2DIN CD RECEIVER

DPX701/701U/701UY
DPX-MP7090U

SERVICE MANUAL

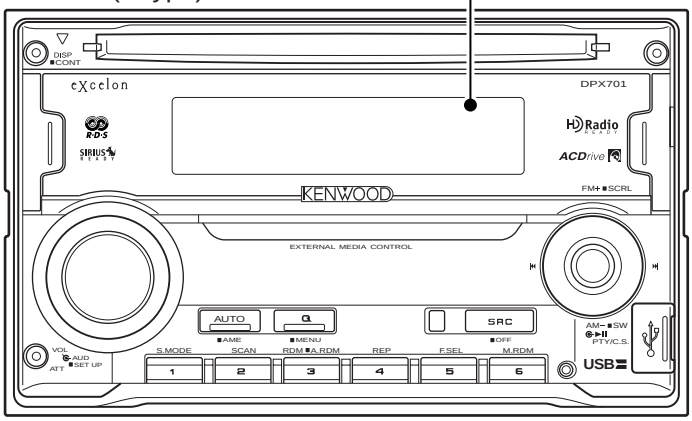
KENWOOD

Kenwood Corporation

B53-0399-00 (N) 960

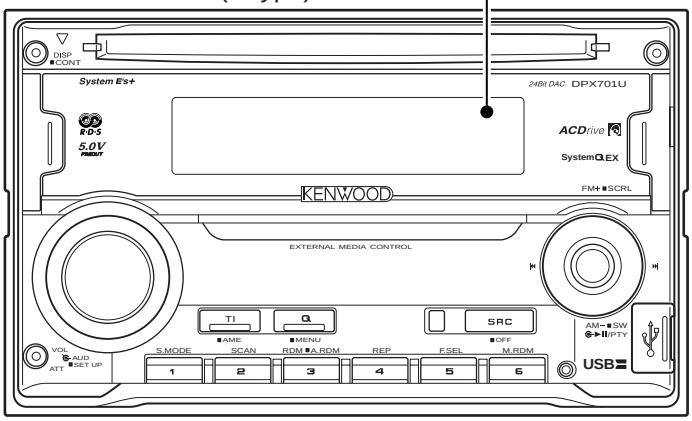
DPX701 (K type)

Panel assy (A64-3813-02)



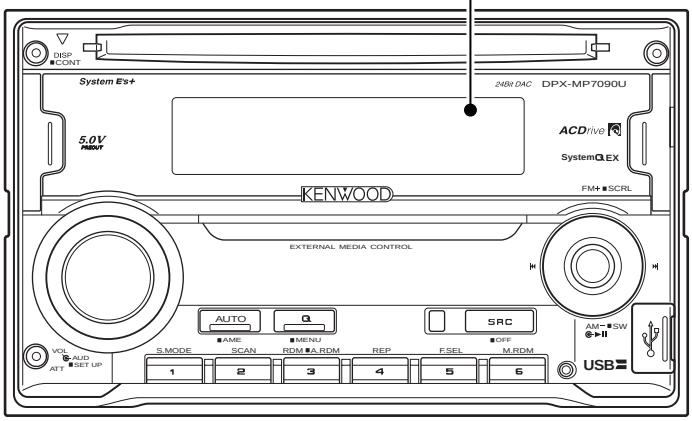
DPX701U/701UY (E type)

Panel assy (A64-3870-02)

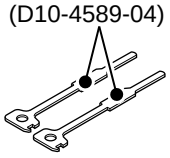


DPX-MP7090U (M type)

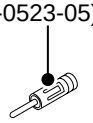
Panel assy (A64-3816-02)



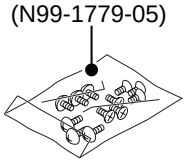
Lever (K,E type)
(D10-4589-04) x2



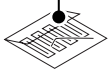
Antenna adaptor (E type)
(T90-0523-05)



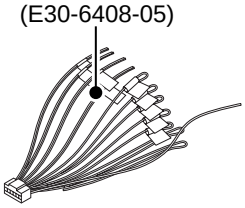
Screw set (K,M type)
(N99-1779-05)



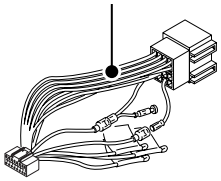
Adhesive double-coated tape (K,E type)
(H30-0595-04)



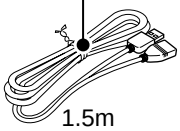
DC cord (K,M type)
(E30-6408-05)



DC cord (E type)
(E30-6412-05)

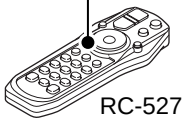


Cord with connector(USB)
(E30-6535-05)



1.5m

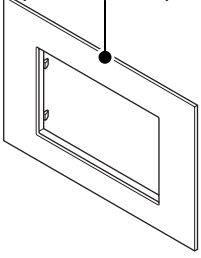
Remote controller assy
(A70-2067-15)



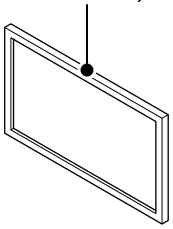
RC-527

SIZE AA BATTERY
(Not supplied)

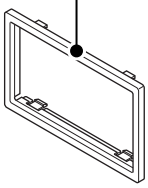
Escutcheon (K,E type)
(B07-3172-12)



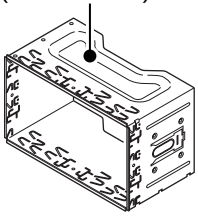
Escutcheon (M type)
(B07-3046-04)



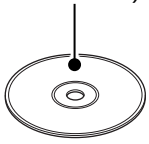
Escutcheon (K,E type)
(B07-3165-02)



Mounting hardware assy (K,E type)
(J22-0429-13)



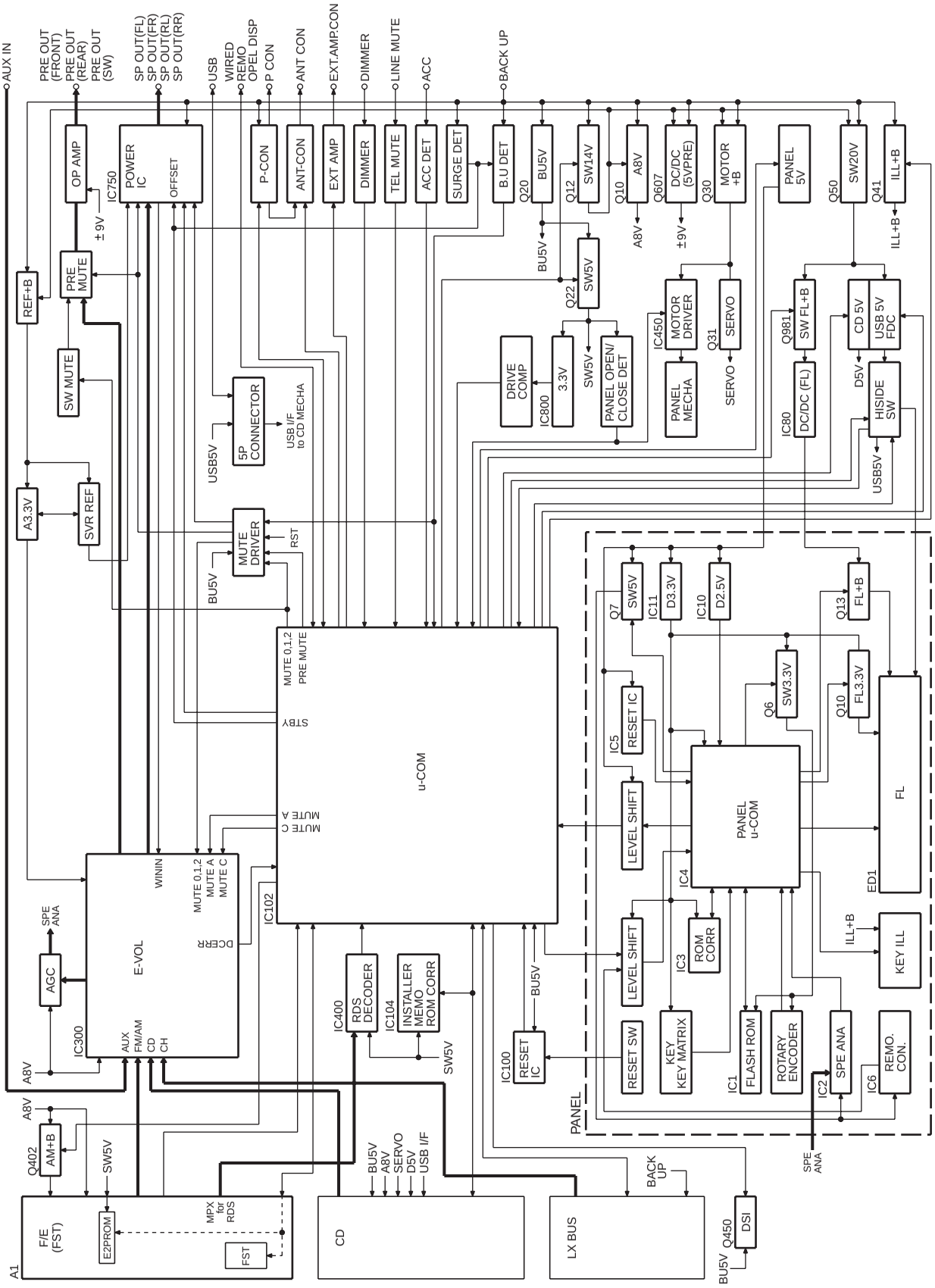
Compact disc
(W01-1673-05):(K,M type)
(W01-1674-05):(E type)



This product uses Lead Free solder.

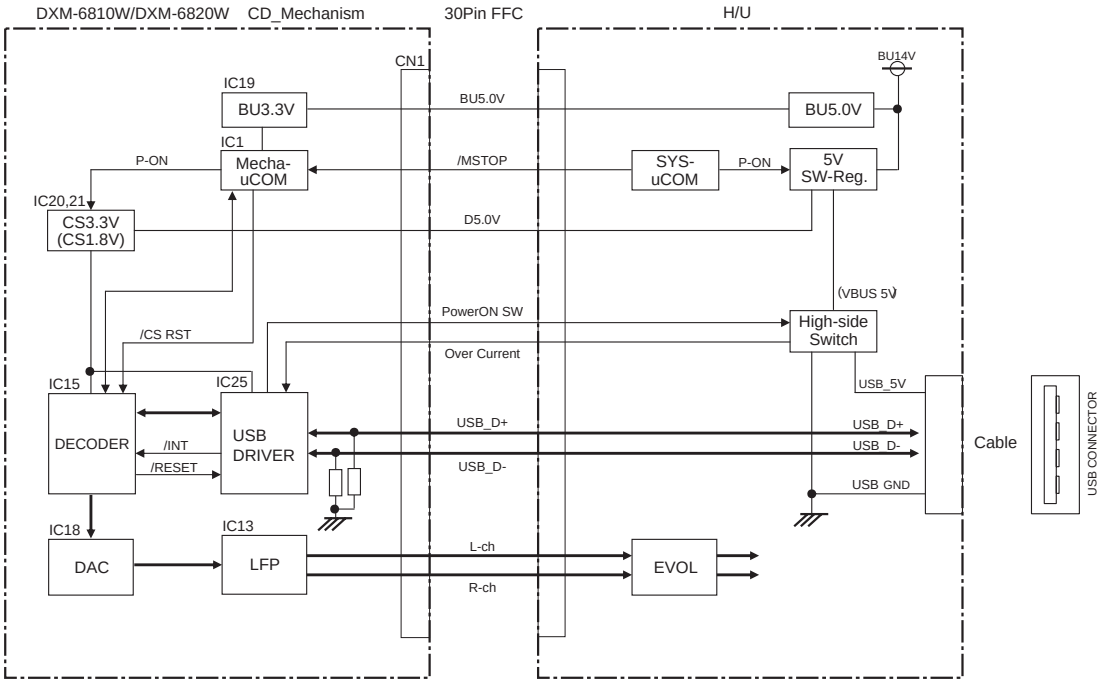
BLOCK DIAGRAM

● **Complete view**

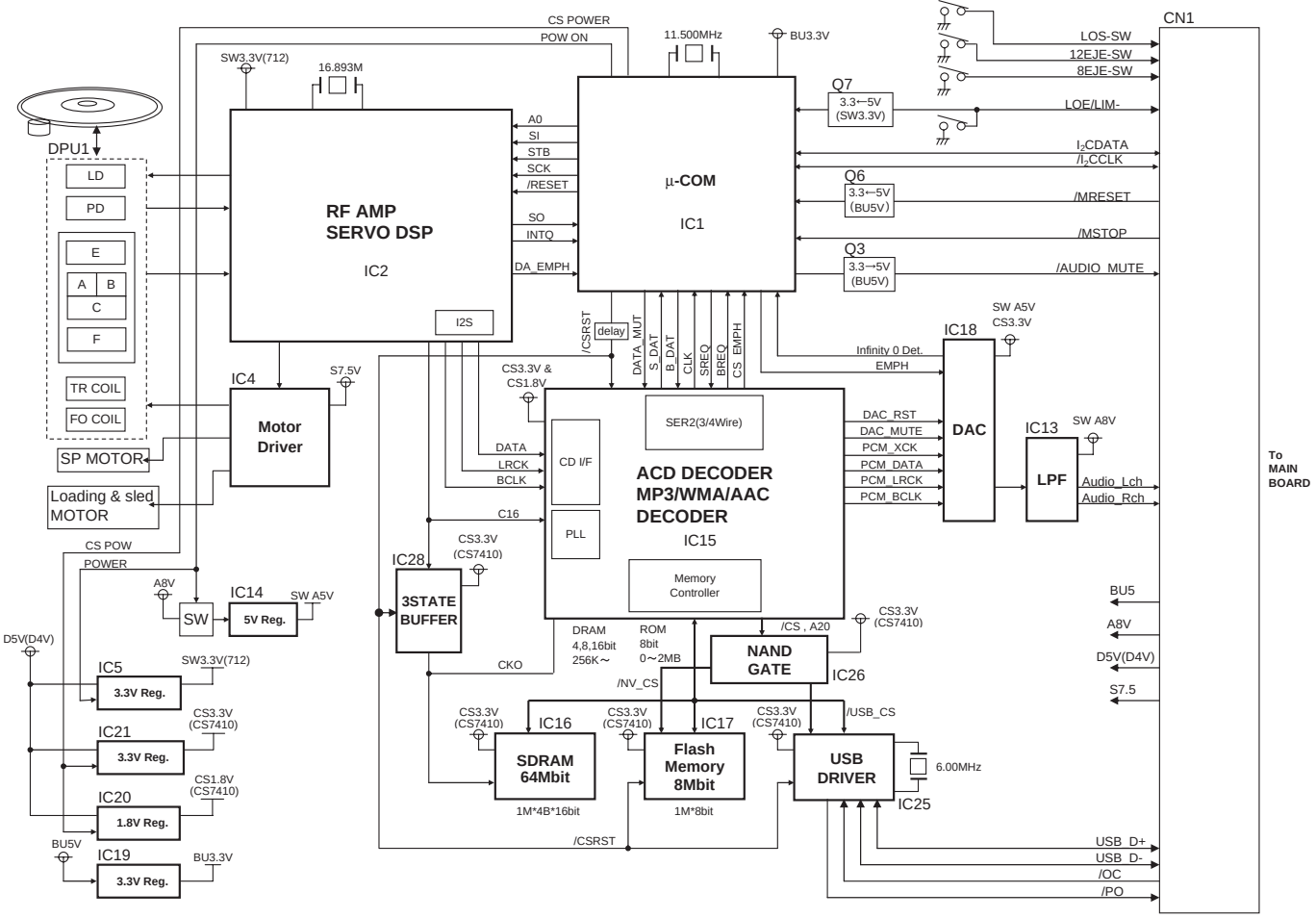


BLOCK DIAGRAM

● AC Drive + USB Mechanism unit



● CD player unit (X32-587)



COMPONENTS DESCRIPTION

● ELECTRIC UNIT (X34-413x-xx)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC10	Audio8V Ref Power Supply	Output 1.27V.
IC80	Switching Regulator	Power supply for VFD. (57V)
IC100	Reset IC	“L” when detection voltage goes below 3.6V or less.
IC102	System μ-com	Controls FM/AM tuner, the changer, CD/USB mechanism, Panel, volume and tone.
IC103	Muting logic IC	Controls logic for muting.
IC104	EEPROM	For installer’s memory.
IC200	Power Control IC	Power control switch.
IC300	Eelectrical Volume & Source Selecter	Controls the source, volume, and tone.
IC400	RDS decoder	
IC451	G-Analyzer	Analog gravity sensor.
IC500	Spectrum analyzer Buffer AMP & AGC	It is buffer and auto gain control for spectrum analyzer.
IC600	±9V AVR	Power supply for 5V Pre Out OP-AMP.
IC601~603	5V Pre-out AMP	Output buffer and gain control.
IC750	Power IC	Amplifies the front L/R and the rear L/R to 50W maximum.
IC800	Audio3.3V Ref Supply SVR6.8V Ref Supply	Audio3.3V Ref supply to electrical volume and all low pass filters. SVR6.8V Ref supply to power IC.
IC901	Switching Regulator Controller	Power Supply for VFD USB5V & Mecha digital. CH1: VFD & USB5V (4.7V), CH2: Mecha digital (DXM-680*: 5V)
IC951	Power control IC	USB power control switches with over current detection and protection.
Q10,11	Audio8V AVR	When Q11’s 2 pin goes Hi, A8V AVR outputs 8.0V.
Q12	SW14V	When Q12’s 2 pin goes Hi, SW14V outputs 14V.
Q20,21	B.U.5V AVR	While BU is applied, BU5V AVR outputs +5V.
Q22,23	SW5V	When Q23’s base goes Hi, SW5V outputs +5V.
Q30,32	Servo+B AVR	When Q32’s base goes Hi, Servo+B AVR outputs 8.5V.
Q34	SW14V	When Q12’s 2 pin goes Hi, SW14V outputs 14V.
Q40,42,45	Panel5V AVR	When Q42’s 2 pin goes Hi, Panel5V AVR outputs 5V.
Q41,43,44	Illumination AVR	When Q43’s 2 pin goes Hi, Ill AVR outputs 10.5V.
Q50~52	SW16V (Surge Protection)	When Q51’s 2 pin goes Hi, SW16V outputs (BU-0.6)V.
Q201	Pre-out mute driver	When a base gose Lo, mute driver is turned on.
Q202	Acc Detect SW	When Q202’s base gose Hi, Acc voltage is detected.
Q204	Surge Detect SW	When Q204’s base goes Hi, Surge voltage is detected.
Q205	B.U Detected SW	When Q35’s base gose Hi, B.U voltage is detected.
Q206	Ext Amp Control Buffer	It is buffer for IC102 output.
Q207	Small-lamp Detect SW	When Q207’s base goes Hi, Small-lamp is detected.
Q208,209	Power Antenna SW	When Q206’s base goes Hi, power antenna switch outputs 14V.
Q210	Pre-out mute driver	When a base gose Lo, mute driver is turned on.
Q402,403	AM+B SW	When Q403’s base gose Hi, AM+B is outputs.
Q500	Spectrum analyzer AGC Controller	When this circuit has an excessive input, a return is hung and an output is reduced.
Q600~602	Pre-Amp +9V AVR	Q600 and 602 works as a differential amplifier, Q601 works as a driver and +9.4V is supplied to OP Amp for Pre-out.
Q603~605	Pre-Amp -9V AVR	Q603 and 605 works as a differential amplifier, Q604 works as a driver and -9.1V is supplied to OP Amp for Pre-out.

COMPONENTS DESCRIPTION

Ref. No.	Application / Function	Operation / Condition / Compatibility
Q606,607	AUDIO 10.5V AVR	When Q606's base goes Hi, AVR outputs 10.5V.
Q608~615	Pre-out mute SW	When a base gose Hi, Pre-out is set to mute.
Q800,802	REF+B AVR	When Q800's base goes Hi, AVR outputs 13V.
Q801	SVR6.8V Ref Supply AGC Controller	When the voltage of B.U voltage falls, a return is hung and an output is reduced.
Q901	VFD & USB5V AVR SW	When base goes Hi, VFD & USB5V AVR on.
Q902	Mecha digital AVR SW	When base goes Hi, Mecha digital AVR on. (DXM-680*: 5V)
Q903	Switching Regulator frequency control SW (IC901)	2pin / 1pin: L: L 430kHz, H 600kHz; H: L 650kHz, H 820kHz
Q981~983	SW16V (Surge Protection)	When Q983's 2 pin goes Hi, SW16V outputs (BU-0.6)V.

● SWITCH UNIT (X16-352x-xx)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC1	ROM IC, Flash ROM IC	Graphics data included.
IC2	Spectrum analyzer IC	6ch band pass filter.
IC4	Panel μ-com	
IC6	Remote control IC	Remote control receiver.
IC7	Buffer IC	It is change into 3.3V from 5V.
IC8	Buffer IC	It is change into 5V from 3.3V.
IC9	Buffer IC	For Control ED1.
IC10	2.5V regulator	The power supply For 2.5V.
IC11	3.3V regulator	The power supply For 3.3V.
Q1	Triangle green LED SW	Triangle green LED is lighting when Q1's base level goes "H".
Q2	Triangle red LED SW	Triangle red LED is lighting when Q2's base level goes "H".
Q3	Key LED SW	Key LED are lighting when Q3's base level goes "H".
Q4,5	Front galss SW	Front glass LED are lighting when Q5's base level goes "H".
Q6	SW3.3V SW	SW3.3V the power supply of IC1,3 is turned on when Q6's base level goes "L".
Q7,8	SW5V SW	SW5V the power supply of IC2,6 is turned on when Q8's base level goes "H".
Q9,10	FL3.3V SW	FL+3.3V (VDD1) is turned on when Q9's base level goes "H".
Q11,13	FL+B SW	FL+B (VDD2) is turned on when Q11's base level goes "H".
Q12	FL BLK SW	ED1 is lighted on when Q7's base level goes "H".
Q14	PAN RST	IC4 is reset when Q14's base level goes "H".

● CD PLAYER UNIT (X32-5870-00)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC1	Mechanism μ-com	
IC2	Signal Processor	
IC4	BTL Driver	Spindel motor, sled (including loading & eject) motor and pick-up actuator
IC5	SW3.3V Regulator	3.3V power supply for IC2, pick-up, IC18 digital part
IC13	Audio Active Filter	2nd LPF
IC14	A5V Regulator	3.3V power supply for DAC

COMPONENTS DESCRIPTION

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC15	DSP for Compression Audio Decoder	ACDrive decoder, MP3/WMA/AAC decoder
IC16	Compression Audio Codec SDRAM	
IC17	Decoder Software & Unique ID Strage Flash ROM	
IC18	Audio D-A Converter (24-bit external)	External 24-bit for audio
IC19	BU3.3V Regulator	3.3V power supply for μ-com
IC20	1.8V Regulator	1.8V power supply for IC15 core part
IC21	Decoder/SDRAM/Flash ROM/ USB Driver 3.3V Regulator	Power supply for decoder, SDRAM, flash ROM and USB driver. 3.3V power supply for IC15 port parts, IC16, IC17, IC25, IC26 and IC28.
IC25	USB Host Controller	
IC26	Switching among IC15 & Flash ROM & SDRAM & USB	For DSP for Compression Audio Decoder, Flash ROM, SDRAM and USB
IC28	Clock SW	To SDRAM
Q3	Level Shift 3.3V→5V	
Q6,7	Level Shift 3.3V→5V	
Q8	APC (Auto Power Control)	
Q9,10	Anticipation Sub-beam Delay	During non-searching
Q16	Logic Inverter	μ-com “ZERO” terminal
Q17	USB Hi-side SW	
Q18	Logic Inverter	For DACMUTE terminal
D2	Static Electricity Countermeasure	For IC2 built-in reset terminal
D3	Laser Diode Protection	
D9	Static Electricity Countermeasure	

MICROCOMPUTER’S TERMINAL DESCRIPTION

● SYSTEM MICROCOMPUTER: 30625MGPA87GP (X34: IC102)

Pin No.	Pin Name	Module	I/O	Application	Truth value table	Processing Operation Description
1	VREF	μCOM	-	A/D analog reference voltage		
2	AVCC	μCOM	-			
3	LX_DATA_S	LX_M	I	Data from slave unit		
4	LX_DATA_M	LX_M	O	Data to slave unit		
5	LX_CLK	LX_M	I/O	LX BUS clock		
6	WIRED_REMO	EXTRA	I	External display remote control input		
6	NC		O	Not used when no WIRED_REMO		Output L fixed
7	LX_MUTE	LX_M	I	MUTE request from slave unit		H: Mute ON, L: Mute OFF
8	AUD_SDA	AUDIO	O	E-VOL data output terminal		SPI communication
9	AUD_SEL	AUDIO	O	E-VOL control terminal		SPI communication
10	AUD_SCL	AUDIO	O	E-VOL clock output terminal		SPI communication

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	Module	I/O	Application	Truth value table	Processing Operation Description
11,12	NC		O	Not used		Output L fixed
13	BYTE	µCOM	-			
14	CNVSS	µCOM	-			
15	XCIN	µCOM	I			32768kHz
16	XCOUT	µCOM	I			32768kHz
17	RESET	µCOM	I			
18	XOUT	µCOM	-			12MHz
19	VSS	µCOM	-			
20	XIN	µCOM	-			12MHz
21	VCC1	µCOM	-			
22	NMI	µCOM	I	Not used		
23	PANRST	µCOM	I/O	PANRST control		H: RST, Hi-Z: RST off
24	RDS_CLK	TUNER	I	RDS decoder CLK input terminal		
24	NC		O	Not used		L-output for models without RDS/RBDS
25	LX_REQ_S	LX_M	I	Communication request from slave unit		
26	PON_AM	Power supply	I/O	AM power supply control		H: When AM, Hi-Z: When not AM
27	LX_REQ_M	LX_M	O	Communication request to the slave unit		
28	TUN_IFC_OUT	TUNER	I	F/E IFC OUT input terminal		H: Station found, L: Station not found
29	NC		O	Not used		Output L fixed
30	RDS_AFS_M	TUNER	I/O	Switching constant when noise detected	④	Refer to the truth value table
30	NC		O	Not used in models without RDS/RBDS		Output L fixed
31	RDS_QUAL	TUNER	I	RDS decoder QUAL input terminal		
31	NC		O	Not used in models without RDS/RBDS		L-output for models without RDS/RBDS
32	RDS_DATA	TUNER	I	RDS decoder DATA input terminal		
32	NC		O	Not used in models without RDS/RBDS		L-output for models without RDS/RBDS
33	PWIC_BEEP	PWIC	O	Beep output		
34	TUN_SCL	TUNER	I/O	F/E I2C clock input/output terminal		
35	TUN_SDA	TUNER	I/O	F/E I2C data input/output terminal		
36	SYS_DATA	to PANEL	O	Inter-panel communication data output terminal		Data output (MAX 500kbps)
37	VCC1	µCOM	-			
38	PAN_DATA	to PANEL	I	Inter-panel communication data input terminal		Data input (MAX 500kbps)
39	VSS	µCOM	-			
40	SYS_REQ	to PANEL	O	Communication request terminal from system µ-com		
41	PAN_REQ	to PANEL	I	Communication request terminal from panel		
42	SDA/CD_SDA	CD	I/O	CD mechanism I2C data input/output terminal		
42	SDA/INST_SDA	EXTRA	I/O	E2PROM I2C data input/output terminal		
43	SCL/CD_SCL	CD	I/O	CD mechanism I2C clock output terminal		

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	Module	I/O	Application	Truth value table	Processing Operation Description
43	SCL/INST_SCL	EXTRA	I/O	E2PROM I2C clock output terminal		
44	PON_PANEL	Power supply	I/O	Panel 5V control terminal		H: ON, Hi-Z: Momentary power down, 11 min. after ACC_OFF
45~51	NC		O	Not used		Output L fixed
52	EPM	μCOM	I	FLASH EPM input terminal		
53	NC		O	Not used		Output L fixed
54	NC (CUR DET)		O	Not used		Output L fixed
55	SW_FDC	Power supply	I/O	FL tube filament power supply control terminal		ON: H OFF, Display black out: Hi-Z
56	NC (SW_USB)		O	Not used		Output L fixed
57,58	NC		O	Not used		Output L fixed
59	ROMCOR_DET	EXTRA	I	E2PROM writing-in request		H: Writing-in
60	NC		O	Not used		Output L fixed
61	SC_CON	to PANEL	O	Inter-panel communication control (CE when FLASH)		POWER OFF, ACC OFF: L
62	NC		O	Not used		Output L fixed
63	TUN_TYPE1	TYPE	I	Destination setting 1	⑤	Refer to the truth value table
64	TUN_TYPE2	TYPE	I	Destination setting 2	⑤	Refer to the truth value table
65,66	NC		O	Not used		Output L fixed
67	CD_DISC12_SW	CD	I	CD disc detection terminal (12cm)		
68	CD_LOS_SW	CD	I	CD loading detection terminal		
69	CD_MUTE_R	CD	I	CD MUTE (Rch) request terminal		L: Rch mute request
70	CD_MUTE_L	CD	I	CD MUTE (Lch) request terminal		L: Lch mute request
71	CD_MRST	CD	O	CD mechanism μ-com RST terminal		H: Normal, L: RESET
72	CD_MSTOP	CD	O	CD mechanism μ-com stop terminal		H: Mechanism μ-com in operation L: Mechanism μ-com stop
73	NC		O	Not used		Output L fixed
74	CD_LOE_LIM_SW	CD	I	CD detection terminal (chucking SW)		H: Loading completed, L: No disc
75	CD_LOEJ	CD	I/O	CD motor control terminal	①	Refer to the truth value table
76	CD_MOTOR	CD	O	CD motor control terminal	①	Refer to the truth value table
77	PON_ILLUMI	Power supply	I/O	Key illumi power supply control		H: ON, Hi-Z: OFF
78	PON_CD	Power supply	I/O	Power supply control terminal for CD WMA		L: When CD source Hi-Z: When other than CD source
79	PON	Power supply	O	Power supply control		POWER ON: H, POWER OFF: L
80	PON_FL+B	Power supply	O	Power supply control terminal for FL tube bias		POWER ON: H POWER OFF, Display black out: L
81	PON_FDC_USB	Power supply	I/O	FL tube filament power supply USB VBUS main power supply control terminal		POWER ON: L POWER OFF, Display black out: Hi-Z
82	F_SEL1	EXTRA	O	SW-Reg frequency switching	⑦	Refer to the truth value table
83	F_SEL2	EXTRA	O	SW-Reg frequency switching	⑦	Refer to the truth value table
84	DIAG	Power supply	I/O	PCON over-current monitoring		

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	Module	I/O	Application	Truth value table	Processing Operation Description
85	VCC2	µCOM	-			
86	EXT_AMP_CON	EXTRA	I/O	EXTERNAL AMP control		
87	VSS	µCOM	-			
88~91	TYPE_1~4	TYPE	I	Destination switching	⑥	Refer to the truth value table
92	NC		O	Not used		Output L fixed
93	OEM_DISP_DATA	EXTRA	I/O	External display DATA		External display
93	NC		O	Not used with DISP OUT		Output L fixed
94	OEM_DISP_CLK	EXTRA	I/O	External display CLK		External display
94	NC		O	Not used with DISP OUT		Output L fixed
95	OEM_DISP_CE	EXTRA	I/O	External display control request		External display
95	NC		O	Not used with DISP OUT		Output L fixed
96	NC		O	Not used		Output L fixed
97	P_CON	Power supply	O	External amplifier control terminal		POWER ON: H, POWER OFF: L, ALL OFF: L
98	NC		O	Not used		Output L fixed
99	ANT_CONT	EXTRA	O	Power antenna control		TUNER ON: H
100	ILLUMI_DET	EXTRA	I	Dimmer illumi detection		L: ON, H: OFF
101	BU_DET	EXTRA	I	Momentary power down detection		L: BU found, H: BU not found, momentary power down
102	ACC_DET	EXTRA	I	ACC power supply detection		L: ACC ON, H: ACC OFF
103	(PWIC_SVR)	PWIC	O	SVR discharging circuit		H: For 5 seconds at POWER OFF momentary power down, L: Thereafter
104	PWIC_MUTE	PWIC	O	Power ICMUTE terminal		L: While STANDBY source, momentary power down, L: While TEL MUTE
105	PWIC_STBY	PWIC	O	Power IC standby control		POWER ON: H, POWER OFF: L
106	LX_CON	LX_M	O	Start-up request to slave unit		H: Slave unit ON, L: Slave unit OFF
107	MUTE_PRE_R	AUDIO	O	PRE_OUT MUTE Rch		L: When M MUTE R is L (while CD) L: At momentary power down, Fixed to H: Only when 2 zone or NAVI interruption
108	MUTE_PRE_L	AUDIO	O	PRE_OUT MUTE Lch		L: When M MUTE L is L (while CD) L: At momentary power down, Fixed to H: Only when 2 zone or NAVI interruption
109	MUTE_0	AUDIO	O	E-VOL FRONT MUTE terminal		ON: L, OFF: H
110	MUTE_1	AUDIO	O	E-VOL REAR MUTE terminal		ON: L, OFF: H
111	MUTE_2	AUDIO	O	E-VOL SW MUTE terminal		ON: L, OFF: H
112	MUTE_A	AUDIO	O	E-VOL SPEANA MUTE terminal		ON: L, OFF: H
113	MUTE_PRE_SW	AUDIO	O	PRE_OUT MUTE SUB		L: ON, H: OFF L: At momentary power down Use in conjunction when using MUTE2 (anti- MUTE2 shock noise measure)
114	MUTE_AFS	AUDIO	O	AFS MUTE terminal		IC2's MUTE C is used L: ON, H: OFF, Decay time constant 0.5ms

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	Module	I/O	Application	Truth value table	Processing Operation Description
114	NC		O	Not used in models without RDS		Output L fixed
115~119	NC		O	Not used		Output L fixed
120	LINE_MUTE	EXTRA	I	Line mute detection		TEL MUTE: 1V or lower NAVI MUTE: 2.5V or higher
121	NC		O	Not used		Output L fixed
122	PWIC_DC_DET	PWIC	I	DC offset detection terminal		
123	LX_RST	LX_M	O	Hardware-reset to slave unit		H: Reset, L: Normally
124	G_Y_OUT	EXTRA	I			
124	NC		O	Not used when without G sensor		Output L fixed
125	G_X_OUT	EXTRA	I			
125	NC		O	Not used when without G sensor		Output L fixed
126	RDS_NOISE	TUNER	I	FM noise detection terminal		
127	AVSS	µCOM	-			
128	TUN_SMETER	TUNER	I	S meter input		

Truth value table

① CD_MOTOR, CD_LOEJ

	CD_MOTOR	CD_LOEJ
Standby	L	L
Eject	H	H
Load	H	L
Brake	H	Hi-z

④ AFS processing

	RDS_AFS_M	RDS_AFS_L	Status
AFS LOW	L	L	No sound output in AF search
AFS MID	L	Hi-Z	Sound output in AF search
AFS HIGH	Hi-Z	Hi-Z	Normal reception

⑤ TUN TYPE setting

	type1	type2
Kenwood brand model	L	L
Setting for OEM 1	L	H
Setting for OEM 2	H	L
Setting for OEM 3	H	H

⑥ DESTINATION TYPE

Destination	TYPE1	TYPE2	TYPE3	TYPE4
KDC-X890	1	0	0	0
KDC-MP832U	0	0	1	0
KDC-X9533U	0	1	1	0
DPX701U	0	0	0	1
DPX701UY	1	0	0	1
KDC-W7534U	0	1	0	1
KDC-W7534UY	1	1	0	1
U717	0	0	1	1
DPX-U099	1	0	1	1
DPX701	0	1	1	1
DPX-MP7090U	1	1	1	1

⑦ Frequency Transition

K,M Type (10kHz space)

Reception frequency	FSEL1	FSEL2
All status excluding 530~690 AM source	L	L
700~1020, 1390~1530	H	L
1540~1700	L	H
1030~1380	H	H

E,M Type (9kHz space)

Reception frequency	FSEL1	FSEL2
All status excluding 522~675, MW	L	L
684~1017, 1386~1530	H	L
1539~1629	L	H
1026~1377	H	H

MICROCOMPUTER'S TERMINAL DESCRIPTION

● PANEL MICROCOMPUTER: 703134AGJ011A (X16 : IC4)

Pin No.	Pin Name	I/O	Application	Processing Operation Description
1~7	D14~D8	I/O	Data input/output	
8	3.3VDD	-	3.3V	
9	VSS	-		
10~17	D7~D0	I/O	Data input/output	
18	FLGCP1	O	FL tone control	Control lighting time (brightness tone) with the pulse interval GCP=FLGCP1+FLGCP2
19	NC	O		Output L fixed
20	SYS_REQ	I	System μ-com communication request input	H: While in data communication
21	SC_CON	I	System μ-com communication, panel operation control	H: Panel operation
22	FL_BK	O	FL BK control	H: FL on, L: off
23	2.5VDD	-	2.5V	
24	VSS	-		
25	NC	O	Not used	Output L fixed
26,27	KS1, KS2	I/O	Key scan output	Output: L, Hi-z: Switching
28,29	TD0, TD1	O	Used when debugging	NC while in normal operation
30,31	KS3, KS4	I/O	Key scan output	Output: L, Hi-z: Switching
32	TRST	I	Used when debugging	H or L when debugging
33	ROTARY_CCW	I	Rotary B input	1 pulse/1 click 24 pulse/360°
34	ROTARY_CW	I	Rotary A input	1 pulse/1 click 24 pulse/360°
35	TMS	O	Used when debugging	NC while in normal operation
36	TCM	O	Used when debugging	NC while in normal operation
37	3.3VDD	-		
38	EVSS	-		
39	KS5	I/O	Key scan output	Output: L, Hi-z: Switching
40~42	KR1~KR3	I	Key return input	
43	FLGCP2	O	FL tone control	Control lighting time (brightness tone) with the pulse interval GCP=FLGCP1+FLGCP2
44	PAN_REQ	O	Panel communication request output	H: While in data communication
45	SYS_DATA	I	Data reception from system μ-com	UART communication 500kbps
46	PAN_DATA	O	Data transmission from the panel	UART communication 500kbps
47	FL_CLK	O	FL serial communication reference clock	Reference clock 4.125MHz @66MHz
48	KR4 INT	I	Key return input	Can interrupt
49	FL_DATA1	O	FL serial control data SI1	
50	CLK_IN3	I	Serial sync clock input	Sync to FL_CLK
51	FL_EN	O	FL skip shift control	H or Hi-Z: Skip odd numbers, L: Skip even numbers
52	FL_DATA2	O	FL serial control data SI2	

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Processing Operation Description
53	CLK_IN2	I	Serial sync clock input	Sync to FL_CLK
54	FL_LAT	O	FL latch control	
55	FL_DATA3	O	FL serial control data SI3	
56	3.3VDD	-		
57,58	X2, X2	I	Clock input	6.6MHz, internally 66MHz
59	CVSS	-		
60	CKSEL	I	Clock generator operational mode input	Direct connection to GND
61	PSEL	I	Input frequency selection when PLL mode	VDD connection when the main clock is 5.5MHz or above GND for other frequencies
62	2.5VDD	-		
63	VSS	-		
64	MODE0	I	μ-com operation mode input	Direct connection to GND
65	MODE1	I	μ-com operation mode input Used when debugging	H: Writing-in
66	PAN_RST	I	Input from reset IC	Cancel after 100msec after PON_PAN ON Reset after 60μsec after PON_PAN OFF
67	AVDD1	I	D/A conversion reference voltage	Connect with D3.3V
68,69	NC	I	Input-dedicated terminal	Pull-down
70,71	AVSS1, AVSS0	-	D/A conversion reference GND	Direct connection to GND
72	AVDD0	I	A/D conversion reference voltage	Connect with D3.3V
73	WAVE_IN	I	Audio input	AD read
74	F01	I	BPF (63Hz)	AD read
75	F02	I	BPF (150Hz)	AD read
76	F03	I	BPF (330Hz)	AD read
77	F04	I	BPF (1kHz)	AD read
78	F05	I	BPF (3.3kHz)	AD read
79	F06	I	BPF (10kHz)	AD read
80	TYPE_2	I	1DIN/2DIN setting	H: 2DIN, L: 1DIN
81	2.5VDD			
82	VSS			
83	NC	O	Not used	Output L fixed
84	TYPE_1	I	With/without customize destination setting	H: Flash ROM, L: Mask ROM
85	NC	O		
86	REMO	I	Remote control signal input	Detect with pulse width
87	PON_FL+B	O	FL bias power switch	H: ON, L: OFF
88	PON_FLVDD	I/O	FL logic power switch	H: ON, Hi-Z: OFF
89	PON_5V	I/O	5V power switch	Remote control IC, Spectrum analyzer IC power supply H: ON, Hi-Z: OFF
90~93	NC	O	Not used	Output L fixed
94	WE	I/O	Memory data writing-in permission	L: Writing-in, H: Wait, Hi-Z when starting up at SW3.3

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Processing Operation Description
95	OE	I/O	Memory data transmission permission	L: Send data, H: Wait, Hi-Z when starting up at SW3.3
96,97	NC	O	Not used	Output L fixed
98	3.3VDD			
99	VSS			
100	FROMCHK	O	For product technology implementation checking	Repeat H and L before finalizing OK: H, NG: L (checkland needed) Refer to the Test Mode Specification
100	NC	O	Not used when MASKROM	Output L fixed
101	CE	I/O	Memory operation permission	L: Operate, H: Wait, Hi-Z when starting up at SW3.3
102~104	NC	O	Not used	Output L fixed
105	ROMCOR_SCL	I/O	For ROM correction	Input when other than writing in (including STB) Hi-Z when starting up at SW3.3
106	ROMCOR_SDA	I/O	For ROM correction	Input when other than writing in (including STB) Hi-Z when starting up at SW3.3
107	NC (SEL_E2P)	O	Not used	Output L fixed
108	PON_TRI_GREEN	I/O	Triangle green light on switch	H: ON, Hi-Z: OFF, On when blackout
109	PON_TRI_RED	I/O	Triangle red light on switch	H: ON, Hi-Z: OFF
110	PON_ILLUMI	I/O	Blue sub illumi, Key illumi light on switch	H: ON, Hi-Z: OFF
111	SA_RST	O	Spectrum analyzer IC reset	H: Reset, L: Normal (spectrum analyzer IC's RST should be 1.8V or higher)
112	3.3VDD			
113	EVSS			
114	LIGHTING	O	Indirect light (blue) light on switch	H: ON, L: OFF
115	NC	O	Not used	Output L fixed
116	PON_SW3V	I/O	Kanji ROM, ROM correction rotary encoder power supply	L: ON, Hi-Z: OFF
117	NC	O	Not used	Output L fixed
118~123	A21~A16	O	Address output	
124	2.5VDD			
125	VSS			
126~133	A15~A8	O	Address output	
134	3.3VDD			
135	EVSS			
136~142	A7~A1	O	Address output	
143	NC	O	Not used	Output L fixed
144	D15	I/O	Data input/output	

MICROCOMPUTER'S TERMINAL DESCRIPTION

● MECHANISM MICROCOMPUTER: M30620FCPGP (X32: IC1)

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

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application	Processing Operation Description
48	ZERO M	I	0-bit mute detection	H: Mute ON, L: Mute OFF (No distinction of Lch/Rch)
49	DE-EMPHASIS	O	DAC de-emphasis control	H: De-emphasis ON, L: De-emphasis OFF
50,51	NC	-	Not used	Opened output L fixed
52	LIM SW	I	Laser pick-up inner circumference detection SW signal input	H: Inner circumference
53	DISC NORMAL	O	Media discrimination result output (Not used)	H: Normal disc, L: Other disc
54	DISC H RW	O	Media discrimination result output (Not used)	H: High reflecting RW disc, L: Other disc
55	DISC RW	O	Media discrimination result output (Not used)	H: Normal RW disc, L: Other disc
56~59	TEST OUT4~1	O	Output for test	Opened output L fixed
60	VCC2	-	Power supply input	Connects to BU3.3V
61	TEST OUT0	O	Output for test	Opened output L fixed
62	VSS	-	Power supply input	Connects to GND
63~66	NC	-	Not used	Opened output L fixed
67	TEST IN3	I	TEST IN3	Pull-down connection (L: Normal/H: During test)
68	MODEL SEL	I	Model determination	L: DXM-6810W (X32-583), H: DXM-6820W (X32-587)
69	E2P WRITE	I	TEST IN1: E2P writing permission	Pull-down connection (L: Normal/H: During writing)
70	UNIQ ID	I	TEST IN0: Uniqe ID writing permission	Pull-down connection (L: Normal/H: During writing)
71~73	NC	-	Not used	Opened output L fixed
74	SEARCH	O	Searching situation output	H: During seaching, L: Normal
75,76	NC	-	Not used	Opened output L fixed
77	$\overline{\text{DSP RST}}$	O	DSP reset control	L: Reset, H: Normal
78	DSP A0	O	DSP command/parameter discrimination signal output	H: During parameter transmitting L: During command transmitting
79	DA EMPHASIS	I	DSP DA emphasis input	H: emphasis ON, L: emphasis OFF
80	ROM EMPHASIS	I	Decoder ROM emphasis input	H: emphasis ON, L: emphasis OFF
81	$\overline{\text{DATA MUTE}}$	O	Data output status	L: During data output muting, H: During data output
82	$\overline{\text{CS RST}}$	O	Decoder reset control	L: Reset, H: Nornal
83	NC	-	Not used	Opened output L fixed
84	SREQ	O	Decoder SREQ signal output	
85	BREQ	I	Decoder BREQ signal input	
86~93	NC	-	Not used	Opened output L fixed
94	AVSS	-	Analog power supply input	Connects to GND
95	NC	-	Not used	Opened output L fixed
96	VREF	-	Reference voltage input	Not used: Connects to GND
97	AVCC	-	Analog power supply input	Connects to BU3.3V
98~100	NC	-	Not used	Opened output L fixed

TEST MODE

● How to enter the test mode

In order to enter the test mode, reset the unit while simultaneously pressing down [1] and [3] keys.
(Even when the security is set, power can be ON for 30 minutes.)

● How to clear the test mode

The test mode is cleared in case of any of the following events: resetting, momentary power down, Acc OFF and Power OFF.

● Initial conditions of the test mode

- Source is STANDBY.
- Displays lights are all turned on.
- The volume is at –10dB (The display is 30).
- Loudness (LOUD) is OFF.
- CRSC is OFF, regardless of whether there are switching functions or not.
- SYSTEM Q is NATURAL (=FLAT).
- BEEP will sound anytime with a less than 1 second push.
- Auxiliary (AUX) is ON.
- DISPLAY TYPE is TYPE D.
- Display of TUNER sources will be as follows :
  European Models : Upper Display=PS/frequency, Middle Display=clock, Lower Display=Status
  Other Models : Upper Display=SNPS, Middle Display =clock, Lower Display=Status
- CD/USB source display will be as follows :
  Upper Display=P-TIME, Middle Display=clock, Lower Display=Status

● RDS/RBDS automatic measurement

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

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

● Special display when set to TUNER

When in TUNER mode, if any of the following displays appear, there is an abnormality with the front end.

- “TNE2P_NG” : Front-end E2PROM values are still default (not determined).
- “TNCON_NG” : In this condition, the communication with the front-end is not possible.

● Forced switching of K3I

In TUNER FM mode, each time [6] key is pressed, the functions move in the following cycle :
AUTO → forced WIDE → forced MIDDLE → force NARROW → AUTO
The initial condition is AUTO and the displays below will appear.

- AUTO : FMA
- Forced MIDDLE : FMM
- Forced WIDE : FMW
- Forced NARROW : FMN

● CD source test mode specifications

- Jumps are made to the following tracks by pressing the [▶▶I] key.
  No. 9 → No. 15 → No. 10 → No. 11 → No. 12 → No. 13 → No. 22 → No. 14→ No. 9 (Returns to the beginning)
  It must be noted, however, that when paying MP3 / WMA / AAC disk, which contain 8 files or less, the first track and the following tracks are played in order.
- When [I◀◀] key is pressed, it goes down by 1 track.
- When a CD is used as a source, by pressing [1] key for less than 1 second, a jump to the Track No. 28 is made.
- When a CD is used as a source, by pressing [2] key for less than 1 second, a jump to the Track No. 14 is made.
- When a CD is used as a source, by pressing [3] key for less than 1 second, a display of CD mechanism model name and its version is made. When the pressing of [3] key for less than 1 second is made for the second time, the normal display is resumed. (Time code display)
- When a CD is used as a source, by pressing [6] key for less than 1 second, a jump to the Track No. 15 is made. At the same time, the volume value is set to 27 (5V PRE).

● Test mode specification for USB source

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

● Audio adjust mode

- By pressing [AUD] key for less than 1 second, the Audio Adjust mode is entered.
- As with the [AUD] key, [*] key on the remote controller can be used to enter the Audio Adjust mode.
- As for the adjustment items, items for both the AUDIO FUNCTION MODE and SETUP MODE are included.

TEST MODE

- By pressing [AUD] or [FM] key briefly, switch the item to be adjusted in the following order. (only in forward rotation) The initial item will be Fader, which is followed by : Balance → Bass Level → Middle Level → Treble Level → HPF Front → HPF Rear → LPF Sub Woofer (After this, it will be arbitrary)
- With the remote controller, continuous forwarding is prohibited.
- Using the VOL knob and [I◄◄] / [►►I] key, the Fader can be adjusted in 3 steps : R15 ↔ 0 ↔ F15 (The initial value is 0)
- Using the VOL knob and [I◄◄] / [►►I] key, the Balance can be adjusted in 3 steps : L15 ↔ 0 ↔ R15 (The initial value is 0)
- Using the VOL knob and [I◄◄] / [►►I] key, the Bass / Middle / Treble Level can be adjusted in 3 steps : –8 ↔ 0 ↔ +8 (The initial value is 0)
- Using the VOL knob and [I◄◄] / [►►I] key, the HPF Front / Rear can be adjusted in 2 steps : Through ↔ 220Hz (The initial value is Through)
- Using the VOL knob and [I◄◄] / [►►I] key, the LPF Sub Woofer can be adjusted in 2 steps : 50Hz ↔ Through (The initial value is Through)
- Using the VOL knob and [I◄◄] / [►►I] key, the Sub Woofer Phase can be adjusted in 2 steps : Reverse ↔ Normal (The initial value is Normal)
- Using the VOL knob and [I◄◄] / [►►I] key, the Volume Offset can be adjusted in 2 steps : –8 ↔ 0 (The initial value is 0)
- Using the VOL knob and [I◄◄] / [►►I] key, the Loudness ON/OFF can be adjusted in 2 steps : OFF ↔ ON (The initial value is OFF)
- Using the VOL knob and [I◄◄] / [►►I] key, 2-Zone ON/OFF can be adjusted in 2 steps : OFF ↔ ON (The initial value is OFF)
- Bass f / Bass Q / Bass EXT / Middle f / Middle Q / Treble f do no appear in audio adjustments.

● MENU items

- Press [Q] key briefly to enter the MENU.
- The [DNPP/SBF] and [DIRECT] keys on the remote controller can also be used to enter the MENU.
- With the remote controller, continuous forwarding is prohibited.
- When a CD/USB is used as a source, the default item will be the F/W Version.

● 2-ZONE (Dual Zone) items

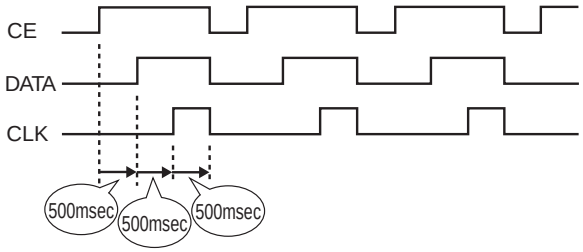
- When using sources other than the STANDBY source, using a short-press on [AUTO] or [TI] key, 2-ZONE ON/OFF is achieved.

● Backup current measurement

When reset in Acc OFF (Back Up ON) condition, MUTE terminal goes off after 2 seconds, instead of 15 seconds. (During this time, the CD mechanism does not function.)

● OPEL communication items (OPEL communication specification supporting model)

During the test mode, OPEL communication line outputs the following (At every 500msec, the output condition of the communication line will be switched.)



● G sensor display items (G-Analyzer supporting model)

When source is STANDBY, by short-pressing [ATT] key, the display is switched to analogy meter display, in which vertical G and horizontal G are displayed.

● Special display when all lights are on

When all lights are on with the STANDBY source, the following displays are made when the keys shown below are pressed.

[1] key	Version display (Display) C0528WK__SYS1. 23 (Display) STYPE : x__PAN1.11 (Display) PTYPE : x__MEM3.21 ∗ STYPE indicates system µ-com destination, and PTYPE indicates panel µ-com destination, and show real-time condition of the destination terminal (“x” is displayed in hexadecimals.)
[2] key	Serial number display (8 digits) (Display) SNo_xxxxxxxx
[3] key	Key pressed briefly : Power ON time is displayed. (Display) PonTim_0Hxx_ (00~50 is displayed for “xx”. When less than 1 hour, displayed by increments of 10 minutes.) xxxxx (00001~10922 is displayed for “xxxxx”.) MAX 10922 (times) During Power On time display, by pressing for at least 2 seconds, the Power ON time is cleared.

TEST MODE

[4] key	Key pressed briefly : CD operation time is displayed. (Display) CDTim_0Hxx_ (00~50 is displayed for "xx". When less than 1 hour, displayed by increments of 10 minutes.) xxxxx (00001~10922 is displayed for "xxxxx".) MAX 10922 (times) During CD operation time display, by pressing for at least 2 seconds, CD operation time is cleared.
[5] key	Key pressed briefly : CD EJECT number is displayed. (Display) EjeCnt_xxxxx MAX 65535 (times) During CD EJECT number display, by pressing for at least 2 seconds, CD EJECT number display is cleared.
[FM] key	ROM correction version display (Display) SYS_ROM_R123 (Display) PAN_ROM_R123 When E2PROM is not installed : ROM_ERR_ When un-written : ROM_R – – – When data is incompatible : ROM_R ∗ ∗ ∗
[▶▶I] key	AUDIO data default value setting (Display) AUDIO_INIT
[I◀◀] key	Key pressed briefly : Forced Power OFF data displayed. (Display) POFF_ - - - (No Forced Power OFF) SEC (Forced Power OFF because of missing Security Code) PNL (Forced Power OFF because of system μ-com panel communication error) While the forced power OFF data is displayed, press and hold for 2 seconds to clear the data.
[▶II] key	Key pressed briefly : CD information display mode ON/OFF While in CD information display mode, press and hold for 2 seconds to clear all CD information. ∗ Please refer to the table right.

● CD information display mode

	Displays I2C communication status and CD mechanism error log (Display) I2C_●●_____ (Display) ERR_1-▲▲, 2-▲▲, 3-▲▲ "OK" or "NG" is displayed for "●●". / "– –" or an error code is displayed for "▲▲".
	Displays CD loading error data. (Display) Load_Error____ (Display) __ (1) xx__ (2) xx (number of times is displayed for "xx") MAX 99 (times) Disk detection switch ON/OFF is monitored, and when the loading operation is not completed within the specified time length, or when E-99 mechanism error occurred, record which SW signal had an error. ∗Refer to the note at the end of [CD LOAD error detection].
[AM] key ↑	Displays CD ejection error data. (Display) Eject_Error___ (Display) __ (1) xx__ (2) xx (Display) __ (3) xx__ (4) xx (number of times is displayed for "xx") MAX 99 (times) Disk detection SW ON/OFF is monitored, and when the ejection operation is not completed within the specified time length, or when E-99 mechanism error occurred, record which SW signal had an error. ∗Refer to [CD EJECT error detection]'s note.
↓ [FM] key	Displays CD time code count error data (missing count). (Display) Count_Lose (Display) __CDDA_ : xx (Display) __CDROM : xx (number of times is displayed for "xx") MAX 99 (times) Monitor time code continuity. Record the number of times when discontinuity occurred as error data. Record the data of compressed audio and CD-DA played separately.
	Displays CD time code count error data (count not updated). (Display) Count_Stay (Display) __CDDA_ : xx (Display) __CDROM : xx (number of times is displayed for "xx") MAX 99 (times) When the time code is not renewed for 2 or more seconds, record the number of times occurred as error data (skipped sound).

TEST MODE

● Initializing AUDIO-related value setting

During STANDBY sourcing, by pressing [▶▶I] key for less than 1 second, AUDIO setting values are returned to the default values.

● Flash ROM check (for graphic data)

1. In order to prevent the Flash ROM (4M) equipped models to be installed with the Mask ROM (2M) panel, and to prevent the Mask ROM (2M) equipped models to be installed with the Flash ROM (4M) panels, with the STANDBY sources during the test mode, the following display will be made according to the system μ-com and panel combination.
   - Flash ROM (4M) equipped model and Flash ROM (4M) panel
     All lights turned on – – – OK!
   - Mask ROM (2M) equipped model and Mask ROM (2M) panel
     All lights turned on – – – OK!
   - Flash ROM (4M) equipped model and Mask ROM (2M) panel
     "M4P2" – – – NG!
   - Mask ROM (2M) equipped model and Flash ROM (4M) panel
     "M2P4" – – – NG!

   ∗Flash ROM (4M) : DPX-U099 (X16 IC1)
   Mask ROM (2M) : DPX701/701U/701UY/DPX-MP7090U (X16 IC1)
2. When entering the test mode, the manufacture code of the Flash ROM (4M) is read and when it is normal, FROMCHK of the 100th terminal (Panel μ-com) repeats Hi → Low → Hi · · ·. If the reading is abnormal, "Low" is output.
   If the manufacture code is normal, by pressing [AM] key for less than 1 second, the connection checks on all terminal is started. If the connections are normal, the FROMCHK terminal stops the Hi → Low → Hi · · · repeating and outputs "Hi". If the reading is abnormal, "Low" is output.
3. If the [AM] key is pressed for 2 seconds while all lights are on, Flash ROM (4M) data is initialized.
   While the deletion is executed, "Data_Erase...." is displayed.
   Note : Do not touch any key white this is in progress.
   When erasing is complete, "Erase_OK!!" is displayed.
   If "Erase_NG!!!!!!" is displayed, it was not possible to erase the data on the Flash ROM (4M).
   In this case, pressing [AM] key for at least 1 second again. If it is the same, then there is an abnormality with the Flash ROM.

● Other

- At Power ON, "CODE_OFF", "CODE_ON" displays will not be made.
- When the source is STANDBY, press [AUTO] / [TI] key briefly to switch triangle illumi RED ↔ GREEN. (In models with Display Blackout function)
- When in USB source, press [1] key briefly to turn ON/OFF the front grass indirect lighting.
- When staring up in the test mode, LINE MUTE prohibition time is set to 1 second instead of 10 seconds.
- While in the test mode, security jig should not be used to write the security code.
- While in the test mode, serial writing jig should not be used to write the serial number.
- While in the test mode, even when a DC offset error is detected, the detection information will not be written to the E2PROM.
- While in the test mode, even after an elapse of pre-set time, the backup memory items will not be written to the E2PROM.
- While in the test mode, backup/installer memory information clear mode, CD mechanism error log information clear mode and DC offset error detection information clear mode, DEMO mode operation will not be conducted.
  Also, in the above mode, the menu of the STANDBY source will not display DEMO ON/OFF switching items.

● Clearing backup/installer memory and CD mechanism information, and service information (Clearing E2PROM data)

Backup/installer memory X34-IC104 (E2PROM) "AUDIO_E2P"
CD mechanism information and service information: TUNER F/E (E2PROM) "CD_E2P___"

1. While pressing and holding the [Q] key and the [ATT] key, reset-start to start backup/installer memory data, and CD mechanism and service information initialization.
   (Even when the security is set, 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.

TEST MODE

2. After the initialization process is completed, the following is displayed.
   At normal termination:

   ```
   CD_E2P___:○
   AUDIO_E2P:○
   ```

   At abnormal termination 1: When backup/installer memory initialization is NG.

   ```
   CD_E2P___:○
   AUDIO_E2P:×
   ```

   At abnormal termination 2: When CD mechanism information / service information initialization NG.

   ```
   CD_E2P___:×
   AUDIO_E2P:○
   ```

   At abnormal termination 3: When all initialization NG.

   ```
   CD_E2P___:×
   AUDIO_E2P:×
   ```

3. While in this mode, even after an elapse of a pre-set time, no backup memory items will be written to the E2PROM.
4. This mode is released by resetting. (What was on the last screen will not be retained.)

● Clearing DC offset error detection information (E2PROM (F/E) data clear)

1. While simultaneously pressing down on [3] and [6] keys, reset the unit to enter the DC offset error display mode. (Even when the security is set, power can be ON for 30 minutes.)
2. During STANDBY sourcing, the current DC offset error conditions will be displayed.
   When error detected : "DC_ERR"
   When error not detected : "DC_OK"
3. While the error conditions are being displayed, press [AUTO] / [TI] key for less than 1 second to clear the detection information. (E2PROM clear)
4. DC offset error display mode is released by resetting. (What was on the last screen will not be retained.)

● FM/AM channel space switching (K,M type)

From the Power OFF condition, while pressing [1] and [5] keys down simultaneously, press the [SRC] key and turn power ON.

● Security

• Forced Power ON mode

Even when the security is set, by resetting while pressing [Q] key and [4] key simultaneously, it is possible to turn the power ON for 30 minutes only.

• Method of clearing the programmable security code (Programmable security models: K type)

1. While "– – – –" is being displayed, press [▶▶I] key for at least 3 seconds while pressing [AUTO] /[TI] keys.
   This makes "– – – –" display disappear.
2. Using the remote controller, input "KCAR".
   Press the remote control [5] key 2 times, display "K", and press the [▶▶I] key.
   Press the remote control [2] key 3 times, display "C", and press the [▶▶I] key.
   Press the remote control [2] key once, display "A", and press the [▶▶I] key.
   Press the remote control [7] key 2 times, display "R", and press the [▶▶I] key.
3. The security is released and the unit enters the STANDBY mode.
4. If a wrong code is input, the unit goes into the Code Request mode.

• How to register the security code on the "Car Audio Passport" after replacement of the E2PROM (F/E) (Code security models: E,M type)

1. Enter the test mode. (Refer to the section on "How to Enter the Test Mode.")
2. Press [Q] key briefly to enter the MENU.
   While "Security" is being displayed, press [▶II] key for at least 1 second and enter the security registration mode.
3. Using [FM] / [AM] / [I◀◀] / [▶▶I] keys, enter the code.
   [FM] key : Number up [AM] key : Number down
   [▶▶I] key : Cursor Right [I◀◀] key : Cursor Left
4. Press [▶II] key for at least 3 seconds to display "RE-ENTER". Then, re-enter the code using the method in above No. "3".
5. Press [▶II] key for at least 3 seconds to display "APPROVED".
6. Release the test mode. (Refer to the section on "How to Release the Test Mode.")

Note : The security code for this model cannot be deleted by "all clear" command.

DC OFFSET ERROR

● Purpose

Prevent customers' vehicle speakers damages, burnouts, and smoking.

Avoid the connected speakers to be burned out, damaged, or to smoke when DC occurs between the audio power amp. + and - outputs.

● Processing after detection

1. System status
- At the detection of DC error, error data is to be saved immediately (E2PROM error log save area).
- Display the error message on the display. The system shall maintain the current condition, including the operation. Shut down audio system power supply. Set Mute to ON.
- Although switching between Power OFF and ON (ACC, BU, and Key operation) is valid, switching from Off to ON shall be error until the μ-com is reset.

∗ While power-on, even if the IC2VI DCErr output terminal logic recovered to normal level value, the error condition shall continue.

- Prohibit to save the backup/installer memory to E2PROM (nonvolatile memory).

2. Controlling μ-com terminal
- Set Mute for all channels including for pre-out.
- Turn off power IC control system power supply. (Set AMP-Standby function to valid)
- Set P-Con output to OFF (Logic by which external AMP unit is turned off).

∗ The purpose is to shut down audio output. Basically, the logic sets the audio output system signal line when in Standby source.

3. Key specification
- No specific limitation (Normal operation).

4. Display specification
- Display the "PROTECT" string and blink all characters at 1Hz.

∗ Use the indication below with the highest priority (error message), and maintain the error message even when the source is changed.

Display Example

● Cancel Condition

- Press the Reset terminal on the main body. or set Backup to OFF (Unplug and plug back in the DC connector).
  The history is maintained (E2PROM data is saved).

● Note while in test mode

- While in test mode, even if DC leak is detected, it is not written into E2PROM.
  When an error is detected, the display is enabled.

● Other

- Function for checking and clearing data in E2PROM by a given key shall be included.
  (Used at production dpt. and service center, etc.)

CD LOAD ERROR DETECTION

● Overview

Record the number of times when mechanism error (SW error) occurred at CD LOAD.

LOAD error recording shall be done in 2 patterns, by the SW status illustrated below.

LOAD error is established when LOAD operation is not completed after LOAD operation is started before the protect timer count is completed.

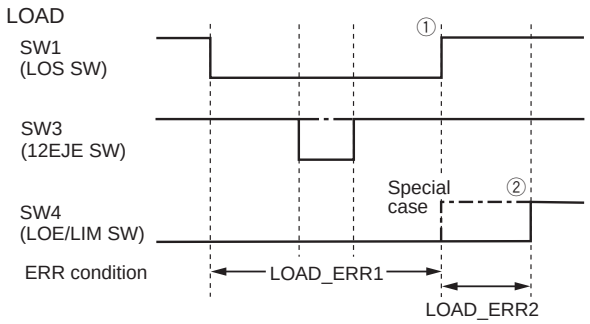
Clearing of record is done in the following situations:

1) After reset is cancelled, when reading EEPROM, the code is NG.
2) While in test mode, the specified key (Play/Pause key pressed for 2 seconds) input.
3) When in EEPROM all-clear initialization mode (refer to the test mode specification document)

- Display is shown on the test mode specification document.
- Number of times with error(s) is 99 at MAX.
- Not recorded in test mode [1+3 keys].

CD LOAD ERROR DETECTION

● Operation



∗ Trigger for starting the sequence: detecting the inserted disc with SW 1 and 3 LOW edge.
(As an exception, protect LOAD when EJECT error)

① If the protect timer was counted up before the LOS (SW1) up edge detection, it is recorded as LOAD_ERR1.
② If the protect timer was counted up after the LOS (SW1) up edge detection, before the LOE/LIM (SW4) up edge detection, it is recorded as LOAD_ERR2.

∗ When DISC was inserted briefly but pulled out immediately (DISC is detected but not inserted), it is considered as an error.
Special case: Even if LOS (SW1) up edge is not detected, if LOE/LIM (SW4) up edge is detected, it is still recorded as LOAD_ERR1. Also, if SW4 up edge is detected, the motor is stopped.

CD EJECT ERROR DETECTION

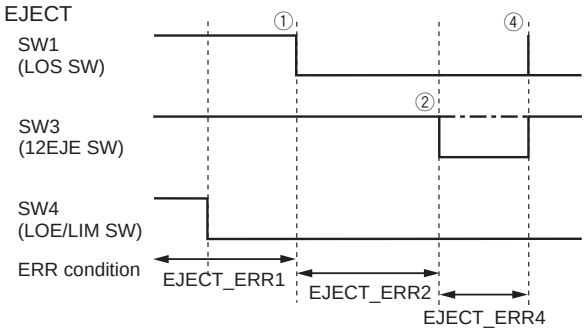
● Overview

Record the number of times when mechanism error (SW error) occurred at CD EJECT.
EJECT error recording shall be done in 4 patterns, by the SW status illustrated below (3 patterns in models other than TYPE-J).
EJECT error is established when EJECT operation is not completed after EJECT operation is started before the protect timer count is completed (False EJECT, or ejection with no CD, is considered as exception and is not recorded).
(False EJECT is determined when: while chucking is not done, and when SW status is determined as NO DISC.)
Clearing of record is done in the following situations :

1) After reset is cancelled, when reading EEPROM, the code is NG.
2) While in test mode, the specified key (Play/Pause key pressed for 2 seconds) is input.
3) When in EEPROM all-clear initialization mode (refer to the test mode specification document).

- Indication is shown on the test mode specification document.
- Number of times with error(s) is 99 times at MAX.
- Not recorded in test mode [1+3 keys].
- When EJECT was error, re-try 3 times, and count each error while re-try as 1 error.

● Operation



∗ Trigger for starting the sequence: detecting DISC ejection by EJECT key. (As an exception, protect EJECT when LOAD error)

① If the protect timer was counted up before the LOS (SW1) down edge detection, it is recorded as EJECT_ERR1.
② If the protect timer was counted up after LOS (SW1) down edge before the 12EJE (SW3) down edge detection, it is recorded as EJECT_ERR2.
④ If the protect timer was counted up after LOS (SW1)/12EJE (SW3) down edge before the down edge detection of any of these, it is recorded as EJECT_ERR4.

∗ When EJECT is started, if not chucking, it is not counted as EJECT error (considered as false EJECT). However, EJECT when SW change is detected.

INSTALLER MEMORY SPECIFICATIONS

At specialists (or specialty stores), when the installer sends the vehicle back to the user, they may make the store-recommended audio configuration.
When the user changes the setting values, when the backup power supply was taken out at times of battery change or when the reset button was pressed, to make it possible to recall the setting values, the store-recommended configuration values can be saved into E2PROM.
The specification detail defer in “with-DSP model” and in “without-DSP model”.

- Calling and saving the configuration is done by the MENU.
- Items to be saved are Bass, Middle, Treble, X’ over, and Sub Woofer Level (Refer to the separate document for more detail). Only one setting can be saved for each item (Bass/Middle/Treble settings can be changed for each source, but only one setting can be saved as the installer memory specification, and the source in which the saving operation was carried out is saved as such).
- The contents read out by the call key shall be reflected only to the current source at the time → EQ curve is “USER” (Bass/Middle/Treble settings can be changed for each source, but not reflected to Bass/Middle/Treble settings of sources other than where the calling operation was carried out).
- When the backup power supply was taken out at times of battery change or when the reset button was pressed, as the initial setting values of Bass, Middle, Treble, X' over, and Sub Woofer Level, the saved memory is reflected. (Bass/Middle/Treble setting initial setting value memory is reflected in all sources.)

NOTE: By such, EQ curve initial setting shall always be “USER” (NOT “NATURAL” or “FLAT”).

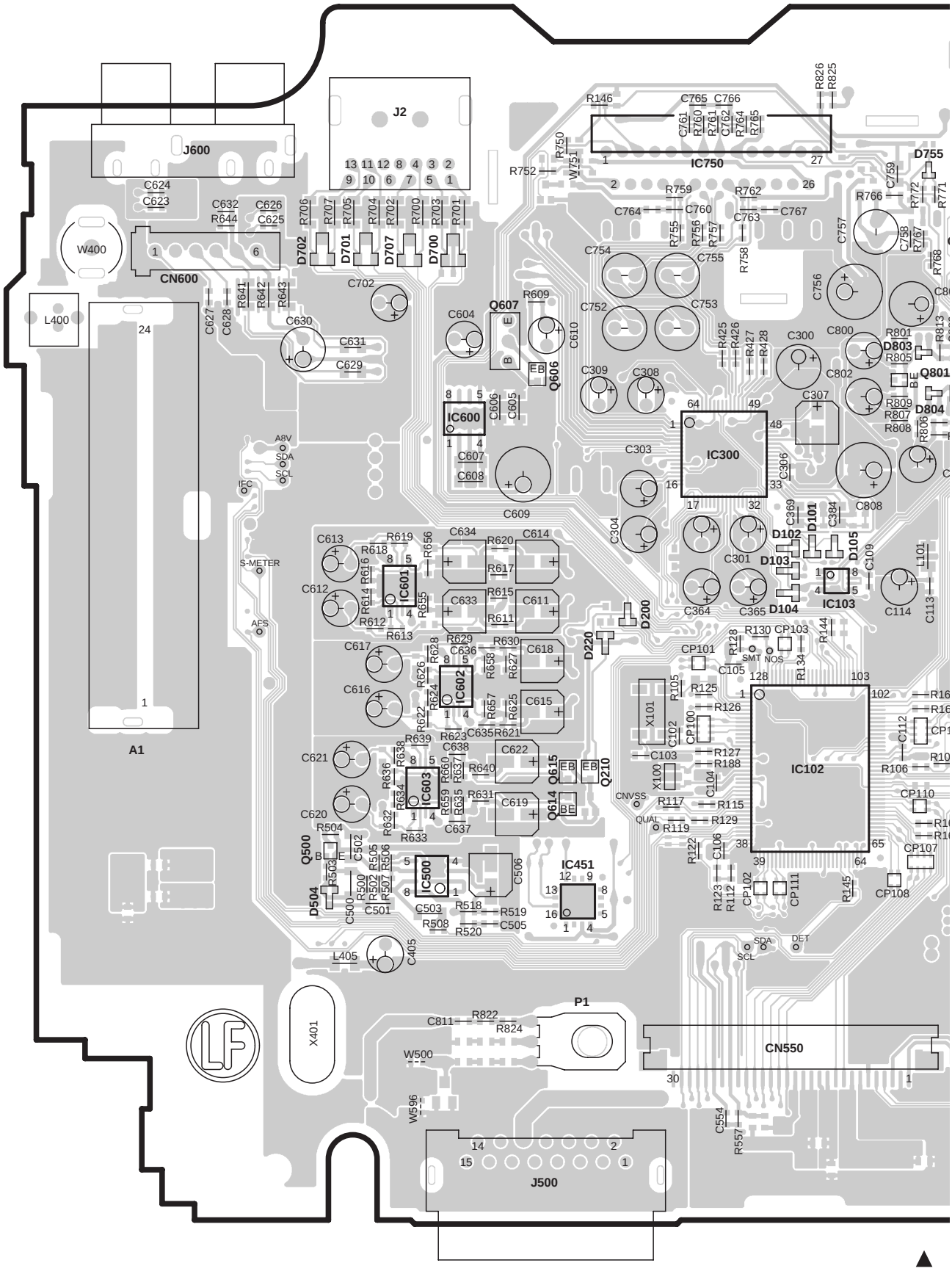
BACKUP MEMORY SPECIFICATIONS

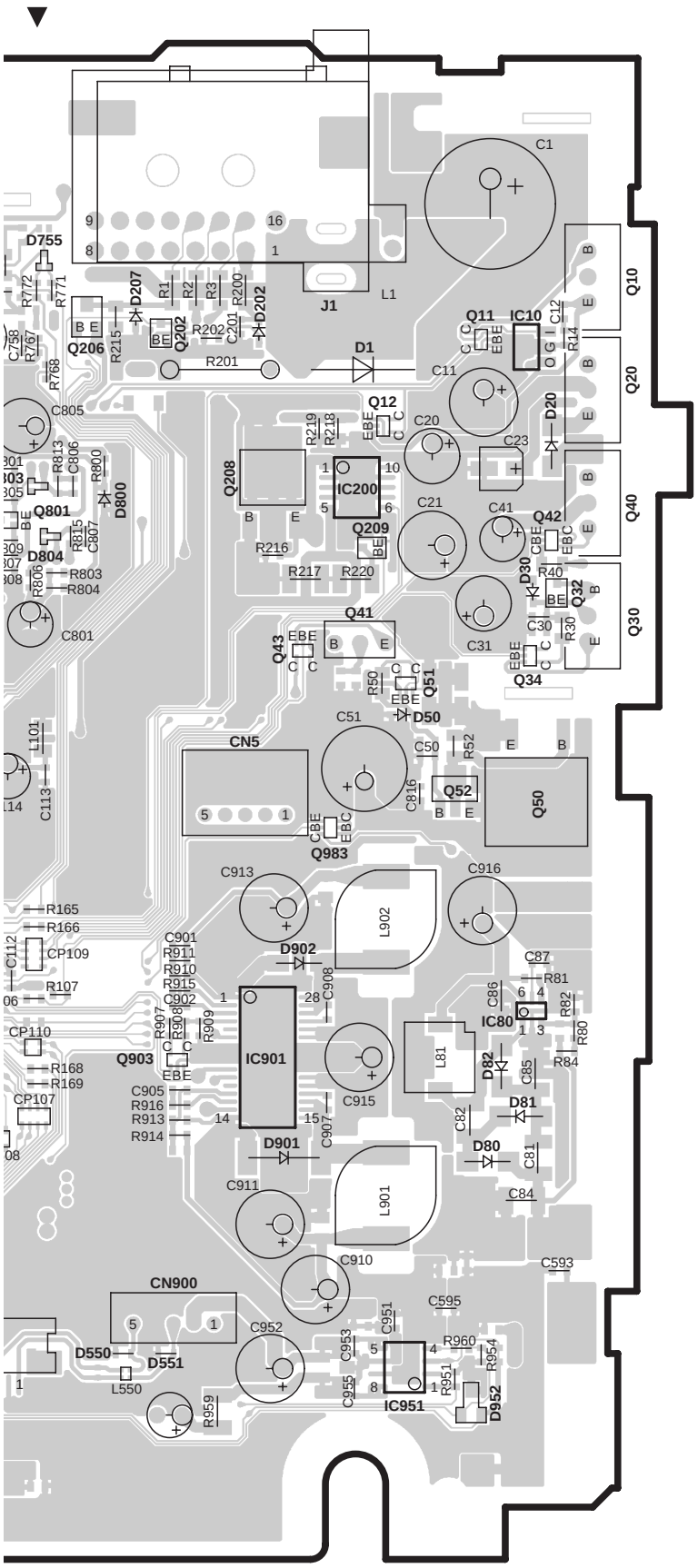
Settings by the user other than the installer memory items are saved into the E2PROM, and when the backup power supply was taken out at times of battery change or when the reset button was pressed, it is made possible to recall the setting values saved.

- While Power ON, the memory is saved and accumulated at a certain interval (temporary).
- Items to be saved into the memory are: Volume Offset (for all sources) and preset frequencies (FM/AM all bands x 6 channels).
- When the backup power supply was taken out at times of battery change or when the reset button was pressed, as the initial setting values of Volume Offset (for all sources) and preset frequencies (FM/AM all bands x 6 channels), the saved memory is reflected.
- In models which includes span-switching, when span is switched, TUNER-preset frequencies are set back to the default values.

PC BOARD (COMPONENT SIDE VIEW)

ELECTRIC UNIT X34-413x-xx (J76-0172-12)





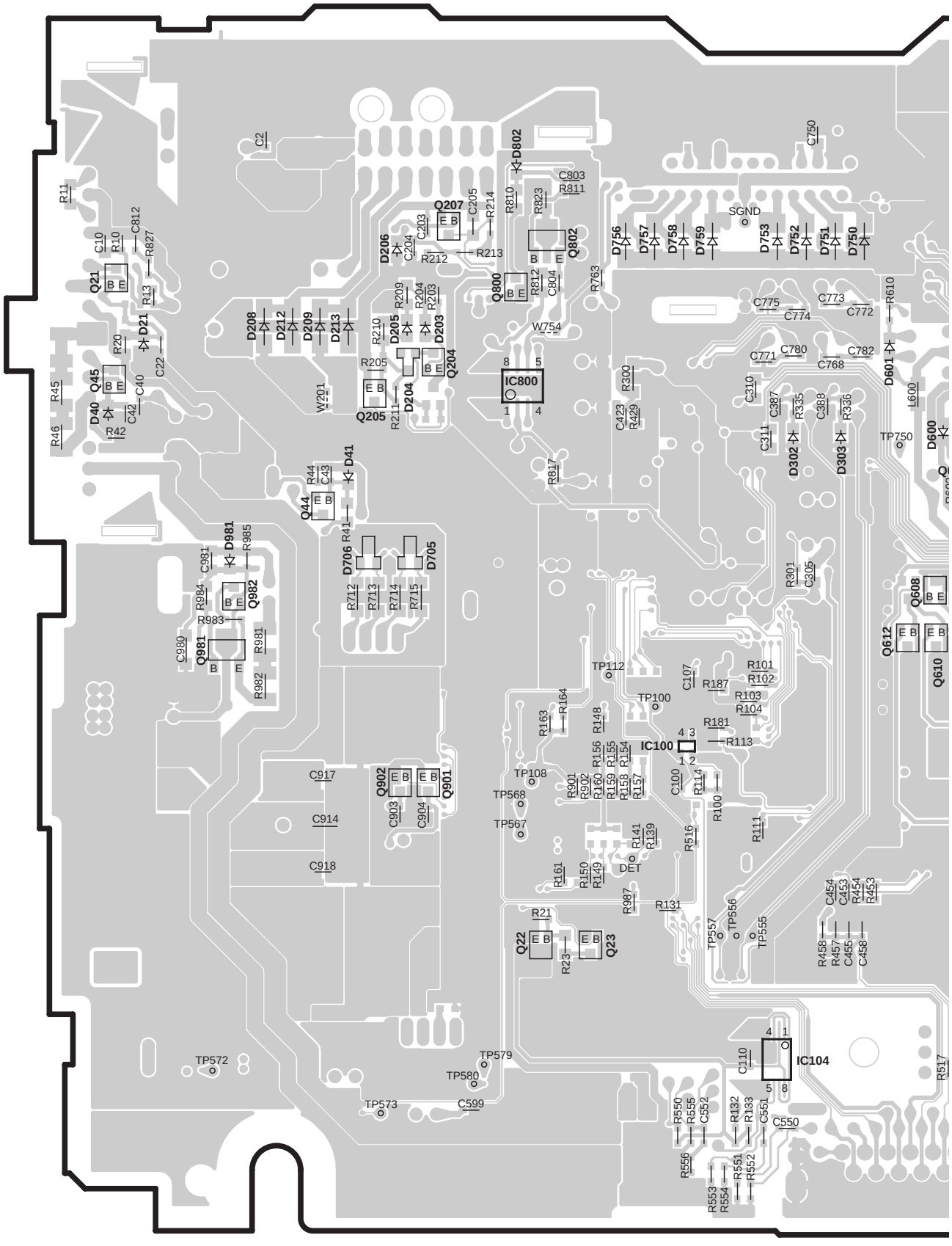
X34-413x-xx

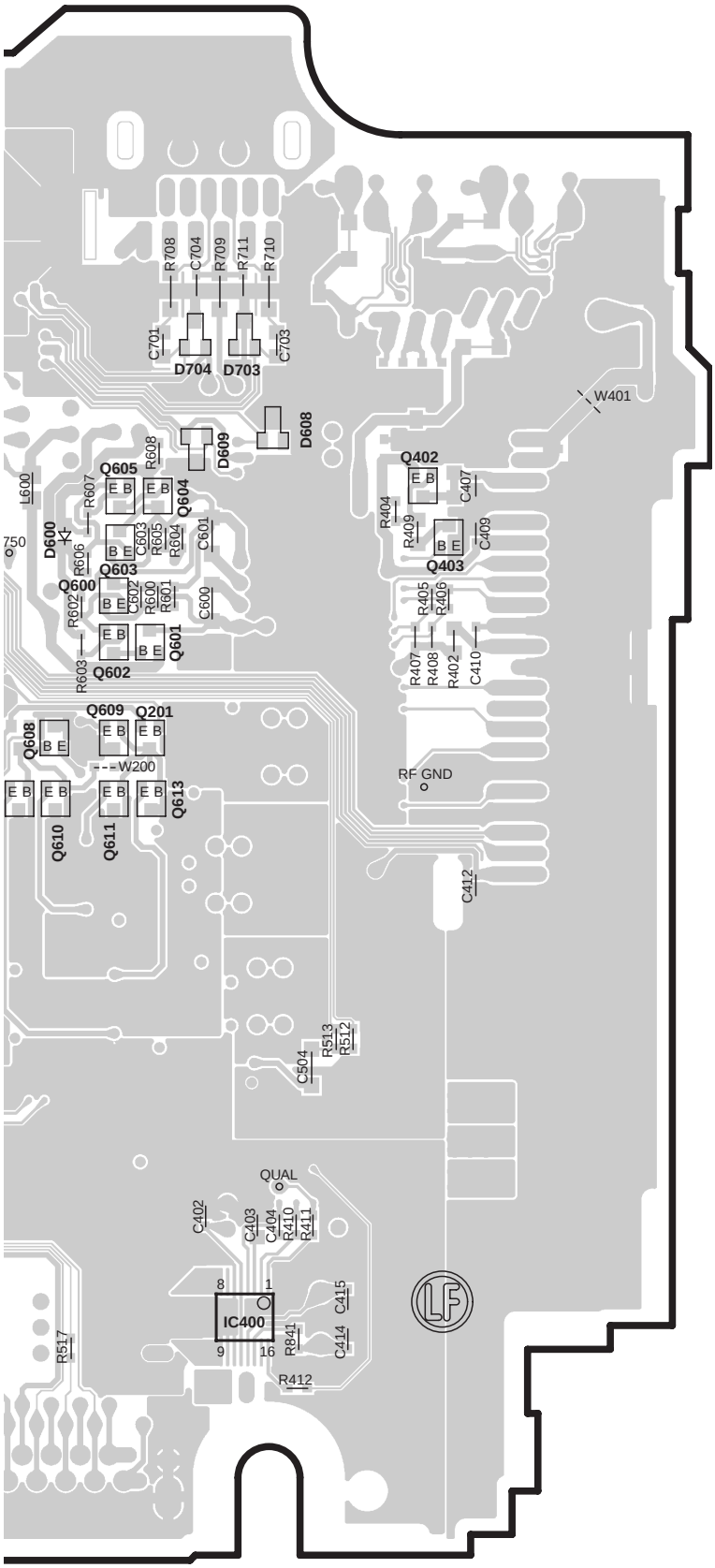
Ref. No.	Address
IC10	2G
IC80	5G
IC102	5E
IC103	4E
IC200	3G
IC300	3D
IC451	5D
IC500	5C
IC600	3C
IC601	4C
IC602	5C
IC603	5C
IC750	2D
IC901	5F
IC951	6G
Q10	2H
Q11	2G
Q12	3G
Q20	3H
Q30	3H
Q32	3H
Q34	4G
Q40	3H
Q41	3G
Q42	3H
Q43	4G
Q50	4G
Q51	4G
Q52	4G
Q202	2F
Q206	2F
Q208	3F
Q209	3G
Q210	5D
Q500	5C
Q606	3D
Q607	3C
Q614	5D
Q615	5D
Q801	3F
Q903	5F
Q983	4G

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

PC BOARD (FOIL SIDE VIEW)

ELECTRIC UNIT X34-413x-xx (J76-0172-12)





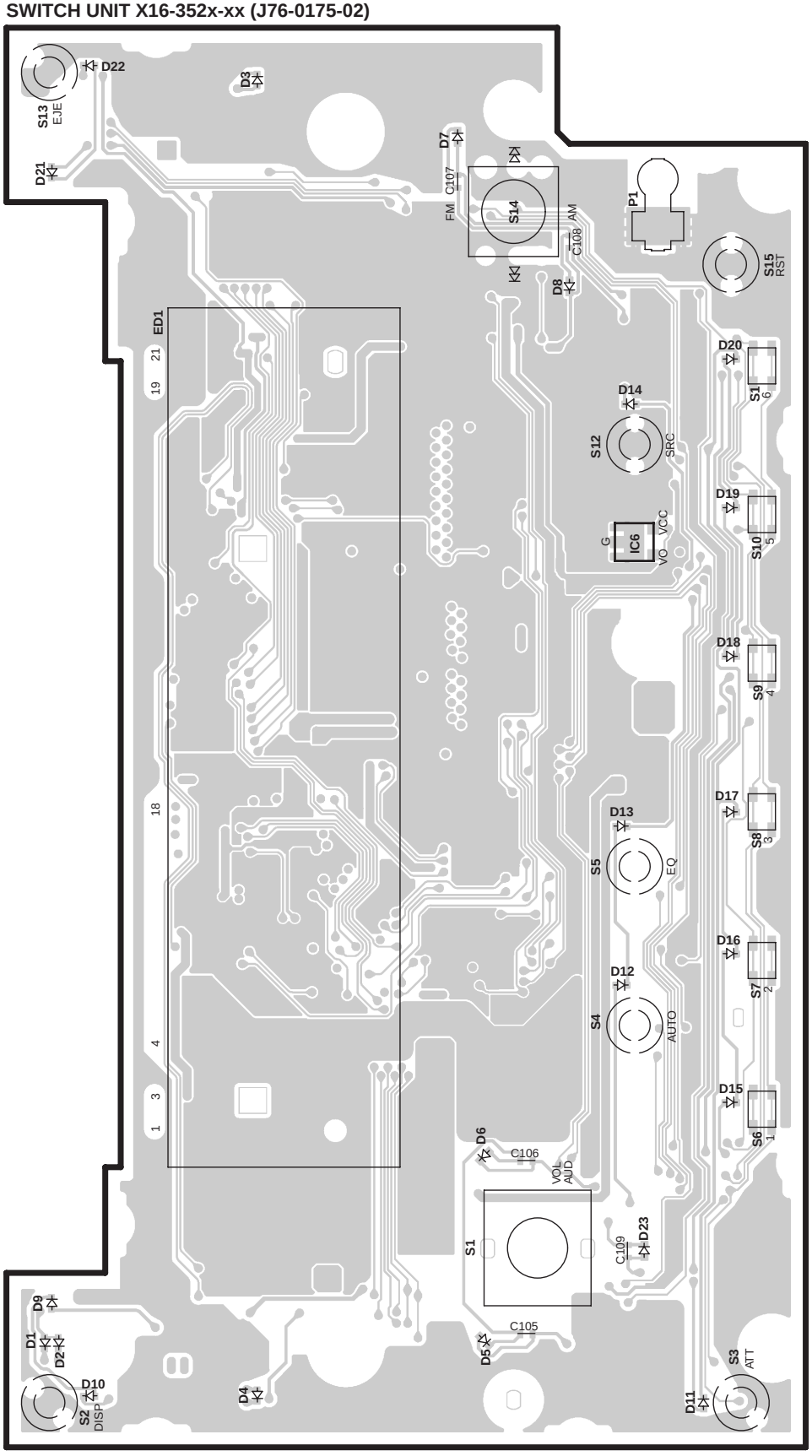
X34-413x-xx

Ref. No.	Address
IC100	5N
IC104	6O
IC400	6P
IC800	3N
Q21	3L
Q22	6N
Q23	6N
Q44	4M
Q45	3L
Q201	4P
Q204	3M
Q205	3M
Q207	2M
Q402	3Q
Q403	3Q
Q600	3P
Q601	4P
Q602	4P
Q603	3P
Q604	3P
Q605	3P
Q608	4O
Q609	4P
Q610	4P
Q611	4P
Q612	4O
Q613	4P
Q800	3M
Q802	2N
Q901	5M
Q902	5M
Q981	4L
Q982	4L

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

PC BOARD (COMPONENT SIDE VIEW)

SWITCH UNIT X16-352x-xx (J76-0175-02)



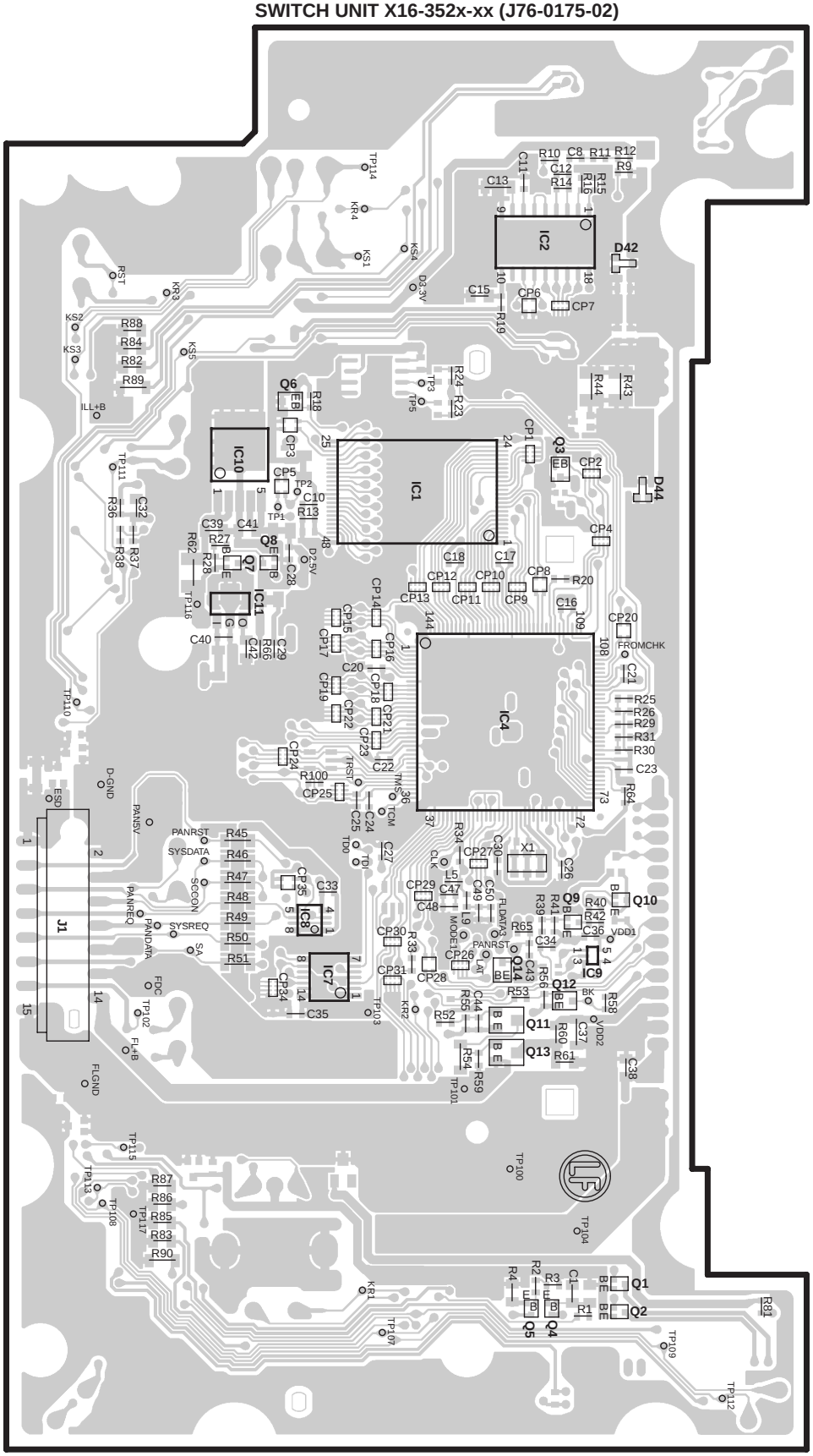
X16-352x-xx

Ref. No.	Address
IC6	3X

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

PC BOARD (FOIL SIDE VIEW)

SWITCH UNIT X16-352x-xx (J76-0175-02)



X16-352x-xx

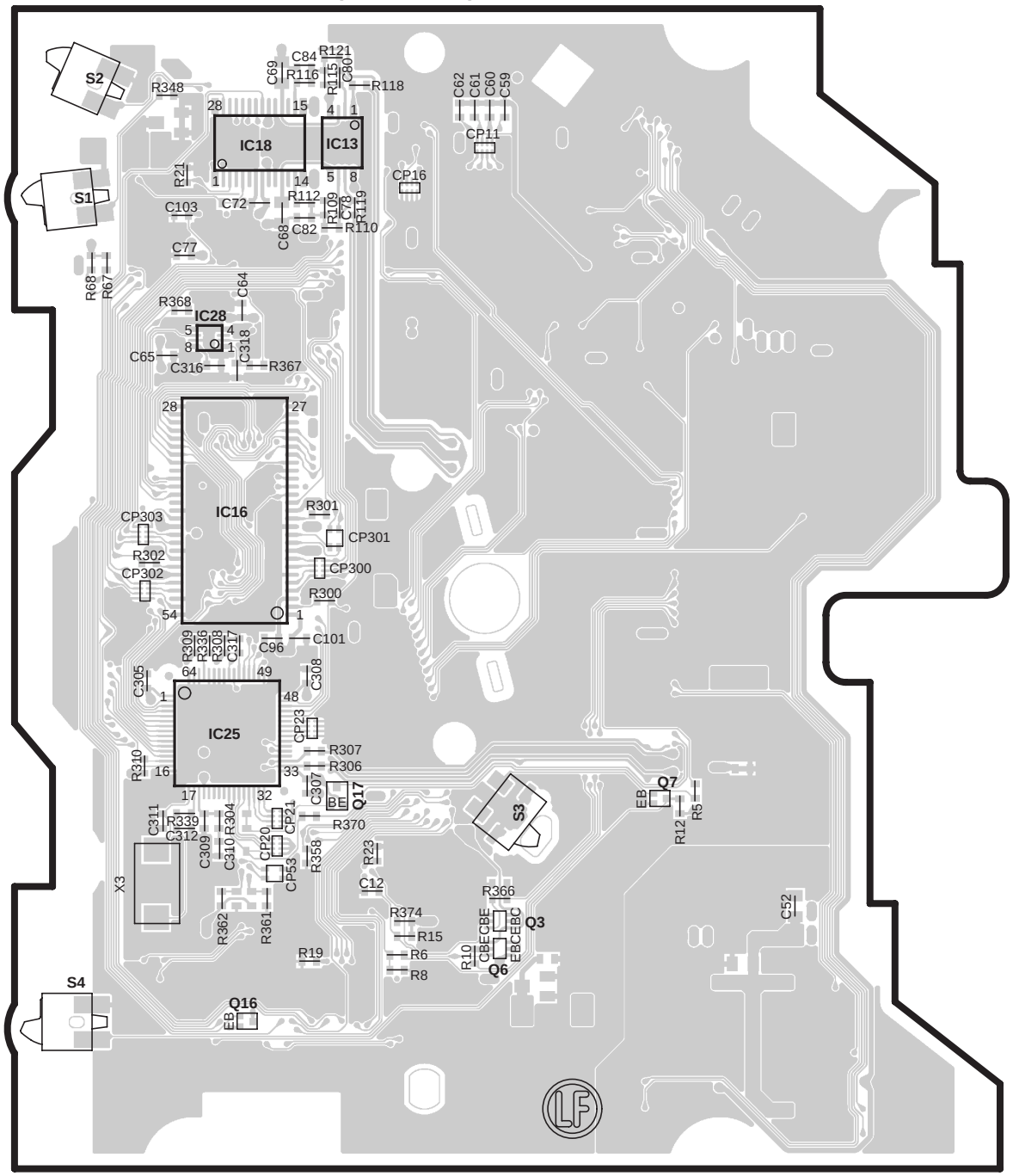
Ref. No.	Address
IC1	3AA
IC2	2AB
IC4	4AB
IC7	5AA
IC8	5AA
IC9	5AB
IC10	3AA
IC11	4AA
Q1	6AB
Q2	6AB
Q3	3AB
Q4	6AB
Q5	6AB
Q6	3AA
Q7	3AA
Q8	3AA
Q9	5AB
Q10	5AB
Q11	5AB
Q12	5AB
Q13	5AB
Q14	5AB

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

DPX701/701U/701UY
DPX-MP7090U

PC BOARD (COMPONENT SIDE VIEW)

CD PLAYER UNIT X32-5870-00 (J76-0214-02)



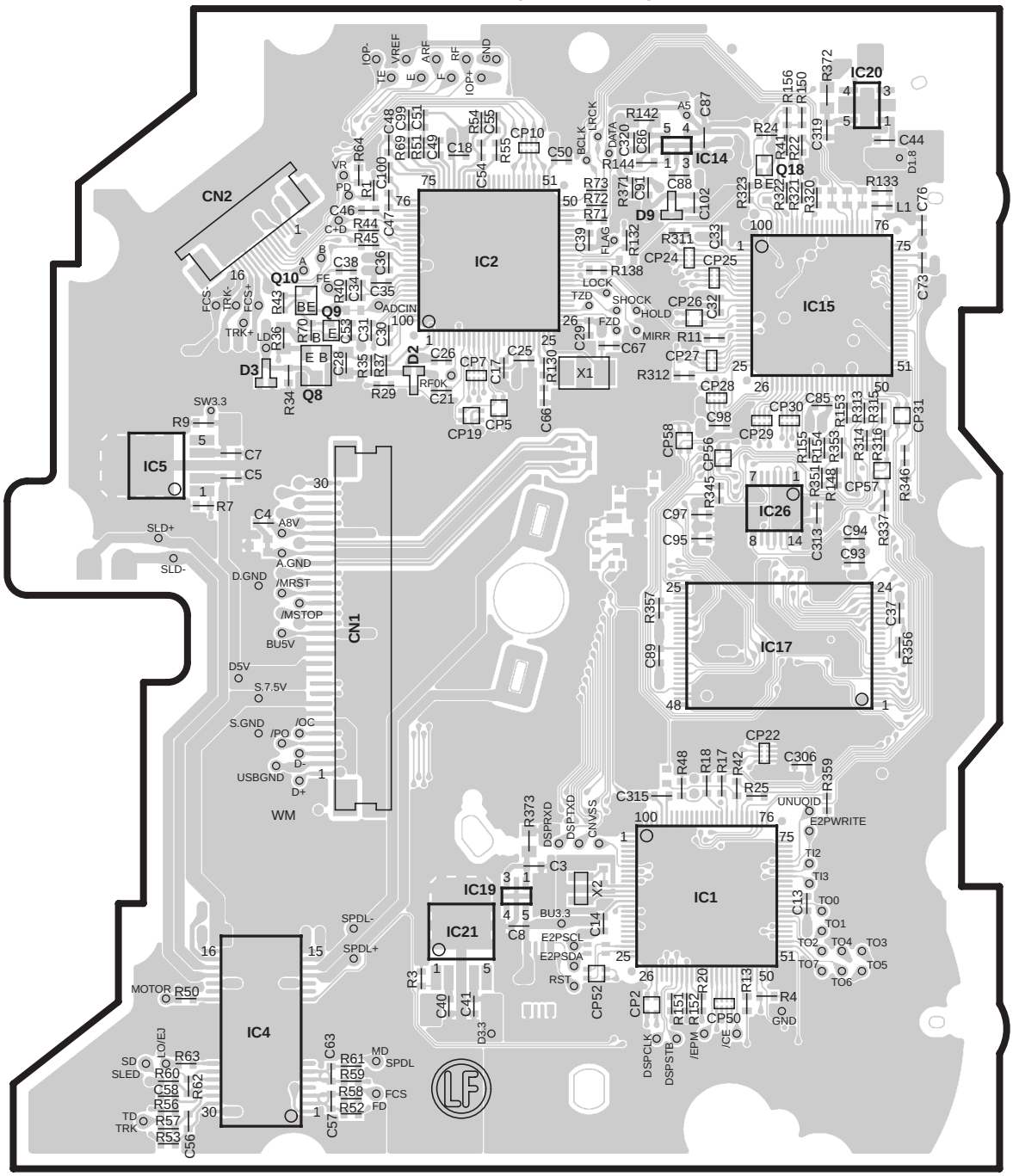
X32-5870-00

Ref. No.	Address	Ref. No.	Address
IC13	2AG	Q3	5AG
IC16	3AF	Q6	5AG
IC18	2AF	Q7	4AH
IC25	4AF	Q16	5AF
IC28	3AF	Q17	4AG

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

PC BOARD (FOIL SIDE VIEW)

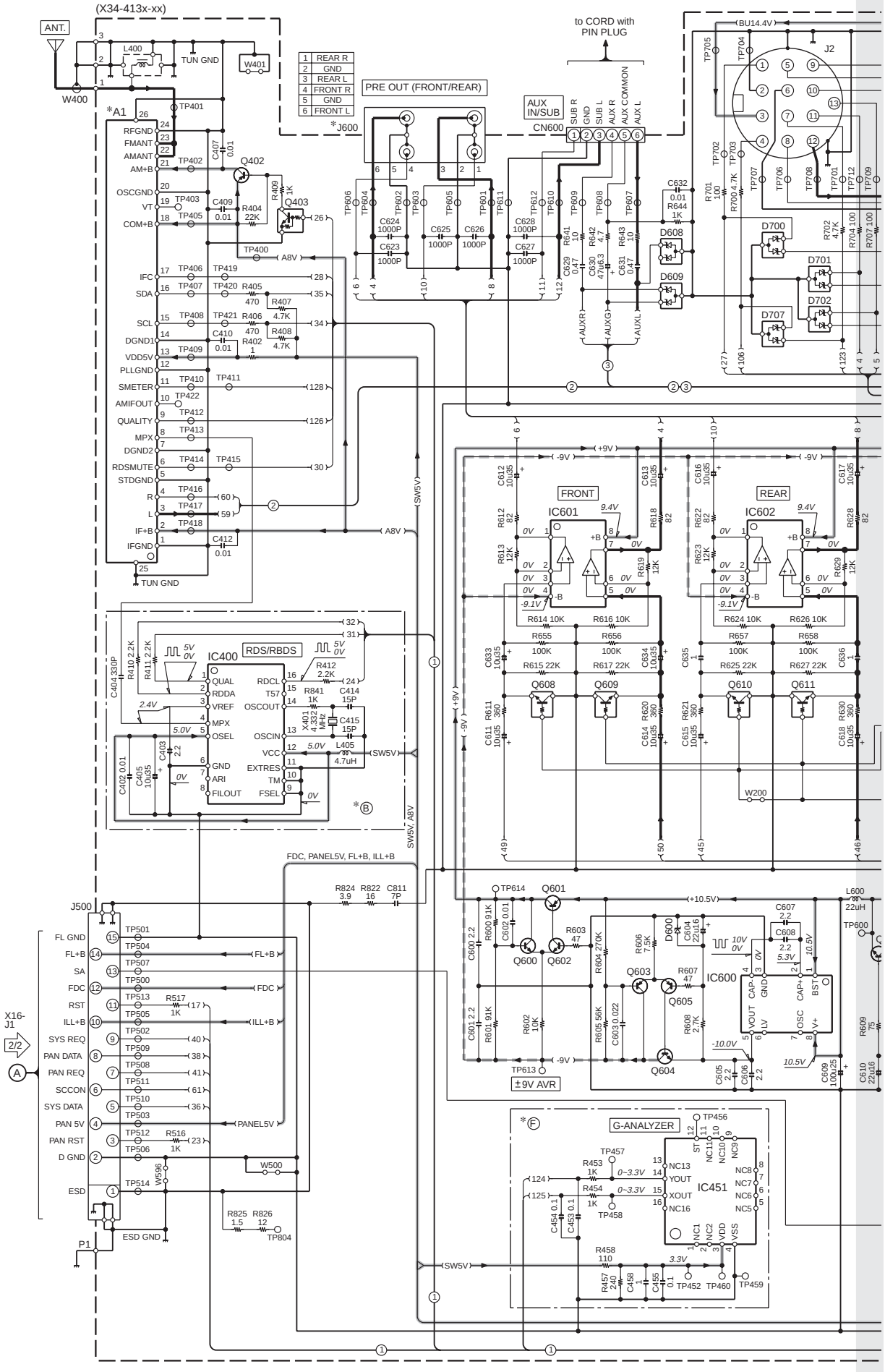
CD PLAYER UNIT X32-5870-00 (J76-0214-02)

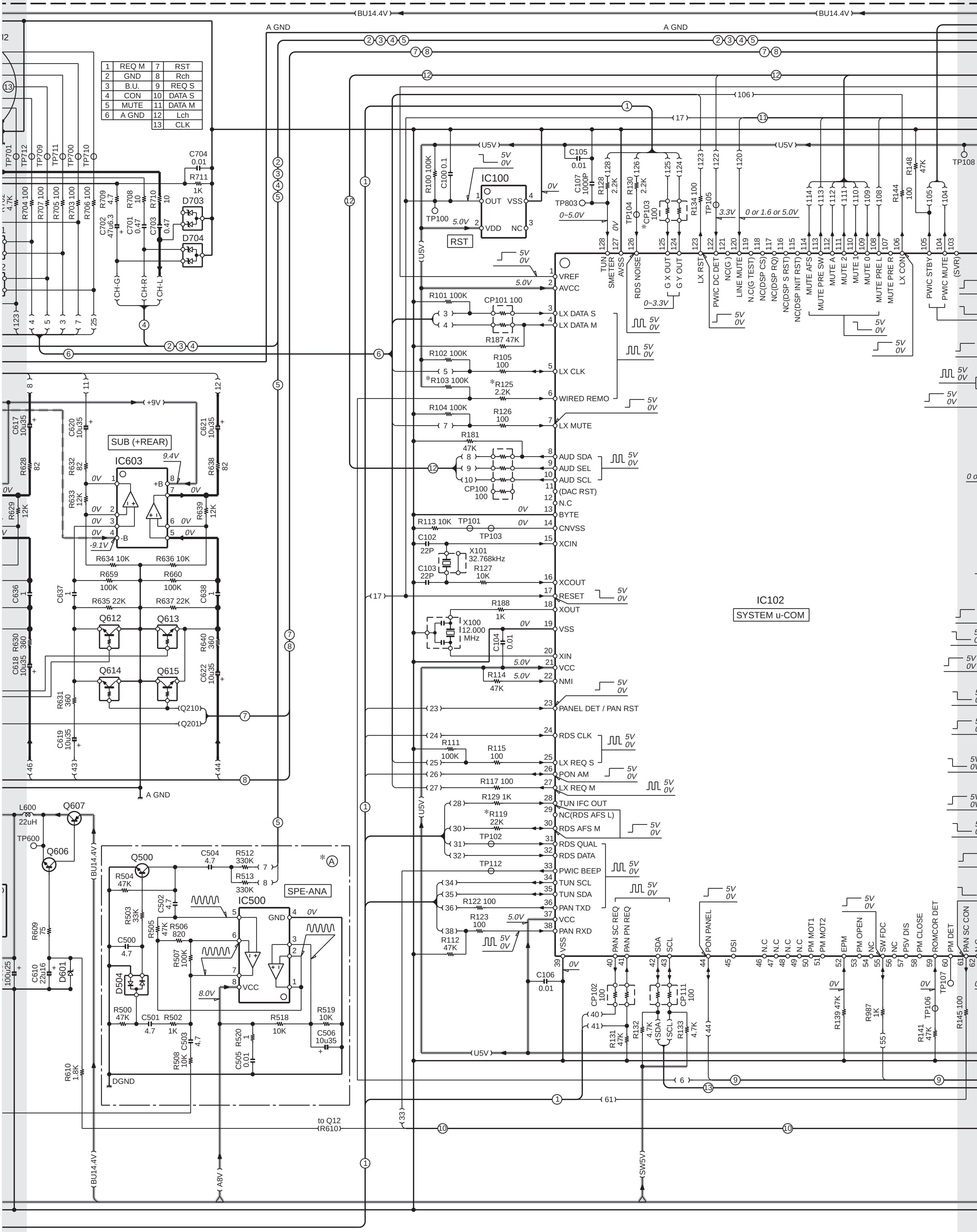


X32-5870-00

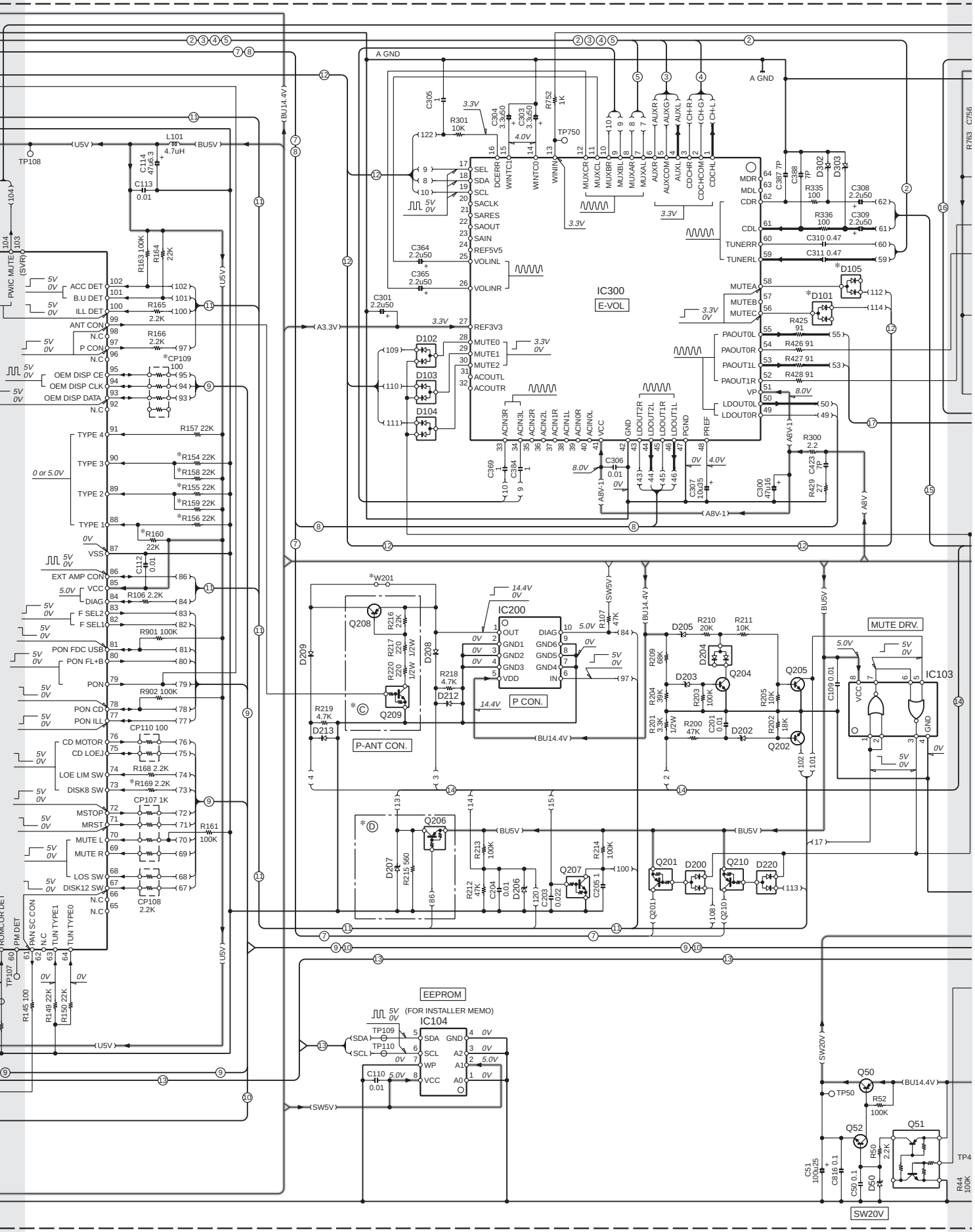
Ref. No.	Address	Ref. No.	Address	Ref. No.	Address
IC1	5AM	IC15	3AM	IC26	3AM
IC2	2AL	IC17	4AM	Q8	3AK
IC4	5AK	IC19	5AL	Q9	3AK
IC5	3AJ	IC20	2AM	Q10	2AK
IC14	2AM	IC21	5AL	Q18	2AM

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

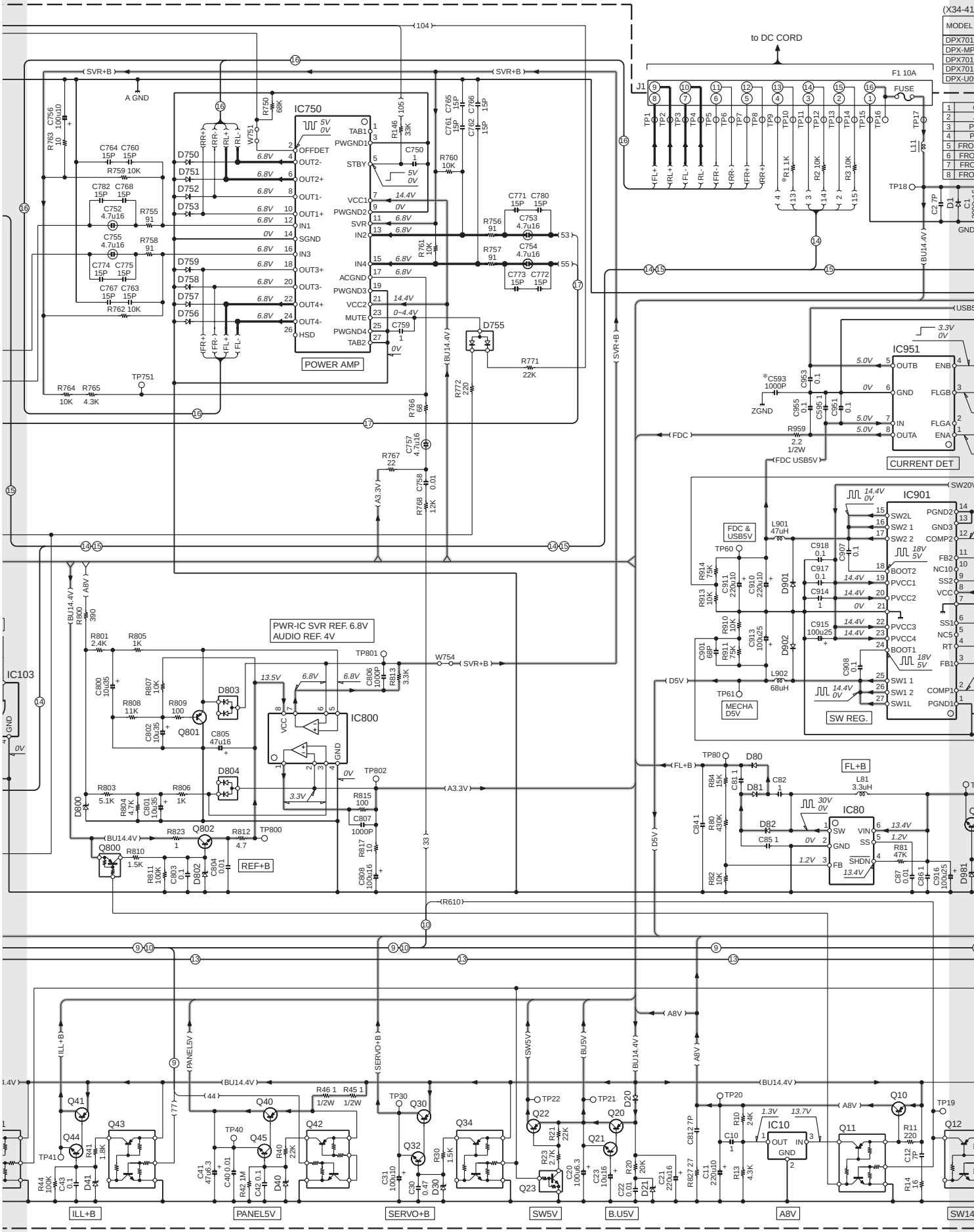

(X34-413x-xx)
ANT.
W400
L400
TUN GND
W401
*A1
RFGND
FMANT
AMANT
AM+B
OSCGND
VT
COM+B
IFC
SDA
SCL
DGND1
VDD5V
PLLGND
SMETER
AMIFOUT
QUALITY
MPX
DGND2
RDSMUTE
STDGND
R
L
IF+B
IFGND
TUN GND
Q402
Q403
A8V
SW5V
PRE OUT (FRONT/REAR)
*J600
1 REAR R
2 GND
3 REAR L
4 FRONT R
5 GND
6 FRONT L
to CORD with PIN PLUG
AUX IN/SUB
CN600
SUB R
SUB GND
SUB L
AUX R
AUX COMMON
AUX L
J2
BU14.4V
D700
D701
D702
D707
D608
D609
FRONT
REAR
IC601
IC602
9.4V
-9V
+9V
R614 10K
R616 10K
R624 10K
R626 10K
Q608
Q609
Q610
Q611
W200
IC400
RDS/RBDS
X401 4.332 MHz
L405 4.7uH
*B
SW5V, A8V
FDC, PANEL5V, FL+B, ILL+B
J500
FL GND
FL+B
SA
FDC
RST
ILL+B
SYS REQ
PAN DATA
PAN REQ
SCCON
SYS DATA
PAN 5V
PAN RST
D GND
ESD
W596
W500
ESD GND
P1
X16-J1
2/2
R825 1.5
R826 12
TP804
TP614
Q601
Q600
Q602
Q603
Q605
Q604
IC600
+10.5V
-10.0V
10.5V
±9V AVR
L600 22uH
TP600
*F
G-ANALYZER
IC451
TP456
TP457
TP458
TP452
TP460
TP459
0~3.3V
3.3V


1 REQ M
2 GND
3 B.U.
4 CON
5 MUTE
6 A GND
7 RST
8 Rch
9 REQ S
10 DATA S
11 DATA M
12 Lch
13 CLK
A GND
BU14.4V
U5V
IC100
RST
SUB (+REAR)
IC603
SPE-ANA
IC500
IC102
SYSTEM u-COM
VREF
AVCC
LX DATA S
LX DATA M
LX CLK
WIRED REMO
LX MUTE
AUD SDA
AUD SEL
AUD SCL
(DAC RST)
N.C
BYTE
CNVSS
XCIN
XCOUT
RESET
XOUT
VSS
XIN
VCC
NMI
PANEL DET / PAN RST
RDS CLK
LX REQ S
PON AM
LX REQ M
TUN IFC OUT
NC(RDS AFS L)
RDS AFS M
RDS QUAL
RDS DATA
PWIC BEEP
TUN SCL
TUN SDA
PAN TXD
VCC
PAN RXD
A8V
SW5V
to Q12
R610
DGND

DPX701/701U/701UY
DPX-MP7090U



DPX701/701U/701UY
DPX-MP7090U



DPX701/701U/701UY
DPX-MP7090U

(X34-413x-xx)

MODEL NAME	UNIT No.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓕ	A1 (X86-400X-XX)	C552	C593	CN5	CP103	CP109	D101, 705	D105	D706	MECHA	R1	R103,119, 125,712	R154	R155	R156	R158	R159	R160	R169, 555,556	R713-715	W201	J600
DPX701	0-10	—	YES	YES	YES	YES	0-11	—	—	YES	YES	YES	—	—	YES	DXM-6820W	YES	YES	—	—	YES	YES	YES	—	—	—	—	E30-0897-05
DPX-MP7090U	0-21	YES	—	YES	YES	—	0-11	—	—	—	—	—	—	YES	—	DXM-6820W	YES	—	—	—	—	YES	YES	YES	—	—	—	E30-0896-05
DPX701U	2-71	—	YES	—	YES	—	2-70	—	YES	YES	—	YES	YES	—	YES	DXM-6820W	YES	YES	YES	YES	YES	—	—	—	—	YES	YES	E30-0896-05
DPX701UY	2-72	—	YES	—	YES	—	2-70	—	YES	YES	—	YES	YES	—	YES	DXM-6820W	YES	YES	YES	YES	—	—	—	YES	—	YES	YES	E30-0896-05
DPX-U099	0-01	YES	—	YES	—	—	0-01	YES	—	—	—	—	—	YES	—	DXM-6822W	—	—	—	YES	—	YES	—	YES	YES	—	—	E30-0897-05

1	GND	9	REAR Lch+
2	ACC	10	REAR Lch-
3	P-CON	11	REAR Rch-
4	P-ANT	12	REAR Rch+
5	FRONT Rch+	13	EXT CONT
6	FRONT Rch-	14	PHONE
7	FRONT Lch-	15	ILLUM
8	FRONT Lch+	16	B.U.

CN550
30 D OUT
29 12EJE SW
28 LOS SW
27 MS CLK
26 MSDA
25 AUDIO 8V
24 L ch
23 A GND
22 R ch
21 MUTE R
20 MUTE L
19 M RST
18 M STOP
17 8EJE SW
16 LOE/LIM SW
15 BU 5V
14 D GND
13 D GND
12 D5.0V
11 D5.0V
10 LO/EJ
9 MOSW
8 SERVO +B
7 SERVO GND
6 USB GND
5 OC
4 PO
3 D-
2 USB GND
1 D+

MECHA I/F
to MECHANISM ASS'Y
X92-558 (DXM-6820W,6822W,6824W)

CN900
5 D-
4 USB GND
3 D+
2 VBUS5V
1 ESD (DGND)

(X89-2830-10)
WH1
NC
USB GND
D+
D-
VBUS 5V
J1
TP4
TP3
TP2
TP1
TP5
USB CONNECTOR

CN5
EXTERNAL DISPLAY & STEERING REMOTE CORD
REMO
O-DATA
O-REQ
O-CE
O-CLK

*CN5
1 ESD
2 REMO
3 DATA
4 CLK
5 CE
DIN CONNECTOR

SW FL+B
SW14V

D1	: S2V60*A
D20	: RB160L-40
D21,40,302,303,600	: UDZS5.6B
D30	: UDZS8.2B
D41	: 02DZ11F-Y
D50	: UDZS20B
D80-82	: RB060L-40
D101-105,200,204,220	: DAP202U
D202	: UDZS6.2B
D203,205,800	: UDZS6.8B
D206	: UDZS4.7B
D207	: 02DZ5.6F-Y
D208,209,212,213,750-753, 756-759	: 1SR154-400
D504	: DA204U
D550,551	: IMSA-6802-E
D601	: UDZS11B
D608,609,952	: STZ6.8N
D700-707	: STZ6.2N
D754,755,803,804	: DAP222
D802	: UDZS16B
D901	: NSQ03A04G
D902	: SFPB-54VNF
D981	: UDZS15B

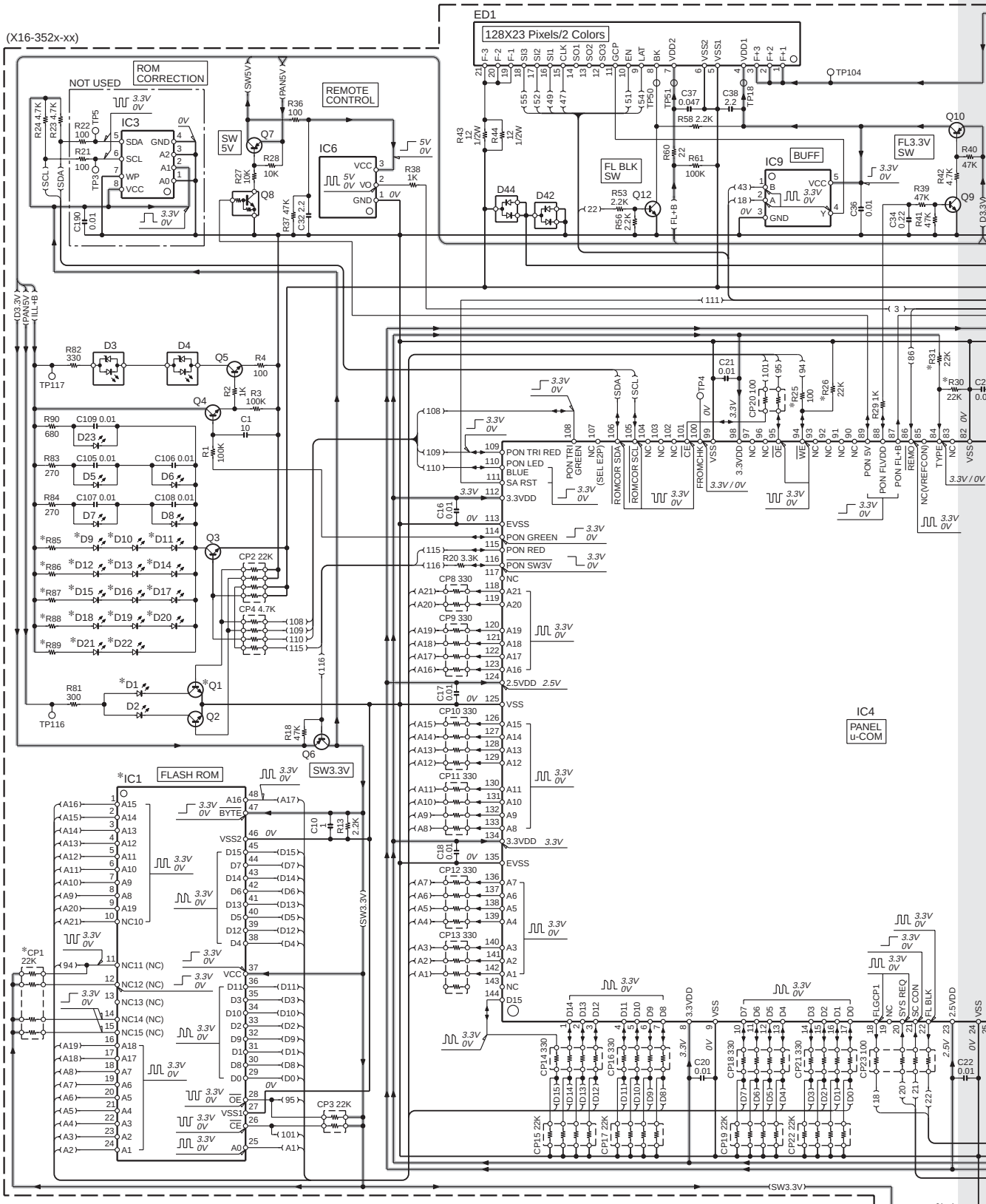
Q10,20,30,40	: 2SB1565
Q11,12,34,43,51	: UMC2N
Q21,45,982	: 2SD2351(W)
Q22	: 2SA1577
Q23,403	: DTC124EUA
Q32,44,202,204,205, 600,602,604,606	: 2SC4081
Q41,607	: 2SB1443
Q42,983	: UMD12N
Q50	: 2SB1449(R)-E
Q52,802	: 2SC2873-F
Q201,210,800	: DTA124EUA
Q206	: DTA123JK
Q207	: DTC144EUA
Q208	: 2SB1184
Q209	: DTC114YUA
Q402	: 2SB1689
Q500	: 2SC4617
Q601,603,605	: 2SA1576A
Q608-615,901,902	: DTC143TUA
Q801	: 2SA1774
Q903	: UMG2N
Q981	: 2SB1188(R)

IC10	: M5237ML-CF0J
IC80	: LT3467A
IC100	: S-80836CNNB-J
IC102	: 30625MGPA87GP
IC103	: TC7W02FU-F
IC104	: BR24L04FV-W
IC200	: TPD1018F-F
IC300	: E-TDA7415C
IC400	: E-TDA7479AD
IC451	: MMA6261QR2
IC500,800	: RC4580IDR
IC600	: ICL7660SIBAZ
IC601-603	: NJM4565V-ZB
IC750	: E-TDA7560A
IC901	: BD9302FP
IC951	: MIC2026-1YM

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.

SIGNAL LINE
GND LINE
+B LINE
−B LINE

DPX701/701U/701UY, DPX-MP7090U (1/2)



(X16-352x-xx)

MODEL NAME	UNIT No.	Ⓐ	C8,11-13,15	CP1	D1	D9-22	IC1
DPX701	K	0-10	—	—	—	YES	B30-1567-05	MX231613TI7V4
DPX-MP7090U	M1	0-21	—	YES	—	YES	B30-1690-05	MX231613TI7V4
DPX701U	E1	2-71	YES	—	—	YES	B30-1567-05	MX231613TI7V4
DPX701Y	E2	2-72	YES	—	—	YES	B30-1690-05	MX231613TI7V4
DPX-U099	J	0-01	—	YES	YES	—	B30-1567-05	S29JL32H7I7V5

MODEL NAME	UNIT No.	IC2	Q1	R10-12, 14-16,19,51	R25, 31	R26, 30	R85-88	R89
DPX701	K	0-10	—	YES	—	—	YES	510	680
DPX-MP7090U	M1	0-21	YES	**YES**	YES	—	YES	430	620
DPX701U	E1	2-71	—	YES	—	—	YES	510	680
DPX701Y	E2	2-72	—	YES	—	—	YES	430	620
DPX-U099	J	0-01	YES	—	YES	YES	—	510	680

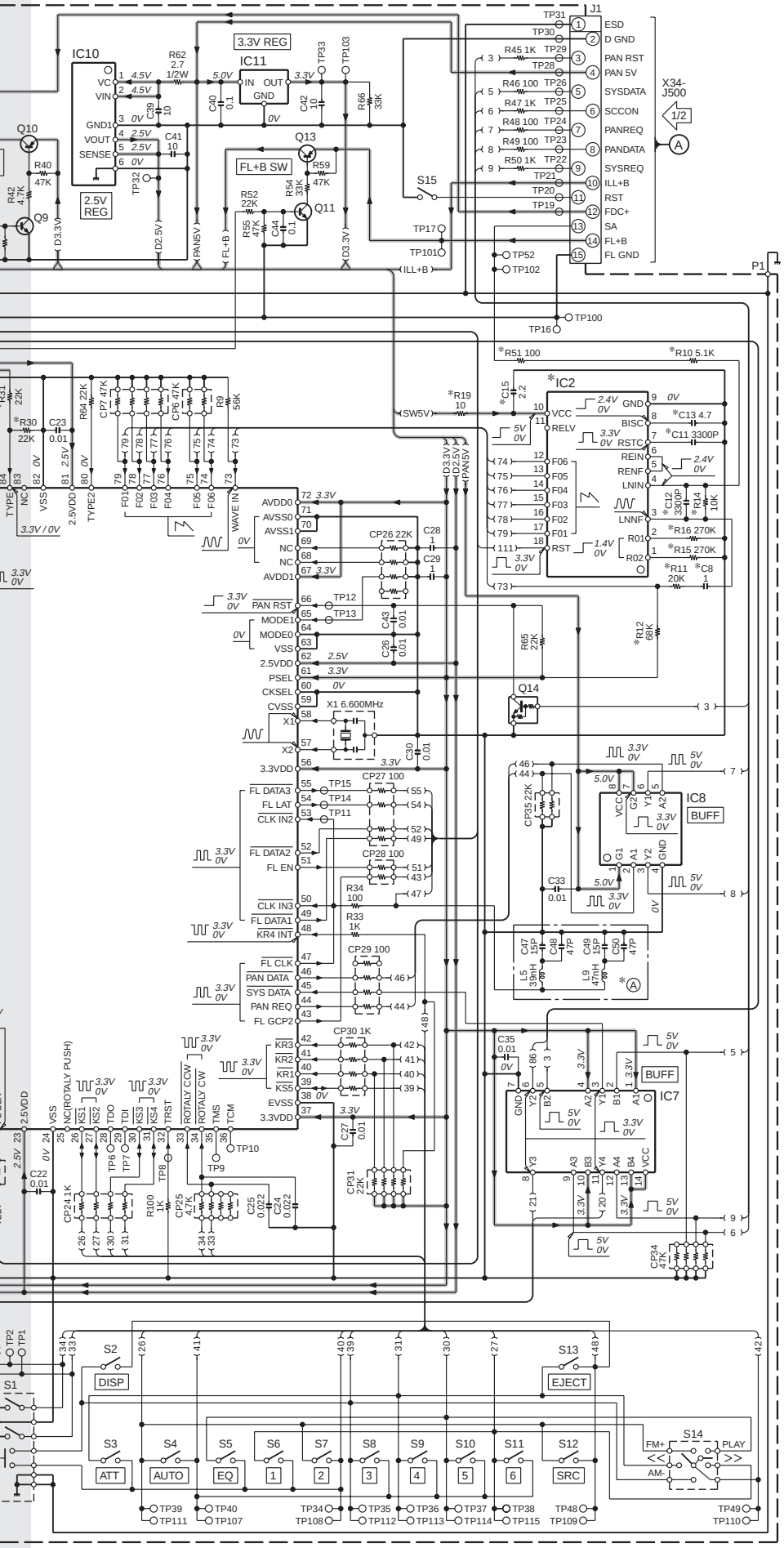
IC1 : *
IC2 : BA3830F
IC3 : NOT USED
IC4 : 703134AGJ011A
IC6 : PNA4S22M02KW
IC7 : TC74LVX08FT
IC8 : TC7WT126FU-F
IC9 : TC7SH32FU-F
IC10 : SI-3025KMNF
IC11 : SI-3033LUSNF

Q1,2,4,5,9 : 2SC4617
Q3 : 2SD2351(W)
Q6 : 2SB1689
Q7,10 : 2SA1774
Q8 : DTC143ZE
Q11 : 2SC2713-F
Q12 : 2SC4667-F
Q13 : 2SB1198K
Q14 : DTC144EUA

D1 : B30-1690-05
D2 : B30-1567-05
D3,4 : B30-1758-05
D5-8,23 : B30-1731-05
D9-22 : *
D42,44 : DA204U

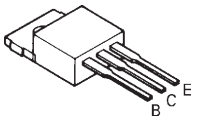
GND LINE
+B LINE

DPX701/701U/701UY
DPX-MP7090U



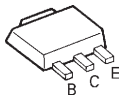
DPX701/701U/701UY
DPX-MP7090U (2/2)

2SB1565

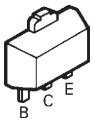


DTA123JK
DTA143ZE
DTC114YE
DTC114YUA
DTC124EE
DTC143TUA
DTC143ZE
2SA1576A
2SC2713-F
2SC4617

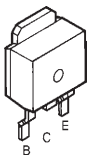
2SB1188



2SC2873-F



2SB1184



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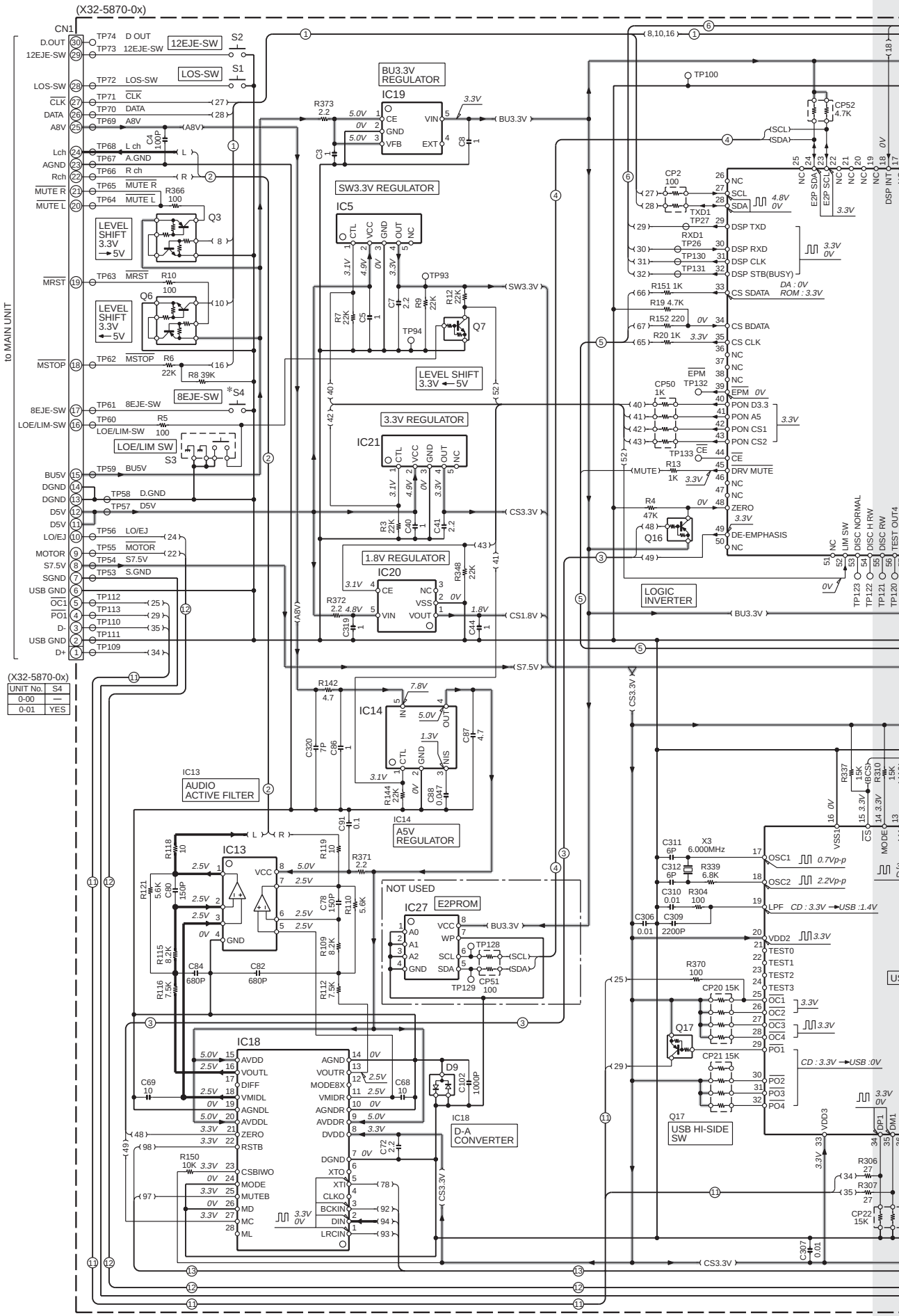
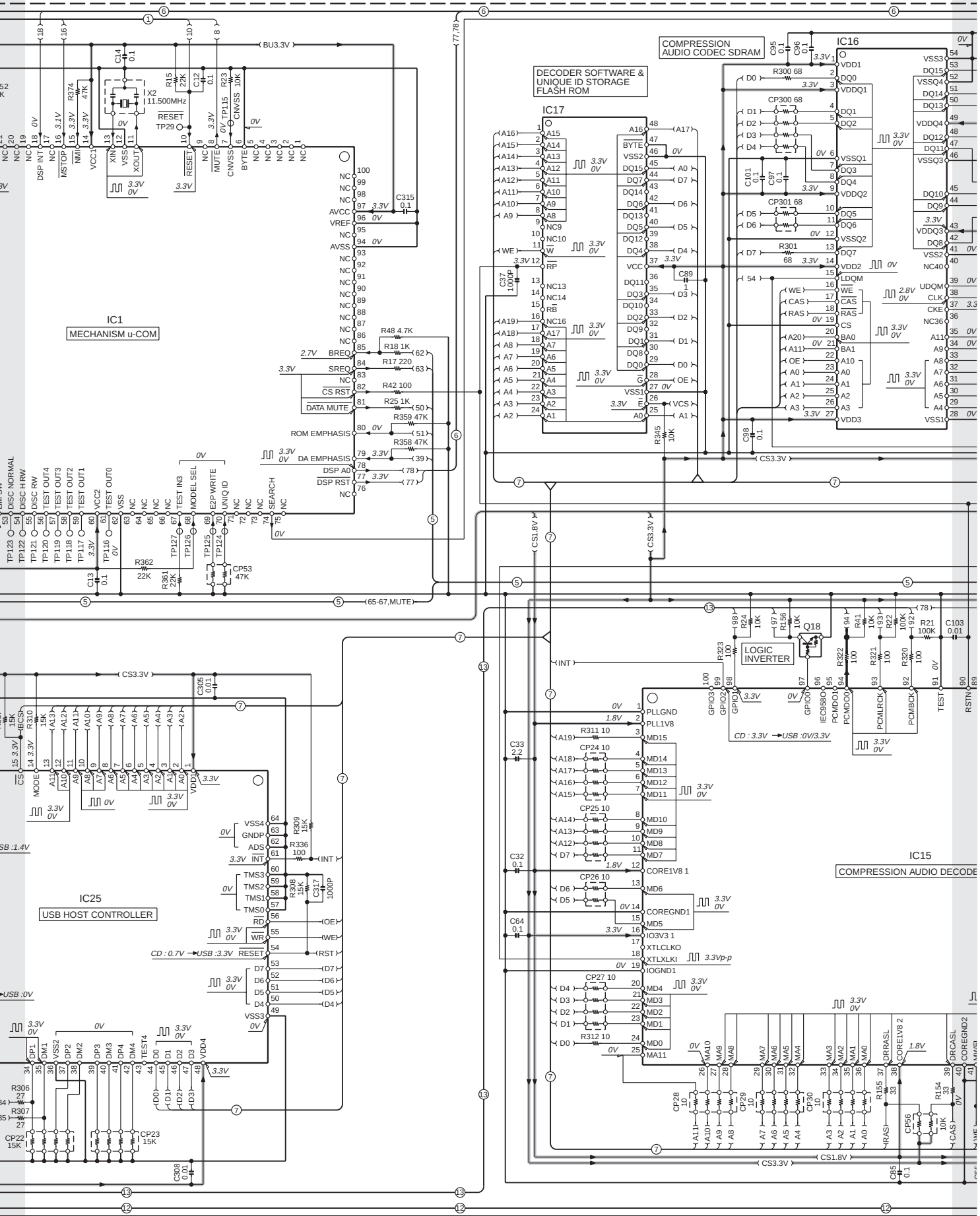
⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

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

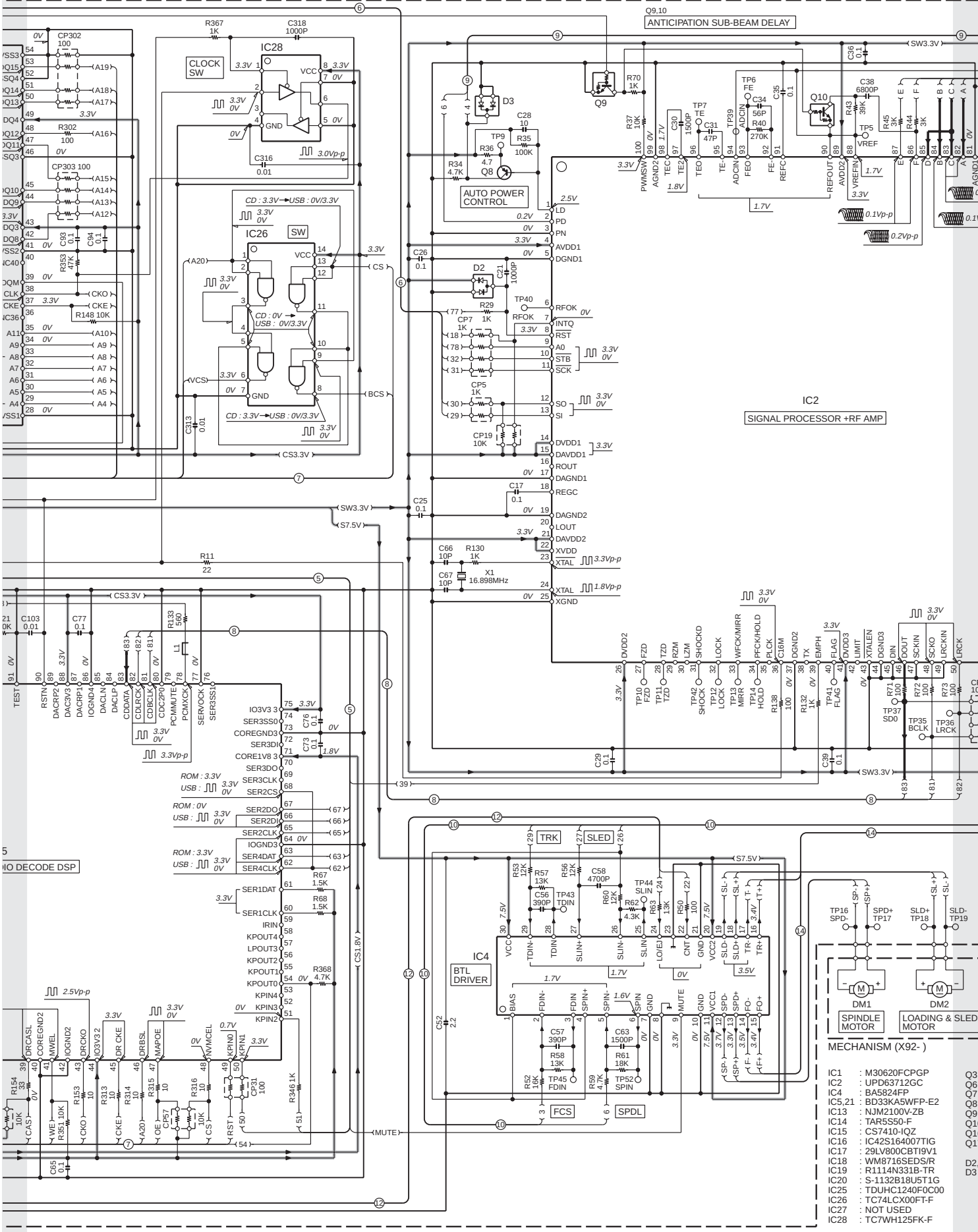


(X32-5870-0x)	
UNIT No.	S4
0-00	—
0-01	YES

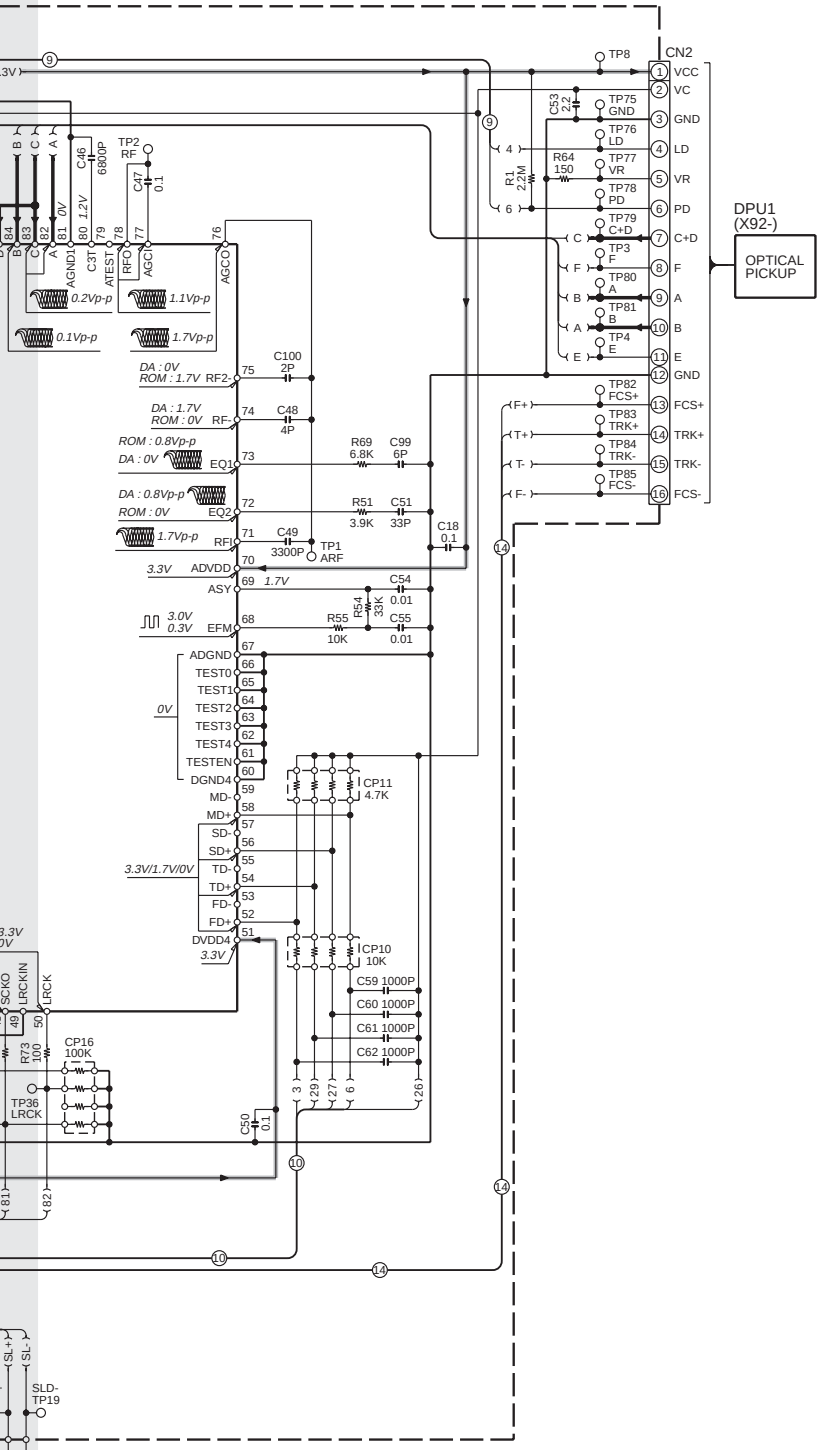
DPX701/701U/701UY
DPX-MP7090U



DPX701/701U/701UY
DPX-MP7090U



DPX701/701U/701UY
DPX-MP7090U

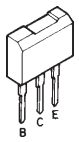


Q3 : UMD9N
Q6 : UMD12N
Q7 : DTC124EE
Q8 : 2SB0970
Q9,18 : DTC114YE
Q10 : DTC114YUA
Q16 : DTA143ZE
Q17 : DTA143XUA

D2,9 : DA204U
D3 : DAN202U

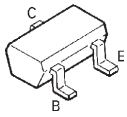
SIGNAL LINE
GND LINE
+B LINE

2SB1443

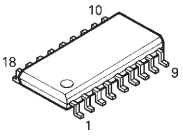


DAP202U
DA204U

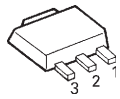
2SA1774
2SC4081



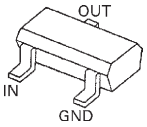
BA3830F



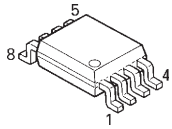
M5237ML-CF0J



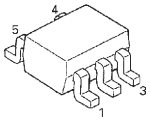
DTA124EUA
DTC124EUA
DTC144EUA



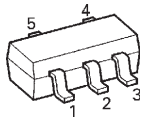
NJM2100V-ZB



UMC2N



TC7SH32FU-F



DAN202U

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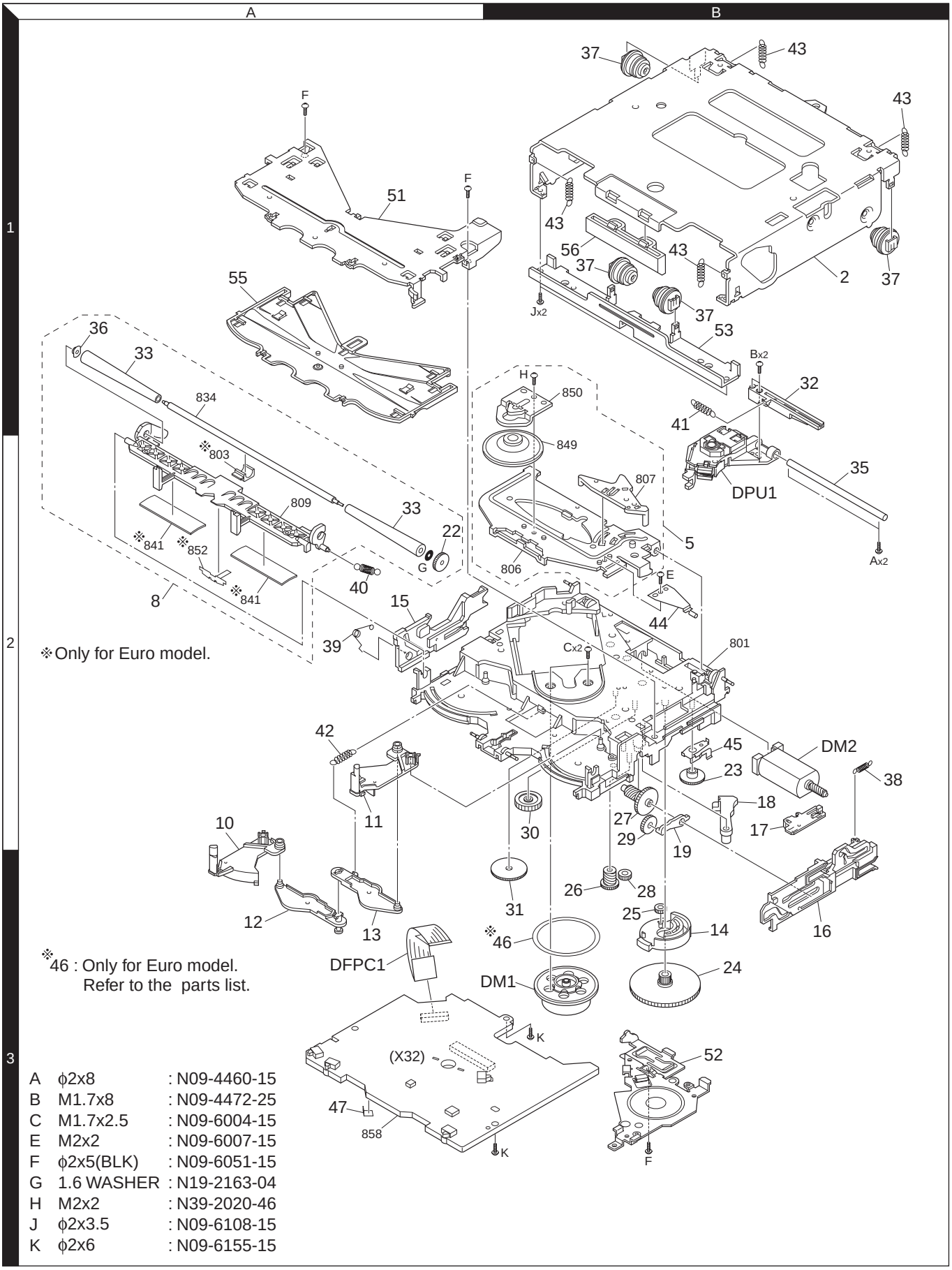
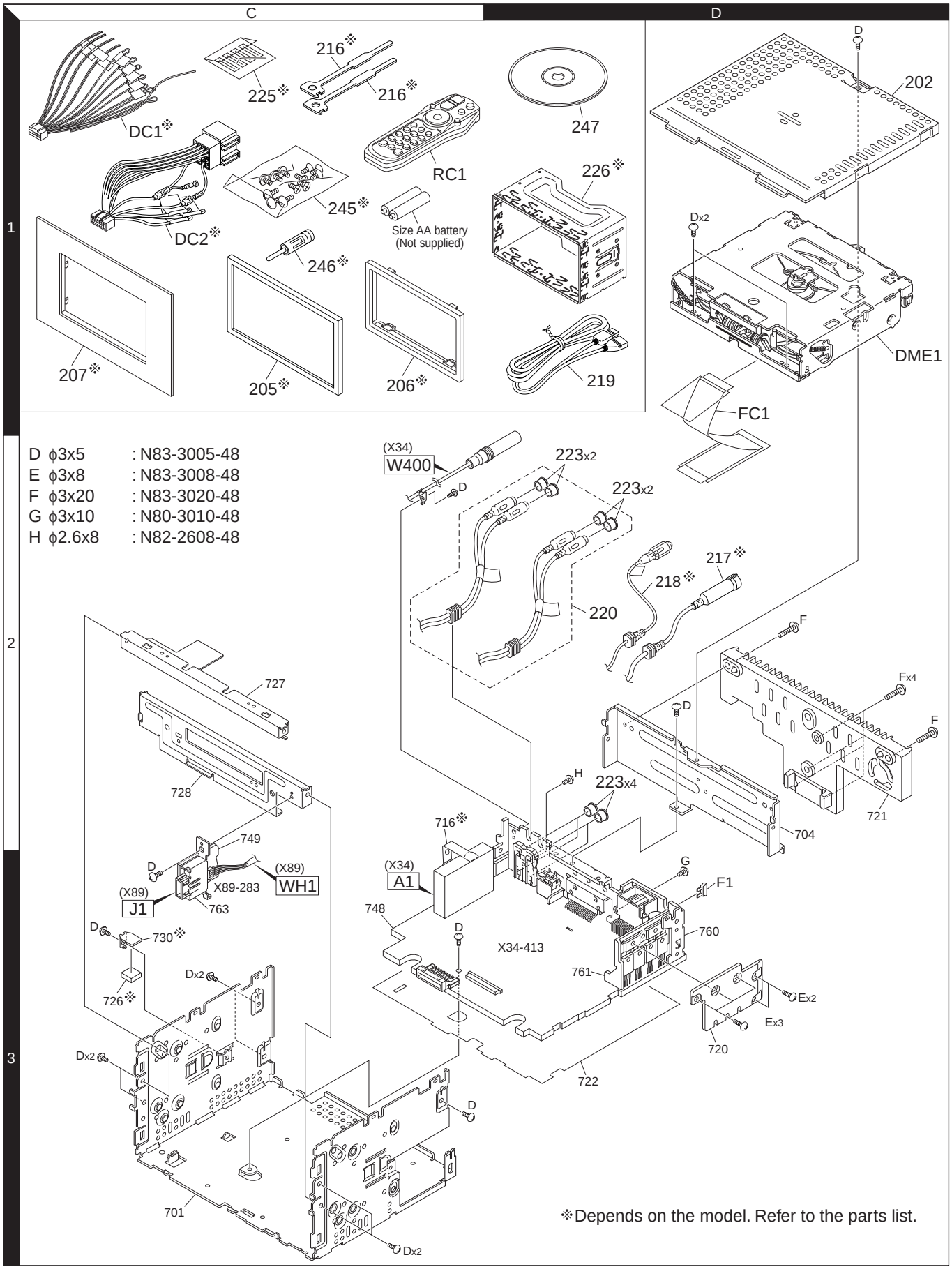
EXPLODED VIEW (CD MECHANISM)



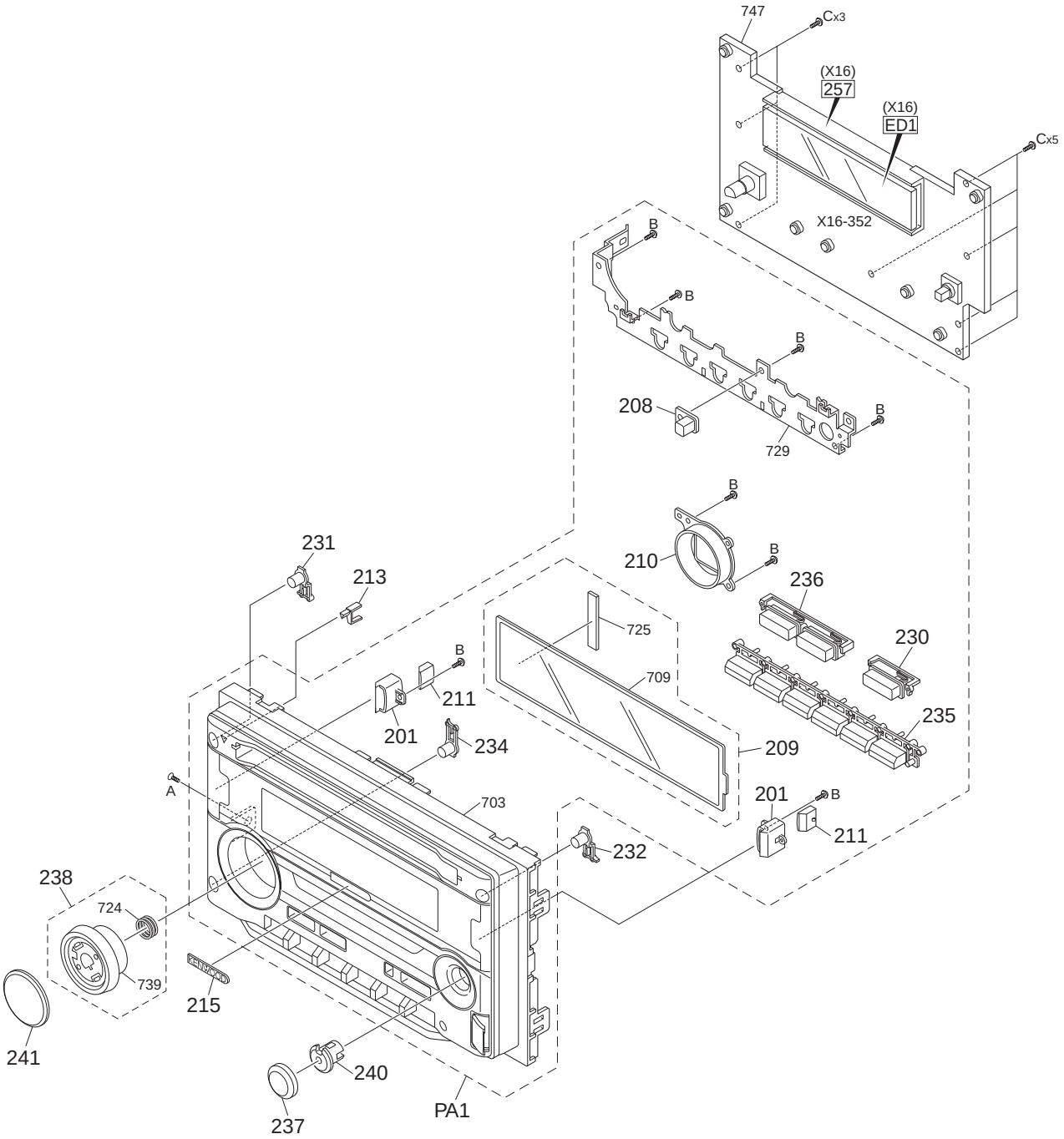
EXPLODED VIEW (UNIT)



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

EXPLODED VIEW (PANEL)

A φ2.6x6 : N78-2660-48
B φ2x6 : N80-2006-48
C φ2x8 : N80-2008-48



PARTS LIST

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

Ref. No.	Add	New	Parts No.	Description	Destination
DPX701/701U/701UY, DPX-MP7090U					
201	2E		A33-0642-03	REFLECTOR	
202	1D	✻	A52-0872-12	TOP PLATE	
PA1	3E	✻	A64-3813-02	PANEL ASSY	K
PA1	3E	✻	A64-3816-02	PANEL ASSY	M1
PA1	3E	✻	A64-3870-02	PANEL ASSY	E1E2
RC1	1C		A70-2067-15	REMOTE CONTROLLER ASSY (RC-527)	
-			B46-0612-14	ID CARD	E1E2
-			B46-0682-00	WARRANTY CARD	KM1E1
-			B59-1850-00	SUB-INSTRUCTION MANUAL	
-		✻	B64-3396-00	INSTRUCTION MANUAL (ENGLISH)	K
-		✻	B64-3397-00	INSTRUCTION MANUAL (FRENCH)	K
-		✻	B64-3398-00	INSTRUCTION MANUAL (SPANISH)	K
-		✻	B64-3399-00	INSTRUCTION MANUAL (ENGLISH)	M1
-		✻	B64-3400-00	INSTRUCTION MANUAL (T-CHINESE)	M1
-		✻	B64-3401-00	INSTRUCTION MANUAL (KOREAN)	M1
-		✻	B64-3402-00	INSTRUCTION MANUAL (ENGLISH)	E1E2
-		✻	B64-3403-00	INSTRUCTION MANUAL (FRENCH)	E1
-		✻	B64-3404-00	INSTRUCTION MANUAL (GERMAN)	E1
-		✻	B64-3405-00	INSTRUCTION MANUAL (DUTCH)	E1
-		✻	B64-3406-00	INSTRUCTION MANUAL (ITALIAN)	E1
-		✻	B64-3407-00	INSTRUCTION MANUAL (SPANISH)	E1
-		✻	B64-3408-00	INSTRUCTION MANUAL (PORTUGUESE)	E1
-		✻	B64-3409-00	INSTRUCTION MANUAL (RUSSIAN)	E2
205	1C		B07-3046-04	ESCUTCHEON ASSY	M1
206	1C		B07-3165-02	ESCUTCHEON	KE1E2
207	1C		B07-3172-12	ESCUTCHEON	KE1E2
208	3F		B10-4811-03	FRONT GLASS	
209	2F	✻	B10-4787-03	FRONT GLASS ASSY	
210	2F		B19-2368-03	LIGHTING BOARD	
211	2E		B19-2370-04	LIGHTING BOARD	
213	2E		B19-2373-03	LIGHTING BOARD	
215	3E		B43-1535-04	BADGE	
216	1C		D10-4589-04	LEVER	KE1E2
217	2D		E30-6292-15	CORD WITH DIN CONNECTOR	E1E2
218	2D		E30-6533-05	CORD WITH CONNECTOR (WIREDREMO	K
219	1D	✻	E30-6535-05	CORD WITH CONNECTOR (USB)	
220	2D	✻	E30-6537-05	CORD WITH PINPLUG	M1E1E2
220	2D	✻	E30-6540-05	CORD WITH PINPLUG	K
⚠ DC1	1C		E30-6408-05	DC CORD	KM1
⚠ DC2	1C		E30-6412-05	DC CORD	E1E2
FC1	1D	✻	E39-0812-05	FLAT CABLE (30P)	
223	2D		F29-0626-04	INSULATING COVER	
⚠ F1	3D		F52-0006-05	FUSE (MINI BLADE TYPE) 10A	
-			H10-4970-02	POLYSTYRENE FOAMED FIXTURE	M1
-			H10-4971-02	POLYSTYRENE FOAMED FIXTURE	KE1E2
-			H25-0337-04	PROTECTION BAG (180X300X0.03)	
-			H25-1164-04	PROTECTION BAG (0.5X350X480)	
-			H25-1170-04	PROTECTION BAG	M1
-		✻	H54-3662-03	ITEM CARTON CASE	K
-		✻	H54-3664-03	ITEM CARTON CASE	M1
-		✻	H54-3666-03	ITEM CARTON CASE	E1
-		✻	H54-3667-03	ITEM CARTON CASE	E2
225	1D		H30-0595-04	ADHESIVE DOUBLE-COATED TAPE	KE1E2
226	1D	✻	J22-0429-13	MOUNTING HARDWARE ASSY	KE1E2
230	2F		K24-4445-03	PUSH KNOB (SRC)	
231	2E		K24-4448-03	PUSH KNOB (DISP)	
232	3F		K24-4450-03	PUSH KNOB (EJECT)	
234	2E		K24-4454-03	PUSH KNOB (ATT)	
235	3F		K25-1787-02	PUSH KNOB (PRESET)	
236	2F		K25-1801-03	PUSH KNOB (AUTO)	KM1
236	2F	✻	K25-1820-03	PUSH KNOB (TI)	E1E2
237	3E		K28-0106-03	KEY TOP (CONTROL)	
238	3E		K29-7195-03	KNOB ASSY (VOL)	
240	3E		K29-7197-03	KNOB BASE (CONTROL)	
241	3E		K29-7198-03	KEY TOP (VOL)	
245	1C		N99-1779-05	SCREW SET	KM1
A	3E		N78-2660-48	PAN HEAD TAPTITE SCREW	
B	2F		N80-2006-48	PAN HEAD TAPTITE SCREW	
C	1F		N80-2008-48	PAN HEAD TAPTITE SCREW	
D	3C		N83-3005-48	PAN HEAD TAPTITE SCREW	
E	3D		N83-3008-48	PAN HEAD TAPTITE SCREW	
F	2D		N83-3020-48	PAN HEAD TAPTITE SCREW	
246	1C		T90-0523-05	ANTENNA ADAPTOR	E1E2
247	1C		W01-1673-05	COMPACT DISC	KM1
247	1C		W01-1674-05	COMPACT DISC	E1E2
DME1	1D		X92-5580-00	CD MECHANISM ASSY (DXM-6820W)	KM1
DME1	1D		X92-5580-04	CD MECHANISM ASSY (DXM-6824W)	E1E2

SWITCH UNIT (X16-352x-xx)

D1			B30-1690-05	LED (1608,YG)			
D2			B30-1567-05	LED (1608,RED)			
D3,4			B30-1758-05	LED (1608,BLUE RANK)			
D5-8			B30-1731-05	LED (1608,BLUE)			
D9-22			B30-1567-05	LED (1608,RED)			KE1
D9-22			B30-1690-05	LED (1608,YG)			M1E2
D23			B30-1731-05	LED (1608,BLUE)			
C1			CK73FB0J106K	CHIP C	10UF	K	
C8			CK73GB1A105K	CHIP C	1.0UF	K	M1
C10			CK73GB1A105K	CHIP C	1.0UF	K	
C11,12			CK73GB1H332K	CHIP C	3300PF	K	M1
C13			CK73EB1A475K	CHIP C	4.7UF	K	M1
C15			CK73FB1A225K	CHIP C	2.2UF	K	M1
C16-18			CK73GB1H103K	CHIP C	0.010UF	K	
C20-23			CK73GB1H103K	CHIP C	0.010UF	K	
C24,25			CK73GB1H223K	CHIP C	0.022UF	K	
C26,27			CK73GB1H103K	CHIP C	0.010UF	K	
C28,29			CK73GB1A105K	CHIP C	1.0UF	K	
C30			CK73GB1H103K	CHIP C	0.010UF	K	
C32			CK73FB1A225K	CHIP C	2.2UF	K	
C33			CK73GB1H103K	CHIP C	0.010UF	K	
C34			CK73GB1C224K	CHIP C	0.22UF	K	

E1 : DPX701U **E2** : DPX701UY (Europe)
K : DPX701 (North America)
M1 : DPX-MP7090U (Other Areas)

⚠ Indicates safety critical components.

PARTS LIST

SWITCH UNIT (X16-352x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination
C35,36			CK73GB1H103K	CHIP C 0.010UF K	
C37			C93-1217-05	CHIP C 0.047UF 100WV	
C38			CK73FB1A225K	CHIP C 2.2UF K	
C39			CK73FB0J106K	CHIP C 10UF K	
C40			CK73GB1H104K	CHIP C 0.10UF K	
C41,42			CK73FB0J106K	CHIP C 10UF K	
C43			CK73GB1H103K	CHIP C 0.010UF K	
C44			CK73GB1H104K	CHIP C 0.10UF K	
C47			CC73GCH1H150J	CHIP C 15PF J	E1E2
C48			CC73GCH1H470J	CHIP C 47PF J	E1E2
C49			CC73GCH1H150J	CHIP C 15PF J	E1E2
C50			CC73GCH1H470J	CHIP C 47PF J	E1E2
C105-109			CK73GB1H103K	CHIP C 0.010UF K	
J1			E59-0851-05	RECTANGULAR PLUG	
257	1F	✻	J19-7118-03	HOLDER	
L5			L40-3975-38	SMALL FIXED INDUCTOR (39NH)	E1E2
L9			L40-4775-38	SMALL FIXED INDUCTOR (47NH)	E1E2
X1			L78-1208-05	RESONATOR (6.6M)	
CP2			RK74HB1J223J	CHIP-COM 22K J 1/16W	
CP3			RK74GA1J223J	CHIP-COM 22K J 1/16W	
CP4			RK74HB1J472J	CHIP-COM 4.7K J 1/16W	
CP5			RK74GA1J472J	CHIP-COM 4.7K J 1/16W	
CP6			RK74GA1J473J	CHIP-COM 47K J 1/16W	
CP7			RK74HB1J473J	CHIP-COM 47K J 1/16W	
CP8			RK74GA1J331J	CHIP-COM 330 J 1/16W	
CP9-14			RK74HB1J331J	CHIP-COM 330 J 1/16W	
CP15			RK74HB1J223J	CHIP-COM 22K J 1/16W	
CP16			RK74HB1J331J	CHIP-COM 330 J 1/16W	
CP17			RK74HB1J223J	CHIP-COM 22K J 1/16W	
CP18			RK74HB1J331J	CHIP-COM 330 J 1/16W	
CP19			RK74HB1J223J	CHIP-COM 22K J 1/16W	
CP20			RK74GA1J101J	CHIP-COM 100 J 1/16W	
CP21			RK74HB1J331J	CHIP-COM 330 J 1/16W	
CP22			RK74HB1J223J	CHIP-COM 22K J 1/16W	
CP23			RK74HB1J101J	CHIP-COM 100 J 1/16W	
CP24			RK74HB1J102J	CHIP-COM 1.0K J 1/16W	
CP25			RK74HB1J472J	CHIP-COM 4.7K J 1/16W	
CP26			RK74HB1J223J	CHIP-COM 22K J 1/16W	
CP27			RK74HB1J101J	CHIP-COM 100 J 1/16W	
CP28			RK74GA1J101J	CHIP-COM 100 J 1/16W	
CP29			RK74HB1J101J	CHIP-COM 100 J 1/16W	
CP30			RK74HB1J102J	CHIP-COM 1.0K J 1/16W	
CP31			RK74HB1J223J	CHIP-COM 22K J 1/16W	
CP34			RK74HB1J473J	CHIP-COM 47K J 1/16W	
CP35			RK74GA1J223J	CHIP-COM 22K J 1/16W	
R1			RK73GB2A104J	CHIP R 100K J 1/10W	
R2			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R3			RK73GB2A104J	CHIP R 100K J 1/10W	
R4			RK73FB2B101J	CHIP R 100 J 1/8W	
R9			RK73GB2A563J	CHIP R 56K J 1/10W	
R10			RK73GB2A512J	CHIP R 5.1K J 1/10W	M1
R11			RK73GB2A203J	CHIP R 20K J 1/10W	M1
R12			RK73GB2A683J	CHIP R 68K J 1/10W	M1

Ref. No.	Add	New	Parts No.	Description	Destination
R13			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R14			RK73GB2A103J	CHIP R 10K J 1/10W	M1
R15,16			RK73GB2A274J	CHIP R 270K J 1/10W	M1
R18			RK73GB2A473J	CHIP R 47K J 1/10W	
R19			RK73GB2A100J	CHIP R 10 J 1/10W	M1
R20			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R23,24			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R26			RK73GB2A223J	CHIP R 22K J 1/10W	
R27,28			RK73GB2A103J	CHIP R 10K J 1/10W	
R29			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R30			RK73GB2A223J	CHIP R 22K J 1/10W	
R33			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R34			RK73GB2A101J	CHIP R 100 J 1/10W	
R36			RK73GB2A101J	CHIP R 100 J 1/10W	
R37			RK73GB2A473J	CHIP R 47K J 1/10W	
R38			RK73GB2A102J	CHIP R 1.0K J 1/10W	
R39-41			RK73GB2A473J	CHIP R 47K J 1/10W	
R42			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R43,44			RK73PB2H120J	CHIP R 12 J 1/2W	
R45			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R46			RK73EB2E101J	CHIP R 100 J 1/4W	
R47			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R48-50			RK73EB2E101J	CHIP R 100 J 1/4W	KE1E2
R48-51			RK73EB2E101J	CHIP R 100 J 1/4W	M1
R52			RK73GB2A223J	CHIP R 22K J 1/10W	
R53			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R54			RK73EB2E333J	CHIP R 33K J 1/4W	
R55			RK73GB2A473J	CHIP R 47K J 1/10W	
R56			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R58			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R59			RK73GB2A473J	CHIP R 47K J 1/10W	
R60			RK73FB2B220J	CHIP R 22 J 1/8W	
R61			RK73FB2B104J	CHIP R 100K J 1/8W	
R62			RK73PB2H2R7J	CHIP R 2.7 J 1/2W	
R64,65			RK73GB2A223J	CHIP R 22K J 1/10W	
R66			RK73GB2A333J	CHIP R 33K J 1/10W	
R81			RK73GB2A301J	CHIP R 300 J 1/10W	
R82			RK73FB2B331J	CHIP R 330 J 1/8W	
R83,84			RK73FB2B271J	CHIP R 270 J 1/8W	
R85-88			RK73FB2B431J	CHIP R 430 J 1/8W	M1E2
R85-88			RK73FB2B511J	CHIP R 510 J 1/8W	KE1
R89			RK73EB2E621J	CHIP R 620 J 1/4W	M1E2
R89,90			RK73EB2E681J	CHIP R 680 J 1/4W	KE1
R90			RK73EB2E681J	CHIP R 680 J 1/4W	M1E2
R100			RK73GB2A102J	CHIP R 1.0K J 1/10W	
S2-5			S70-0051-15	TACT SWITCH	
S6-11			S70-0901-05	TACT SWITCH	
S12,13			S70-0051-15	TACT SWITCH	
S14			S70-0106-05	TACT SWITCH	
S15			S70-0051-15	TACT SWITCH	
S1			T99-0457-15	ROTARY ENCODER	
D42			DA204U	DIODE	
D44			DA204U	DIODE	
ED1			JN12823AB	FLUORESCENT INDICATOR TUBE	

E1 : DPX701U **E2** : DPX701UY (Europe)
K : DPX701 (North America)
M1 : DPX-MP7090U (Other Areas)

⚠ Indicates safety critical components.

PARTS LIST

SWITCH UNIT (X16-352x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination
IC1		✻	MX231613TI7V4	ROM IC	
IC2			BA3830F	ANALOGUE IC	M1
IC4			703134AGJ011A	MICROCONTROLLER IC	
IC6			PNA4S22M02KW	ANALOGUE IC	
IC7			TC74LVX08FT	MOS-IC	
IC8			TC7WT126FU-F	MOS-IC	
IC9			TC7SH32FU-F	MOS-IC	
IC10			SI-3025KMNF	ANALOGUE IC	
IC11			SI-3033LUSNF	ANALOGUE IC	
Q1,2			2SC4617	TRANSISTOR	
Q3			2SD2351(W)	TRANSISTOR	
Q4,5			2SC4617	TRANSISTOR	
Q6			2SB1689	TRANSISTOR	
Q7			2SA1774	TRANSISTOR	
Q8			DTC143ZE	DIGITAL TRANSISTOR	
Q9			2SC4617	TRANSISTOR	
Q10			2SA1774	TRANSISTOR	
Q11			2SC2713-F	TRANSISTOR	
Q12			2SC4667-F	TRANSISTOR	
Q13			2SB1198K	TRANSISTOR	
Q14			DTC144EUA	DIGITAL TRANSISTOR	

CD PLAYER UNIT (X32-5870-00)

Ref. No.	Add	New	Parts No.	Description			Destination
C3			CK73GB1A105K	CHIP C	1.0UF	K	
C4			CC73GCH1H101J	CHIP C	100PF	J	
C5			CK73GB1A105K	CHIP C	1.0UF	K	
C7			CK73GB0J225K	CHIP C	2.2UF	K	
C8			CK73GB1A105K	CHIP C	1.0UF	K	
C12-14			CK73GB1H104K	CHIP C	0.10UF	K	
C17,18			CK73GB1H104K	CHIP C	0.10UF	K	
C21			CK73GB1H102K	CHIP C	1000PF	K	
C25,26			CK73GB1H104K	CHIP C	0.10UF	K	
C28			CK73FB0J106K	CHIP C	10UF	K	
C29			CK73GB1H104K	CHIP C	0.10UF	K	
C30			CK73GB1H152K	CHIP C	1500PF	K	
C31			CC73GCH1H470J	CHIP C	47PF	J	
C32			CK73GB1H104K	CHIP C	0.10UF	K	
C33			CK73GB0J225K	CHIP C	2.2UF	K	
C34			CC73GCH1H560J	CHIP C	56PF	J	
C35,36			CK73GB1H104K	CHIP C	0.10UF	K	
C37			CK73GB1H102K	CHIP C	1000PF	K	
C38			CK73GB1H682K	CHIP C	6800PF	K	
C39			CK73GB1H104K	CHIP C	0.10UF	K	
C40			CK73GB1A105K	CHIP C	1.0UF	K	
C41			CK73GB0J225K	CHIP C	2.2UF	K	
C44			CK73GB1A105K	CHIP C	1.0UF	K	
C46			CK73GB1H682K	CHIP C	6800PF	K	
C47			CK73GB1H104K	CHIP C	0.10UF	K	
C48			CC73GCH1H040C	CHIP C	4.0PF	C	
C49			CK73GB1H332K	CHIP C	3300PF	K	
C50			CK73GB1H104K	CHIP C	0.10UF	K	
C51			CC73GCH1H330J	CHIP C	33PF	J	
C52			CK73FB1A225K	CHIP C	2.2UF	K	
C53			CK73GB0J225K	CHIP C	2.2UF	K	
C54,55			CK73GB1H103K	CHIP C	0.010UF	K	
C56,57			CC73GCH1H391J	CHIP C	390PF	J	
C58			CK73GB1H472K	CHIP C	4700PF	K	
C59-62			CK73GB1H102K	CHIP C	1000PF	K	
C63			CK73GB1H152K	CHIP C	1500PF	K	
C64,65			CK73GB1H104K	CHIP C	0.10UF	K	
C66,67			CC73GCH1H100D	CHIP C	10PF	D	
C68,69			CK73FB0J106K	CHIP C	10UF	K	
C72			CK73GB0J225K	CHIP C	2.2UF	K	
C73			CK73GB1H104K	CHIP C	0.10UF	K	
C76,77			CK73GB1H104K	CHIP C	0.10UF	K	
C78			CC73GCH1H151J	CHIP C	150PF	J	
C80			CC73GCH1H151J	CHIP C	150PF	J	
C82			CC73GCH1H681J	CHIP C	680PF	J	
C84			CC73GCH1H681J	CHIP C	680PF	J	
C85			CK73GB1H104K	CHIP C	0.10UF	K	
C86			CK73GB1A105K	CHIP C	1.0UF	K	
C87			CK73GB0J475K	CHIP C	4.7UF	K	
C88			CK73GB1H473K	CHIP C	0.047UF	K	
C89			CK73GB1A105K	CHIP C	1.0UF	K	
C91			CK73GB1H104K	CHIP C	0.10UF	K	
C93-98			CK73GB1H104K	CHIP C	0.10UF	K	
C99			CC73GCH1H060D	CHIP C	6.0PF	D	
C100			CC73GCH1H020C	CHIP C	2.0PF	C	
C101			CK73GB1H104K	CHIP C	0.10UF	K	
C102			CC73GCH1H101J	CHIP C	100PF	J	
C103			CK73GB1H103K	CHIP C	0.010UF	K	
C305-308			CK73GB1H103K	CHIP C	0.010UF	K	
C309			CK73GB1H222K	CHIP C	2200PF	K	
C310			CK73GB1H103K	CHIP C	0.010UF	K	
C311,312			CC73GCH1H060D	CHIP C	6.0PF	D	
C313			CK73GB1H103K	CHIP C	0.010UF	K	
C315			CK73GB1H104K	CHIP C	0.10UF	K	
C316			CK73GB1H103K	CHIP C	0.010UF	K	
C317,318			CK73GB1H102K	CHIP C	1000PF	K	
C319			CK73GB1A105K	CHIP C	1.0UF	K	
C320			CC73GCH1H070D	CHIP C	7.0PF	D	
CN1			E41-2630-05	FLAT CABLE CONNECTOR			
CN2			E41-2612-05	FLAT CABLE CONNECTOR			
L1			L92-0615-05	CHIP FERRITE			
X1			L77-2863-05	CRYSTAL RESONATOR (16.899M)			
X2			L78-1215-05	RESONATOR (11.500MHZ)			
X3			L77-2923-05	CRYSTAL RESONATOR (6.000MHZ,LF)			
CP2			RK74GA1J101J	CHIP-COM	100	J 1/16W	
CP5			RK74GA1J102J	CHIP-COM	1.0K	J 1/16W	
CP7			RK74HB1J102J	CHIP-COM	1.0K	J 1/16W	
CP10			RK74HB1J103J	CHIP-COM	10K	J 1/16W	
CP11			RK74HB1J472J	CHIP-COM	4.7K	J 1/16W	
CP16			RK74HB1J104J	CHIP-COM	100K	J 1/16W	
CP19			RK74GA1J103J	CHIP-COM	10K	J 1/16W	
CP20-23			RK74HB1J153J	CHIP-COM	15K	J 1/16W	
CP24,25			RK74HB1J100J	CHIP-COM	10	J 1/16W	
CP26			RK74GA1J100J	CHIP-COM	10	J 1/16W	
CP27-30			RK74HB1J100J	CHIP-COM	10	J 1/16W	

E1 : DPX701U **E2** : DPX701UY (Europe)
K : DPX701 (North America)
M1 : DPX-MP7090U (Other Areas)

⚠ Indicates safety critical components.

PARTS LIST

CD PLAYER UNIT (X32-5870-00)

Ref. No.	Add	New	Parts No.	Description			Destination
CP31			RK74GA1J101J	CHIP-COM	100	J 1/16W	
CP50			RK74HB1J102J	CHIP-COM	1.0K	J 1/16W	
CP52			RK74GA1J472J	CHIP-COM	4.7K	J 1/16W	
CP53			RK74GA1J473J	CHIP-COM	47K	J 1/16W	
CP56,57			RK74GA1J103J	CHIP-COM	10K	J 1/16W	
CP300			RK74HB1J680J	CHIP-COM	68	J 1/16W	
CP301			RK74GA1J680J	CHIP-COM	68	J 1/16W	
CP302,303			RK74HB1J101J	CHIP-COM	100	J 1/16W	
R1			RK73GB2A225J	CHIP R	2.2M	J 1/10W	
R3			RK73GB2A223J	CHIP R	22K	J 1/10W	
R4			RK73GB2A473J	CHIP R	47K	J 1/10W	
R5			RK73GB2A101J	CHIP R	100	J 1/10W	
R6			RK73GH2A223D	CHIP R	22K	D 1/10W	
R7			RK73GB2A223J	CHIP R	22K	J 1/10W	
R8			RK73GH2A393D	CHIP R	39K	D 1/10W	
R9			RK73GB2A223J	CHIP R	22K	J 1/10W	
R10			RK73GB2A101J	CHIP R	100	J 1/10W	
R11			RK73GB2A220J	CHIP R	22	J 1/10W	
R12			RK73GB2A223J	CHIP R	22K	J 1/10W	
R13			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R15			RK73GB2A223J	CHIP R	22K	J 1/10W	
R17			RK73GB2A221J	CHIP R	220	J 1/10W	
R18			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R19			RK73GB2A472J	CHIP R	4.7K	J 1/10W	
R20			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R21,22			RK73GB2A104J	CHIP R	100K	J 1/10W	
R23,24			RK73GB2A103J	CHIP R	10K	J 1/10W	
R25			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R29			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R34			RK73GB2A472J	CHIP R	4.7K	J 1/10W	
R35			RK73GB2A104J	CHIP R	100K	J 1/10W	
R36			RK73FB2B4R7J	CHIP R	4.7	J 1/8W	
R37			RK73GB2A103J	CHIP R	10K	J 1/10W	
R40			RK73GB2A274J	CHIP R	270K	J 1/10W	
R41			RK73GB2A103J	CHIP R	10K	J 1/10W	
R42			RK73GB2A101J	CHIP R	100	J 1/10W	
R43			RK73GB2A393J	CHIP R	39K	J 1/10W	
R44,45			RK73GB2A302J	CHIP R	3.0K	J 1/10W	
R48			RK73GB2A472J	CHIP R	4.7K	J 1/10W	
R50			RK73GB2A101J	CHIP R	100	J 1/10W	
R51			RK73GB2A392J	CHIP R	3.9K	J 1/10W	
R52			RK73GB2A163J	CHIP R	16K	J 1/10W	
R53			RK73GB2A123J	CHIP R	12K	J 1/10W	
R54			RK73GB2A333J	CHIP R	33K	J 1/10W	
R55			RK73GB2A103J	CHIP R	10K	J 1/10W	
R56			RK73GB2A123J	CHIP R	12K	J 1/10W	
R57,58			RK73GB2A133J	CHIP R	13K	J 1/10W	
R59			RK73GB2A472J	CHIP R	4.7K	J 1/10W	
R60			RK73GB2A123J	CHIP R	12K	J 1/10W	
R61			RK73GB2A183J	CHIP R	18K	J 1/10W	
R62			RK73GB2A432J	CHIP R	4.3K	J 1/10W	
R63			RK73GB2A133J	CHIP R	13K	J 1/10W	
R64			RK73GB2A151J	CHIP R	150	J 1/10W	
R67,68			RK73GB2A152J	CHIP R	1.5K	J 1/10W	
R69			RK73GB2A682J	CHIP R	6.8K	J 1/10W	

Ref. No.	Add	New	Parts No.	Description			Destination
R70			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R71-73			RK73GB2A101J	CHIP R	100	J 1/10W	
R109			RK73GH2A822D	CHIP R	8.2K	D 1/10W	
R110			RK73GH2A562D	CHIP R	5.6K	D 1/10W	
R112			RK73GH2A752D	CHIP R	7.5K	D 1/10W	
R115			RK73GH2A822D	CHIP R	8.2K	D 1/10W	
R116			RK73GH2A752D	CHIP R	7.5K	D 1/10W	
R118,119			RK73GH2A100D	CHIP R	10	D 1/10W	
R121			RK73GH2A562D	CHIP R	5.6K	D 1/10W	
R130			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R132			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R133			RK73GB2A561J	CHIP R	560	J 1/10W	
R138			RK73GB2A101J	CHIP R	100	J 1/10W	
R142			RK73FB2B4R7J	CHIP R	4.7	J 1/8W	
R144			RK73GB2A223J	CHIP R	22K	J 1/10W	
R148			RK73GB2A103J	CHIP R	10K	J 1/10W	
R150			RK73GB2A103J	CHIP R	10K	J 1/10W	
R151			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R152			RK73GB2A221J	CHIP R	220	J 1/10W	
R153			RK73GB2A100J	CHIP R	10	J 1/10W	
R154,155			RK73GB2A330J	CHIP R	33	J 1/10W	
R156			RK73GB2A103J	CHIP R	10K	J 1/10W	
R300,301			RK73GB2A680J	CHIP R	68	J 1/10W	
R302			RK73GB2A101J	CHIP R	100	J 1/10W	
R304			RK73GB2A101J	CHIP R	100	J 1/10W	
R306,307			RK73GB2A270J	CHIP R	27	J 1/10W	
R308-310			RK73GB2A153J	CHIP R	15K	J 1/10W	
R311-316			RK73GB2A100J	CHIP R	10	J 1/10W	
R320-323			RK73GB2A101J	CHIP R	100	J 1/10W	
R336			RK73GB2A101J	CHIP R	100	J 1/10W	
R337			RK73GB2A153J	CHIP R	15K	J 1/10W	
R339			RK73GB2A682J	CHIP R	6.8K	J 1/10W	
R345			RK73GB2A103J	CHIP R	10K	J 1/10W	
R346			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R348			RK73GB2A223J	CHIP R	22K	J 1/10W	
R351			RK73GB2A103J	CHIP R	10K	J 1/10W	
R353			RK73GB2A473J	CHIP R	47K	J 1/10W	
R358,359			RK73GB2A473J	CHIP R	47K	J 1/10W	
R361,362			RK73GB2A223J	CHIP R	22K	J 1/10W	
R366			RK73GB2A101J	CHIP R	100	J 1/10W	
R367			RK73GB2A102J	CHIP R	1.0K	J 1/10W	
R368			RK73GB2A472J	CHIP R	4.7K	J 1/10W	
R370			RK73GB2A101J	CHIP R	100	J 1/10W	
R371			RK73GB2A2R2J	CHIP R	2.2	J 1/10W	
R372,373			RK73FB2B2R2J	CHIP R	2.2	J 1/8W	
R374			RK73GB2A473J	CHIP R	47K	J 1/10W	
S1,2			S68-0863-05	PUSH SWITCH			
S3			S68-0862-05	PUSH SWITCH			
D2			DA204U	DIODE			
D3			DAN202U	DIODE			
D9			DA204U	DIODE			
IC1			M30620FCPGP	MICROCONTROLLER IC			
IC2			UPD63712GC	MOS-IC			

E1 : DPX701U **E2** : DPX701UY (Europe)
K : DPX701 (North America)
M1 : DPX-MP7090U (Other Areas)

⚠ Indicates safety critical components.

PARTS LIST

CD PLAYER UNIT (X32-5870-00)

Ref. No.	Add	New	Parts No.	Description			Destination
IC4			BA5824FP	ANALOGUE IC			
IC5			BD33KA5WFP-E2	ANALOGUE IC			
IC13			NJM2100V-ZB	ANALOGUE IC			
IC14			TAR5S50-F	ANALOGUE IC			
IC15			CS7410-IQZ	MOS-IC			
IC16			IC42S164007TIG	DRAM IC			
IC17			29LV800CBTI9V1	ROM IC			
IC18			WM8716SEDS/R	MOS-IC			
IC19			R1114N331B-TR	ANALOGUE IC (3.3V LF)			
IC20			S-1132B18U5T1G	ANALOGUE IC			
IC21			BD33KA5WFP-E2	ANALOGUE IC			
IC25			TDUHC1240F0C00	MOS-IC			
IC26			TC74LCX00FT-F	MOS-IC			
IC28			TC7WH125FK-F	MOS-IC			
Q3			UMD9N	TRANSISTOR			
Q6			UMD12N	TRANSISTOR			
Q7			DTC124EE	DIGITAL TRANSISTOR			
Q8			2SB0970	TRANSISTOR			
Q9			DTC114YE	DIGITAL TRANSISTOR			
Q10			DTC114YUA	DIGITAL TRANSISTOR			
Q16			DTA143ZE	DIGITAL TRANSISTOR			
Q17			DTA143XUA	DIGITAL TRANSISTOR			
Q18			DTC114YE	DIGITAL TRANSISTOR			
ELECTRIC UNIT (X34-413x-xx)							
C1			C90-6784-05	ELECTRO	3900UF	16WV	
C2			CC73GCH1H070D	CHIP C	7.0PF	D	
C10			CK73FB1C105K	CHIP C	1.0UF	K	
C11			CD04AY1A221M	ELECTRO	220UF	10WV	
C12			CC73GCH1H070D	CHIP C	7.0PF	D	
C20			CD04BA0J101M	ELECTRO	100UF	6.3WV	
C21			C90-5692-05	ELECTRO	220UF	16WV	
C22			CK73GB1H103K	CHIP C	0.010UF	K	
C23			CE32CL1C100M	CHIP EL	10UF	16WV	
C30			CK73GB1A474K	CHIP C	0.47UF	K	
C31			CD04AY1A101M	ELECTRO	100UF	10WV	
C40			CK73GB1H103K	CHIP C	0.010UF	K	
C41			CD04BA0J470M	ELECTRO	47UF	6.3WV	
C42,43			CK73GB1H104K	CHIP C	0.10UF	K	
C50			CK73GB1H104K	CHIP C	0.10UF	K	
C51			CD04AT1E101M	ELECTRO	100UF	25WV	
C81			C93-1382-05	CHIP C	1UF	K	
C82			C93-1381-05	CHIP C	1UF	K	
C84			C93-1381-05	CHIP C	1UF	K	
C85			C93-1382-05	CHIP C	1UF	K	
C86			CK73EB1E105K	CHIP C	1.0UF	K	
C87			CK73GB1H103K	CHIP C	0.010UF	K	
C100			CK73GB1H104K	CHIP C	0.10UF	K	
C102,103			CC73GCH1H220J	CHIP C	22PF	J	
C104-106			CK73GB1H103K	CHIP C	0.010UF	K	
C107			CK73GB1H102K	CHIP C	1000PF	K	
C109,110			CK73GB1H103K	CHIP C	0.010UF	K	
C112,113			CK73GB1H103K	CHIP C	0.010UF	K	
C114			CD04AS0J470M	ELECTRO	47UF	6.3WV	
C201			CK73GB1H103K	CHIP C	0.010UF	K	

Ref. No.	Add	New	Parts No.	Description			Destination
C203			CK73GB1H223K	CHIP C	0.022UF	K	
C204			CK73GB1H103K	CHIP C	0.010UF	K	
C205			CK73FB1C105K	CHIP C	1.0UF	K	
C300			CD04AS1C470M	ELECTRO	47UF	16WV	
C301			CD04AS1H2R2M	ELECTRO	2.2UF	50WV	
C303,304			CD04AS1H3R3M	ELECTRO	3.3UF	50WV	
C305			CK73FB1C105K	CHIP C	1.0UF	K	
C306			CK73GB1H103K	CHIP C	0.010UF	K	
C307			CE32BE1V100M	CHIP EL	10UF	35WV	
C308,309			CD04AS1H2R2M	ELECTRO	2.2UF	50WV	
C310,311			CK73FB1E474K	CHIP C	0.47UF	K	
C364,365			CD04AS1H2R2M	ELECTRO	2.2UF	50WV	
C369			CK73FB1C105K	CHIP C	1.0UF	K	
C384			CK73FB1C105K	CHIP C	1.0UF	K	
C387,388			CC73GCH1H070D	CHIP C	7.0PF	D	
C402			CK73GB1H103K	CHIP C	0.010UF	K	KE1E2
C403			CK73FB1A225K	CHIP C	2.2UF	K	KE1E2
C404			CC73GCH1H331J	CHIP C	330PF	J	KE1E2
C405			CD04AS1V100M	ELECTRO	10UF	35WV	KE1E2
C407			CK73GB1H103K	CHIP C	0.010UF	K	
C409,410			CK73GB1H103K	CHIP C	0.010UF	K	
C412			CK73GB1H103K	CHIP C	0.010UF	K	
C414,415			CC73GCH1H150J	CHIP C	15PF	J	KE1E2
C423			CC73GCH1H070D	CHIP C	7.0PF	D	
C453-455			CK73GB1H104K	CHIP C	0.10UF	K	K
C458			CK73GB1A105K	CHIP C	1.0UF	K	K
C500-504			CK73EB1A475K	CHIP C	4.7UF	K	M1
C505			CK73GB1H103K	CHIP C	0.010UF	K	M1
C506			CE32BE1V100M	CHIP EL	10UF	35WV	M1
C550,551			CK73GB1H103K	CHIP C	0.010UF	K	
C554			CC73GCH1H070D	CHIP C	7.0PF	D	
C593			CK73GB1H102K	CHIP C	1000PF	K	E1E2
C595			CK73GB1A105K	CHIP C	1.0UF	K	
C599			CK73GB1A105K	CHIP C	1.0UF	K	
C600,601			CK73EB1E225K	CHIP C	2.2UF	K	
C602			CK73GB1H103K	CHIP C	0.010UF	K	
C603			CK73GB1H223K	CHIP C	0.022UF	K	
C604			CD04AS1C220M	ELECTRO	22UF	16WV	
C605-608			CK73EB1E225K	CHIP C	2.2UF	K	
C609			CD04BF1E101M	ELECTRO	100UF	25WV	
C610			CD04AS1C220M	ELECTRO	22UF	16WV	
C611			CE32BE1V100M	CHIP EL	10UF	35WV	
C612,613			CD04AS1V100M	ELECTRO	10UF	35WV	
C614,615			CE32BE1V100M	CHIP EL	10UF	35WV	
C616,617			CD04AS1V100M	ELECTRO	10UF	35WV	
C618,619			CE32BE1V100M	CHIP EL	10UF	35WV	
C620,621			CD04AS1V100M	ELECTRO	10UF	35WV	
C622			CE32BE1V100M	CHIP EL	10UF	35WV	
C623-628			CK73GB1H102K	CHIP C	1000PF	K	
C629			CK73FB1E474K	CHIP C	0.47UF	K	
C630			CD04AT0J470M	ELECTRO	47UF	6.3WV	
C631			CK73FB1E474K	CHIP C	0.47UF	K	
C632			CK73GB1H103K	CHIP C	0.010UF	K	
C633,634			CE32BE1V100M	CHIP EL	10UF	35WV	
C635-638			CK73GB1A105K	CHIP C	1.0UF	K	

E1 : DPX701U **E2** : DPX701UY (Europe)
K : DPX701 (North America)
M1 : DPX-MP7090U (Other Areas)

⚠ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-413x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination
C701			CK73FB1E474K	CHIP C 0.47UF K	
C702			CD04AS0J470M	ELECTRO 47UF 6.3WV	
C703			CK73FB1E474K	CHIP C 0.47UF K	
C704			CK73GB1H103K	CHIP C 0.010UF K	
C750			CK73FB1C105K	CHIP C 1.0UF K	
C752-755			C90-6781-05	ELECTRO 4.7UF 16WV	
C756			CD04BM1A101M	ELECTRO 100UF 10WV	
C757			C90-6781-05	ELECTRO 4.7UF 16WV	
C758			CK73GB1H103K	CHIP C 0.010UF K	
C759			CK73FB1C105K	CHIP C 1.0UF K	
C760-768			CC73GCH1H150J	CHIP C 15PF J	
C771-775			CC73GCH1H150J	CHIP C 15PF J	
C780			CC73GCH1H150J	CHIP C 15PF J	
C782			CC73GCH1H150J	CHIP C 15PF J	
C800-802			CD04AS1V100M	ELECTRO 10UF 35WV	
C803			CK73GB1H104K	CHIP C 0.10UF K	
C804			CK73GB1H103K	CHIP C 0.010UF K	
C805			CD04AS1C470M	ELECTRO 47UF 16WV	
C806,807			CK73GB1H102K	CHIP C 1000PF K	
C808			CD04BA1C101M	ELECTRO 100UF 16WV	
C811,812			CC73GCH1H070D	CHIP C 7.0PF D	
C816			CK73GB1H104K	CHIP C 0.10UF K	
C901			CC73GCH1H680J	CHIP C 68PF J	
C902			CK73GB1H332K	CHIP C 3300PF K	
C903,904			CK73GB1H104K	CHIP C 0.10UF K	
C905			CK73GB1H682K	CHIP C 6800PF K	
C907,908			CK73GB1H104K	CHIP C 0.10UF K	
C910,911			CD04BK1A221M	ELECTRO 220UF 10WV	
C913			CD04BK1E101M	ELECTRO 100UF 25WV	
C914			CK73EB1E105K	CHIP C 1.0UF K	
C915,916			CD04BK1E101M	ELECTRO 100UF 25WV	
C917,918			CK73GB1H104K	CHIP C 0.10UF K	
C951			CK73GB1H104K	CHIP C 0.10UF K	
C952			CD04BK1A221M	ELECTRO 220UF 10WV	
C953			CK73GB1H104K	CHIP C 0.10UF K	
C955			CK73GB1H104K	CHIP C 0.10UF K	
C981		✻	C93-1408-05	CHIP C 4.7UF K	
CN5			E41-0944-05	PIN ASSY	KE1E2
CN550			E41-2358-05	FLAT CABLE CONNECTOR	
CN600			E41-0959-05	PIN ASSY	
CN900			E41-0930-05	PIN ASSY	
⚠ J1			E58-0991-05	RECTANGULAR RECEPTACLE	
J2			E56-0855-05	CYLINDRICAL RECEPTACLE	
J500			E58-0993-05	RECTANGULAR RECEPTACLE	
J600			E63-0896-05	PIN JACK	M1E1E2
J600			E63-0897-05	PIN JACK	K
W400			E30-6218-15	CORD WITH PLUG (ANT)	
L1			L33-1988-05	CHOKE COIL ASSY	
L81		✻	L33-2337-05	SMALL FIXED INDUCTOR	
L101			L41-4795-33	SMALL FIXED INDUCTOR (4.7U)	
L400			L33-2260-05	CHOKE COIL	
L405			L41-4795-33	SMALL FIXED INDUCTOR (4.7U)	KE1E2
L550			L92-0616-05	CHIP FERRITE	
L600			L41-2205-33	SMALL FIXED INDUCTOR (22U)	

Ref. No.	Add	New	Parts No.	Description	Destination
L901			L33-2296-05	SMALL FIXED INDUCTOR	
L902			L33-2297-05	SMALL FIXED INDUCTOR	
X100			L78-0872-05	RESONATOR (12MHZ)	
X101			L77-2880-05	CRYSTAL RESONATOR	
X401			L77-2002-05	CRYSTAL RESONATOR	KE1E2
D	2D		N83-3005-48	PAN HEAD TAPTITE SCREW	
G	3D		N80-3010-48	PAN HEAD TAPTITE SCREW	
H	2D		N82-2608-48	BINDING HEAD TAPTITE SCREW	
CP100			RK74GB1J101J	CHIP-COM 100 J 1/16W	
CP101-103			RK74GA1J101J	CHIP-COM 100 J 1/16W	K
CP101,102			RK74GA1J101J	CHIP-COM 100 J 1/16W	M1E1E2
CP107			RK74GB1J102J	CHIP-COM 1.0K J 1/16W	
CP108			RK74GA1J222J	CHIP-COM 2.2K J 1/16W	
CP109			RK74GB1J101J	CHIP-COM 100 J 1/16W	KE1E2
CP110,111			RK74GA1J101J	CHIP-COM 100 J 1/16W	
R1			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R2,3			RK73EB2E103J	CHIP R 10K J 1/4W	
R10			RK73GH2A243D	CHIP R 24K D 1/10W	
R11			RK73FB2B221J	CHIP R 220 J 1/8W	
R13			RK73GH2A432D	CHIP R 4.3K D 1/10W	
R14			RK73GB2A160J	CHIP R 16 J 1/10W	
R20			RK73FB2B203J	CHIP R 20K J 1/8W	
R21			RK73GB2A223J	CHIP R 22K J 1/10W	
R23			RK73FB2B272J	CHIP R 2.7K J 1/8W	
R30			RK73FB2B152J	CHIP R 1.5K J 1/8W	
R40			RK73FB2B223J	CHIP R 22K J 1/8W	
R41			RK73FB2B182J	CHIP R 1.8K J 1/8W	
R42			RK73GB2A105J	CHIP R 1.0M J 1/10W	
R44			RK73GB2A104J	CHIP R 100K J 1/10W	
R45,46			RK73PB2H1R0J	CHIP R 1.0 J 1/2W	
R50			RK73FB2B222J	CHIP R 2.2K J 1/8W	
R52			RK73FB2B104J	CHIP R 100K J 1/8W	
R80			RK73GH2A434D	CHIP R 430K D 1/10W	
R81			RK73GB2A473J	CHIP R 47K J 1/10W	
R82			RK73GH2A103D	CHIP R 10K D 1/10W	
R84			RK73GH2A153D	CHIP R 15K D 1/10W	
R100-102			RK73GB2A104J	CHIP R 100K J 1/10W	M1
R100-104			RK73GB2A104J	CHIP R 100K J 1/10W	KE1E2
R104			RK73GB2A104J	CHIP R 100K J 1/10W	M1
R105			RK73GB2A101J	CHIP R 100 J 1/10W	
R106			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R107			RK73GB2A473J	CHIP R 47K J 1/10W	
R111			RK73GB2A104J	CHIP R 100K J 1/10W	
R112			RK73GB2A473J	CHIP R 47K J 1/10W	
R113			RK73GB2A103J	CHIP R 10K J 1/10W	
R114			RK73GB2A473J	CHIP R 47K J 1/10W	
R115			RK73GB2A101J	CHIP R 100 J 1/10W	
R117			RK73GB2A101J	CHIP R 100 J 1/10W	
R119			RK73GB2A223J	CHIP R 22K J 1/10W	KE1E2
R122,123			RK73GB2A101J	CHIP R 100 J 1/10W	
R125			RK73GB2A222J	CHIP R 2.2K J 1/10W	KE1E2
R126			RK73GB2A101J	CHIP R 100 J 1/10W	
R127			RK73GB2A103J	CHIP R 10K J 1/10W	
R128			RK73GB2A222J	CHIP R 2.2K J 1/10W	

E1 : DPX701U **E2** : DPX701UY (Europe)
K : DPX701 (North America)
M1 : DPX-MP7090U (Other Areas)

⚠ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-413x-xx)

Ref. No.	Add	New	Parts No.	Description				Destination
R129			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R130			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R131			RK73GB2A473J	CHIP R	47K	J	1/10W	
R132,133			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R134			RK73GB2A101J	CHIP R	100	J	1/10W	
R139			RK73GB2A473J	CHIP R	47K	J	1/10W	
R141			RK73GB2A473J	CHIP R	47K	J	1/10W	
R144,145			RK73GB2A101J	CHIP R	100	J	1/10W	
R146			RK73GB2A333J	CHIP R	33K	J	1/10W	
R148			RK73GB2A473J	CHIP R	47K	J	1/10W	
R149,150			RK73GB2A223J	CHIP R	22K	J	1/10W	
R154-157			RK73GB2A223J	CHIP R	22K	J	1/10W	E1
R154,155			RK73GB2A223J	CHIP R	22K	J	1/10W	E2
R156-159			RK73GB2A223J	CHIP R	22K	J	1/10W	K
R157			RK73GB2A223J	CHIP R	22K	J	1/10W	E2
R157-160			RK73GB2A223J	CHIP R	22K	J	1/10W	M1
R160			RK73GB2A223J	CHIP R	22K	J	1/10W	E2
R161			RK73GB2A104J	CHIP R	100K	J	1/10W	
R163			RK73GB2A104J	CHIP R	100K	J	1/10W	
R164			RK73GB2A223J	CHIP R	22K	J	1/10W	
R165,166			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R168			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R181			RK73GB2A473J	CHIP R	47K	J	1/10W	
R187			RK73GB2A473J	CHIP R	47K	J	1/10W	
R188			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R200			RK73EB2E473J	CHIP R	47K	J	1/4W	
R201			RD14DB2H332J-T	SMALL-RD	3.3K	J	1/2W	
R202			RK73GB2A183J	CHIP R	18K	J	1/10W	
R203			RK73GB2A104J	CHIP R	100K	J	1/10W	
R204			RK73GB2A393J	CHIP R	39K	J	1/10W	
R205			RK73GB2A103J	CHIP R	10K	J	1/10W	
R209			RK73FB2B683J	CHIP R	68K	J	1/8W	
R210			RK73FB2B203J	CHIP R	20K	J	1/8W	
R211			RK73GB2A103J	CHIP R	10K	J	1/10W	
R212			RK73GB2A473J	CHIP R	47K	J	1/10W	
R213,214			RK73GB2A104J	CHIP R	100K	J	1/10W	
R215			RK73FB2B561J	CHIP R	560	J	1/8W	
R216			RK73GB2A223J	CHIP R	22K	J	1/10W	KM1
R217			RK73PB2H221J	CHIP R	220	J	1/2W	KM1
R218,219			RK73FB2B472J	CHIP R	4.7K	J	1/8W	
R220			RK73PB2H221J	CHIP R	220	J	1/2W	KM1
R300			RK73EB2E2R2J	CHIP R	2.2	J	1/4W	
R301			RK73GB2A103J	CHIP R	10K	J	1/10W	
R335,336			RK73GB2A101J	CHIP R	100	J	1/10W	
R402			RK73FB2B1R0J	CHIP R	1.0	J	1/8W	
R404			RK73GB2A223J	CHIP R	22K	J	1/10W	
R405,406			RK73GB2A471J	CHIP R	470	J	1/10W	
R407,408			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R409			RK73FB2B102J	CHIP R	1.0K	J	1/8W	
R410-412			RK73GB2A222J	CHIP R	2.2K	J	1/10W	KE1E2
R425-428			RK73GB2A910J	CHIP R	91	J	1/10W	
R429			RK73GB2A270J	CHIP R	27	J	1/10W	
R453,454			RK73GB2A102J	CHIP R	1.0K	J	1/10W	K
R457			RK73GH2A241D	CHIP R	240	D	1/10W	K
R458			RK73GH2A111D	CHIP R	110	D	1/10W	K

Ref. No.	Add	New	Parts No.	Description				Destination
R500			RK73GB2A473J	CHIP R	47K	J	1/10W	M1
R502			RK73GB2A102J	CHIP R	1.0K	J	1/10W	M1
R503			RK73GB2A333J	CHIP R	33K	J	1/10W	M1
R504,505			RK73GB2A473J	CHIP R	47K	J	1/10W	M1
R506			RK73GB2A821J	CHIP R	820	J	1/10W	M1
R507			RK73GB2A104J	CHIP R	100K	J	1/10W	M1
R508			RK73GB2A103J	CHIP R	10K	J	1/10W	M1
R512,513			RK73GB2A334J	CHIP R	330K	J	1/10W	M1
R516,517			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R518,519			RK73GB2A103J	CHIP R	10K	J	1/10W	M1
R520			RK73GB2A1R0J	CHIP R	1.0	J	1/10W	M1
R550			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R551			RK73GB2A471J	CHIP R	470	J	1/10W	
R552,553			RK73GB2A104J	CHIP R	100K	J	1/10W	
R554			RK73GB2A471J	CHIP R	470	J	1/10W	
R557			RK73GB2A161J	CHIP R	160	J	1/10W	
R600,601			RK73GB2A913J	CHIP R	91K	J	1/10W	
R602			RK73GB2A103J	CHIP R	10K	J	1/10W	
R603			RK73GB2A470J	CHIP R	47	J	1/10W	
R604			RK73GB2A274J	CHIP R	270K	J	1/10W	
R605			RK73GB2A563J	CHIP R	56K	J	1/10W	
R606			RK73GB2A752J	CHIP R	7.5K	J	1/10W	
R607			RK73GB2A470J	CHIP R	47	J	1/10W	
R608			RK73GB2A272J	CHIP R	2.7K	J	1/10W	
R609			RK73GB2A750J	CHIP R	75	J	1/10W	
R610			RK73GB2A182J	CHIP R	1.8K	J	1/10W	
R611			RK73GB2A361J	CHIP R	360	J	1/10W	
R612			RK73GB2A820J	CHIP R	82	J	1/10W	
R613			RK73GB2A123J	CHIP R	12K	J	1/10W	
R614			RK73GB2A103J	CHIP R	10K	J	1/10W	
R615			RK73GB2A223J	CHIP R	22K	J	1/10W	
R616			RK73GB2A103J	CHIP R	10K	J	1/10W	
R617			RK73GB2A223J	CHIP R	22K	J	1/10W	
R618			RK73GB2A820J	CHIP R	82	J	1/10W	
R619			RK73GB2A123J	CHIP R	12K	J	1/10W	
R620,621			RK73GB2A361J	CHIP R	360	J	1/10W	
R622			RK73GB2A820J	CHIP R	82	J	1/10W	
R623			RK73GB2A123J	CHIP R	12K	J	1/10W	
R624			RK73GB2A103J	CHIP R	10K	J	1/10W	
R625			RK73GB2A223J	CHIP R	22K	J	1/10W	
R626			RK73GB2A103J	CHIP R	10K	J	1/10W	
R627			RK73GB2A223J	CHIP R	22K	J	1/10W	
R628			RK73GB2A820J	CHIP R	82	J	1/10W	
R629			RK73GB2A123J	CHIP R	12K	J	1/10W	
R630,631			RK73GB2A361J	CHIP R	360	J	1/10W	
R632			RK73GB2A820J	CHIP R	82	J	1/10W	
R633			RK73GB2A123J	CHIP R	12K	J	1/10W	
R634			RK73GB2A103J	CHIP R	10K	J	1/10W	
R635			RK73GB2A223J	CHIP R	22K	J	1/10W	
R636			RK73GB2A103J	CHIP R	10K	J	1/10W	
R637			RK73GB2A223J	CHIP R	22K	J	1/10W	
R638			RK73GB2A820J	CHIP R	82	J	1/10W	
R639			RK73GB2A123J	CHIP R	12K	J	1/10W	
R640			RK73GB2A361J	CHIP R	360	J	1/10W	
R641			RK73EB2E100J	CHIP R	10	J	1/4W	

E1 : DPX701U **E2** : DPX701UY (Europe)
K : DPX701 (North America)
M1 : DPX-MP7090U (Other Areas)

⚠ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-413x-xx)

Ref. No.	Add	New	Parts No.	Description				Destination
R642			RK73EB2E4R7J	CHIP R	4.7	J	1/4W	
R643			RK73EB2E100J	CHIP R	10	J	1/4W	
R644			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R655-660			RK73GB2A104J	CHIP R	100K	J	1/10W	
R700			RK73EB2E472J	CHIP R	4.7K	J	1/4W	
R701			RK73EB2E101J	CHIP R	100	J	1/4W	
R702			RK73EB2E472J	CHIP R	4.7K	J	1/4W	
R703-707			RK73EB2E101J	CHIP R	100	J	1/4W	
R708			RK73EB2E100J	CHIP R	10	J	1/4W	
R709			RK73EB2E4R7J	CHIP R	4.7	J	1/4W	
R710			RK73EB2E100J	CHIP R	10	J	1/4W	
R711			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R712			RK73EB2E102J	CHIP R	1.0K	J	1/4W	KE1E2
R713-715			RK73EB2E471J	CHIP R	470	J	1/4W	E1E2
R750			RK73GB2A683J	CHIP R	68K	J	1/10W	
R752			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R755-758			RK73GB2A910J	CHIP R	91	J	1/10W	
R759-762			RK73GB2A103J	CHIP R	10K	J	1/10W	
R763			RK73GB2A100J	CHIP R	10	J	1/10W	
R764			RK73GB2A103J	CHIP R	10K	J	1/10W	
R765			RK73GB2A432J	CHIP R	4.3K	J	1/10W	
R766			RK73GB2A680J	CHIP R	68	J	1/10W	
R767			RK73GB2A220J	CHIP R	22	J	1/10W	
R768			RK73GB2A123J	CHIP R	12K	J	1/10W	
R771			RK73GB2A223J	CHIP R	22K	J	1/10W	
R772			RK73GB2A221J	CHIP R	220	J	1/10W	
R800			RK73GB2A391J	CHIP R	390	J	1/10W	
R801			RK73GB2A242J	CHIP R	2.4K	J	1/10W	
R803			RK73GH2A512D	CHIP R	5.1K	D	1/10W	
R804			RK73GH2A472D	CHIP R	4.7K	D	1/10W	
R805,806			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R807			RK73GB2A103J	CHIP R	10K	J	1/10W	
R808			RK73GB2A113J	CHIP R	11K	J	1/10W	
R809			RK73GB2A101J	CHIP R	100	J	1/10W	
R810			RK73FB2B152J	CHIP R	1.5K	J	1/8W	
R811			RK73GB2A104J	CHIP R	100K	J	1/10W	
R812			RK73FB2B4R7J	CHIP R	4.7	J	1/8W	
R813			RK73GB2A332J	CHIP R	3.3K	J	1/10W	
R815			RK73GB2A101J	CHIP R	100	J	1/10W	
R817			RK73GB2A100J	CHIP R	10	J	1/10W	
R822			RK73GB2A160J	CHIP R	16	J	1/10W	
R823			RK73FB2B1R0J	CHIP R	1.0	J	1/8W	
R824			RK73GB2A3R9J	CHIP R	3.9	J	1/10W	
R825			RK73GB2A1R5J	CHIP R	1.5	J	1/10W	
R826			RK73GB2A120J	CHIP R	12	J	1/10W	
R827			RK73GB2A270J	CHIP R	27	J	1/10W	
R841			RK73GB2A102J	CHIP R	1.0K	J	1/10W	KE1E2
R901,902			RK73GB2A104J	CHIP R	100K	J	1/10W	
R907			RK73GH2A823D	CHIP R	82K	D	1/10W	
R908			RK73GH2A114D	CHIP R	110K	D	1/10W	
R909			RK73GH2A683D	CHIP R	68K	D	1/10W	
R910			RK73GH2A103D	CHIP R	10K	D	1/10W	
R911			RK73GH2A753D	CHIP R	75K	D	1/10W	
R913			RK73GH2A103D	CHIP R	10K	D	1/10W	
R914			RK73GH2A753D	CHIP R	75K	D	1/10W	

Ref. No.	Add	New	Parts No.	Description				Destination
R915,916			RK73GB2A154J	CHIP R	150K	J	1/10W	
R951			RK73GB2A153J	CHIP R	15K	J	1/10W	
R954			RK73GB2A153J	CHIP R	15K	J	1/10W	
R959			RK73PB2H2R2J	CHIP R	2.2	J	1/2W	
R960			RK73GB2A101J	CHIP R	100	J	1/10W	
R981,982			RK73PB2H1R0J	CHIP R	1.0	J	1/2W	
R983			RK73GB2A104J	CHIP R	100K	J	1/10W	
R984			RK73FB2B431J	CHIP R	430	J	1/8W	
R985			RK73GB2A473J	CHIP R	47K	J	1/10W	
R987			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
W200			R92-1252-05	CHIP R	0 OHM	J	1/16W	KM1
W200,201			R92-1252-05	CHIP R	0 OHM	J	1/16W	E1E2
W401			R92-2053-05	CHIP R	0 OHM	J	1/8W	
W500			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W596			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W751			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W754			R92-1252-05	CHIP R	0 OHM	J	1/16W	
D1			S2V60✻A	DIODE				
D20			RB160L-40	DIODE				
D21			UDZS5.6B	ZENER DIODE				
D30			UDZS8.2B	ZENER DIODE				
D40			UDZS5.6B	ZENER DIODE				
D41			02DZ11F-Y	ZENER DIODE				
D50			UDZS20B	ZENER DIODE				
D80-82			RB060L-40	DIODE				
D101-104			DAP202U	DIODE				E1E2
D102-104			DAP202U	DIODE				K
D102-105			DAP202U	DIODE				M1
D200			DAP202U	DIODE				
D202			UDZS6.2B	ZENER DIODE				
D203			UDZS6.8B	ZENER DIODE				
D204			DAP202U	DIODE				
D205			UDZS6.8B	ZENER DIODE				
D206			UDZS4.7B	ZENER DIODE				
D207			02DZ5.6F-Y	ZENER DIODE				
D208,209			1SR154-400	DIODE				
D212,213			1SR154-400	DIODE				
D220			DAP202U	DIODE				
D302,303			UDZS5.6B	ZENER DIODE				
D504			DA204U	DIODE				M1
D550,551			IMSA-6802-E	SURGE ABSORBER				
D600			UDZS5.6B	ZENER DIODE				
D601			UDZS11B	ZENER DIODE				
D608,609			STZ6.8N	ZENER DIODE				
D700-704			STZ6.2N	ZENER DIODE				KM1
D700-707			STZ6.2N	ZENER DIODE				E1E2
D706,707			STZ6.2N	ZENER DIODE				K
D707			STZ6.2N	ZENER DIODE				M1
D750-753			1SR154-400	DIODE				
D755			DAP222	DIODE				
D756-759			1SR154-400	DIODE				
D800			UDZS6.8B	ZENER DIODE				
D802			UDZS16B	ZENER DIODE				
D803,804			DAP222	DIODE				

E1 : DPX701U **E2** : DPX701UY (Europe)
K : DPX701 (North America)
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PARTS LIST

ELECTRIC UNIT (X34-413x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination
D901			NSQ03A04G	DIODE	
D902			SFPB-54VNF	DIODE	
D952			STZ6.8N	ZENER DIODE	
D981			UDZS15B	ZENER DIODE	
IC10			M5237ML-CF0J	ANALOGUE IC	
IC80			LT3467A	ANALOGUE IC	
IC100			S-80836CNNB-J	MOS-IC	
IC102			30625MGPA87GP	MICROCONTROLLER IC	
IC103			TC7W02FU-F	MOS-IC	
IC104			BR24L04FV-W	ROM IC	
IC200			TPD1018F-F	ANALOGUE IC	
IC300			E-TDA7415C	ANALOGUE IC	
IC400			E-TDA7479AD	ANALOGUE IC	KE1E2
IC451			MMA6261QR2	ANALOGUE IC	K
IC500			RC4580IDR	ANALOGUE IC	M1
IC600			ICL7660SIBAZ	ANALOGUE IC	
IC601-603			NJM4565V-ZB	ANALOGUE IC	
IC750			E-TDA7560A	ANALOGUE IC	
IC800			RC4580IDR	ANALOGUE IC	
IC901			BD9302FP	ANALOGUE IC	
IC951			MIC2026-1YM	MOS-IC	
Q10			2SB1565	TRANSISTOR	
Q11,12			UMC2N	TRANSISTOR	
Q20			2SB1565	TRANSISTOR	
Q21			2SD2351(W)	TRANSISTOR	
Q22			2SA1577	TRANSISTOR	
Q23			DTC124EUA	DIGITAL TRANSISTOR	
Q30			2SB1565	TRANSISTOR	
Q32			2SC4081	TRANSISTOR	
Q34			UMC2N	TRANSISTOR	
Q40			2SB1565	TRANSISTOR	
Q41			2SB1443	TRANSISTOR	
Q42			UMD12N	TRANSISTOR	
Q43			UMC2N	TRANSISTOR	
Q44			2SC4081	TRANSISTOR	
Q45			2SD2351(W)	TRANSISTOR	
Q50			2SB1449(R)-E	TRANSISTOR	
Q51			UMC2N	TRANSISTOR	
Q52			2SC2873-F	TRANSISTOR	
Q201			DTA124EUA	DIGITAL TRANSISTOR	
Q202			2SC4081	TRANSISTOR	
Q204,205			2SC4081	TRANSISTOR	
Q206			DTA123JK	DIGITAL TRANSISTOR	
Q207			DTC144EUA	DIGITAL TRANSISTOR	
Q208			2SB1184	TRANSISTOR	KM1
Q209			DTC114YUA	DIGITAL TRANSISTOR	KM1
Q210			DTA124EUA	DIGITAL TRANSISTOR	
Q402			2SB1689	TRANSISTOR	
Q403			DTC124EUA	DIGITAL TRANSISTOR	
Q500			2SC4617	TRANSISTOR	M1
Q600			2SC4081	TRANSISTOR	
Q601			2SA1576A	TRANSISTOR	
Q602			2SC4081	TRANSISTOR	
Q603			2SA1576A	TRANSISTOR	
Q604			2SC4081	TRANSISTOR	
Q605			2SA1576A	TRANSISTOR	
Q606			2SC4081	TRANSISTOR	
Q607			2SB1443	TRANSISTOR	
Q608-615			DTC143TUA	DIGITAL TRANSISTOR	
Q800			DTA124EUA	DIGITAL TRANSISTOR	
Q801			2SA1774	TRANSISTOR	
Q802			2SC2873-F	TRANSISTOR	
Q901,902			DTC143TUA	DIGITAL TRANSISTOR	
Q903			UMG2N	TRANSISTOR	
Q981			2SB1188(R)	TRANSISTOR	
Q982			2SD2351(W)	TRANSISTOR	
Q983			UMD12N	TRANSISTOR	
A1	3E		X86-4000-11	FRONT-END UNIT	KM1
A1	3E		X86-4002-70	FRONT-END UNIT	E1E2

DAUGHTER UNIT (X89-2830-10)

J1		✻	E59-0849-05	RECTANGULAR PLUG	
WH1		✻	E39-0848-15	WIRING HARNESS	

CD MECHANISM ASSY (X92-5580-00/04) (DXM-6820W/6824W)

2	1B		A10-4827-32	CHASSIS	
5	1B		D10-4576-93	ARM ASSY	
8	2A		D10-4787-63	LEVER ASSY	E1E2
8	2A	✻	D10-4901-13	LEVER ASSY	KM1
10	2A		D10-4581-13	ARM	
11	2A		D10-4582-13	ARM	
12	3A		D10-4583-03	ARM	
13	3A		D10-4584-03	ARM	
14	3B		D10-4585-03	ARM	
15	2A		D10-4586-13	SLIDER	
16	3B		D10-4587-52	SLIDER	
17	2B		D10-4588-13	SLIDER	
18	2B		D10-4595-04	ARM	
19	2B		D10-4596-24	ARM	
22	2A		D13-2151-04	GEAR	
23	2B		D13-2152-04	GEAR	
24	3B		D13-2153-04	GEAR	
25	3B		D13-2154-04	GEAR	
26	3B		D13-2155-04	WORM	
27	2B		D13-2156-14	GEAR	
28	3B		D13-2157-04	GEAR	
29	2B		D13-2158-04	GEAR	
30	2B		D13-2168-04	GEAR	
31	3B		D13-2171-04	GEAR	
32	1B		D13-2172-13	RACK (GEAR)	
33	2A		D14-0759-04	ROLLER	
35	2B		D21-2382-04	SHAFT	
36	1A		D23-0954-04	RETAINER	
37	1B		D39-0246-05	DAMPER	KM1
37	1B		D39-0260-05	DAMPER	E1E2
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	

E1 : DPX701U **E2** : DPX701UY (Europe)
K : DPX701 (North America)
M1 : DPX-MP7090U (Other Areas)

⚠ Indicates safety critical components.

PARTS LIST

CD MECHANISM ASSY (X92-5580-00/04) (DXM-6820W/6824W)

Ref. No.	Add	New	Parts No.	Description	Destination
43	1B		G01-3077-14	EXTENSION SPRING	
44	2B		G02-1399-04	FLAT SPRING	
45	2B		G02-1408-04	FLAT SPRING	
46	3B		F09-1804-04	SHEET	E1E2
47	3A	✻	F09-2824-14	SHEET	
51	1A		J21-9676-32	MOUNTING HARDWARE	
52	3B		J21-9677-22	MOUNTING HARDWARE	
53	1B		J21-9678-13	MOUNTING HARDWARE	
55	1A		J90-1001-11	GUIDE	
56	1B		J90-1023-03	GUIDE	
DFPC1	3A		J86-0027-05	FPC (LEAD FREE)	
A	2B		N09-4460-15	TAPTITE SCREW (PT2X8)	
B	1B		N09-4472-25	MACHINE SCREW (M1.7X8.0)	
C	2B		N09-6004-15	MACHINE SCREW (M1.7X2.5)	
E	2B		N09-6007-15	MACHINE SCREW (PAN M2X2)	
F	1A		N09-6051-15	TAPTITE SCREW (BIND P2X5)	
G	2A		N19-2163-04	FLAT WASHER	
H	1B		N39-2020-46	PAN HEAD MACHINE SCREW	
J	1B		N09-6108-15	TAPTITE SCREW (M2X3.5)	
K	3B		N09-6155-15	SEMS (TAPTITE SCREW) (PT2X6)	
DM1	3B		T42-1066-14	DC MOTOR (SPINDLE)	
DM2	2B		T42-1067-14	DC MOTOR (LOADING)	
DPU1	2B		X93-2010-01	OPTICAL PICKUP ASSY	

Ref. No.	Add	New	Parts No.	Description	Destination

E1 : DPX701U **E2** : DPX701UY (Europe)
K : DPX701 (North America)
M1 : DPX-MP7090U (Other Areas)

⚠ Indicates safety critical components.

SPECIFICATIONS

FM tuner section

Frequency range
- DPX701U/701UY ..... 87.5MHz~108.0MHz (50kHz space)
- DPX701 ..... 87.9MHz~107.9MHz (200kHz space)
- DPX-MP7090U ..... 87.5MHz~108.0MHz (50kHz space)
  ..... 87.9MHz~107.9MHz (200kHz space)

Usable sensitivity
- DPX701U/701UY (S/N=26dB) 0.7µV/75Ω
- DPX701, DPX-MP7090U (S/N=30dB)
  ..... 9.3dBf (0.8µV/75Ω)

Quieting Sensitivity
- DPX701U/701UY (S/N=46dB) 1.6µV/75Ω
- DPX701, DPX-MP7090U (S/N=50dB)
  ..... 15.2dBf (1.6µV/75Ω)

Frequency response (±3.0dB) ..... 30Hz~15kHz
Signal to Noise ratio (MONO)
- DPX701U/701UY 65dB
- DPX701, DPX-MP7090U 70dB

Selectivity (±400kHz) ..... ≧80dB
Stereo separation (1kHz)
- DPX701U/701UY 35dB
- DPX701, DPX-MP7090U 40dB

AM tuner section (DPX701, DPX-MP7090U)

Frequency range
- DPX701 ..... 530kHz~1700kHz (10kHz space)
- DPX-MP7090U ..... 531kHz~1611kHz (9kHz space)
  ..... 530kHz~1700kHz (10kHz space)

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

MW tuner section (DPX701U/701UY)

Frequency range ..... 531kHz~1611kHz (9kHz space)
Usable sensitivity (S/N=20dB) 25µV

LW tuner section (DPX701U/701UY)

Frequency range ..... 153kHz~281kHz
Usable sensitivity (S/N=20dB) 45µV

CD player section

Laser diode ..... GaAlAs
Digital filter (D/A) ..... 8 Times Over Sampling
D/A Converter 1Bit
Spindle speed (Audio file)
- DPX701/701U/701UY ..... 500~200rpm (CLV)
- DPX-MP7090U ..... 1000~400rpm (CLV 2 times)

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

Wow & Flutter ..... Below Measurable Limit
Frequency response (±1dB) ..... 10Hz~20kHz
Total harmonic distortion (1kHz) 0.008%
Signal to Noise ratio (1kHz) 110dB
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

USB Interface

USB Standard USB1.1/2.0
Maximum Supply current 500mA
File System FAT16/32
MP3 decode ..... Compliant with MPEG-1/2 Audio Layer-3
WMA decode ..... Compliant with Windows Media Audio
AAC decode ..... AAC-LC ".m4a" files

Audio section

Maximum output power ..... 50W x 4
Output power (DIN 45324, +B=14.4V)
- DPX701U/701UY ..... 30W x 4

Full Bandwidth Power (at less than 1% THD)
- DPX701, DPX-MP7090U ..... 22W x 4

Speaker impedance ..... 4~8Ω
Tone action
- Bass ..... 100Hz±8dB
- Middle ..... 1kHz±8dB
- Treble ..... 10kHz±8dB

Preout level/Load (during disc play) 5000mV/10kΩ
Preout impedance ..... ≦80Ω

Auxiliary input

Frequency responce (±1dB) ..... 20Hz~20kHz
Input Maximum Voltage 1200mV
Input impedance 100kΩ

General

Operating voltage (11~16V allowable) 14.4V
Current consumption 10A
Installation Size (W x H x D)
- DPX-MP7090U ..... 178 x 100 x 155 mm
- DPX701/701U/701UY ..... 182 x 112 x 160 mm
  ..... 7-3/16 x 4-7/16 x 6-5/16 inch

Weight ..... 1.64kg (3.62 lbs)

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