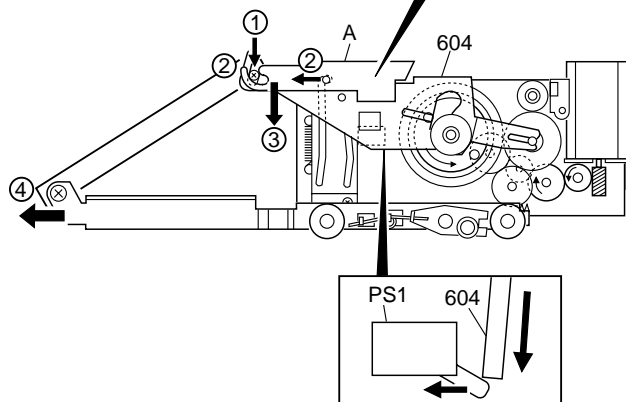
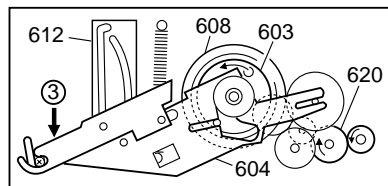
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A. Panel Opening

1. When Open button (switch) is pressed, the motor (PM1) rotates.
2. The rotation of the motor is transmitted forward through the rack gear (616) via the gears (620~622)
3. When the rack gear (616) moves, the panel (PA1) goes down.

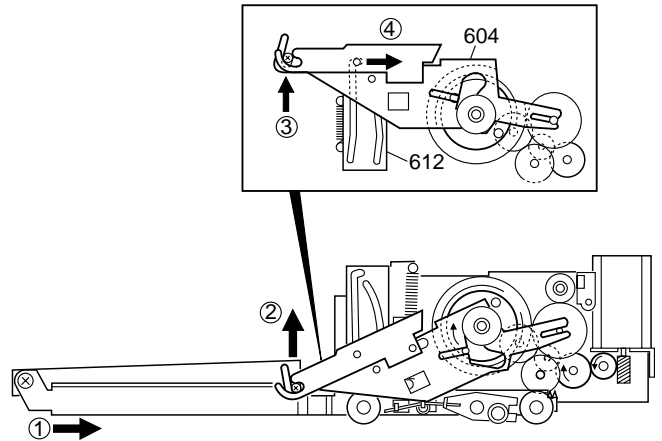


4. (1) The upper side of the panel pushed on the arm assembly (604) by the pin (12) and the groove of the rail (13).
 - (2) The lock on the lever (A) is let go and the arm assembly (604) goes down.
 - (3) When this happens, the planetary gear (603) rotates.
5. When the arm assembly goes down to the open position, the switch (PS1) is turned on. When the switch (PS1) is turned on, the motor stops after 950ms.

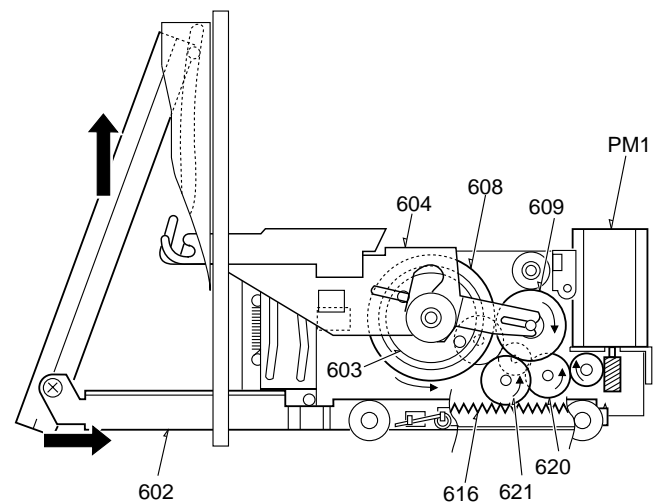


B. Closing Behavior

1. The motor rotates in reverse direction.
2. The arm assembly (604) goes up. When the lever (A) goes into the lock position of the rail (612), the arm assembly (604) stops going up.



3. When the arm assembly (604) stops, by the rotation of the planetary gear (603), the motor rotation pushes the rack gear (616) backward via the gears (620~622).
4. By the close position information of the LPS (VR1), the motor (PM1) stops after 200ms.



C. Angle Behavior

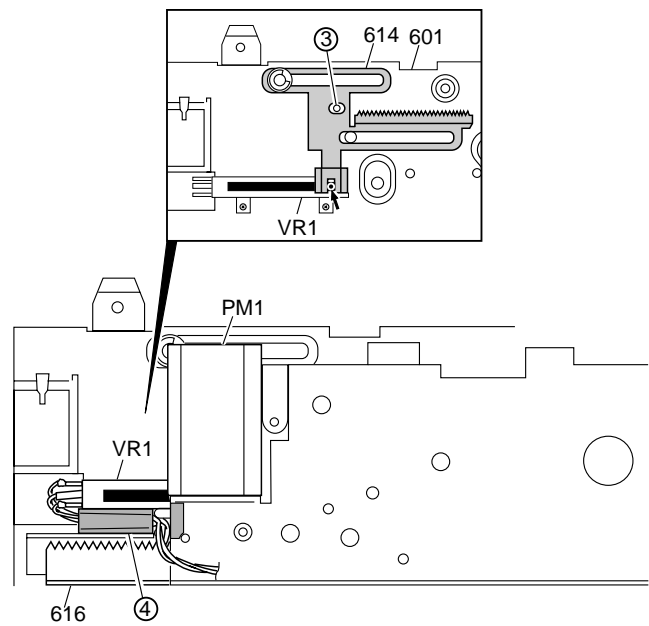
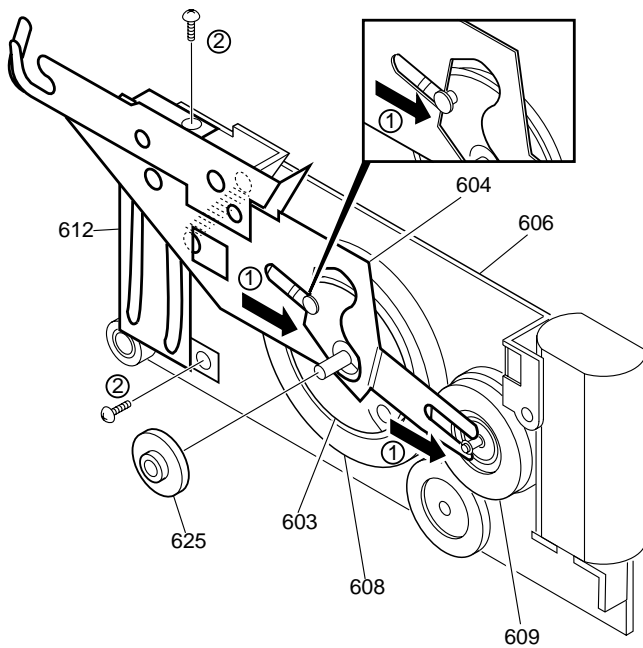
1. By the position information of the LPS (VR1), the panel angle is controlled.

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PANEL MECHANISM DESCRIPTION

D. Assembly (Close Position)

1. Align the arm assembly with the pin of the planetary gear (603).
2. Assembly these to the sub-chassis (606) along with the rail (612).
3. Align lever (614) hole and the hold of the chassis (601).
4. Lead wires of LPS should be kept in place with a tape so that they would not interfere with rack gear (616).



TEST MODE / ADJUSTMENT

■ How to enter the text mode

While pressing on [1] and [3] keys, press the RESET key.

■ Starting on the test mode

Major initial positions

- When booted with everything off, the test mode starts up.
- The value of the volume is -40dB (indication is 15).
- FL lamps all light up.
- The diversity is off.
- Position: All.
- EQ: Flat
- COMPRESSOR: OFF
- SPE/ANA: PEAK HOLD

■ All display lamps lighting up

Since there are many segments on the display section, bridging with other segments can be confirmed. By track up/down keys, grids and segments can be lighted up individually.

■ Opening/Closing Time of the Panel Mechanism

When each time the Angle/Retune button is pressed, time is displayed after going into the tuner mode. From the maximum angle to return, it takes about 1.2S.

■ CD Mechanism Panel Disk Detection

Sensor behavior for detecting whether there is CD disk or not can be checked. When the sensor is closed off after a disk is inserted, it beeps four times.

■ FM S-Meter Adjustment (Stop Adjustment and others)

Method:

SG Output: Set to 35dB μ 98.1MHz. (with no modulation)
During the above text mode, when Preset [1] and Preset [6] are pressed at the same time, the adjustment begins. When adjustments is completed normally, OK is displayed and there will be one beep of 2kHz. In this case the stop adjustment values will be between 15~25dB μ .

When the S-meter value is outside of the standard system control values, NG is displayed and the initial value of the system control is written in the E2PROM.

■ AM Stop Adjustment

Method:

SG Output: Set to 35dB μ 999kHz. (with no modulation)
During the above text mode, when Preset [1] and Preset [6] are pressed at the same time, the adjustment begins. When adjustments is completed normally, OK is displayed and there will be one beep of 2kHz. In this case the stop adjustment values will be between 30~43dB μ .

When the S-meter value is outside of the standard system control values, NG is displayed and the initial value of the system control is written in the E2PROM.

■ Panel Mechanism Adjustment

The mechanism detects the open/close position of the panel and writes it to the E2PROM.

[How to enter the test mode]

After entering the above-mentioned test mode, switch over to the tuner mode. Then, press on the TI knob for some time and the unit will go into panel mechanism test mode, which is indicated by STAND-BY display.

Method:

Each time Open/Close key (*key) of the remote controller is pressed, full-open and full-close positions are registered. (There will be OPEN ENTRY/ CLOSE ENTRY display and three beeps are sound.)

Releasing:

When TI key is pressed, the unit goes back to the previous test mode. Pressing the reset key will take the unit to the initial condition.

■ DOLBY Adjustment

Using the extension cord (W05-0755-00), separate the mechanism from the unit. Play the TCC-130 and adjust the test round value to 300mV with the VR1, 2 on the X30 Board. (Refer to the PC BOARD.) Balance with FWD and REV.

■ Releasing the Security Code

The unit will go into release mode when Preset [6] is pressed while Preset [1] is being pressed. The character "C" is displayed at the right end of the character display. At this point, input KCAR by using 1, 2, 3, and 4 key of the remote controller. Confirm with PLAY/PAUSE key and the security code will be released.

■ Specifications for the Amplifier Control Terminal

The bass boost function of the amplifier can be remote control from the unit. This is a one-way communication, using one control line. The control is made with pulse widths of the three kinds of communication data. Five cycle pulses are generated from the unit side and when there are three consecutive successes, communication is established. The pulse widths are as shown below and the cycle is 200ms.

- HI: 100ms
- LOW: 70ms
- OFF: 40ms

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ADJUSTMENT

■ Tuner Adjustment

Item	Input Side (SG)	Tuner Setting	Adjustment Method Setting
FM			
S-Meter Adjustment	98.1MHz 0dev 35dB μ (ANT Input)	FM 98.1MHz	Enter the test mode and select a FM source. When Preset #6 is pressed while pressing Preset #1 in the test mode, adjustment is started. When adjusted properly, OK is displayed and 2kHz beep is sounded once. The stop adjustment value at the time will be within 15~25dB μ . If the S-meter value is outside of the system computer standard values, NG is displayed and the default values of the system computer is writing to the E2PROM.
AM			
Seek Stop Level Adjustment	999kHz 0%Mod 35dB μ (ANT input)	AM 999kHz	Enter the test mode and select AM source. When Preset #6 is pressed while pressing Preset #1 in the test mode, adjustment is started. When adjusted properly, OK is displayed and 2kHz beep is sounded once. The stop adjustment value at the time will be within 30~43dB μ . If the S-meter value is outside of the system computer standard values, NG is displayed and the default values of the system computer is writing to the E2PROM.

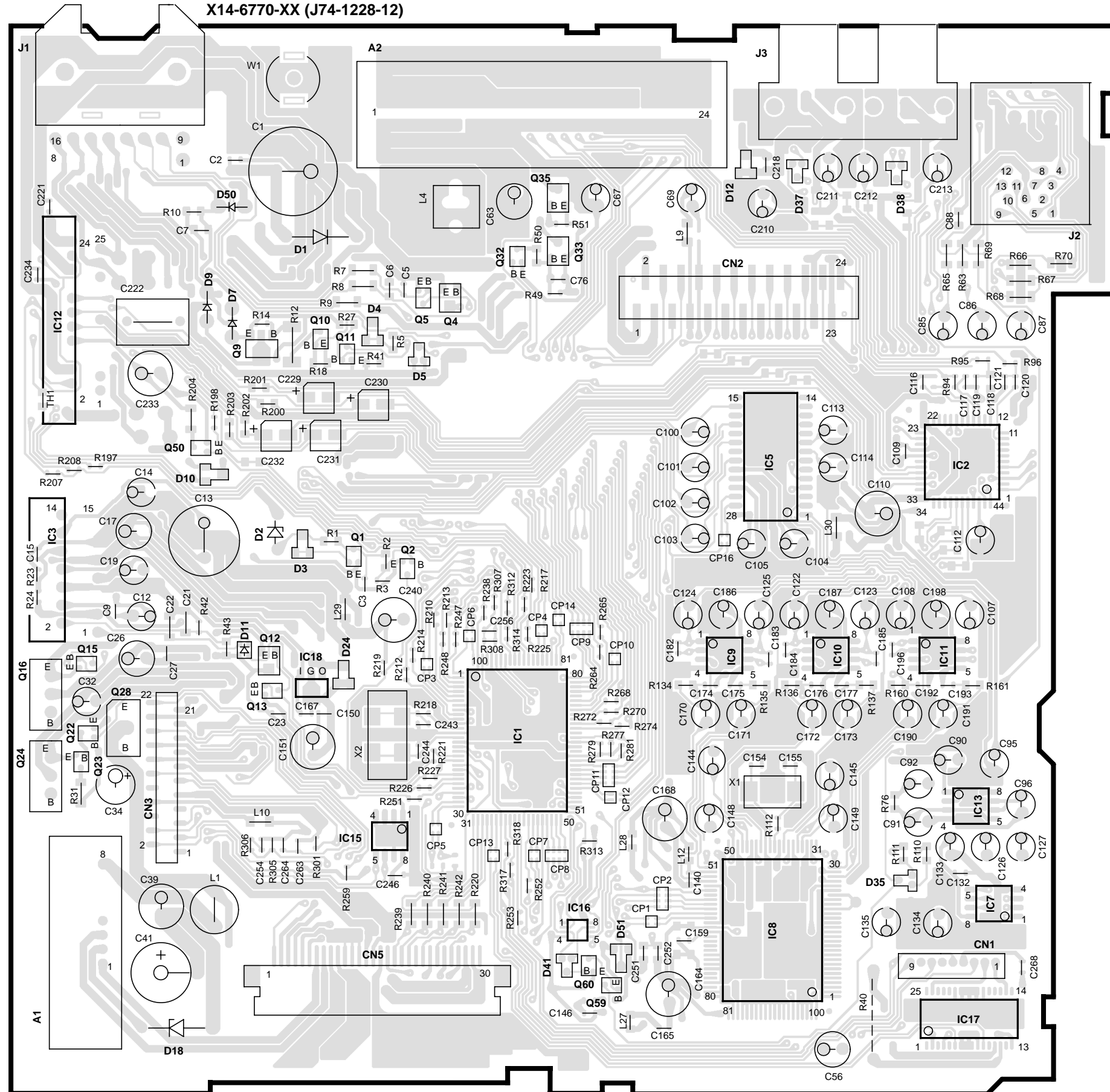
Note : For frequency of the input side SG, choose a frequency with no broadcast station.

How to enter the test mode

Press [RESET] while pressing the Preset #1 and Preset #3.

PC BOARD (COMPONENT SIDE VIEW)

SYNTHESIZER UNIT X14-6770-XX (J74-1228-12)



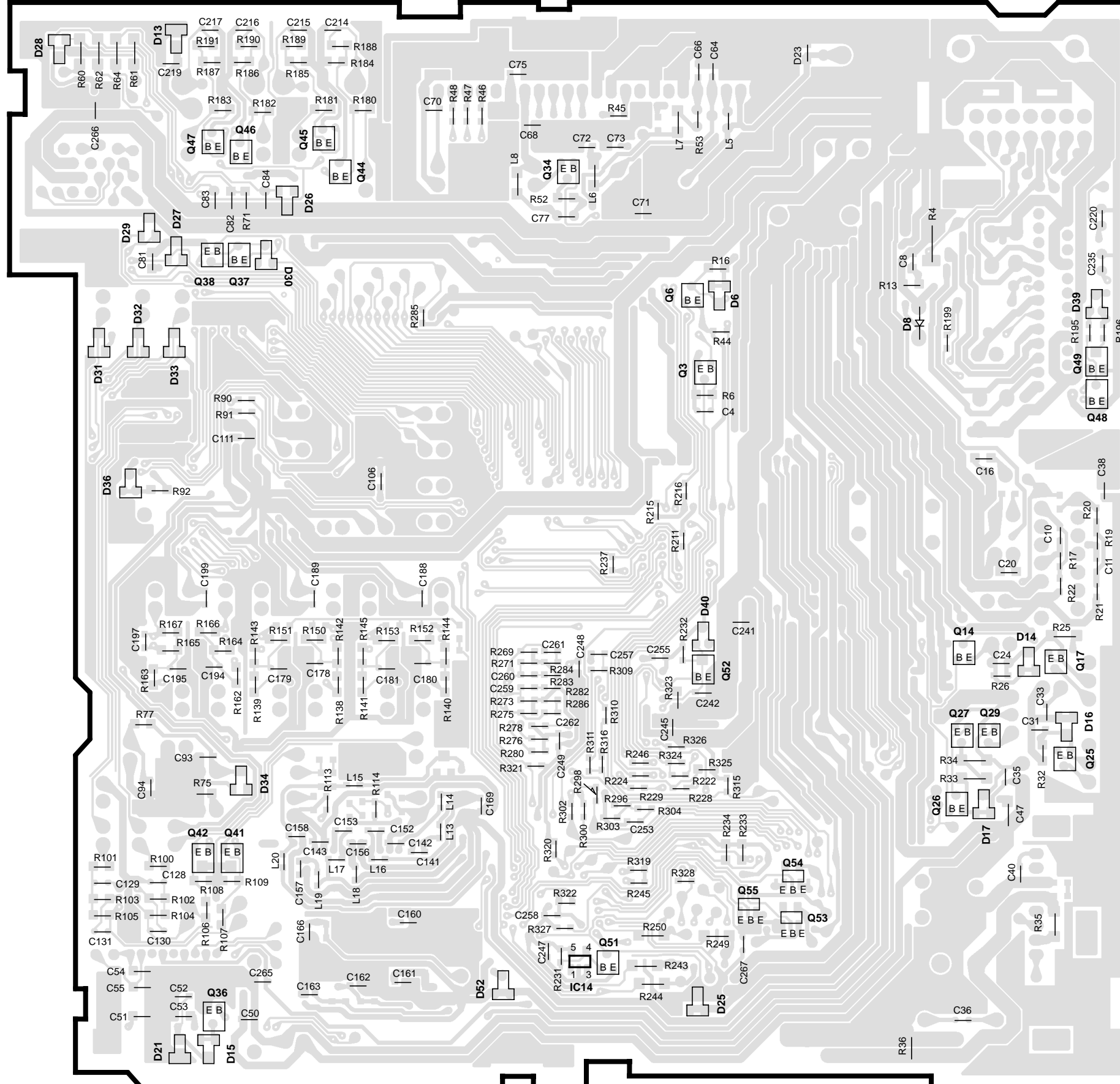
X14-6770-XX

IC	Q	Address	IC	Q	Address
1		5E	9		3C
2		4G	10		3C
3		4B	11		3D
5		4F	12		5C
7		6G	13		5C
8		6F	15		5B
9		5F	16		5B
10		5F	22		5B
11		5G	23		5B
12		3B	24		5B
13		6G	28		5B
15		6D	32		3D
16		6E	33		3E
17		7G	35		2E
18		5C	50		4C
	1	4D	59		7E
	2	4D	60		7E
	5	3D			

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

PC BOARD (FOIL SIDE VIEW)

SYNTHESIZER UNIT X14-6770-XX (J74-1228-12)



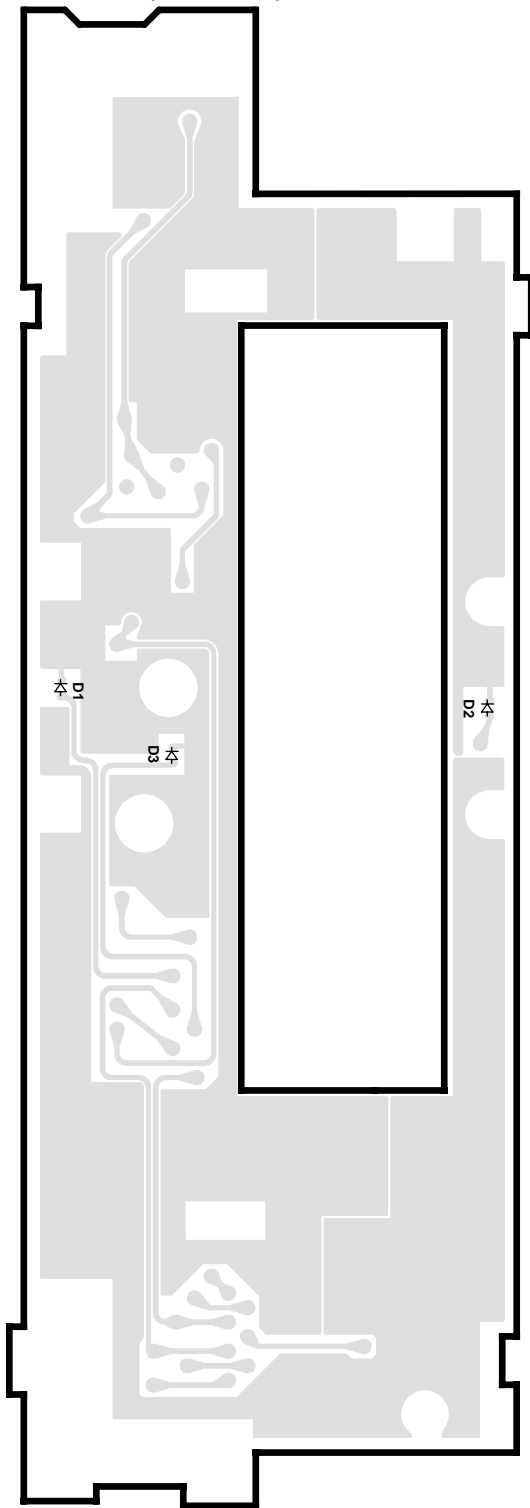
X14-6770-XX

IC	Q	Address	IC	Q	Address
14		70	41		6M
	3	30	42		6M
	6	30	44		2N
	14	5Q	45		2M
	17	5Q	46		2M
	25	5Q	47		2M
	26	6Q	48		4R
	27	5Q	49		3R
	29	5Q	51		70
	34	20	52		50
	36	7M	53		6P
	37	3M	54		6P
	38	3M	55		6P

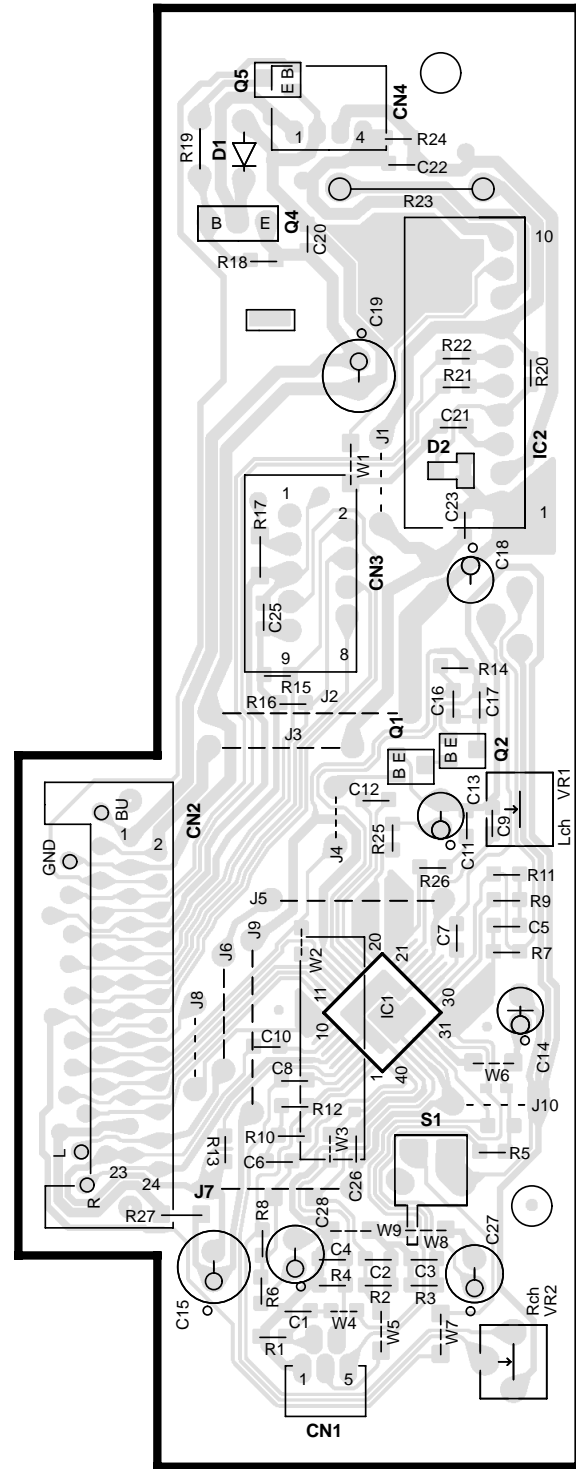
Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (COMPONENT SIDE VIEW)

SUB CIRCUIT UNIT
X16-1400-20 (J74-1265-02)



DOLBY NOISE REDUCTION UNIT
X30-3000-00 (J74-0940-22)

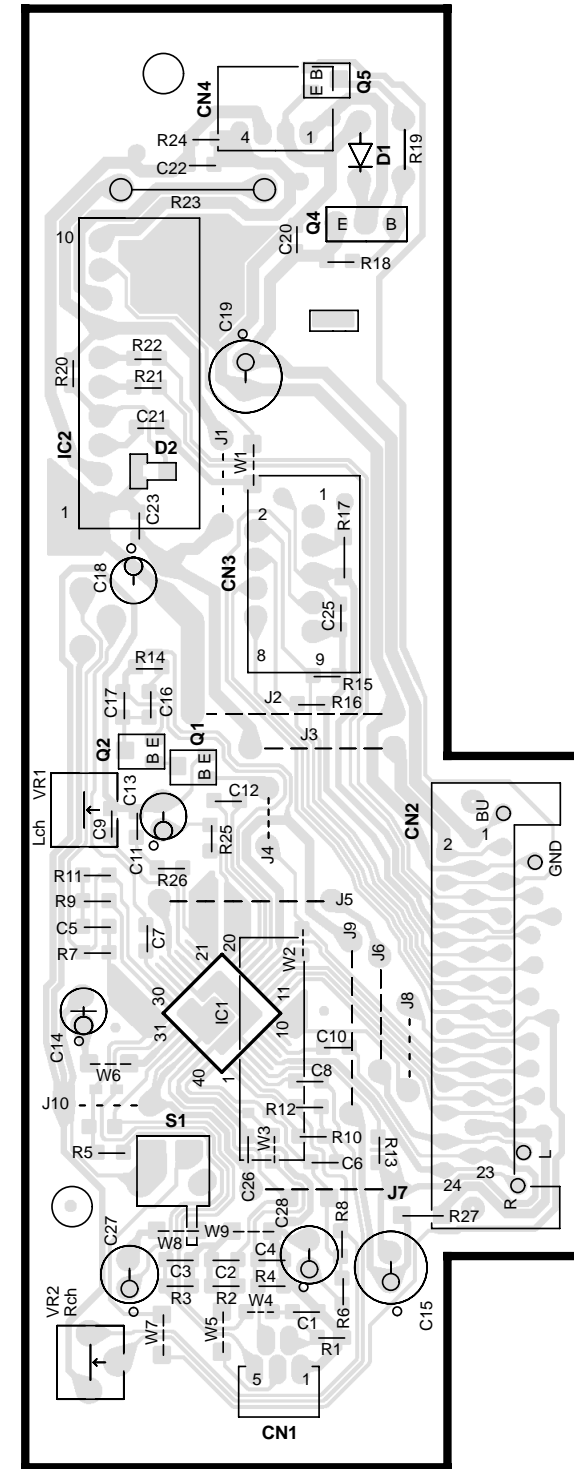


X30-3000-00

IC	Q	Address	IC	Q	Address
1		5X	2		4Y
2		3Y	4		2X
	1	4Y	5		2X

(FOIL SIDE VIEW)

DOLBY NOISE REDUCTION UNIT
X30-3000-00 (J74-0940-22)

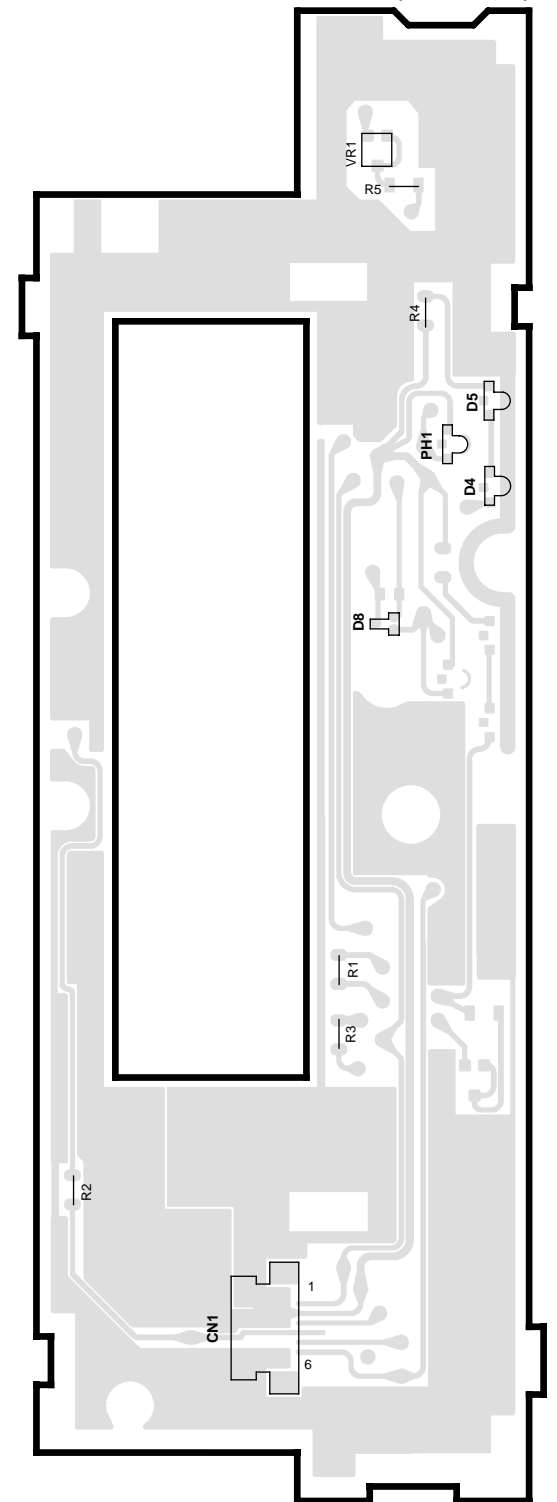


X30-3000-00

IC	Q	Address	IC	Q	Address
1		5AA	2		4Z
2		3Z	4		2AA
	1	4AA	5		2AA

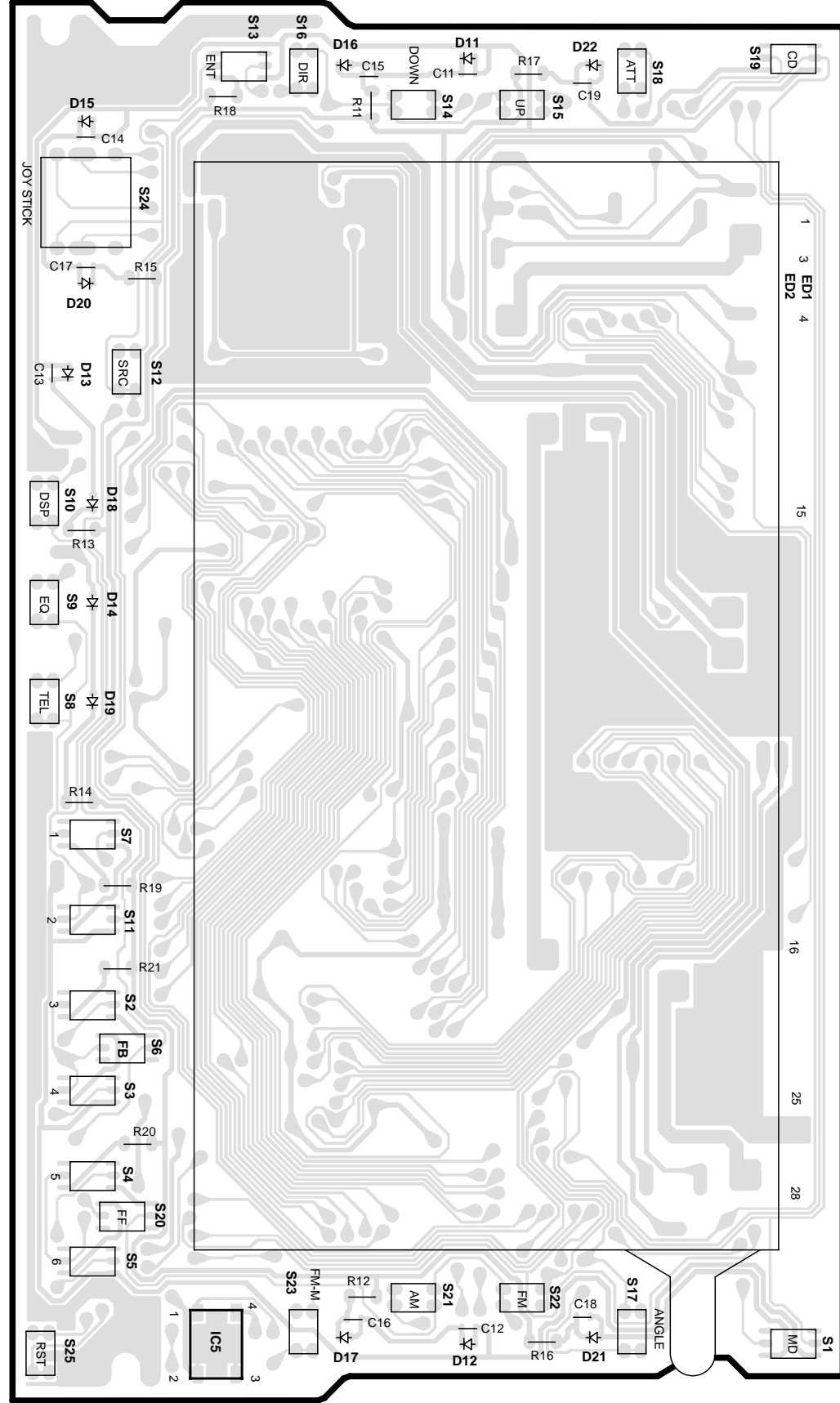
Refer to the schematic diagram for the values of resistors and capacitors.

SUB CIRCUIT UNIT
X16-1400-20 (J74-1265-02)



PC BOARD (COMPONENT SIDE VIEW)

SWITCH UNIT
X25-9100-20 (J74-1271-12)



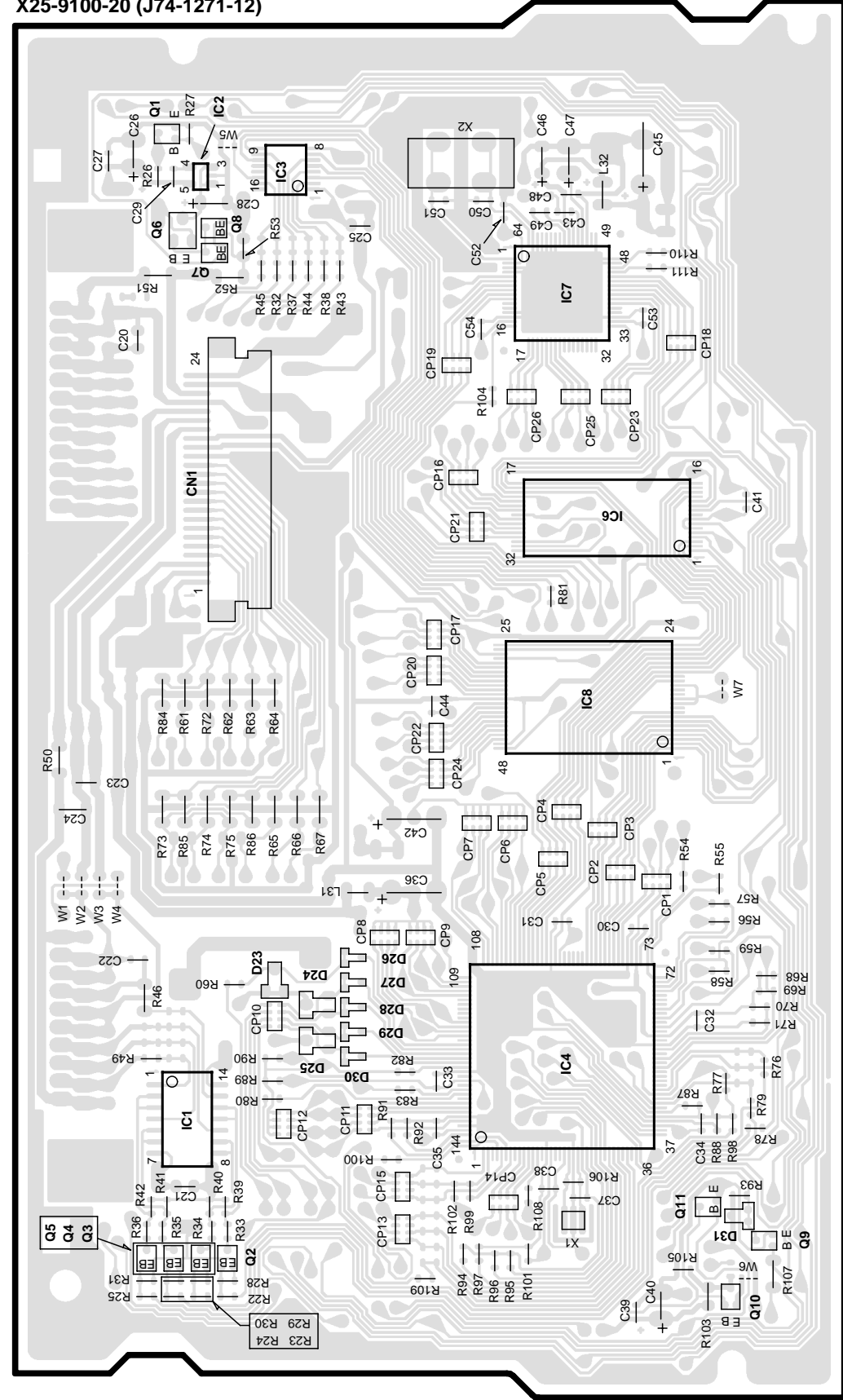
X25-9100-20

IC	Q	Address
5		7AF

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

(FOIL SIDE VIEW)

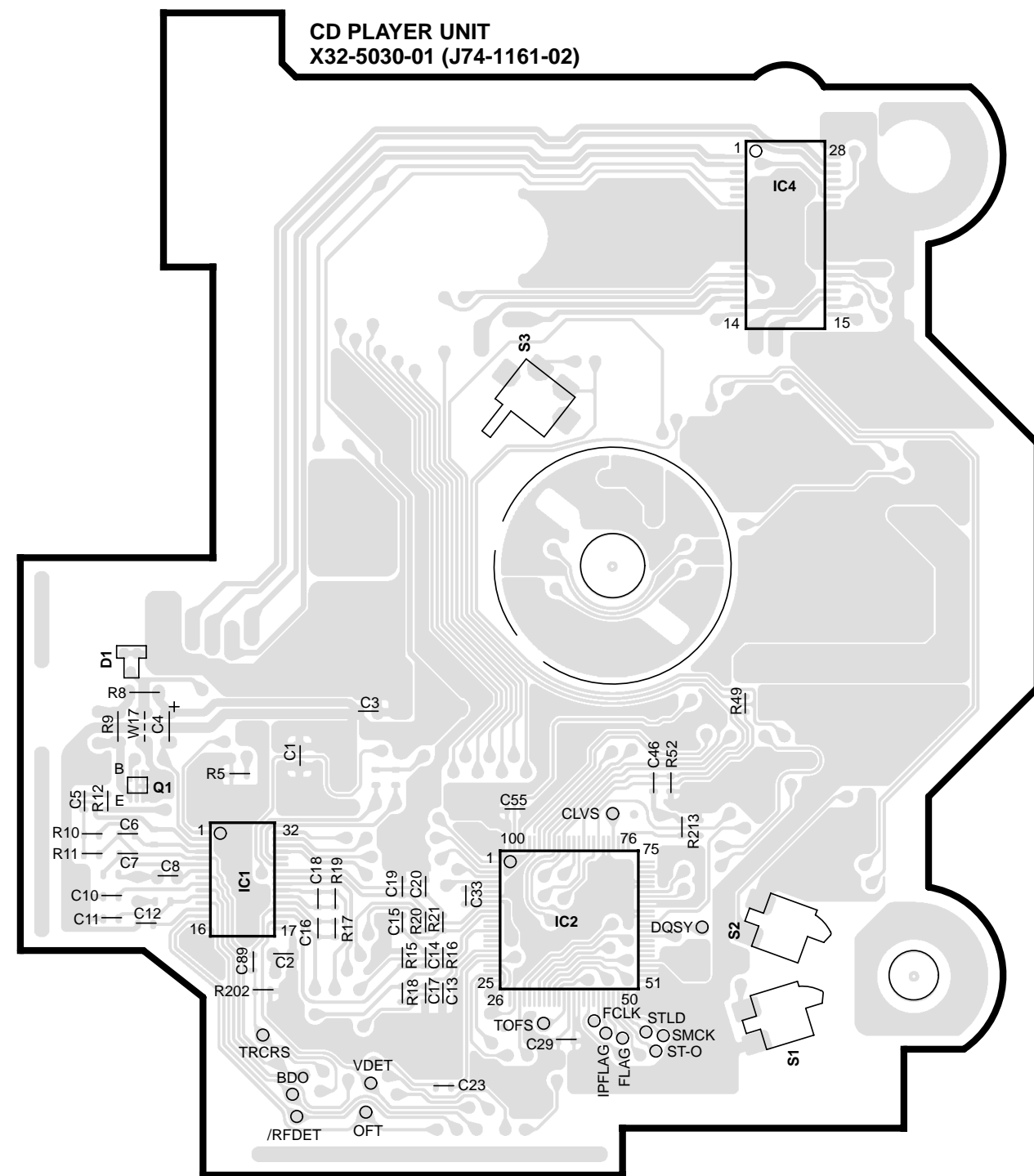
SWITCH UNIT
X25-9100-20 (J74-1271-12)



X25-9100-20

IC	Q	Address
2		2AK
3		2AK
4		6AL
8		4AL
	1	2AK
	6	2AK
	7	2AK
	8	2AK
	9	6AM
	10	7AM
	11	6AM

PC BOARD (COMPONENT SIDE VIEW)



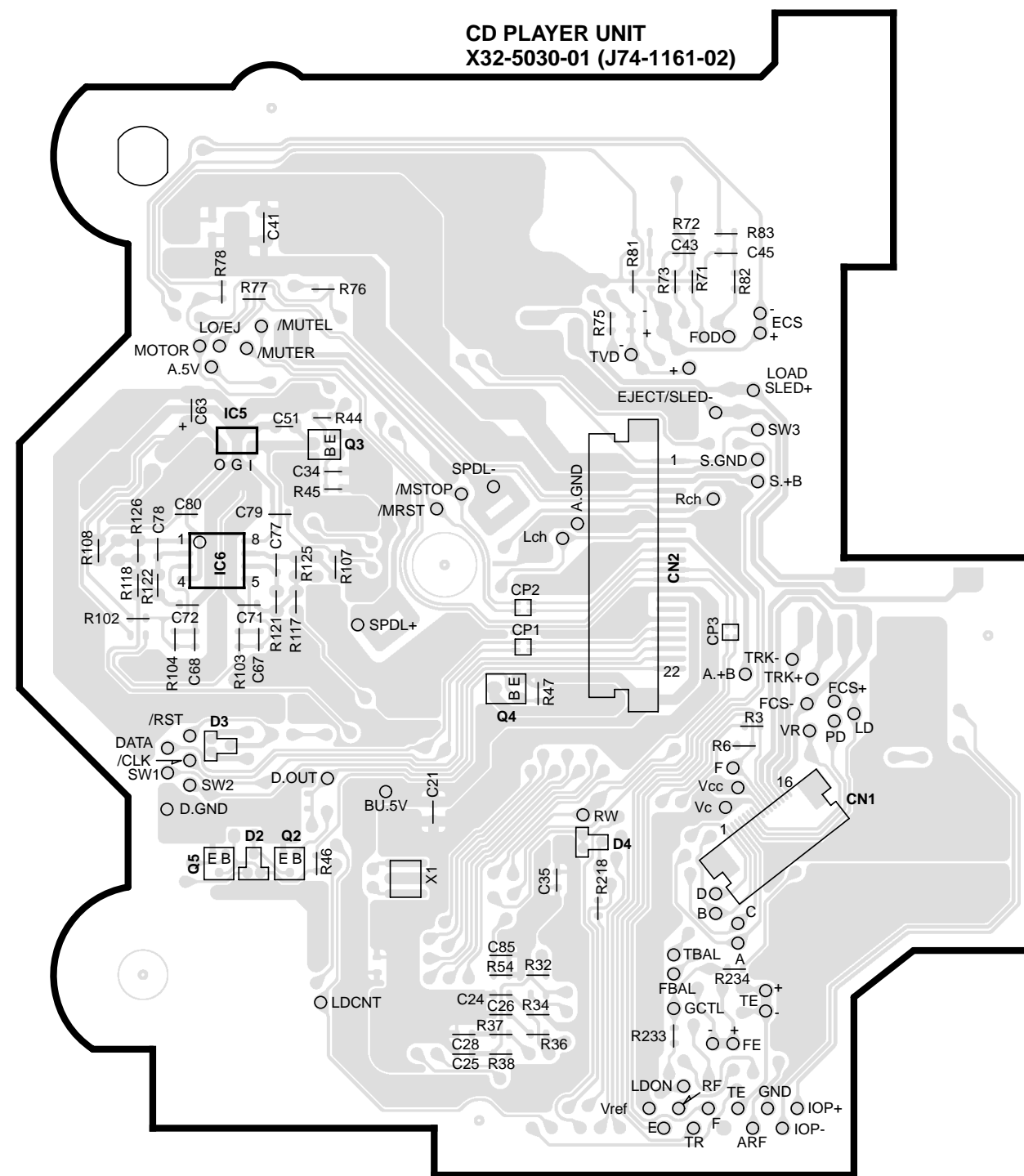
CD PLAYER UNIT
X32-5030-01 (J74-1161-02)

X32-5030-01

IC	Q	Address
1		5AP
2		5AQ
4		2AR
	1	4AO

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

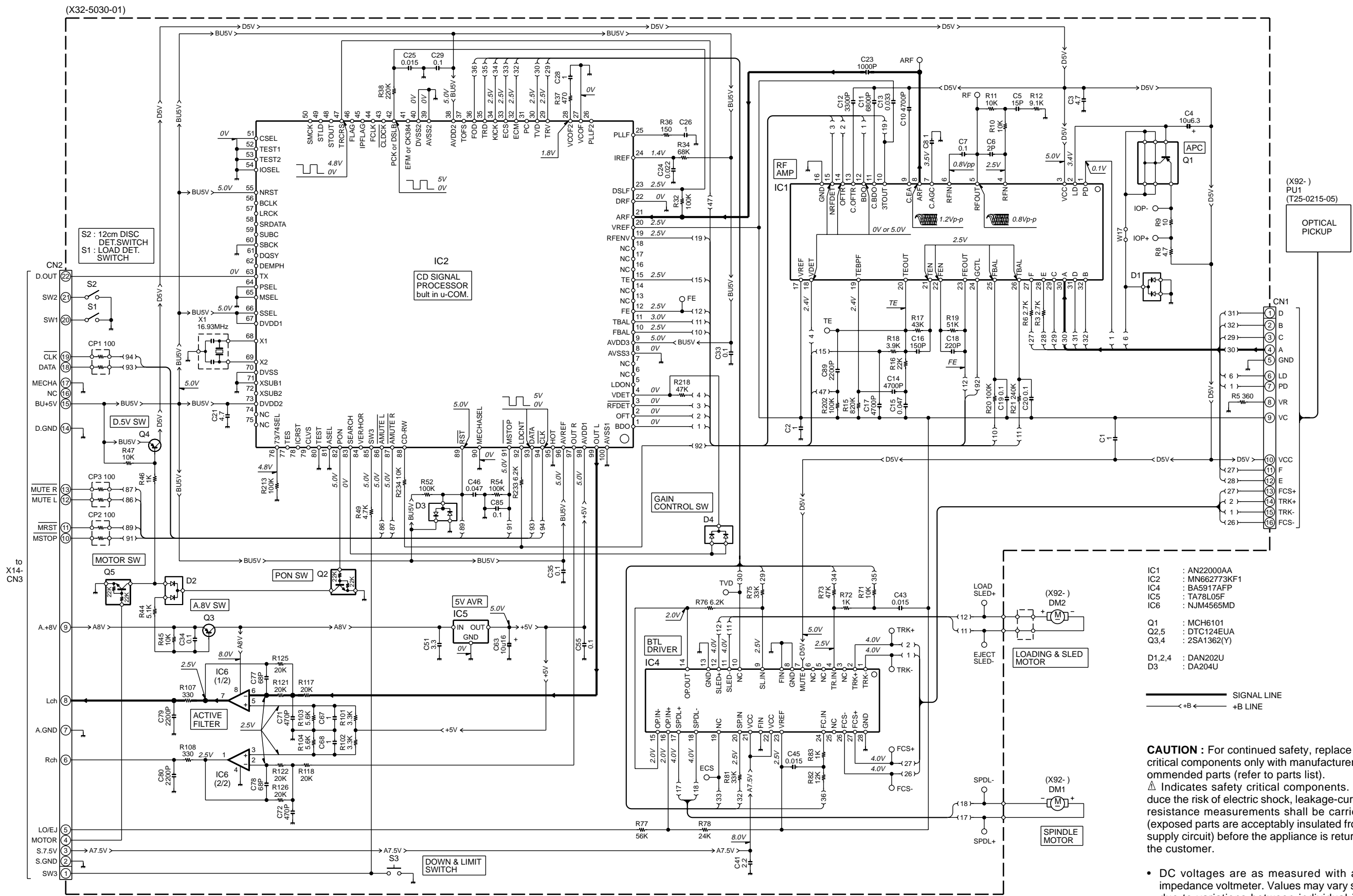
(FOIL SIDE VIEW)



CD PLAYER UNIT
X32-5030-01 (J74-1161-02)

X32-5030-01

IC	Q	Address
5		3AU
6		4AU
	2	5AU
	3	3AU
	4	4AV
	5	5AU



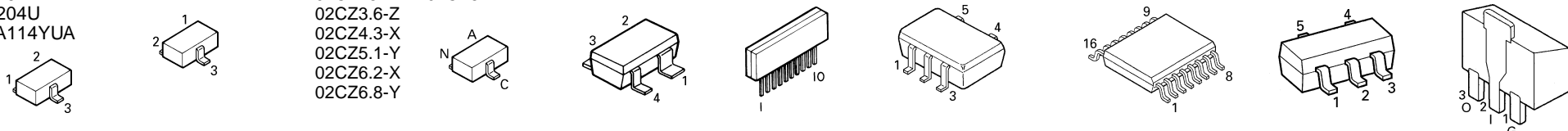
- IC1 : AN22000AA
 IC2 : MN662773KF1
 IC4 : BA5917AFP
 IC5 : TA78L05F
 IC6 : NJM4565MD
- Q1 : MCH6101
 Q2,5 : DTC124EUA
 Q3,4 : 2SA1362(Y)
- D1,2,4 : DAN202U
 D3 : DA204U

— SIGNAL LINE
 <-+B-+ LINE

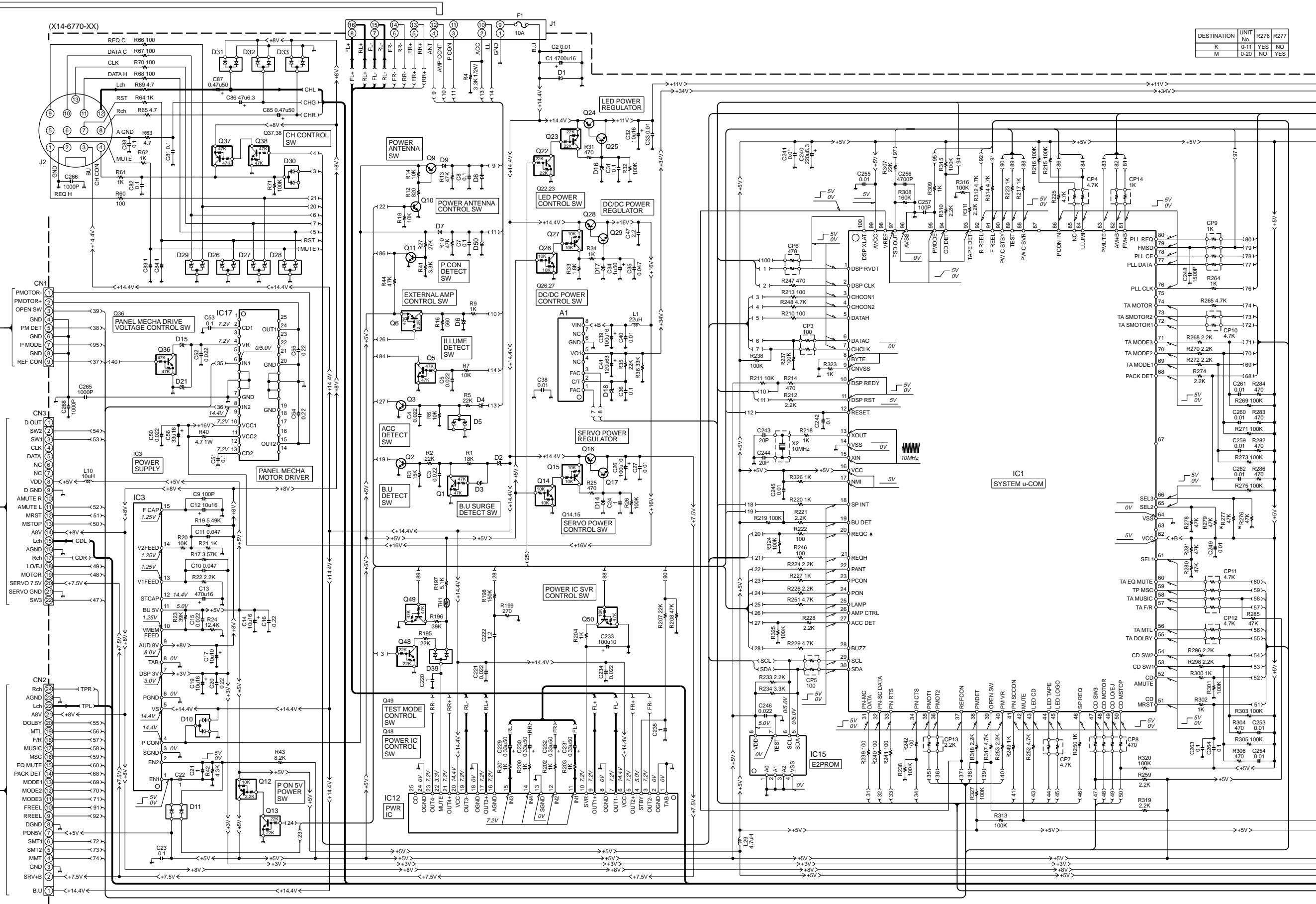
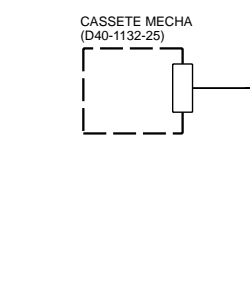
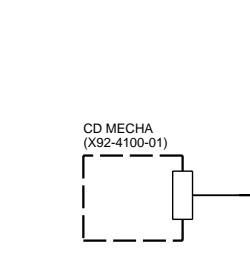
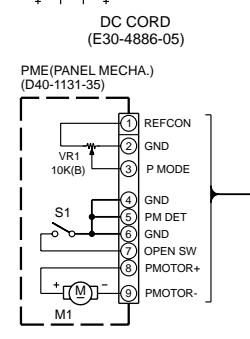
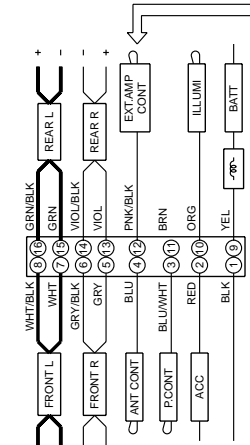
CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
 ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably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

- DAP202U MA142WA 02CZ12-X 02CZ7.5-X DA227 LB1641 PST9142NR TC74HC4050AFT BA033LBSG UPC29L33T
 DA204K MA142WK 02CZ18-Y 02CZ8.2-Y
 DTA114YUA 02CZ3.6-Z 02CZ4.3-X 02CZ5.1-Y 02CZ6.2-X 02CZ6.8-Y

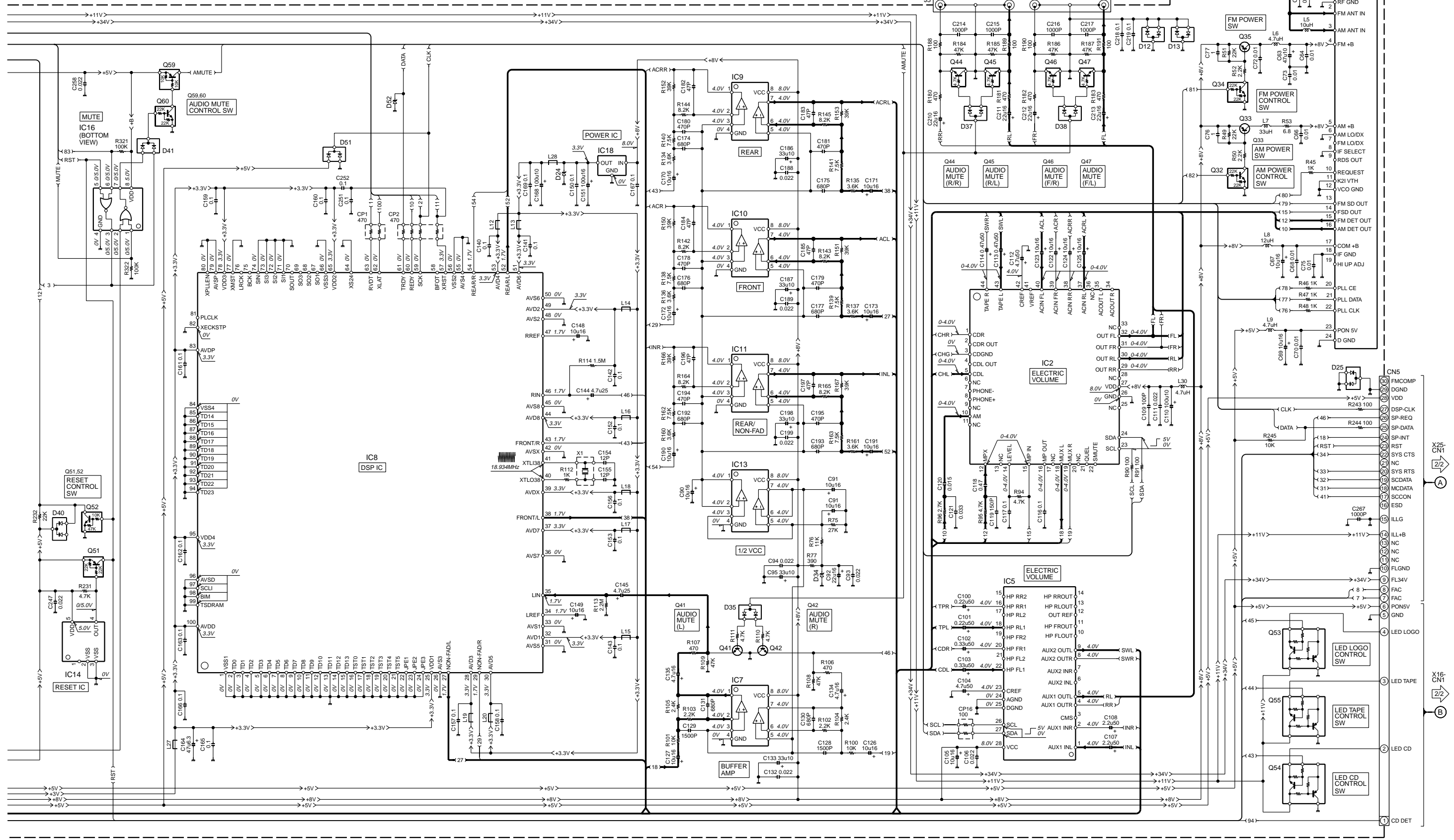
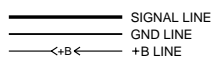


DPX-6020
KENWOOD



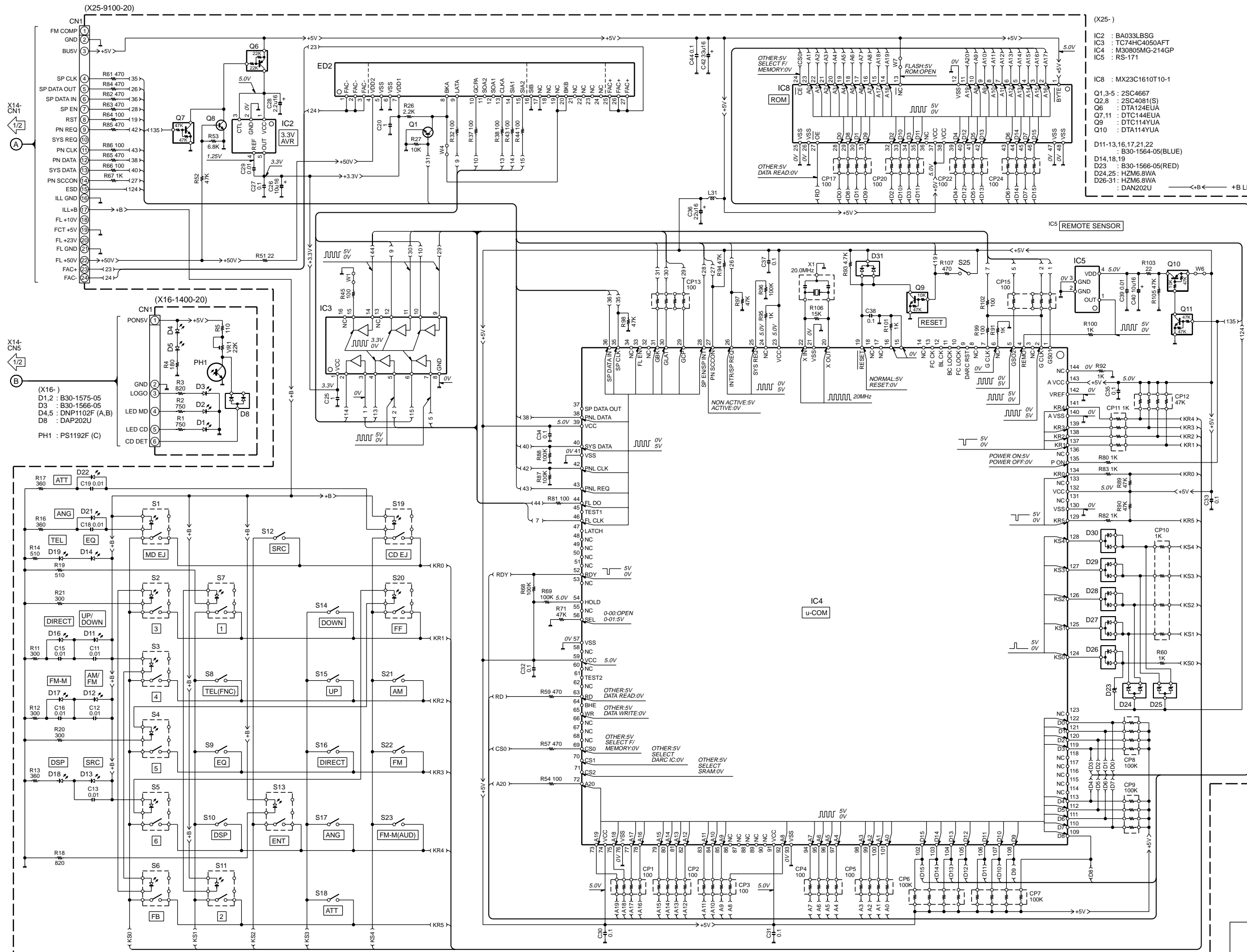
DESTINATION	UNIT No.	R276	R277
K	0-11	YES	NO
M	0-20	NO	YES

IC1 : M30622MC-A65FP	IC14 : PST9142NR	Q1,5,36,38 : DTC144EUA	Q14,26 : DTC114EUA	Q41,42 : 2SD2114K	D1 : RM10ZLF	D11 : DA227	D26-29 : HZM6.8WA
IC2 : TDA7407	IC15 : S-24C01AFJA	Q2,11,17,25 : 2SC4081	Q15,27,59 : DTA114EUA	Q44-47 : DTC143TUA	D2 : HZS7A3L	D14 : 02CZ8.2-Y	D30 : DAN202K
IC3 : L4943	IC16 : TC7W32FU	Q3 : 2SC2412K	Q16,24 : 2SB1548 (P)	Q49 : DTC144EK	D3,16 : 02CZ12-X	D15 : 02CZ5.1-Y	D31-33 : DA204K
IC5 : TDA7435	IC17 : BA6219BFP-Y	Q6 : DTA124EUA	Q23,51 : DTA124EUA	Q50 : DTC114YUA	D4,52 : 02CZ6.8-Y	D17 : 02CZ18-Y	D35,37-39 : DAP202U
IC7,9-11 : NJM4565MD	IC18 : UPC29L33T	Q8 : 2SB1188 (R)	Q28 : 2SB14116 (Q,R)	Q52 : DTC114YK	D5,40,41 : DAN202U	D18 : RD6.2F (B2)	D50 : U1GWJ44
IC8 : CXD2226Q-1		Q10,29 : 2SC4081 (S)	Q32 : DTC124EK	Q53-55 : FMC2A	D6,34 : 02CZ6.2-X	D21 : 02CZ7.5-X	
IC12 : TDA7386		Q12 : DTB123YK	Q33,35 : CPH3105	Q37 : DTA144EUA	D7-9 : 1SR544-400	D22 : IMSA-6801	
IC13 : NJM4580MD		Q13,22,34,48,60 : DTC124EUA	Q37 : DTA144EUA		D10,12,13,25,51 : DAN217	D24 : 02CZ3.6-Z	

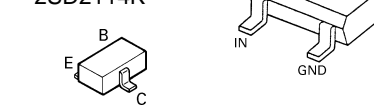


CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
 ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are safely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

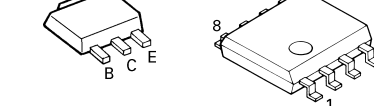
• DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.



- DTA123JK
- DTA144EK
- DTA144EUA
- DTB123YK
- DTC114EK
- DTC114YK
- DTC114YUA
- DTC124EK
- DTC143TUA
- DTC144EK
- DTC144EUA
- UN5111
- UN5211
- UN5216
- 2SA1362
- 2SC2412K
- 2SD1819A
- 2SD2114K



- 2SB1188
- 2SB1548
- 2SB1443



- DAN202K
- DAN202U



- TA78L05F



- 2SC4081
- NJM4565MD
- S-24C01AFJA

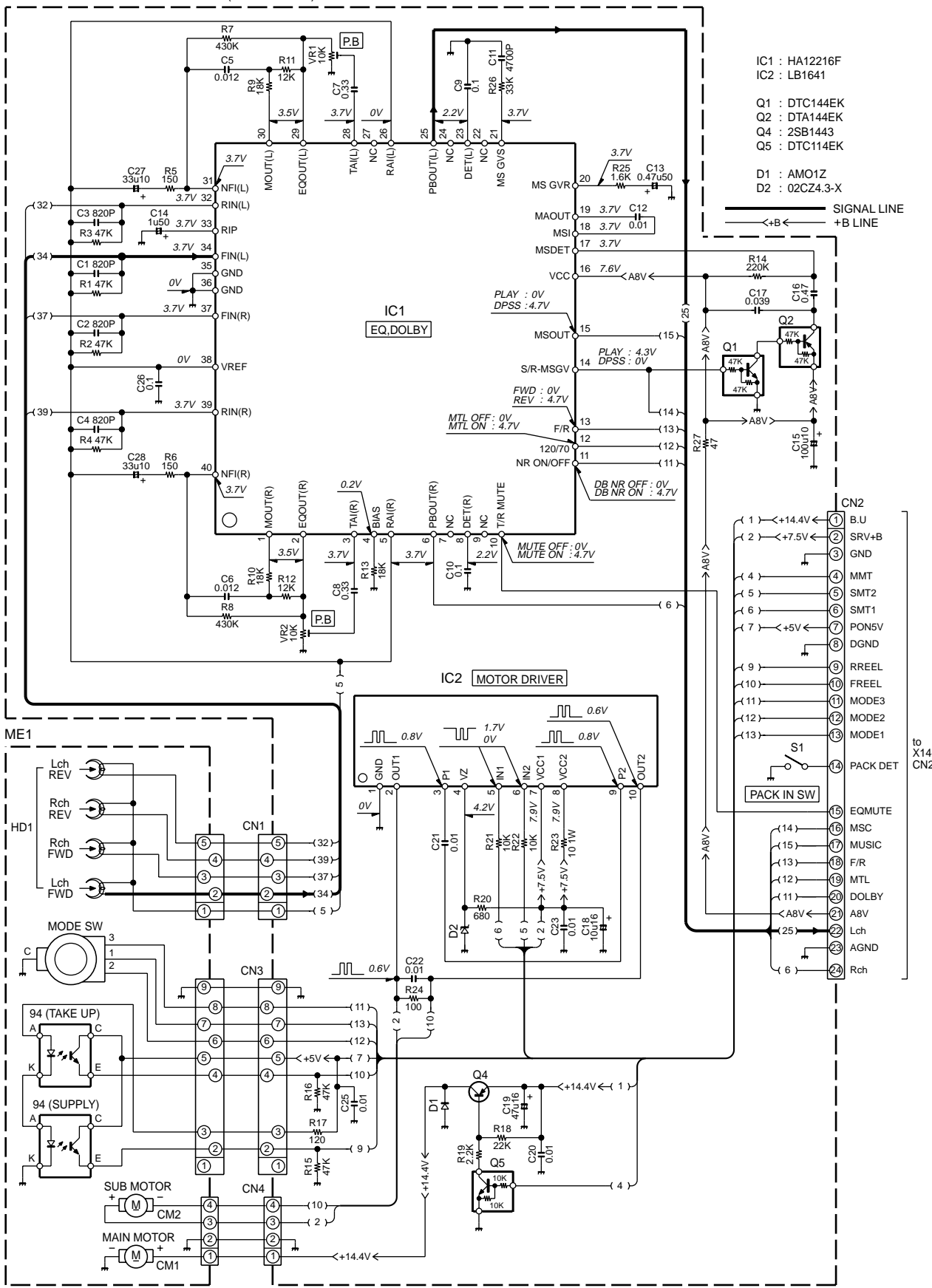


- 2SC4081
- NJM4565MD
- S-24C01AFJA
- DAN202K
- DAN202U
- TA78L05F

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.

DOLBY NOISE REDUCTION UNIT (X30-3000-00)



- IC1 : HA12216F
- IC2 : LB1641
- Q1 : DTC144EK
- Q2 : DTA144EK
- Q4 : 2SB1443
- Q5 : DTC114EK
- D1 : AMO1Z
- D2 : 02CZ4.3-X

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

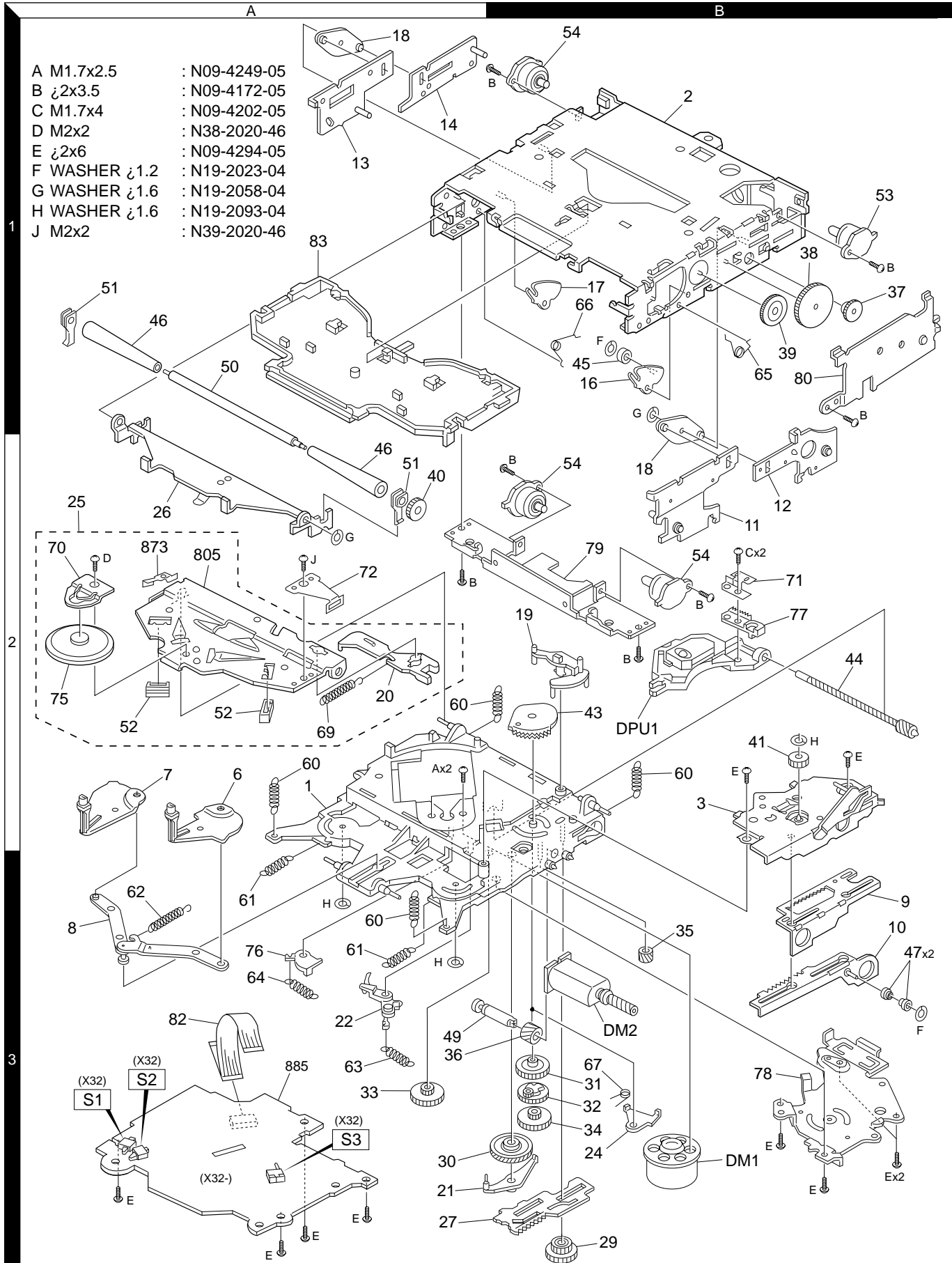
⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

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

DPX-6020
KENWOOD

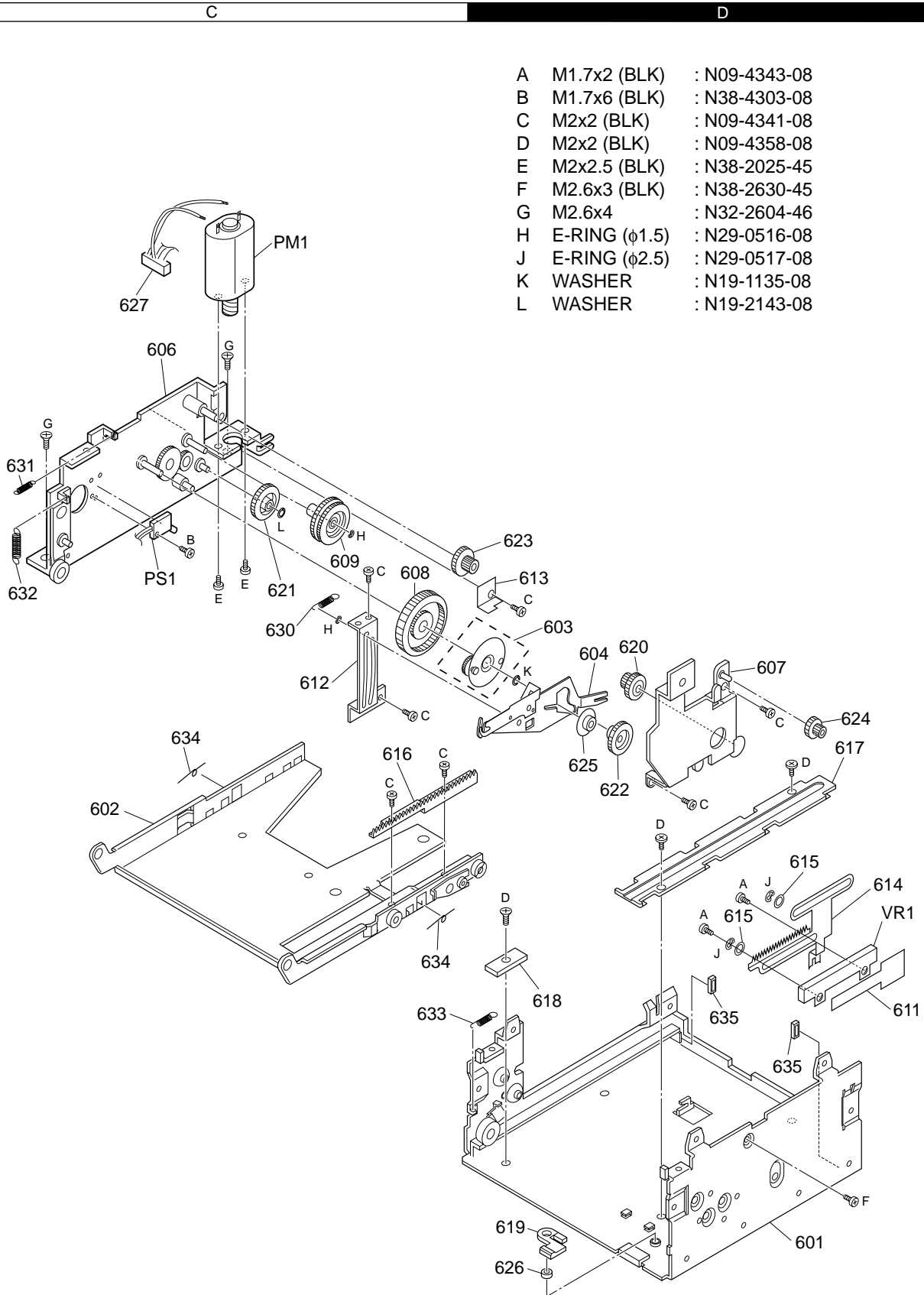
DPX-6020

EXPLODED VIEW (CD MECHANISM)



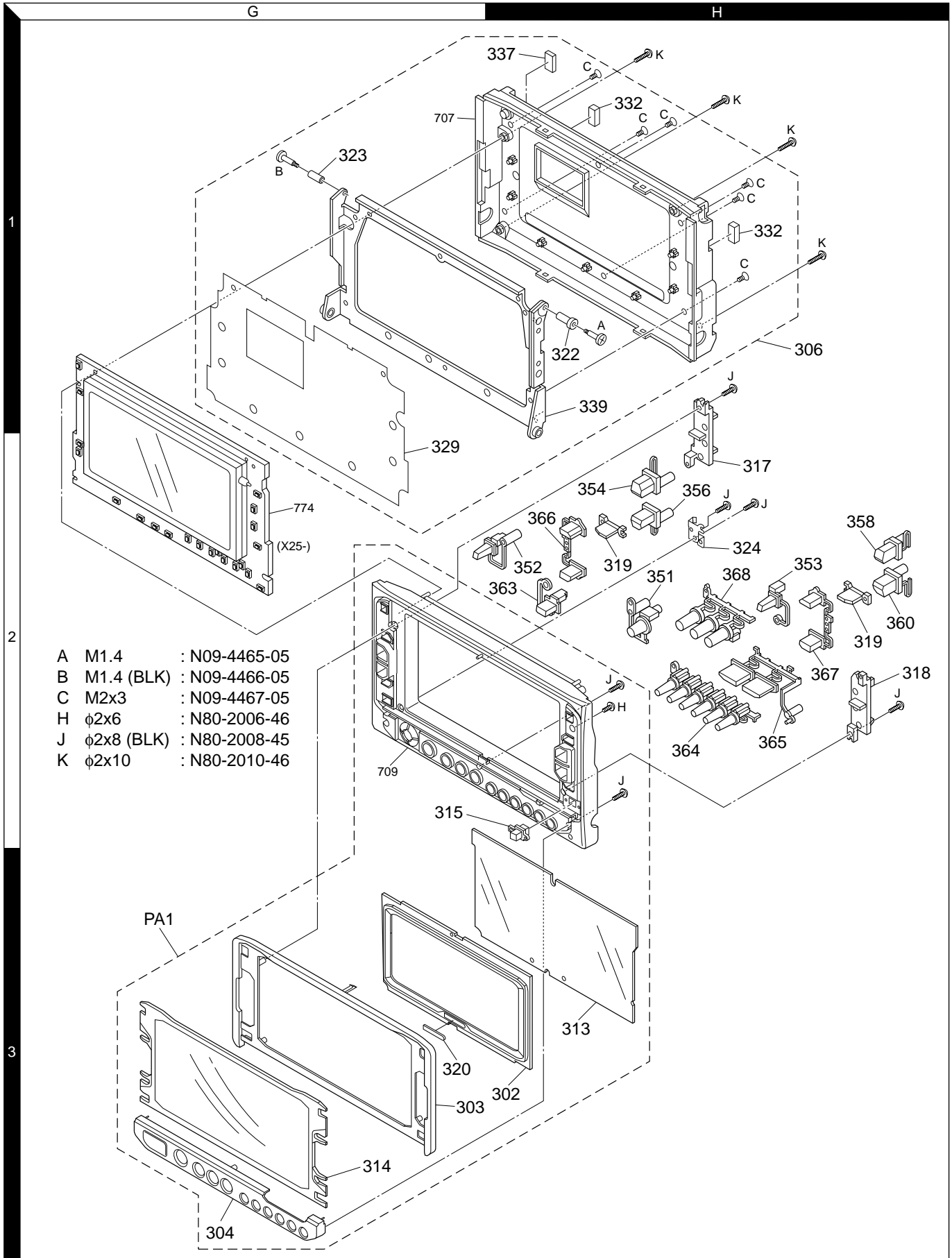
- | | | |
|---|-------------|---------------|
| A | M1.7x2.5 | : N09-4249-05 |
| B | φ2x3.5 | : N09-4172-05 |
| C | M1.7x4 | : N09-4202-05 |
| D | M2x2 | : N38-2020-46 |
| E | φ2x6 | : N09-4294-05 |
| F | WASHER φ1.2 | : N19-2023-04 |
| G | WASHER φ1.6 | : N19-2058-04 |
| H | WASHER φ1.6 | : N19-2093-04 |
| J | M2x2 | : N39-2020-46 |

EXPLODED VIEW (PANEL MECHANISM)



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

EXPLODED VIEW (DISPLAY)



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

DPX-6020

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
DPX-6020					
205	2E	*	A22-2915-13	SUB PANEL ASSY	
208	1E		A52-0774-02	TOP PLATE	
RM1	1F		A70-0900-05	REMOTE CONTROLLER ASSY	
210	1F		B07-3046-04	ESCUTCHEON ASSY	
211	1F		B07-3047-04	ESCUTCHEON ASSY	K
-			B46-0100-50	WARRANTY CARD	
-		*	B64-2004-00	INSTRUCTION MANUAL E	M
-		*	B64-2049-00	INSTRUCTION MANUAL T,K	M
-		*	B64-2050-00	INSTRUCTION MANUAL E,F	K
-		*	B64-2051-00	INSTRUCTION MANUAL S,P	K
PME	3F		D40-1131-35	MECHANISM ASSY	
△ DC1	1F		E30-4886-05	DC CORD	
FC1	2E		E39-0313-05	FLAT CABLE	
△ F1	2F		F52-0011-05	FUSE (MINI BLADE TYPE)	
-			H10-4605-34	POLYSTYRENE FOAMED FIXTURE	
-			H10-4728-02	POLYSTYRENE FOAMED FIXTURE	
-			H13-2010-04	CARTON BOARD	
-			H25-0337-04	PROTECTION BAG (180X300X0.03)	
-		*	H54-2115-03	ITEM CARTON CASE	
215	2F		J19-5121-04	BRACKET ASSY	K
241	3E		J31-1046-04	COLLAR	
243	3E		J90-1015-01	RAIL	
244	3E		J90-1019-11	RAIL	
FPC1	3E		J84-0132-05	FLEXIBLE PRINTED WIRING BOARD	
271	1H		N99-1701-05	SCREW SET	M
271	1H		N99-1711-05	SCREW SET	K
E	3E		N09-4389-05	MACHINE SCREW (M2.6X3.5)	
F	3E		N09-4480-15	STEPPED SCREW	
G	2E		N30-3014-46	PAN HEAD MACHINE SCREW	
M	1E		N83-3005-46	PAN HEAD TAPTITE SCREW	
CME	1F		D40-1132-25	MECHANISM ASSY	
DME	1E		X92-4100-01	MECHANISM ASSY	
SYNTHESIZER UNIT (X14-6770-XX)					
C1			C90-2853-05	ELECTRO 4700UF	16WV
C2			CK73GB1H103K	CHIP C	0.010UF K
C3,4			CK73GB1E223K	CHIP C	0.022UF K
C3,4			CK73GB1H223K	CHIP C	0.022UF K
C7,8			CK73FB1H104K	CHIP C	0.10UF K
C9			CC73GCH1H101J	CHIP C	100PF J
C10,11			CK73GB1E473K	CHIP C	0.047UF K
C12			C90-2554-05	ELECTRO 10UF	16WV
C13			C90-5257-05	ELECTRO 470UF	16WV
C14			C90-2554-05	ELECTRO 10UF	16WV
C15			CK73GB1E223K	CHIP C	0.022UF K
C15			CK73GB1H223K	CHIP C	0.022UF K
C16			CK73FB1C224K	CHIP C	0.22UF K
C17			C90-2528-05	ELECTRO 10UF	10WV
C19			C90-2554-05	ELECTRO 10UF	16WV
C20			CK73FB1C224K	CHIP C	0.22UF K

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
C21,22			CK73EB1E105K	CHIP C 1.0UF	K
C23			CK73GB1C104K	CHIP C 0.10UF	K
C24			CK73FB1C105K	CHIP C 1.0UF	K
C26			C90-2672-05	ELECTRO 100UF	10WV
C27			CK73GB1H103K	CHIP C 0.010UF	K
C31			CK73GB1C104K	CHIP C 0.10UF	K
C32			C90-2554-05	ELECTRO 10UF	16WV
C33			CK73GB1H103K	CHIP C 0.010UF	K
C34			CE04DW1H010M	ELECTRO 1.0UF	50WV
C35			CK73GB1E473K	CHIP C 0.047UF	K
C36			CK73GB1C104K	CHIP C 0.10UF	K
C38			CK73GB1H103K	CHIP C 0.010UF	K
C39			C90-2966-05	ELECTRO 100UF	16WV
C40			CK73GB1H103K	CHIP C 0.010UF	K
C41			C90-5321-05	ELECTRO 120UF	63WV
C47			CK73EB1C225K	CHIP C 2.2UF	K
C51			CK73FB1H104K	CHIP C 0.10UF	K
C52			CK73GB1E223K	CHIP C 0.022UF	K
C52			CK73GB1H223K	CHIP C 0.022UF	K
C53			CK73FB1H104K	CHIP C 0.10UF	K
C54,55			CK73FB1C224K	CHIP C 0.22UF	K
C56			CE04NW1C330M	ELECTRO 33UF	16WV
C63			CE04NW1A470M	ELECTRO 47UF	10WV
C64			CK73GB1H103K	CHIP C 0.010UF	K
C66			CK73GB1H103K	CHIP C 0.010UF	K
C67			CE04NW1C100M	ELECTRO 10UF	16WV
C68			CK73GB1H103K	CHIP C 0.010UF	K
C69			CE04NW1C100M	ELECTRO 10UF	16WV
C70-75			CK73GB1H103K	CHIP C 0.010UF	K
C76,77			CK73FB1C105K	CHIP C 1.0UF	K
C81,82			CK73FB1H104K	CHIP C 0.10UF	K
C83,84			CK73FB1C105K	CHIP C 1.0UF	K
C85			CE04NW1HR47M	ELECTRO 0.47UF	50WV
C86			CE04NW0J470M	ELECTRO 47UF	6.3WV
C87			CE04NW1HR47M	ELECTRO 0.47UF	50WV
C88			CK73FB1H104K	CHIP C 0.10UF	K
C90,91			CE04NW1C100M	ELECTRO 10UF	16WV
C92			CE04NW1C220M	ELECTRO 22UF	16WV
C93,94			CK73GB1E223K	CHIP C 0.022UF	K
C93,94			CK73GB1H223K	CHIP C 0.022UF	K
C95			CE04NW1A330M	ELECTRO 33UF	10WV
C96			CE04NW1C100M	ELECTRO 10UF	16WV
C100,101			CE04NW1HR22M	ELECTRO 0.22UF	50WV
C102,103			CE04NW1HR33M	ELECTRO 0.33UF	50WV
C104			CE04NW1H4R7M	ELECTRO 4.7UF	50WV
C105			CE04NW1C100M	ELECTRO 10UF	16WV
C106			CK73GB1E223K	CHIP C 0.022UF	K
C106			CK73GB1H223K	CHIP C 0.022UF	K
C107,108			CE04NW1H2R2M	ELECTRO 2.2UF	50WV
C109			CC73GCH1H101J	CHIP C 100PF	J
C110			CE04NW1A101M	ELECTRO 100UF	10WV
C111			CK73GB1E223K	CHIP C 0.022UF	K
C111			CK73GB1H223K	CHIP C 0.022UF	K
C112			CE04NW1H4R7M	ELECTRO 4.7UF	50WV
C113,114			CE04NW1HR47M	ELECTRO 0.47UF	50WV

K : North America M : Other Areas

△ Indicates safety critical components.

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.

SYNTHESIZER UNIT (X14-6770-XX)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
C116,117			CK73GB1C104K	CHIP C 0.10UF K		C249			CK73GB1H103K	CHIP C 0.010UF K	
C118			CK73FB1C474K	CHIP C 0.47UF K		C251,252			CK73FB1H104K	CHIP C 0.10UF K	
C119			CC73GCH1H151J	CHIP C 150PF J		C253-255			CK73GB1H103K	CHIP C 0.010UF K	
C120			CK73GB1H153K	CHIP C 0.015UF K		C256			CK73GB1H472K	CHIP C 4700PF K	
C121			CK73GB1C333K	CHIP C 0.033UF K		C257			CC73GCH1H101J	CHIP C 100PF J	
C122-127			CE04NW1C100M	ELECTRO 10UF 16WV		C258			CK73GB1E223K	CHIP C 0.022UF K	
C128,129			CK73GB1H152K	CHIP C 1500PF K		C258			CK73GB1H223K	CHIP C 0.022UF K	
C130,131			CC73GCH1H681J	CHIP C 680PF J		C259-262			CK73GB1H103K	CHIP C 0.010UF K	
C132			CK73GB1E223K	CHIP C 0.022UF K		C263,264			CK73GB1C104K	CHIP C 0.10UF K	
C132			CK73GB1H223K	CHIP C 0.022UF K		CN1			E40-5186-05	PIN ASSY	
C133			CE04NW1A330M	ELECTRO 33UF 10WV		CN2			E40-9704-05	SOCKET FOR PIN ASSY	
C134,135			C90-2595-05	ELECTRO 4.7UF 16WV		CN3			E40-9732-15	FLAT CABLE CONNECTOR	
C140-143			CK73GB1C104K	CHIP C 0.10UF K		CN5			E40-9373-05	FLAT CABLE CONNECTOR	
C144,145			CE04NW1E4R7M	ELECTRO 4.7UF 25WV		J1			E58-0836-05	RECTANGULAR RECEPTACLE	
C146			CK73GB1H103K	CHIP C 0.010UF K		J2			E56-0809-05	CYLINDRICAL RECEPTACLE	
C148,149			CE04NW1C100M	ELECTRO 10UF 16WV		J3			E63-0853-05	PIN JACK	
C150			CK73GB1C104K	CHIP C 0.10UF K		W1			E30-4653-15	CORD WITH PLUG	
C151			C90-2966-05	ELECTRO 100UF 16WV		L1			L33-1029-05	SMALL FIXED INDUCTOR	
C152,153			CK73GB1C104K	CHIP C 0.10UF K		L4			L33-1123-05	LINE FILTER COIL	
C154,155			CC73GCH1H120J	CHIP C 12PF J		L5			L33-1001-05	SMALL FIXED INDUCTOR	
C156-163			CK73GB1C104K	CHIP C 0.10UF K		L6			L40-4795-34	SMALL FIXED INDUCTOR	
C164			C90-5262-05	ELECTRO 47UF 6.3WV		L7			L40-3305-34	SMALL FIXED INDUCTOR	
C165-167			CK73GB1C104K	CHIP C 0.10UF K		L8			L40-1205-34	SMALL FIXED INDUCTOR	
C168			CE04NW1A101M	ELECTRO 100UF 10WV		L9			L40-4795-34	SMALL FIXED INDUCTOR	
C169			CK73GB1C104K	CHIP C 0.10UF K		L10			L40-1005-34	SMALL FIXED INDUCTOR	
C170-173			CE04NW1C100M	ELECTRO 10UF 16WV		L12			L92-0308-05	FERRITE CORE	
C174-177			CC73GCH1H681J	CHIP C 680PF J		L13-20			L92-0332-05	CHIP FERRITE	
C178-181			CC73GCH1H471J	CHIP C 470PF J		L27,28			L92-0308-05	FERRITE CORE	
C182-185			CC73GCH1H470J	CHIP C 47PF J		L29,30			L40-4795-34	SMALL FIXED INDUCTOR	
C186,187			CE04NW1A330M	ELECTRO 33UF 10WV		X1			L77-2715-05	CRYSTAL RESONATOR	
C188,189			CK73GB1E223K	CHIP C 0.022UF K		X2			L77-2093-15	CRYSTAL RESONATOR (10.000MHZ)	
C188,189			CK73GB1H223K	CHIP C 0.022UF K		CP1			R90-1022-05	MULTI-COMP 470 X2	
C190,191			CE04NW1C100M	ELECTRO 10UF 16WV		CP2			R90-1016-05	MULTI-COMP 470 X4	
C192,193			CC73GCH1H681J	CHIP C 680PF J		CP3			R90-1019-05	MULTI-COMP 100 X2	
C194,195			CC73GCH1H471J	CHIP C 470PF J		CP4			R90-0719-05	MULTI-COMP 4.7K X2	
C196,197			CC73GCH1H470J	CHIP C 47PF J		CP5			R90-1019-05	MULTI-COMP 100 X2	
C198			CE04NW1A330M	ELECTRO 33UF 10WV		CP6			R90-1022-05	MULTI-COMP 470 X2	
C199			CK73GB1E223K	CHIP C 0.022UF K		CP7			R90-0719-05	MULTI-COMP 4.7K X2	
C199			CK73GB1H223K	CHIP C 0.022UF K		CP8			R90-1016-05	MULTI-COMP 470 X4	
C210-213			CE04NW1C220M	ELECTRO 22UF 16WV		CP9			R90-0724-05	MULTI-COMP 1K X4	
C214-217			CK73GB1H102K	CHIP C 1000PF K		CP10			R90-0719-05	MULTI-COMP 4.7K X2	
C218,219			CK73FB1H104K	CHIP C 0.10UF K		CP11			R90-0718-05	MULTI-COMP 4.7K X4	
C220			CK73FB1C105K	CHIP C 1.0UF K		CP12			R90-0719-05	MULTI-COMP 4.7K X2	
C222			C91-2173-05	CHIP C 1.2UF		CP13			R90-1013-05	MULTI-COMP 2.2K X2	
C229-232			C92-1451-05	ELECTRO 0.33UF 50WV		CP14			R90-0725-05	MULTI-COMP 1K X2	
C233			C90-2550-05	ELECTRO 100UF 10WV		CP16			R90-1019-05	MULTI-COMP 100 X2	
C235			CK73FB1C105K	CHIP C 1.0UF K		R1			RK73FB2A183J	CHIP R 18K J 1/10W	
C240			CE04NW0J221M	ELECTRO 220UF 6.3WV		R2			RK73FB2A223J	CHIP R 22K J 1/10W	
C241			CK73GB1H103K	CHIP C 0.010UF K		R3			RK73GB1J153J	CHIP R 15K J 1/16W	
C242			CK73GB1C104K	CHIP C 0.10UF K		R4			R92-2072-05	CHIP R 1.5K J 1/2W	
C243,244			CC73GCH1H200J	CHIP C 20PF J		R5			RK73FB2A223J	CHIP R 22K J 1/10W	
C245			CK73GB1H103K	CHIP C 0.010UF K		R6			RK73FB2A103J	CHIP R 10K J 1/10W	
C246,247			CK73GB1E223K	CHIP C 0.022UF K		R7			RK73EB2B103J	CHIP R 10K J 1/8W	
C246,247			CK73GB1H223K	CHIP C 0.022UF K		R9			RK73EB2B102J	CHIP R 1.0K J 1/8W	
C248			CK73GB1H152K	CHIP C 1500PF K							

K : North America M : Other Areas

△ Indicates safety critical components.

PARTS LIST

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SYNTHESIZER UNIT (X14-6770-XX)

Ref. No.	A d	N e w	Parts No.	Description	Desti- nation
R10			RK73FB2A473J	CHIP R 47K J 1/10W	
R12			R92-2023-05	CHIP R 820 J 1/2W	
R13			RK73FB2A473J	CHIP R 47K J 1/10W	
R14			RK73GB1J103J	CHIP R 10K J 1/16W	
R16			RK73FB2A561J	CHIP R 560 J 1/10W	
R17			RN73GH1J3571D	CHIP R 3.57K D 1/16W	
R18			RK73FB2A103J	CHIP R 10K J 1/10W	
R19			RN73GH1J5491D	CHIP R 5.49K D 1/16W	
R20			RK73GB1J103J	CHIP R 10K J 1/16W	
R21			RN73GH1J102D	CHIP R 1.0K D 1/16W	
R22			RN73GH1J222D	CHIP R 2.2K D 1/16W	
R23			RN73GH1J393D	CHIP R 39K D 1/16W	
R24			RN73GH1J1242D	CHIP R 12.4K D 1/16W	
R25			RK73EB2B471J	CHIP R 470 J 1/8W	
R26			RK73GB1J104J	CHIP R 100K J 1/16W	
R27			R92-3048-05	CHIP R 27K D 1/10W	
R31			RK73EB2B471J	CHIP R 470 J 1/8W	
R32			RK73FB2A104J	CHIP R 100K J 1/10W	
R33			RK73EB2B182J	CHIP R 1.8K J 1/8W	
R34			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R35			RK73EB2B223J	CHIP R 22K J 1/8W	
R36			RK73EB2B333J	CHIP R 33K J 1/8W	
R40			RS14DB3A4R7J	FL-PROOF RS 4.7 J 1W	
R41			R92-3056-05	CHIP R 3.3K D 1/10W	
R42			RK73GB1J432J	CHIP R 4.3K J 1/16W	
R43			RK73FB2A822J	CHIP R 8.2K J 1/10W	
R44			RK73GB1J473J	CHIP R 47K J 1/16W	
R45-48			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R49			RK73GB1J223J	CHIP R 22K J 1/16W	
R50			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R51			RK73GB1J223J	CHIP R 22K J 1/16W	
R52			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R53			RK73FB2A6R8J	CHIP R 6.8 J 1/10W	
R60			RK73EB2B101J	CHIP R 100 J 1/8W	
R61,62			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R63			RK73EB2B4R7J	CHIP R 4.7 J 1/8W	
R64			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R65			RK73EB2B4R7J	CHIP R 4.7 J 1/8W	
R66-68			RK73EB2B101J	CHIP R 100 J 1/8W	
R69			RK73EB2B4R7J	CHIP R 4.7 J 1/8W	
R70			RK73EB2B101J	CHIP R 100 J 1/8W	
R71			RK73FB2A104J	CHIP R 100K J 1/10W	
R75			RK73FB2A273J	CHIP R 27K J 1/10W	
R76			RK73FB2A113J	CHIP R 11K J 1/10W	
R77			RK73FB2A391J	CHIP R 390 J 1/10W	
R90,91			RK73GB1J101J	CHIP R 100 J 1/16W	
R94,95			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R96			RK73GB1J272J	CHIP R 2.7K J 1/16W	
R100,101			RK73FB2A103J	CHIP R 10K J 1/10W	
R102,103			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R104,105			RK73FB2A242J	CHIP R 2.4K J 1/10W	
R106,107			RK73FB2A471J	CHIP R 470 J 1/10W	
R108,109			RK73FB2A473J	CHIP R 47K J 1/10W	
R110,111			RK73FB2A472J	CHIP R 4.7K J 1/10W	
R112			RK73GB1J102J	CHIP R 1.0K J 1/16W	

Ref. No.	A d	N e w	Parts No.	Description	Desti- nation
R113			RK73GB1J225J	CHIP R 2.2M J 1/16W	
R114			RK73GB1J155J	CHIP R 1.5M J 1/16W	
R134-137			RK73FB2A362J	CHIP R 3.6K J 1/10W	
R138-141			RK73FB2A752J	CHIP R 7.5K J 1/10W	
R142-145			RK73FB2A822J	CHIP R 8.2K J 1/10W	
R150-153			RK73FB2A393J	CHIP R 39K J 1/10W	
R160,161			RK73FB2A362J	CHIP R 3.6K J 1/10W	
R162,163			RK73FB2A752J	CHIP R 7.5K J 1/10W	
R164,165			RK73FB2A822J	CHIP R 8.2K J 1/10W	
R166,167			RK73FB2A393J	CHIP R 39K J 1/10W	
R180-183			RK73FB2A471J	CHIP R 470 J 1/10W	
R184-187			RK73FB2A473J	CHIP R 47K J 1/10W	
R188-191			RK73FB2A101J	CHIP R 100 J 1/10W	
R195			RK73GB1J223J	CHIP R 22K J 1/16W	
R196			RK73GB1J393J	CHIP R 39K J 1/16W	
R197			RK73GB1J512J	CHIP R 5.1K J 1/16W	
R198			RK73GB1J154J	CHIP R 150K J 1/16W	
R199			RK73GB1J271J	CHIP R 270 J 1/16W	
R200-203			RK73FB2A102J	CHIP R 1.0K J 1/10W	
R204			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R207			RK73GB1J223J	CHIP R 22K J 1/16W	
R208			RK73GB1J473J	CHIP R 47K J 1/16W	
R210			RK73GB1J101J	CHIP R 100 J 1/16W	
R211			RK73GB1J103J	CHIP R 10K J 1/16W	
R212			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R213			RK73GB1J101J	CHIP R 100 J 1/16W	
R214			RK73GB1J471J	CHIP R 470 J 1/16W	
R215,216			RK73GB1J104J	CHIP R 100K J 1/16W	
R217,218			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R219			RK73GB1J104J	CHIP R 100K J 1/16W	
R220			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R221			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R222			RK73GB1J101J	CHIP R 100 J 1/16W	
R223			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R224			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R225			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R226			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R227			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R228			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R229			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R231			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R232			RK73GB1J223J	CHIP R 22K J 1/16W	
R233			RK73FB2A222J	CHIP R 2.2K J 1/10W	
R234			RK73FB2A332J	CHIP R 3.3K J 1/10W	
R237,238			RK73GB1J104J	CHIP R 100K J 1/16W	
R239-244			RK73EB2B101J	CHIP R 100 J 1/8W	
R245			RK73GB1J103J	CHIP R 10K J 1/16W	
R246			RK73GB1J101J	CHIP R 100 J 1/16W	
R247			RK73GB1J471J	CHIP R 470 J 1/16W	
R248			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R249,250			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R251,252			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R253			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R259			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R264			RK73GB1J102J	CHIP R 1.0K J 1/16W	

K : North America M : Other Areas

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PARTS LIST

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SYNTHESIZER UNIT (X14-6770-XX)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation	Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R265			RK73GB1J472J	CHIP R 4.7K J 1/16W		D16			02CZ12-X	ZENER DIODE	
R268			RK73GB1J222J	CHIP R 2.2K J 1/16W		D17			02CZ18-Y	ZENER DIODE	
R269			RK73GB1J104J	CHIP R 100K J 1/16W		D18			RD6.2F(B2)	ZENER DIODE	
R270			RK73GB1J222J	CHIP R 2.2K J 1/16W		D21			02CZ7.5-X	ZENER DIODE	
R271			RK73GB1J104J	CHIP R 100K J 1/16W		D23			IMSA-6801	SURGE ABSORBER	
R272			RK73GB1J222J	CHIP R 2.2K J 1/16W		D24			02CZ3.6-Z	ZENER DIODE	
R273			RK73GB1J104J	CHIP R 100K J 1/16W		D25			DAN217	DIODE	
R274			RK73GB1J222J	CHIP R 2.2K J 1/16W		D26-29			HZM6.8WA	ZENER DIODE	
R275			RK73GB1J104J	CHIP R 100K J 1/16W		D30			DAN202K	DIODE	
R276			RK73GB1J473J	CHIP R 47K J 1/16W	K	D30			MA152WK	DIODE	
R277,278			RK73GB1J473J	CHIP R 47K J 1/16W	M	D31-33			DA204K	DIODE	
R278			RK73GB1J473J	CHIP R 47K J 1/16W	K	D34			02CZ6.2-X	ZENER DIODE	
R280			RK73GB1J473J	CHIP R 47K J 1/16W		D35			DAP202U	DIODE	
R282-284			RK73GB1J471J	CHIP R 470 J 1/16W		D35			MA142WA	DIODE	
R285			RK73GB1J473J	CHIP R 47K J 1/16W		D37-39			DAP202U	DIODE	
R286			RK73GB1J471J	CHIP R 470 J 1/16W		D37-39			MA142WA	DIODE	
R296			RK73GB1J222J	CHIP R 2.2K J 1/16W		D40,41			DAN202U	DIODE	
R298			RK73GB1J222J	CHIP R 2.2K J 1/16W		D40,41			MA142WK	DIODE	
R300			RK73GB1J102J	CHIP R 1.0K J 1/16W		D50			U1GWJ44	DIODE	
R301			RK73GB1J104J	CHIP R 100K J 1/16W		IC1			M30622MC-A65FP	MI-COM IC	
R302			RK73GB1J102J	CHIP R 1.0K J 1/16W		IC2			TDA7407	ANALOGUE IC	
R303			RK73GB1J104J	CHIP R 100K J 1/16W		IC3			L4943	ANALOGUE IC	
R304			RK73GB1J471J	CHIP R 470 J 1/16W		IC5			TDA7435	ANALOGUE IC	
R305			RK73GB1J104J	CHIP R 100K J 1/16W		IC7			NJM4565MD	IC (OP AMP X2)	
R306			RK73GB1J471J	CHIP R 470 J 1/16W		IC8			CXD2726Q-1	MOS-IC	
R307			RK73GB1J223J	CHIP R 22K J 1/16W		IC9-11			NJM4565MD	IC (OP AMP X2)	
R308			RK73GB1J164J	CHIP R 160K J 1/16W		IC12			TDA7386	ANALOGUE IC	
R309			RK73GB1J102J	CHIP R 1.0K J 1/16W		IC13			NJM4580MD	ANALOGUE IC	
R310,311			RK73GB1J222J	CHIP R 2.2K J 1/16W		IC14			PST9142NR	ANALOGUE IC	
R312			RK73GB1J472J	CHIP R 4.7K J 1/16W		IC15			S-24C01AFJA	MEMORY IC	
R313			RK73GB1J104J	CHIP R 100K J 1/16W		IC16			TC7W32FU	ANALOGUE IC	
R314			RK73GB1J472J	CHIP R 4.7K J 1/16W		IC17			BA6219BFP-Y	ANALOGUE IC	
R315,316			RK73GB1J104J	CHIP R 100K J 1/16W		IC18			UPC29L33T	ANALOGUE IC	
R317			RK73GB1J472J	CHIP R 4.7K J 1/16W		Q1			DTC144EUA	DIGITAL TRANSISTOR	
R318,319			RK73GB1J222J	CHIP R 2.2K J 1/16W		Q2			2SC4081	TRANSISTOR	
R320-322			RK73GB1J104J	CHIP R 100K J 1/16W		Q2			2SD1819A	TRANSISTOR	
R323			RK73FB2A102J	CHIP R 1.0K J 1/10W		Q3			2SC2412K	TRANSISTOR	
R324			RK73GB1J104J	CHIP R 100K J 1/16W		Q3			2SD601A	TRANSISTOR	
R325			RK73FB2A104J	CHIP R 100K J 1/10W		Q5			DTC144EUA	DIGITAL TRANSISTOR	
R326			RK73GB1J102J	CHIP R 1.0K J 1/16W		Q6			DTA123JK	DIGITAL TRANSISTOR	
R327,328			RK73GB1J104J	CHIP R 100K J 1/16W		Q9			2SB1188(R)	TRANSISTOR	
D1			RM10ZLF	DIODE		Q10			2SC4081(S)	TRANSISTOR	
D2			HZS7A3L	ZENER DIODE		Q11			2SC4081	TRANSISTOR	
D3			02CZ12-X	ZENER DIODE		Q11			2SD1819A	TRANSISTOR	
D4			02CZ6.8-Y	ZENER DIODE		Q12			DTB123YK	DIGITAL TRANSISTOR	
D5			DAN202U	DIODE		Q13			DTC124EUA	DIGITAL TRANSISTOR	
D5			MA142WK	DIODE		Q14			DTC114EUA	DIGITAL TRANSISTOR	
D6			02CZ6.2-X	ZENER DIODE		Q14			UN5211	DIGITAL TRANSISTOR	
D7-9			1SR154-400	DIODE		Q15			DTA114EUA	DIGITAL TRANSISTOR	
D10			DAN217	DIODE		Q15			UN5111	DIGITAL TRANSISTOR	
D11			DA227	DIODE		Q16			2SB1548(P)	TRANSISTOR	
D12,13			DAN217	DIODE		Q17			2SC4081	TRANSISTOR	
D14			02CZ8.2-Y	ZENER DIODE		Q17			2SD1819A	TRANSISTOR	
D15			02CZ5.1-Y	ZENER DIODE		Q22			DTC124EUA	DIGITAL TRANSISTOR	
						Q23			DTA124EUA	DIGITAL TRANSISTOR	

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SYNTHESIZER UNIT (X14-6770-XX)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
Q23			UN5112	DIGITAL TRANSISTOR	
Q24			2SB1548(P)	TRANSISTOR	
Q25			2SC4081	TRANSISTOR	
Q25			2SD1819A	TRANSISTOR	
Q26			DTC114EUA	DIGITAL TRANSISTOR	
Q26			UN5211	DIGITAL TRANSISTOR	
Q27			DTA114EUA	DIGITAL TRANSISTOR	
Q27			UN5111	DIGITAL TRANSISTOR	
Q28			2SB1416(Q,R)	TRANSISTOR	
Q29			2SC4081(S)	TRANSISTOR	
Q32			DTC124EK	DIGITAL TRANSISTOR	
Q32			UN2212	DIGITAL TRANSISTOR	
Q33			CPH3105	TRANSISTOR	
Q34			DTC124EUA	DIGITAL TRANSISTOR	
Q35			CPH3105	TRANSISTOR	
Q36			DTC144EUA	DIGITAL TRANSISTOR	
Q37			DTA144EUA	DIGITAL TRANSISTOR	
Q37			UN5113	DIGITAL TRANSISTOR	
Q38			DTC144EUA	DIGITAL TRANSISTOR	
Q41,42			2SD2114K	TRANSISTOR	
Q44-47			DTC143TUA	DIGITAL TRANSISTOR	
Q44-47			UN5216	DIGITAL TRANSISTOR	
Q48			DTC124EUA	DIGITAL TRANSISTOR	
Q49			DTC144EK	DIGITAL TRANSISTOR	
Q49			UN2213	DIGITAL TRANSISTOR	
Q50			DTC114YUA	DIGITAL TRANSISTOR	
Q51			DTA124EUA	DIGITAL TRANSISTOR	
Q51			UN5112	DIGITAL TRANSISTOR	
Q52			DTC114YK	DIGITAL TRANSISTOR	
Q52			UN2214	DIGITAL TRANSISTOR	
Q53-55			FMC2A	DIGITAL TRANSISTOR	
Q59			DTA114EUA	DIGITAL TRANSISTOR	
Q59			UN5111	DIGITAL TRANSISTOR	
Q60			DTC124EUA	DIGITAL TRANSISTOR	
TH1			PTH9C32BB471Q	POSITIVE RESISTOR	
A1			W02-3284-05	ELECTRIC CIRCUIT MODULE	
A2			W02-3119-15	FM/AM FRONT-END	
SUB CIRCUIT UNIT (X16-1400-20)					
D1,2			B30-1575-05	LED (1608,YG)	
D3			B30-1566-05	LED (1608,RED)	
CN1			E41-0131-05	FLAT CABLE CONNECTOR	
R1,2			RK73EB2B751J	CHIP R 750 J 1/8W	
R3			RK73EB2B821J	CHIP R 820 J 1/8W	
R4			RK73EB2B181J	CHIP R 180 J 1/8W	
R5			RK73EB2B271J	CHIP R 270 J 1/8W	
VR1			R32-0249-05	SEMI FIXED VARIABLE RESISTOR	
D4,5			DNP1102F(A,B)	INFRARED LED	
D8			DAP202U	DIODE	
PH1			PS1192F(C)	PHOTO TRANSISTOR	
SWITCH UNIT (X25-9100-20)					
D11-13			B30-1564-05	LED (1608,BLUE)	
D14			B30-1566-05	LED (1608,RED)	
D16,17			B30-1564-05	LED (1608,BLUE)	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
D18,19			B30-1566-05	LED (1608,RED)	
D21,22			B30-1564-05	LED (1608,BLUE)	
C11-13			CK73GB1H103K	CHIP C 0.010UF K	
C15,16			CK73GB1H103K	CHIP C 0.010UF K	
C18,19			CK73GB1H103K	CHIP C 0.010UF K	
C20			CK73FB1C105K	CHIP C 1.0UF K	
C25			CK73FB1C105K	CHIP C 1.0UF K	
C26			C92-1359-05	CHIP-TAN 10UF 16WV	
C27			CK73GB1C104K	CHIP C 0.10UF K	
C28			C92-1358-05	CHIP-TAN 2.2UF 16WV	
C29			CK73GB1H103K	CHIP C 0.010UF K	
C30-35			CK73GB1C104K	CHIP C 0.10UF K	
C36			C92-1430-05	CHIP C 22UF 16WV	
C37,38			CK73GB1C104K	CHIP C 0.10UF K	
C39			CK73GB1H103K	CHIP C 0.010UF K	
C40			C92-1359-05	CHIP-TAN 10UF 16WV	
C42			C92-1431-05	CHIP C 33UF 16WV	
C44			CK73GB1C104K	CHIP C 0.10UF K	
CN1			E40-9527-05	FLAT CABLE CONNECTOR	
L31			L40-4795-34	SMALL FIXED INDUCTOR	
X1			L78-0821-05	RESONATOR	
CP1-5			R90-1014-05	MULTI-COMP 100 X4	
CP6-9			R90-0720-05	MULTI-COMP 100K X4	
CP10,11			R90-0724-05	MULTI-COMP 1K X4	
CP12			R90-0748-05	MULTI-COMP 47K X4	
CP13			R90-1014-05	MULTI-COMP 100 X4	
CP15			R90-1014-05	MULTI-COMP 100 X4	
CP17			R90-1014-05	MULTI-COMP 100 X4	
CP20			R90-1014-05	MULTI-COMP 100 X4	
CP22			R90-1014-05	MULTI-COMP 100 X4	
CP24			R90-1014-05	MULTI-COMP 100 X4	
R11,12			RK73EB2B301J	CHIP R 300 J 1/8W	
R13			RK73EB2B361J	CHIP R 360 J 1/8W	
R14			RK73EB2B511J	CHIP R 510 J 1/8W	
R16,17			RK73EB2B361J	CHIP R 360 J 1/8W	
R18			RK73EB2B821J	CHIP R 820 J 1/8W	
R19			RK73EB2B511J	CHIP R 510 J 1/8W	
R20,21			RK73EB2B301J	CHIP R 300 J 1/8W	
R26			RK73GB1J222J	CHIP R 2.2K J 1/16W	
R27			RK73GB1J103J	CHIP R 10K J 1/16W	
R32			RK73GB1J101J	CHIP R 100 J 1/16W	
R37,38			RK73GB1J101J	CHIP R 100 J 1/16W	
R43-45			RK73GB1J101J	CHIP R 100 J 1/16W	
R51			RK73EB2B220J	CHIP R 22 J 1/8W	
R52			RK73EB2B473J	CHIP R 47K J 1/8W	
R53			RK73FB2A682J	CHIP R 6.8K J 1/10W	
R54			RK73GB1J101J	CHIP R 100 J 1/16W	
R57			RK73GB1J471J	CHIP R 470 J 1/16W	
R59			RK73GB1J471J	CHIP R 470 J 1/16W	
R60			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R61-63			RK73EB2B471J	CHIP R 470 J 1/8W	
R64			RK73EB2B101J	CHIP R 100 J 1/8W	

K : North America M : Other Areas

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PARTS LIST

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SWITCH UNIT (X25-9100-20)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R65			RK73EB2B471J	CHIP R 470 J 1/8W	
R66			RK73EB2B101J	CHIP R 100 J 1/8W	
R67			RK73EB2B102J	CHIP R 1.0K J 1/8W	
R68,69			RK73GB1J104J	CHIP R 100K J 1/16W	
R71			RK73GB1J473J	CHIP R 47K J 1/16W	
R80			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R81			RK73GB1J101J	CHIP R 100 J 1/16W	
R82,83			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R84,85			RK73EB2B471J	CHIP R 470 J 1/8W	
R86			RK73EB2B101J	CHIP R 100 J 1/8W	
R87,88			RK73GB1J104J	CHIP R 100K J 1/16W	
R89,90			RK73GB1J473J	CHIP R 47K J 1/16W	
R91,92			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R93			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R94			RK73GB1J473J	CHIP R 47K J 1/16W	
R95			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R96			RK73GB1J104J	CHIP R 100K J 1/16W	
R97,98			RK73GB1J473J	CHIP R 47K J 1/16W	
R99			RK73GB1J101J	CHIP R 100 J 1/16W	
R100,101			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R102			RK73GB1J101J	CHIP R 100 J 1/16W	
R103			RK73FB2A220J	CHIP R 22 J 1/10W	
R105			RK73GB1J473J	CHIP R 47K J 1/16W	
R106			RK73GB1J153J	CHIP R 15K J 1/16W	
R107			RK73EB2B471J	CHIP R 470 J 1/8W	
W1			R92-2052-05	CHIP R 0 J 1/10W	
W4			R92-2052-05	CHIP R 0 J 1/10W	
W6,7			R92-1252-05	CHIP R 0 OHM	
S1-7			S70-0871-05	TACT SWITCH	
S8-10			S70-0869-05	TACT SWITCH	
S11			S70-0871-05	TACT SWITCH	
S12			S70-0869-05	TACT SWITCH	
S13			S70-0871-05	TACT SWITCH	
S14-18			S70-0869-05	TACT SWITCH	
S19,20			S70-0871-05	TACT SWITCH	
S21-23			S70-0869-05	TACT SWITCH	
S25			S70-0869-05	TACT SWITCH	
D23			HZM6.8N(B2)	ZENER DIODE	
D24,25			HZM6.8WA	ZENER DIODE	
D26-31			DAN202U	DIODE	
ED2			CN1998M	FLUORESCENT INDICATOR TUBE	
IC2			BA033LBSG	ANALOGUE IC	
IC3			TC74HC4050AFT	MOS-IC	
IC4			M30805MG-214GP	MI-COM IC	
IC5			RS-171	ANALOGUE IC	
IC8			MX23C1610T10-1	MEMORY IC	
Q1			2SC4667	TRANSISTOR	
Q6			DTA124EUA	DIGITAL TRANSISTOR	
Q7			DTC144EUA	DIGITAL TRANSISTOR	
Q8			2SC4081(S)	TRANSISTOR	
Q9			DTC114YUA	DIGITAL TRANSISTOR	
Q10			DTA114YUA	DIGITAL TRANSISTOR	
Q11			DTC144EUA	DIGITAL TRANSISTOR	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
DOLBY UNIT (X30-3000-00)					
C1-4			CK73FB1H821K	CHIP C 820PF K	
C5,6			CK73FB1H123K	CHIP C 0.012UF K	
C7,8			CK73FB1C334K	CHIP C 0.33UF K	
C9,10			CK73FB1C104K	CHIP C 0.10UF K	
C11			CK73FB1H472K	CHIP C 4700PF K	
C12			CK73FB1H103K	CHIP C 0.010UF K	
C13			C90-2606-05	ELECTRO 0.47UF 50WV	
C14			C90-2935-05	ELECTRO 1.0UF 50WV	
C15			C90-5383-05	ALUMINIUM ELECTROLYTIC C.	
C16			CK73FB1C474K	CHIP C 0.47UF K	
C17			CK73FB1H393K	CHIP C 0.039UF K	
C18			C90-2597-05	ELECTRO 10UF 16WV	
C19			CE04CW1C470M	ELECTRO 47UF 16WV	
C20-23			CK73FB1H103K	CHIP C 0.010UF K	
C25			CK73FB1H103K	CHIP C 0.010UF K	
C26			CK73FB1C104K	CHIP C 0.10UF K	
C27,28			CE04CW1A330M	ELECTRO 33UF 10WV	
CN1		*	E41-0125-05	FLAT CABLE CONNECTOR	
CN2			E40-9705-05	PIN ASSY	
CN3			E40-3837-05	FLAT CABLE CONNECTOR	
CN4			E40-9736-05	PIN ASSY	
R1-4			RK73FB2A473J	CHIP R 47K J 1/10W	
R5,6			RK73FB2A151J	CHIP R 150 J 1/10W	
R7,8			RK73FB2A434J	CHIP R 430K J 1/10W	
R9,10			RK73FB2A183J	CHIP R 18K J 1/10W	
R11,12			RK73FB2A123J	CHIP R 12K J 1/10W	
R13			RK73FB2A183J	CHIP R 18K J 1/10W	
R14			RK73FB2A224J	CHIP R 220K J 1/10W	
R15,16			RK73FB2A473J	CHIP R 47K J 1/10W	
R17			RK73EB2B121J	CHIP R 120 J 1/8W	
R18			RK73FB2A223J	CHIP R 22K J 1/10W	
R20			RK73FB2A681J	CHIP R 680 J 1/10W	
R21,22			RK73FB2A103J	CHIP R 10K J 1/10W	
R23			RS14DB3A100J	FL-PROOF RS 10 J 1W	
R24			RK73FB2A101J	CHIP R 100 J 1/10W	
R25			RK73FB2A162J	CHIP R 1.6K J 1/10W	
R26			RK73FB2A333J	CHIP R 33K J 1/10W	
R27			RK73EB2B470J	CHIP R 47 J 1/8W	
VR1,2			R12-3100-05	TRIMMING POT. (10KΩ)	
W1			R92-2053-05	CHIP R 0 J 1/8W	
W2-4			R92-2052-05	CHIP R 0 J 1/10W	
W5-9			R92-2053-05	CHIP R 0 J 1/8W	
S1			S74-0809-05	MICRO SWITCH	
D1			AM01Z	DIODE	
D2			02CZ4.3-X	ZENER DIODE	
IC1			HA12216F	ANALOGUE IC	
IC2			LB1641	IC (MOTOR DRIVER)	
Q1			DTC144EK	DIGITAL TRANSISTOR	
Q2			DTA144EK	DIGITAL TRANSISTOR	
Q4			2SB1443	TRANSISTOR	
Q5			DTC114EK	DIGITAL TRANSISTOR	

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Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
CD PLAYER UNIT (X32-5030-01)					
C1,2			CK73FB1C105K	CHIP C 1.0UF K	
C3			CK73FB0J475K	CHIP C 4.7UF K	
C4			C92-0566-05	CHIP-TAN 10UF 6.3WV	
C5			CC73GCH1H150J	CHIP C 15PF J	
C6			CC73GCH1H020C	CHIP C 2.0PF C	
C7			CK73GB1C104K	CHIP C 0.10UF K	
C8			CK73FB1C105K	CHIP C 1.0UF K	
C10			CK73GB1H472K	CHIP C 4700PF K	
C11			CK73GB1H682K	CHIP C 6800PF K	
C12			CK73GB1H332K	CHIP C 3300PF K	
C13			CK73GB1C333K	CHIP C 0.033UF K	
C14			CK73GB1H472K	CHIP C 4700PF K	
C15			CK73GB1C473K	CHIP C 0.047UF K	
C16			CC73GCH1H151J	CHIP C 150PF J	
C17			CK73GB1H472K	CHIP C 4700PF K	
C18			CC73GCH1H221J	CHIP C 220PF J	
C19,20			CK73GB1C104K	CHIP C 0.10UF K	
C21			CK73FB0J475K	CHIP C 4.7UF K	
C23			CK73GB1H102K	CHIP C 1000PF K	
C24			CK73GB1E223K	CHIP C 0.022UF K	
C25			CK73GB1H153K	CHIP C 0.015UF K	
C26			CK73GB0J105K	CHIP C 1.0UF K	
C28			CK73GB0J105K	CHIP C 1.0UF K	
C29			CK73GB1C104K	CHIP C 0.10UF K	
C33-35			CK73GB1C104K	CHIP C 0.10UF K	
C41			CK73EB1C225K	CHIP C 2.2UF K	
C43			CK73GB1H153K	CHIP C 0.015UF K	
C45			CK73GB1H153K	CHIP C 0.015UF K	
C46			CK73GB1C473K	CHIP C 0.047UF K	
C51			CK73FB1C105K	CHIP C 1.0UF K	
C55			CK73GB1C104K	CHIP C 0.10UF K	
C63			C92-1359-05	CHIP-TAN 10UF 16WV	
C67,68			CK73GB0J105K	CHIP C 1.0UF K	
C71,72			CK73GB1H471K	CHIP C 470PF K	
C77,78			CC73GCH1H680J	CHIP C 68PF J	
C79,80			CK73GB1H222K	CHIP C 2200PF K	
C85			CK73GB1C104K	CHIP C 0.10UF K	
C89			CK73GB1H222K	CHIP C 2200PF K	
CN1			E40-9536-05	FLAT CABLE CONNECTOR	
CN2			E40-9339-05	FLAT CABLE CONNECTOR	
CN2			E41-0036-05	FLAT CABLE CONNECTOR	
CN2			E41-0129-05	FLAT CABLE CONNECTOR	
X1			L78-0572-05	RESONATOR (16.93MHZ)	
CP1-3			R90-1019-05	MULTI-COMP 100 X2	
R3			RK73GB1J272J	CHIP R 2.7K J 1/16W	
R5			RK73GB1J361J	CHIP R 360 J 1/16W	
R6			RK73GB1J272J	CHIP R 2.7K J 1/16W	
R8			RK73EB2B4R7J	CHIP R 4.7 J 1/8W	
R9			RK73EB2B100J	CHIP R 10 J 1/8W	
R10,11			RK73GB1J103J	CHIP R 10K J 1/16W	
R12			RK73GB1J912J	CHIP R 9.1K J 1/16W	
R15			RK73GB1J824J	CHIP R 820K J 1/16W	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
R16			RK73GB1J223J	CHIP R 22K J 1/16W	
R17			RK73GB1J433J	CHIP R 43K J 1/16W	
R18			RK73GB1J392J	CHIP R 3.9K J 1/16W	
R19			RK73GB1J513J	CHIP R 51K J 1/16W	
R20			RK73GB1J104J	CHIP R 100K J 1/16W	
R21			RK73GB1J244J	CHIP R 240K J 1/16W	
R32			RK73GB1J104J	CHIP R 100K J 1/16W	
R34			RK73GB1J683J	CHIP R 68K J 1/16W	
R36			RK73GB1J151J	CHIP R 150 J 1/16W	
R37			RK73GB1J471J	CHIP R 470 J 1/16W	
R38			RK73GB1J224J	CHIP R 220K J 1/16W	
R44			RK73GB1J512J	CHIP R 5.1K J 1/16W	
R45			RK73GB1J103J	CHIP R 10K J 1/16W	
R46			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R47			RK73GB1J103J	CHIP R 10K J 1/16W	
R49			RK73GB1J472J	CHIP R 4.7K J 1/16W	
R52			RK73GB1J104J	CHIP R 100K J 1/16W	
R54			RK73GB1J104J	CHIP R 100K J 1/16W	
R71			RK73GB1J103J	CHIP R 10K J 1/16W	
R72			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R73			RK73GB1J473J	CHIP R 47K J 1/16W	
R75			RK73GB1J333J	CHIP R 33K J 1/16W	
R76			RK73GB1J622J	CHIP R 6.2K J 1/16W	
R77			RK73GB1J563J	CHIP R 56K J 1/16W	
R78			RK73GB1J243J	CHIP R 24K J 1/16W	
R81			RK73GB1J333J	CHIP R 33K J 1/16W	
R82			RK73GB1J123J	CHIP R 12K J 1/16W	
R83			RK73GB1J102J	CHIP R 1.0K J 1/16W	
R101,102			RK73GB1J332J	CHIP R 3.3K J 1/16W	
R103,104			RK73GB1J562J	CHIP R 5.6K J 1/16W	
R107,108			RK73FB2A331J	CHIP R 330 J 1/10W	
R117,118			RK73FB2A203J	CHIP R 20K J 1/10W	
R121,122			RK73FB2A203J	CHIP R 20K J 1/10W	
R125,126			RK73FB2A203J	CHIP R 20K J 1/10W	
R202			RK73GB1J104J	CHIP R 100K J 1/16W	
R213			RK73GB1J104J	CHIP R 100K J 1/16W	
R218			RK73GB1J473J	CHIP R 47K J 1/16W	
R233			RK73GB1J622J	CHIP R 6.2K J 1/16W	
R234			RK73GB1J103J	CHIP R 10K J 1/16W	
W17			R92-2053-05	CHIP R 0 J 1/8W	
S1,2			S68-0838-05	PUSH SWITCH	
S3			S68-0859-05	PUSH SWITCH	
D1,2			DAN202U	DIODE	
D3			DA204U	DIODE	
D4			DAN202U	DIODE	
IC1			AN22000AA	ANALOGUE IC	
IC2			MN662773KF1	MOS-IC	
IC4			BA5917AFP	ANALOGUE IC	
IC5			TA78L05F	IC (VOLTAGE REGULATOR/ +5V)	
IC6			NJM4565MD	IC (OP AMP X2)	
Q1			MCH6101	TRANSISTOR	
Q2			DTC124EUA	DIGITAL TRANSISTOR	
Q3,4			2SA1362(Y)	TRANSISTOR	
Q5			DTC124EUA	DIGITAL TRANSISTOR	

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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
DISPLAY ASSY (X90-3620-XX)						CD MECHANISM ASSY (X92-4100-01)					
302	3G		A21-4127-02	DRESSING PANEL		1	2A		A10-4482-01	CHASSIS	
303	3G	*	A21-4131-11	DRESSING PANEL	M	2	1B		A10-4225-33	CHASSIS CALKING ASSY	
303	3G	*	A21-4159-11	DRESSING PANEL	K	3	2B		A11-0915-43	SUB CHASSIS CALKING ASSY	
304	3G	*	A21-4136-12	DRESSING PANEL	M						
304	3G	*	A21-4160-12	DRESSING PANEL	K	6	2A		D10-4306-04	ARM ASSY	
306	1H	*	A46-1735-12	REAR COVER ASSY		7	2A		D10-4305-04	ARM ASSY	
PA1	3G	*	A64-2427-21	PANEL ASSY	M	8	3A		D10-3087-44	ARM ASSY	
PA1	3G	*	A64-2468-21	PANEL ASSY	K	9	3B		D10-3092-03	SLIDER	
						10	3B		D10-3093-04	SLIDER ASSY	
313	3H		B10-4083-03	FRONT GLASS		11	2B		D10-3095-04	SLIDER ASSY	
314	3G	*	B10-4088-11	FRONT GLASS		12	2B		D10-3096-04	SLIDER ASSY	
315	2H		B10-4089-03	FRONT GLASS		13	1A		D10-3099-24	SLIDER ASSY	
317	2H		B19-2119-03	LIGHTING BOARD		14	1A		D10-3100-04	SLIDER ASSY	
318	2H		B19-2120-03	LIGHTING BOARD		16	1B		D10-4004-04	LEVER ASSY	
319	2H		B19-2121-03	LIGHTING BOARD		17	1B		D10-4006-04	LEVER	
320	3G		B43-1284-04	BADGE		18	1A		D10-4007-04	LEVER	
						19	2B		D10-4008-14	LEVER	
322	1H		D14-0761-04	ROLLER		20	2A		D10-4009-23	ARM	
323	1G		D14-0762-04	ROLLER		21	3A		D10-4010-04	LEVER	
324	2H		E29-1854-04	LEAD PLATE		22	3A		D10-4307-04	LEVER ASSY	
329	1G		F12-0743-13	SHIELDING SHEET		24	3B		D10-4050-04	ARM	
332	1H		G11-1947-14	CUSHION		25	3A		D10-4038-23	ARM ASSY	
337	1H		G11-1945-04	CUSHION		26	2A		D10-4123-24	LEVER ASSY	
						27	3A		D13-1442-03	RACK (GEAR)	
339	1H		J21-9742-03	MOUNTING HARDWARE ASSY		29	3B		D13-1231-04	GEAR	
351	2H		K24-3777-03	KNOB SRC		30	3A		D13-1240-04	GEAR	
352	2H		K24-3778-03	KNOB CDEJ		31	3B		D13-1233-04	GEAR	
353	2H		K24-3779-03	KNOB CAEJ		32	3B		D13-1234-14	GEAR ASSY	
354	2H		K24-3780-03	KNOB UP	M	33	3A		D13-1441-03	GEAR	
354	2H		K24-3788-03	KNOB UP	K	34	3B		D13-1232-04	GEAR	
356	2H		K24-3781-03	KNOB DW	M	35	3B		D13-1241-04	GEAR	
356	2H		K24-3789-03	KNOB DW	K	36	3A		D13-1242-04	GEAR	
358	2H		K24-3782-03	KNOB FM	M	37	1B		D13-1243-04	GEAR	
358	2H		K24-3790-03	KNOB FM	K	38	1B		D13-1244-04	GEAR	
360	2H		K24-3783-03	KNOB AM	M	39	1B		D13-1245-14	GEAR	
360	2H		K24-3791-03	KNOB AM	K	40	2A		D13-1246-04	GEAR	
363	2H	*	K24-3776-13	KNOB DISP		41	2B		D13-1247-04	GEAR	
364	2H		K25-1329-03	KNOB 1-6		43	2B		D13-1249-04	GEAR ASSY	
365	2H		K25-1331-03	KNOB SEEK		44	2B		D13-1341-04	GEAR ASSY (LEAD SCREW)	
366	2H	*	K25-1351-13	KNOB ATT	M	45	1B		D14-0668-04	ROLLER	
366	2H	*	K25-1366-13	KNOB ATT	K	46	2A		D14-0670-04	ROLLER	
367	2H	*	K25-1353-13	KNOB ANG	M	47	3B		D14-0674-04	ROLLER	
367	2H	*	K25-1367-13	KNOB ANG	K	49	3A		D21-2228-14	SHAFT	
368	2H	*	K25-1358-13	KNOB EQ		50	1A		D21-2229-04	SHAFT	
A	1H		N09-4465-05	STEPPED SCREW		51	1A		D23-0925-24	RETAINER	
B	1G		N09-4466-05	STEPPED SCREW		52	2A		D32-0614-04	STOPPER	
C	1H		N09-4467-05	MACHINE SCREW		53	1B		D39-0223-05	DAMPER (YELLOW)	
H	2H		N80-2006-46	PAN HEAD TAPTITE SCREW		54	2B		D39-0224-05	DAMPER (BLACK)	
J	2H		N80-2008-45	PAN HEAD TAPTITE SCREW		60	2A		G01-2770-04	EXTENSION SPRING	
K	1H		N80-2010-46	PAN HEAD TAPTITE SCREW		61	3A		G01-2771-04	EXTENSION SPRING	
						62	3A		G01-2772-24	EXTENSION SPRING	
						63	3A		G01-2773-14	EXTENSION SPRING	
						64	3A		G01-2774-34	EXTENSION SPRING	

K : North America M : Other Areas

△ Indicates safety critical components.

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.

CD MECHANISM ASSY (X92-4100-01)

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
65	1B		G01-2775-04	TORSION COIL SPRING	
66	1B		G01-2776-14	TORSION COIL SPRING	
67	3B		G01-2777-24	TORSION COIL SPRING	
69	2A		G01-2844-04	EXTENSION SPRING	
70	2A		G02-1231-04	FLAT SPRING	
71	2B		G02-1232-24	FLAT SPRING	
72	2A		G02-1241-24	FLAT SPRING	
75	2A		J11-0613-13	CLAMPER	
76	3A		J19-4678-13	HOLDER	
77	2B		J19-4679-24	HOLDER	
78	3B		J21-7684-13	MOUNTING HARDWARE	
79	2B		J21-7686-13	MOUNTING HARDWARE	
80	1B		J21-7690-03	MOUNTING HARDWARE	
82	3A	*	J84-0107-05	FLEXIBLE PRINTED WIRING BOARD	
83	1A		J90-0757-22	GUIDE	
A	2A		N09-4249-05	MACHINE SCREW (M1.7X2.5,LOCK)	
B	1B		N09-4172-05	TAPPING SCREW (2X3.5,CTITE)	
C	2B		N09-4202-05	STEPPED SCREW	
D	2A		N38-2020-46	PAN HEAD MACHIN SCREW	
E	3A		N09-4294-05	TAPTITE SCREW (BIND P TAPTIT)	
F	3B		N19-2023-04	FLAT WASHER	
G	2A		N19-2058-04	FLAT WASHER	
H	3A		N19-2093-04	FLAT WASHER	
J	2A		N39-2020-46	PAN HEAD MACHIN SCREW	
DM1	3B		T42-0764-04	DC MOTOR ASSY	
DM2	3B		T42-0763-04	DC MOTOR ASSY	
DPU1	2B	*	T25-0215-05	OPTICAL PICKUP HEAD	

PANEL MECHANISM ASSY (D40-1131-35)

601	3D		A10-4678-08	CHASSIS ASSY	
602	3C		A11-0983-08	SUB SHASSIS	
603	2D		D13-2057-08	GEAR ASSY	
604	2D		D10-4455-08	ARM ASSY	
606	1C		J21-9501-08	BRACKET	
607	2D		J21-9502-08	BRACKET	
608	2C		D13-2058-08	GEAR ASSY	
609	2C		D13-2059-08	GEAR ASSY	
611	3D		G16-1138-08	SHEET	
612	2C		J90-0955-08	RAIL	
613	2D		G02-1334-08	FLAT SPRING	
614	3D		D10-4397-08	ARM	
615	3D		G09-2028-08	FLAT SPRING	
616	2C		D13-2020-08	GEAR	
617	2D		J90-0956-08	GUIDE	
618	3D		J19-4964-08	HOLDER	
619	3D		J19-4965-18	HOLDER	
620	2D		D13-1421-08	GEAR	
621	2C		D13-2021-08	GEAR	
622	2D		D13-2024-08	GEAR	
623	2C		D13-2025-08	GEAR	
624	2D		D13-2026-08	GEAR	
625	2D		J30-1062-08	COLLER	
626	3D		J30-1063-08	COLLER	
627	1C		E39-0325-08	CORD WITH CONNECTOR	

Ref. No.	A d d	N e w	Parts No.	Description	Desti- nation
630	2C		G01-2991-08	SPRING	
631	2C		G01-2992-08	SPRING	
632	2C		G01-2993-08	SPRING	
633	3C		G01-2994-08	SPRING	
634	3C		G01-2936-08	SPRING	
635	3D		J90-0957-08	CUSHION	
H	2C		N29-0516-08	WASHER	
J	3D		N29-0517-08	WASHER	
K	2D		N19-1135-08	WASHER	
L	2C		N19-2143-08	WASHER	
A	3D		N09-4343-08	SCREW	
B	2C		N09-4303-08	SCREW	
C	2C		N09-4341-08	SCREW	
D	3D		N09-4358-08	SCREW	
E	2C		N38-2025-45	SCREW	
F	3D		N38-2630-45	SCREW	
G	2C		N32-2604-46	SCREW	
PM1	1C		T42-1012-08	MOTOR ASSY	
PS1	2C		S68-0835-08	SWITCH	
VR1	3D		R33-0204-08	VARIABLE RESISTOR	

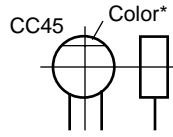
K : North America M : Other Areas

△ Indicates safety critical components.

PARTS LIST

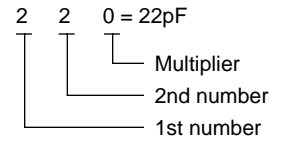
CAPACITORS CC 45 TH 1H 220 J
 1 2 3 4 5 6

- 1 = Type ... ceramic, electrolytic, etc.
- 2 = Shape ... round, square, ect.
- 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



• 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

2nd word \ 1st 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	3150	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 capacitors)

Dimension 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

RESISTORS

• Chip resistor (Carbon)

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

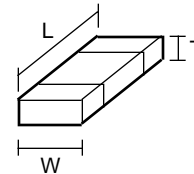
(Chip) (B,F)

• Carbon resistor (Normal type)

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

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

Dimension



Dimension (Chip resistor)

Dimension 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

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		

DPX-6020

SPECIFICATIONS

M type

FM Section

Frequency Range	87.5MHz~108.0MHz (50kHz)
(Frequency Step)	87.9MHz~107.9MHz (200kHz)
Channel Space Selection	50kHz/200kHz
Usable Sensitivity (S/N : 30dB)	9.3dBf (0.8 μ v/75 Ω)
Quieting Sensitivity (S/N : 50dB)	15.2dBf (1.6 μ v/75 Ω)
Frequency Response (\pm 3.0dB)	30Hz~15kHz
S/N (dB)	70dB (MONO)
Selectivity	\geq 80dB (\pm 400kHz)
Stereo Separation	40dB (1kHz)

AM Section

Frequency Range	531kHz~1611kHz (9kHz)
(Frequency Step)	530kHz~1700kHz (10kHz)
Channel Space Selection	9kHz/10kHz
Usable Sensitivity (S/N : 20dB)	28dB μ (25 μ v)

CASSETTE Section

Tape Speed	4.76cm/sec.
Wow & Flutter	0.08% (WRMS)
Frequency Response (\pm 3.0dB)	25Hz~22kHz (70 μ s)
Stereo Separation	40dB (1kHz)
S/N Ratio	Dolby NR off 60dB (BNR off)
	Dolby BNR on 68dB

CD Section

Laser Diode	GaAlAs (l = 780nm)
Digital Filter (D/A)	8 Times Over Sampling
D/A Converter	1 Bit
Spindle Speed	500~200rpm (CLV)
Wow & Flutter	Below Measurable Limit
Frequency Response	10Hz~20kHz (\pm 1dB)
Total Harmonic Distortion	0.01% (1kHz)
S/N Ratio	93dB (1kHz)
Dynamic Range	93dB
Channel Separation	85dB

AMPLIFIER Section

Maximum Power	47w x 4
Full Bandwidth Power	22w x 4 (at less than 1% THD)
Preout Level	1500mv/10k Ω
Preout Impedance	\leq 600 Ω

DSP/EQ Section

A/D Converter	3D 20-bit DS System
	128 Times Over Sampling
D/A Converter	3D 20-bit DS System
	128 Times Over Sampling
Equalizer Frequency (Hz)	60/120/250/500/1k/2k/4k/8k/16k
Adjustable Range	\pm 12dB (\pm 6 Steps)

GENERAL

Operating Voltage	14.4v (11v~16v allowable)
Current Consumption	10A
Installation Size (Width)	178mm (7 inch)
(Height)	100mm (3-15/16 inch)
(Depth)	155mm (6-1/8 inch)
Weight	3.1kg (6.8 lbs)

K type

FM Section

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

AM Section

Frequency Range	530kHz~1700kHz
(Frequency Step)	(10kHz)
Channel Space Selection	—
Usable Sensitivity (S/N : 20dB)	28dB μ (25 μ v)

CASSETTE Section

Tape Speed	4.76cm/sec.
Wow & Flutter	0.08% (WRMS)
Frequency Response (\pm 3.0dB)	25Hz~22kHz (70 μ s)
Stereo Separation	40dB (1kHz)
S/N Ratio	Dolby NR off 60dB (BNR off)
	Dolby BNR on 68dB

CD Section

Laser Diode	GaAlAs (l = 780nm)
Digital Filter (D/A)	8 Times Over Sampling
D/A Converter	1 Bit
Spindle Speed	500~200rpm (CLV)
Wow & Flutter	Below Measurable Limit
Frequency Response	10Hz~20kHz (\pm 1dB)
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Dynamic Range	93dB
Channel Separation	85dB

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Maximum Power	47w x 4
Full Bandwidth Power	22w x 4 (at less than 1% THD)
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DSP/EQ Section

A/D Converter	3D 20-bit DS System
	128 Times Over Sampling
D/A Converter	3D 20-bit DS System
	128 Times Over Sampling
Equalizer Frequency (Hz)	60/120/250/500/1k/2k/4k/8k/16k
Adjustable Range	\pm 12dB (\pm 6 Steps)

GENERAL

Operating Voltage	14.4v (11v~16v allowable)
Current Consumption	10A
Installation Size (Width)	178mm (7 inch)
(Height)	100mm (3-15/16 inch)
(Depth)	155mm (6-1/8 inch)
Weight	3.1kg (6.8 lbs)

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

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