

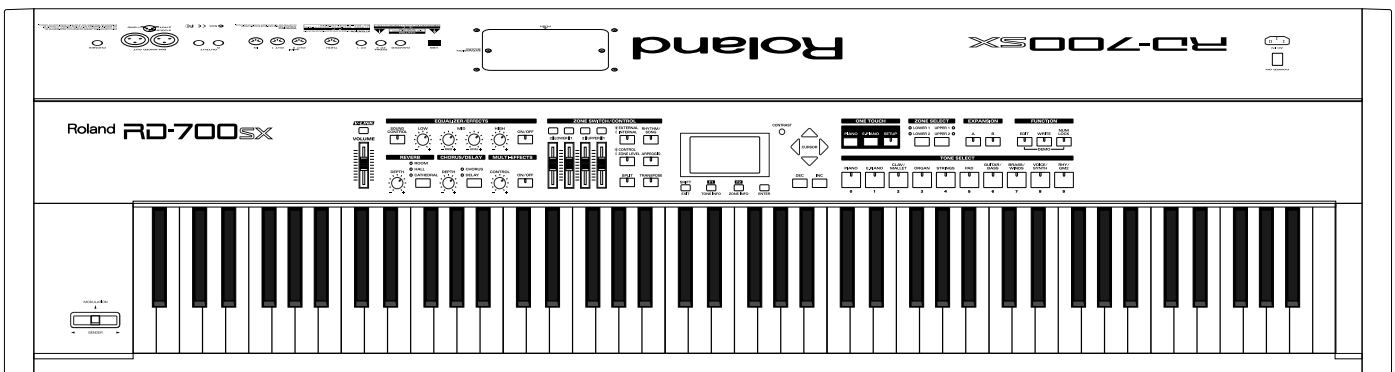
RD-700SX

SERVICE NOTES

Issued by RJA

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CAUTIONARY NOTES

User data status

User data status after each of the following processes is described below.

Whenever carrying out procedures that involve deleting or erasing user data, always be sure to back up the user data to some form of external media (refer to Saving and Loading Data).

Process	User Data
Checking Version number	Preserved
Factory Reset	Deleted
System Update	Preserved
Test Mode	Preserved

* Executing Test Mode during Factory Reset deletes the user data.

PARTS LIST

Due to one or more of the following reasons, parts with parts code ***** cannot be supplied as service parts.

- Part supplied only as a component in a complete assembly
- Copyright does not permit the part to be supplied
- Part is sold commercially

CIRCUIT BOARD

NIU meant that "NOT IN USE" there don't set any contents in the Circuit Diagram.

There has silk-screen only in the Circuit Board.

SPECIFICATIONS

Main Specifications

RD-700SX: Digital Piano (Conforms to General MIDI 2 System)

Keyboard

88 keys (Progressive Hammer Action Keyboard)

Part

16 Parts

Maximum Polyphony

128 voices

Wave Memory

128 M bytes (16-bit linear equivalent)

Expansion Slots

Wave Expansion Board SRX Series: 2 slots

Tones

Normal Tones: 208

Tonewheel Organ: 10

General MIDI 2 Tones: 256

Rhythm Sets: 5

General MIDI 2 Rhythm Sets: 9

Setups

100

Effects

Multi-Effects: 2 systems, 125 types

Reverb: 6 types

Chorus: 3 types

Sound Control (3-band Compressor)

3-band Digital Equalizer

Arpeggiator

128 styles

Rhythm Pattern

185 styles

Flash Memory

Approx. 1 M Bytes (1000 K bytes)

Controllers

Zone Level slider x 4 (Assignable)

Equalizer knobs

Reverb knob

Chorus knob

Multi-Effects Control knob

Pitch Bend/Modulation lever

Display

128 x 64 dots graphic LCD (with backlight)

Connectors

Headphones Jack: Stereo 1/4 inch phone type

Output Jacks (L/MONO, R): 1/4 inch phone type

Output Jacks (L, R): XLR type

Pedal Jacks (DAMPER, FC1, FC2): 1/4 inch TRS phone type

MIDI Connectors (IN, OUT1, OUT2, THRU)

USB Connector (supports file transfer and MIDI)

AC Inlet

Power Supply

AC 117 V, AC 230 V or AC 240 V (50/60 Hz)

AC 220 V (60 Hz)

Power Consumption

12 W

Dimensions

1,414 (W) x 374 (D) x 143 (H) mm

55-11/16 (W) x 14-3/4 (D) x 5-11/16 (H) inches

Weight

24.5 kg / 54 lbs 1 oz

Accessories

Owner's Manual (#72896567)

CD-ROM (RD USB Driver) (#03788701)

Damper Pedal (DP-8) (#SK000133)

Power Cord 120 V (#00894378)

230 V (#00894389)

240VE (#00907001)

240VA (#23495124)

Options

Wave Expansion Board: SRX Series

Pedal Switch: DP-2

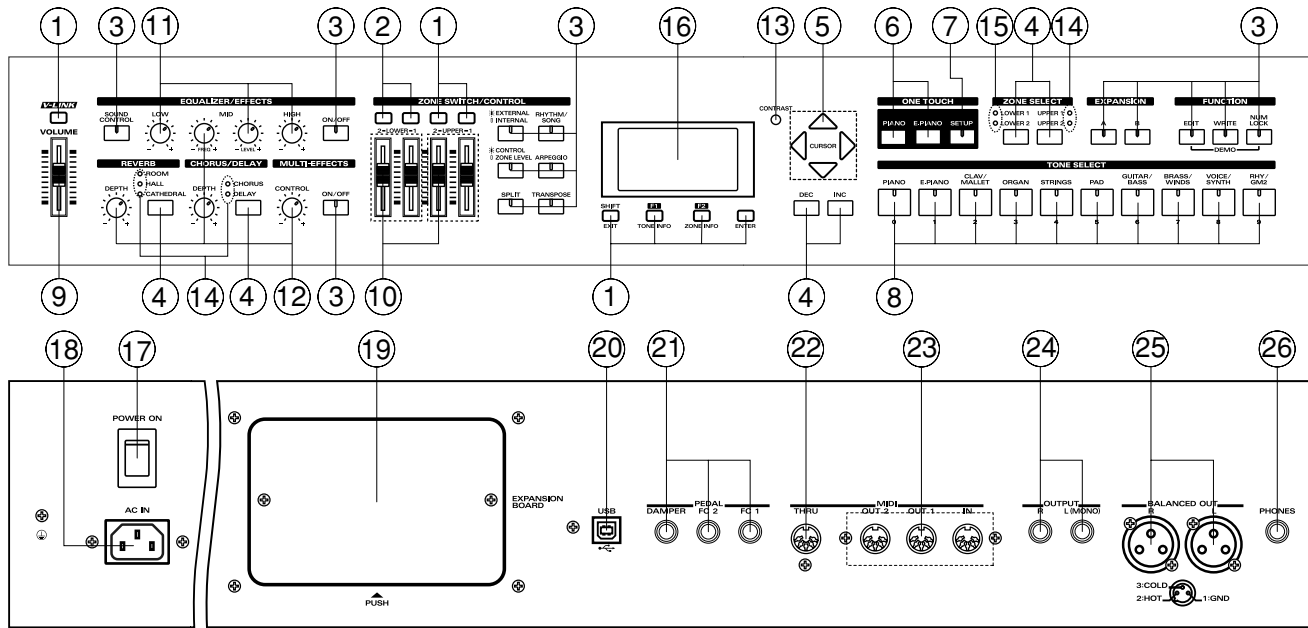
Damper Pedal: DP-8, DP-10

Foot Switch: BOSS FS-5U, FS-6 (TRS phone jacks cannot be used.)

Expression Pedal: EV-5, EV-7

* In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.

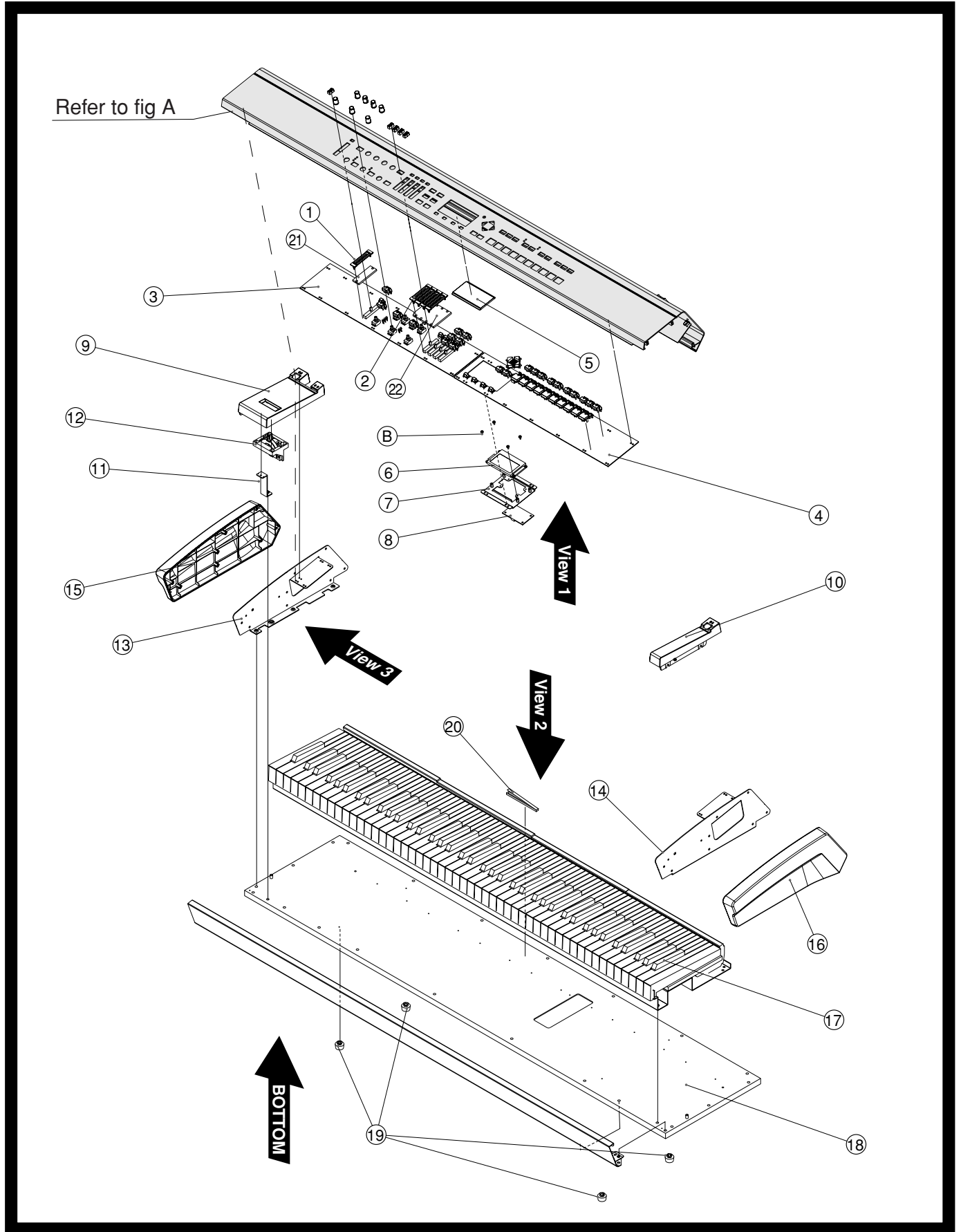
LOCATION OF CONTROLS



LOCATION OF CONTROLS PARTS LIST

NO	PART CODE	CATEGORY	PART NAME	DESCRIPTION
1	01125890	KNOB,BUTTON	D S-KEYTOP	SD1H-A CLR
	01232201	SWITCH	TACT SWITCH WITH LED	SKHJGS (ORANGE)
2	01125890	KNOB,BUTTON	D S-KEYTOP	SD1H-A CLR
	01232212	SWITCH	TACT SWITCH WITH LED	SKHJGR (GREEN)
3	02011412	KNOB,BUTTON	Y S-KEYTOP	SD1H BLK
	01340290	SWITCH	TACT SWITCH	EVQ11A H=5.0
	00348490	DIODE	LED (RED)	SLR-325VCT31
4	02011456	KNOB,BUTTON	Y S-KEYTOP	SX1H BLK
	01340290	SWITCH	TACT SWITCH	EVQ11A H=5.0
5	01234090	KNOB,BUTTON	D T-KEYTOP	MX4B BLK
	01340290	SWITCH	TACT SWITCH	EVQ11A H=5.0
6	03785534	KNOB,BUTTON	Y S-KEYTOP	SX1H MWG
	01340290	SWITCH	TACT SWITCH	EVQ11A H=5.0
7	02011412	KNOB,BUTTON	Y S-KEYTOP	SD1H BLK
	01340290	SWITCH	TACT SWITCH	EVQ11A H=5.0
	01787045	DIODE	LED (ORANGE)	SLR-325DCT31
8	02016445	KNOB,BUTTON	Y S-KEYTOP	LD1H BLK
	13169727	SWITCH	TACT SWITCH	SKPDACD010
	01121689	DIODE	LED (RED/GREEN)	SPR-325MVWT31
9	22485295	KNOB,BUTTON	D S-KNOB	S BLK/LCG
	22225373	CASING	SVR COVER	D S-ESCT SX1H BLK L=30 222-373
	01236834	CASING	POT. DUST COVER A	
	00671556	POTENTIOMETER	30M/M SLIDE POTENTIOMETER	EWANNKX10B14(10KBX2)
10	22485295	KNOB,BUTTON	D S-KNOB	S BLK/LCG
	22225371	CASING	ESCUTCHEON 2P	D S-ESCT SX2H BLK L=30
	01236834	CASING	POT. DUST COVER A	
	13339467	POTENTIOMETER	POTENTIOMETER(SLIDE)	EWA-NFEX10B14 10KB
11	03125589	KNOB,BUTTON	M R-KNOB	MF-ELA BLK/LCG
	01561689	POTENTIOMETER	9M/M ROTARY POTENTIOMETER	RK09D113C 50KB W/CLICK
	03125589	KNOB,BUTTON	M R-KNOB	MF-ELA BLK/LCG
	01561690	POTENTIOMETER	9M/M ROTARY POTENTIOMETER	RK09D113C 50KB W/O CLICK
13	03126189	POTENTIOMETER	9M/M ROTARY POTENTIOMETER	EVUF2AE17B14
14	00785856	DIODE	LED	SLR-342VR3F
	12169381	MISCELLANEOUS	LED SPACER	LDS-90K
15	02015623	DIODE	LED	SLR-342MG3F
	12169381	MISCELLANEOUS	LED SPACER	LDS-90K
16	03679056	CASING	DISPLAY COVER	
17	01786045	CHASSIS	SW HOLDER	AT-217K
	01786012	SWITCH	SEESAW SWITCH	JW-M11RKK
18	02675701	WIRING, CABLE	AC INLET ASSY	WIRING W3(AC INLET+GND)
19	03679089	CASING	EXP COVER	
20	02781189	JACK,EXT TERMINAL	USB CONNECTOR	YKF45-0021
21	13449252	JACK,EXT TERMINAL	6.5MM JACK	YKB21-5006 (STEREO W/SW)
22	01566445	JACK,EXT TERMINAL	DIN CONNECTOR	YKF51-5067
23	13429274	JACK,EXT TERMINAL	MIDI SOCKET	YKF51-5041
24	13449283	JACK,EXT TERMINAL	6.5MM JACK	HLJ7101-01-3010
25	00679767	JACK,EXT TERMINAL	XLR CONNECTOR	NC3MAH
26	13449284	JACK,EXT TERMINAL	6.5MM JACK	HLJ7001-01-3010

EXPLODED VIEW 1



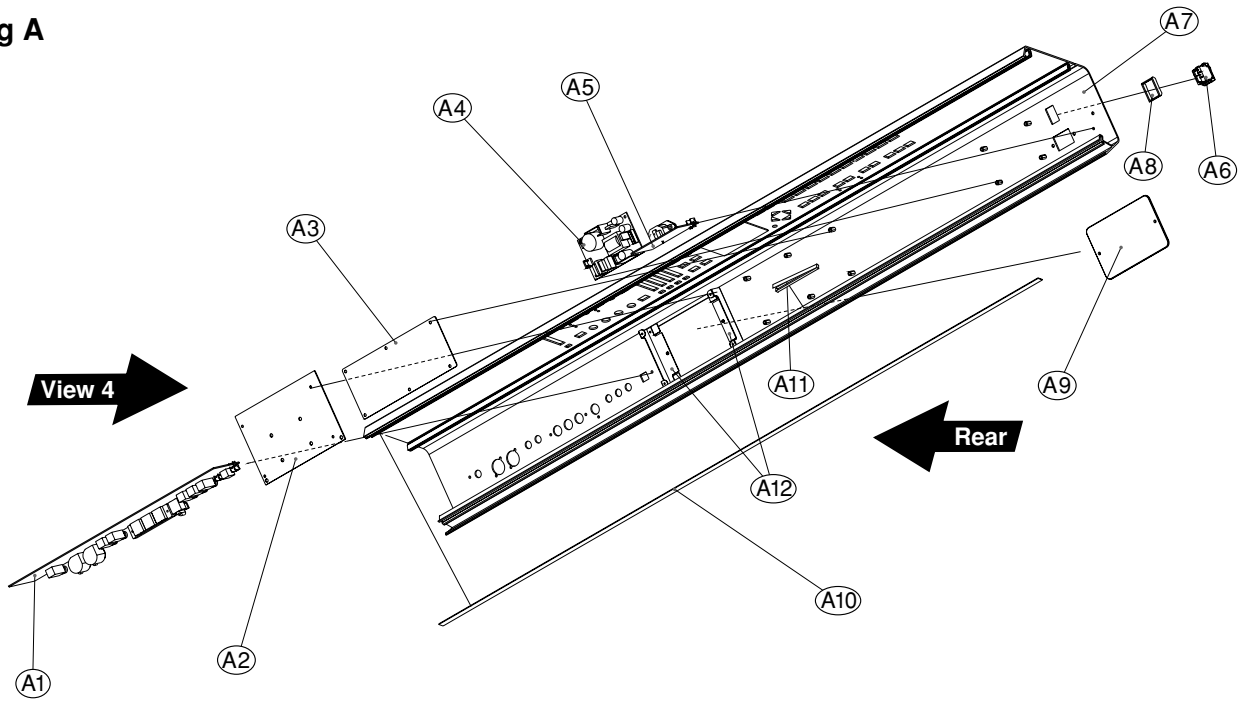
EXPLODED VIEW PARTS LIST 1

Parts

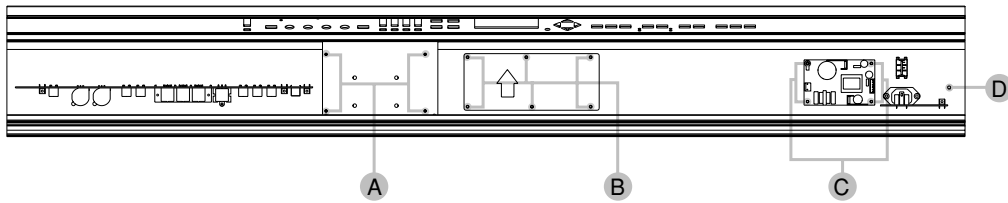
NO.	PART CODE	PART NAME	DESCRIPTION	Q'TY
1	22225373	SVR COVER	D S-ESCT SX1H BLK L=30 222-373	1
2	22225371	ESCUTCHEON 2P	D S-ESCT SX2H BLK L=30	2
3	72789445	PANEL L BOARD ASSY		1
4	72789456	PANEL R BOARD ASSY		1
5	03679056	DISPLAY COVER		1
6	72896623	LCD ASSY		1
7	03679034	LCD HOLDER		1
8	72789512	LCD BOARD ASSY		1
9	03679078	BENDER PANEL		1
10	03679067	END BLOCK		1
11	00128089	END BLOCK HOLDER		1
12	72899889	BENDER UNIT	PB-A0115	1
13	02564878	SIDE HOLDER L		1
14	02564889	SIDE HOLDER R		1
15	03679101	SIDE PANEL L		1
16	03679112	SIDE PANEL R		1
17	71677345	KEYBOARD ASSY	PA-588-ST FOR SERVICE	1
		NOTE: See 'KEYBOARD PARTS LIST' for details.		
18	72891212	BOTTOM BOARD		1
19	12359105	RUBBER FOOT W	RS-09 235-105	4
20	02672678	FLAT CABLE CLIP	NKF-3264	1
21	01236834	POT. DUST COVER A		1/5
22	01236834	POT. DUST COVER A		4/5

EXPLODED VIEW 2

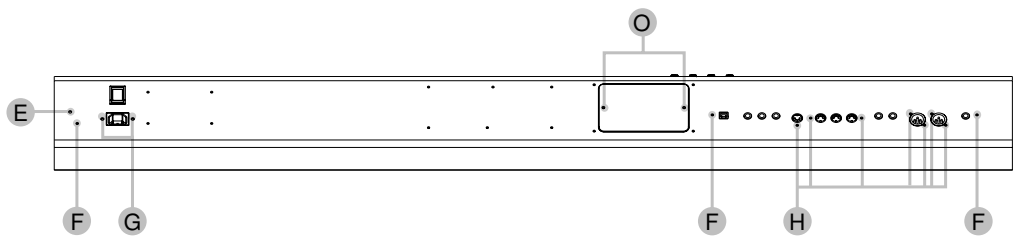
Fig A



View 4



Rear



EXPLODED VIEW PARTS LIST 2

Fig A

NO.	PART CODE	PART NAME	DESCRIPTION	Q'TY
A1	72789467	JACK BOARD ASSY		1
A2	72789501	SRX BASE BOARD ASSY		1
A3	72789489	MAIN BOARD ASSY		1
A4	03782334	SWITCHING REGULATOR	A1DU2L3B184	1
A5	72789478	INLET BOARD ASSY		1
A6	01786012	SEESAW SWITCH	JW-M11RKK	1
A7	72900189	TOP PANEL ASSY		1
NOTE: 'TOP PANEL ASSY' includes the following parts.				
A12	03679178	EXP BOARD HOLDER		
A8	01786045	SW HOLDER	AT-217K	1
A9	03679089	EXP COVER		1
A10	00341778	KEY FELT		1
A11	02672678	FLAT CABLE CLIP	NKF-3264	1

View 4

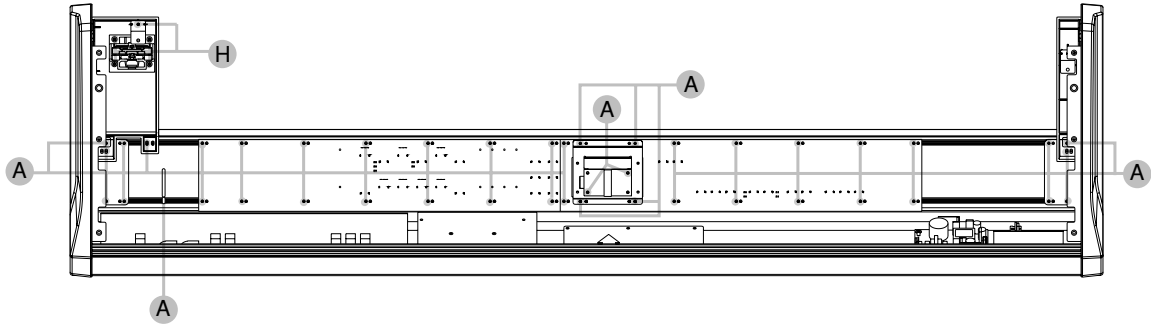
NO	PART CODE	CATEGORY	PART NAME	Q'TY
A	40011067	SCREW 3X8	BINDING TAPTITE B FE ZC	4
B	40013056	SCREW M3X6	PAN MACHINE W/SW+PW(S) ZC	6
C	40017934	SCREW M3X6	PAN MACHINE W/SW+PW(L) ZC	4
D	40011745	HEX NUT M4	SPRING NUT FE ZC	1

Rear

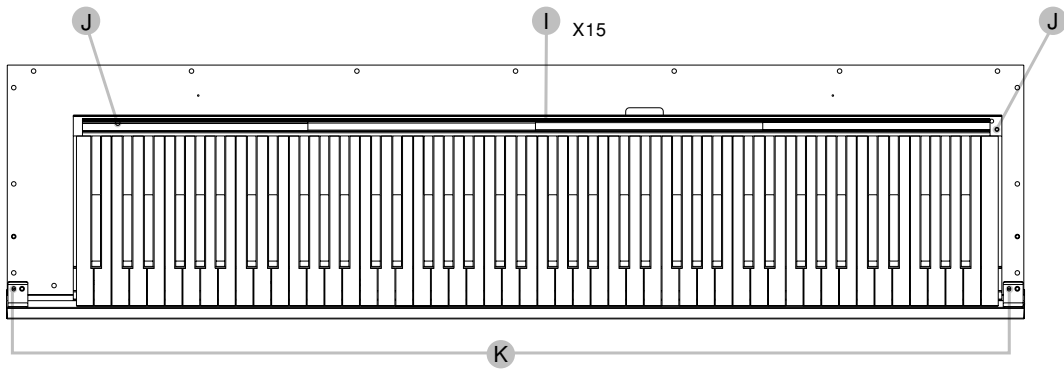
NO	PART CODE	CATEGORY	PART NAME	Q'TY
E	40010334	SCREW 4X8	BINDING BZC	1
F	40011501	SCREW M3X8	PAN MACHINE W/SW BZC	3
G	40238501	SCREW 4X8	BINDING TAPTITE P BZC	2
H	40011312	SCREW 3X8	BINDING TAPTITE P BZC	7
O	40230590	SCREW M3X10	BINDING MACHINE NI	2

EXPLODED VIEW 3

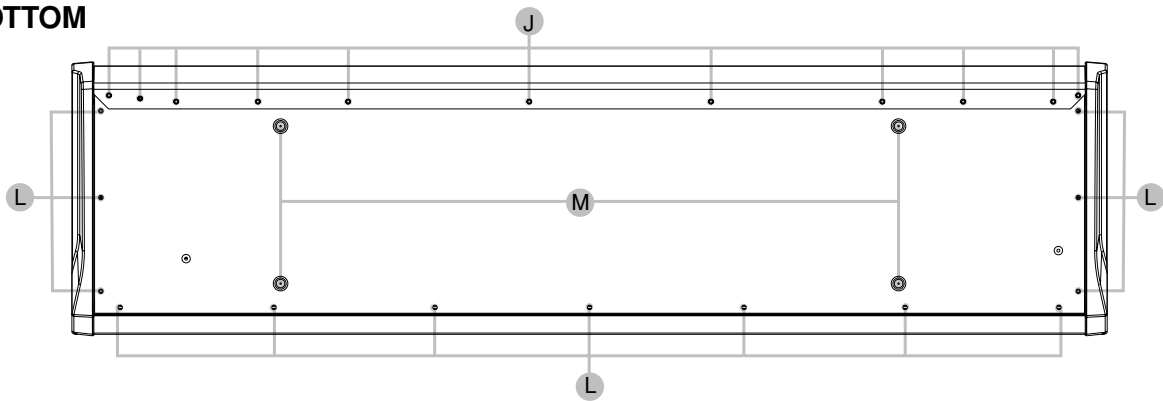
View 1



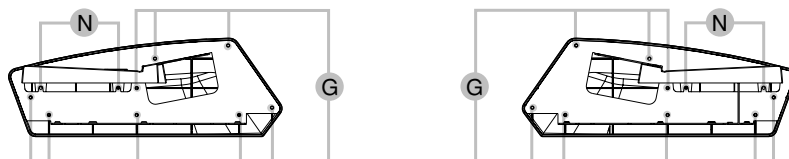
View 2



BOTTOM



View 3



EXPLODED VIEW PARTS LIST 3

View 1

NO	PART CODE	CATEGORY	PART NAME	Q'TY
A	40011067	SCREW 3X8	BINDING TAPTITE B FE ZC	39 (*40)
H	40011312	SCREW 3X8	BINDING TAPTITE P BZC	5

View 2

NO	PART CODE	CATEGORY	PART NAME	Q'TY
I	40346201	SCREW 4X20	TRUSS TAPPING TWIN BZC	15
J	40013023	SCREW M4X25	PAN MACHINE W/SW+PW FE BZC	2
K	40012145	SCREW 4X14	TRUSS TAPPING A BZC	2

BOTTOM

NO	PART CODE	CATEGORY	PART NAME	Q'TY
J	40013023	SCREW M4X25	PAN MACHINE W/SW+PW FE BZC	11
L	40013023	SCREW M4X25	PAN MACHINE W/SW+PW FE BZC	13
M	40010745	SCREW 3X16	BINDING HEAD TAPPING A1 FEZC	4

View 3

NO	PART CODE	CATEGORY	PART NAME	Q'TY
G	40238501	SCREW 4X8	BINDING TAPTITE P BZC	16
N	40012301	SCREW 4X8	BINDING TAPTITE B FE ZC	4

KEYBOARD PARTS LIST

ST-SERVICE ASSY PARTS LIST

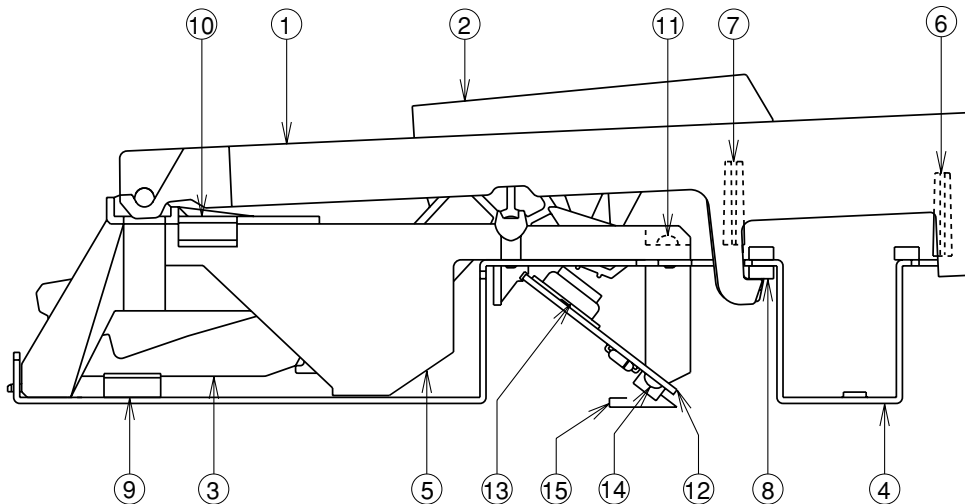
71677345

No.	PART CODE	PART NAME	Qty.
1	01894234	PA-5 N-KEY A	7
	01894245	PA-5 N-KEY B	8
	01894256	PA-5 N-KEY C	7
	01894267	PA-5 N-KEY D	7
	01894278	PA-5 N-KEY E	7
	01894289	PA-5 N-KEY F	7
	01894290	PA-5 N-KEY G	7
	01894312	PA-5 N-KEY A'	1
	01894323	PA-5 N-KEY C'	1
2	01894334	PA-5 SHARP-KEY	36
3	01906756	PA-5 HAMMER-1	22
	01906767	PA-5 HAMMER-2	22
	01906778	PA-5 HAMMER-3	22
	01906789	PA-5 HAMMER-4	22
	*****	PA-5 CHASSIS 88P-A ASSY	1
4	*****	PA-5 CHASSIS 88P	1
5	01894434	PA-5 SUB CHASSIS 12P	7
	01894445	PA-5 SUB CHASSIS 4P	1
6	01894923	PA-4A GUIDE BUSHING C	52
7	00019912	PA-4 GUIDE BUSHING S-KEY	36
8	02016901	PA-5 KEY CUSHION A	3
9	02233878	PA-5 HAMMER CUSHION C	1
10	02016945	PA-5 HAMMER CUSHION B	1
11	40012256	SCREW 3 x 10 BINDING B-TITE FEZC	37
12	71564612	PA-5 PWB LOW ASSY	1
	71564623	PA-5 PWB MID ASSY	1
	71564634	PA-5 PWB HI ASSY	1
	*13	01898956	PA-5 RUBBER SWITCH 12P
14	40011267	SCREW 3 x 6 BINDING TAPTITE P FEZC	22
15	02016989	BNCD-P=1.25-K-16-80	1

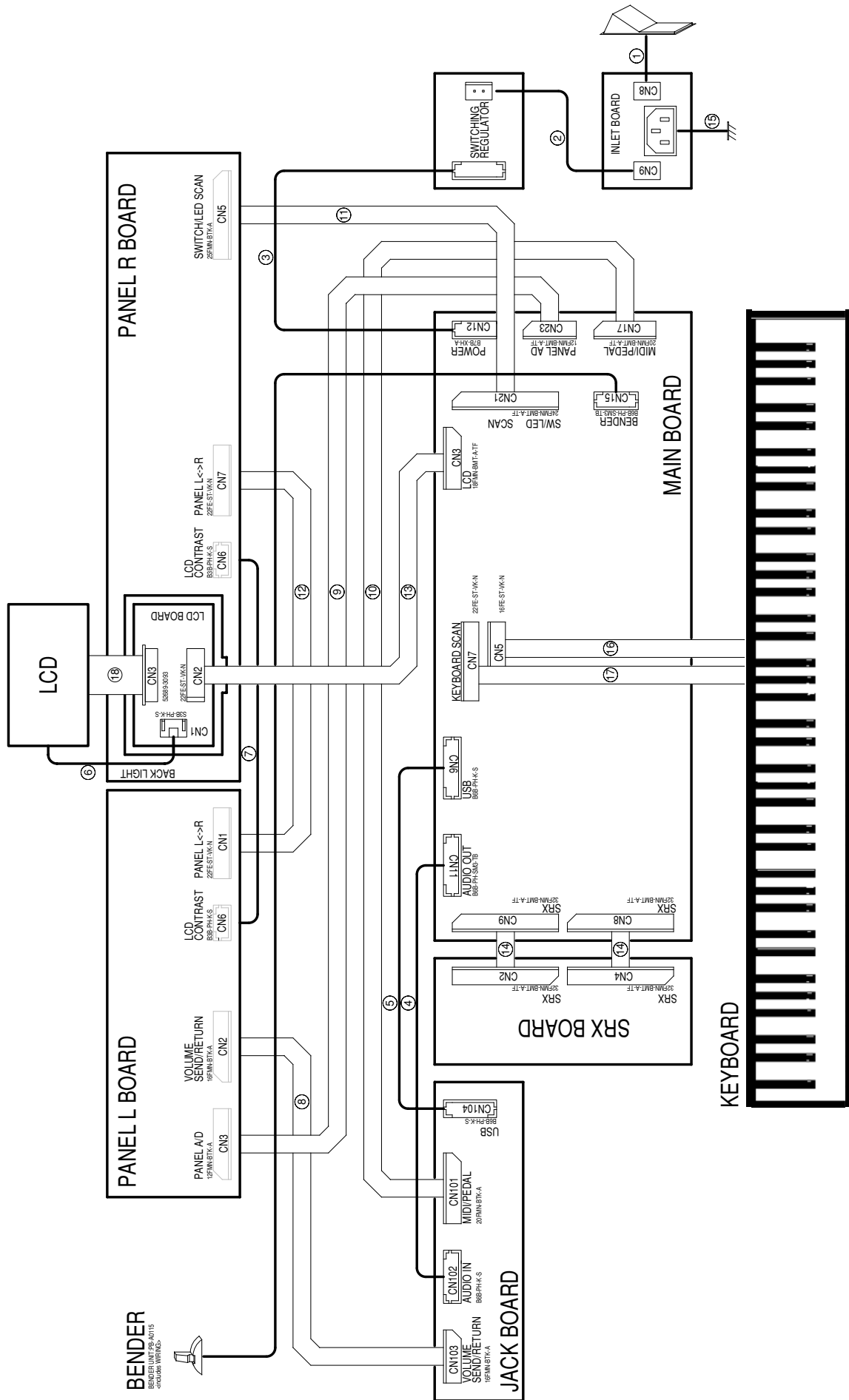
: Item 13 marked * is included in each unit of 12.

2pcs of Ban Card for connecting the Main Board and Keyboard is not included the keyboard Assy.

No.	PART CODE	PART NAME	Qty.
	02565078	BNCD-P=1.25-K-16-700	1
	02565089	BNCD-P=1.25-K-22-650	1



WIRING DIAGRAM



WIRING DIAGRAM PARTS LIST

NO.	PART CODE	PART NAME	DESCRIPTION	Q'TY
1	03787456	WIRING W1		1
2	02564612	WIRING INL-PS		1
3	03787467	WIRING W2		1
4	02343323	WIRING	6X550-P2.0-PHR-PHR-F	1
5	03787534	WIRING W3		1
6	*****	WIRING W4		1
7	02341790	WIRING	3X400-P2.0-PHR-PHR-F	1
8	03787490	BAN CARD	BNCD-P=1.00-K-16-360	1
9	03234690	BAN CARD	BNCD-P=1.00-K-12-650	1
10	03237034	BAN CARD	BNCD-P=1.00-K-20-900	1
11	03787489	BAN CARD	BNCD-P=1.00-K-24-380	1
12	03565334	BAN CARD	BNCD-P=1.25-K-22-300	1
13	03780589	BAN CARD	BNCD-P=1.00-K-18-320	1
14	03787512	BAN CARD	BNCD-P=1.00-K-32-80	2
15	02675701	AC INLET ASSY	WIRING W3 (AC INLET+GND)	1
16	02565078	BAN CARD	BNCD-P=1.25-K-16-700	1
17	02565089	BAN CARD	BNCD-P=1.25-K-22-650	1
18	*****	LCD WIRING		1

* INLET BOARD ASSY(72789478) includes the WIRING #1,#2,#15.

* LCD ASSY(72896623) includes the WIRING #6, #18.

PARTS LIST

SAFETY PRECAUTIONS:
The parts marked Δ have safety-related characteristics. Use only listed parts for replacement.

Due to one or more of the following reasons, parts with parts code ***** cannot be supplied as service parts.

- Part supplied only as a component in a complete assembly
- Copyright does not permit the part to be supplied
- Part is sold commercially

NOTE: The parts marked # are new. (initial parts) The description "Q'TY" means a necessary number of the parts per one product.

CASING

#	03679045	BLIND		1
#	03679056	DISPLAY COVER		1
#	03679089	EXP COVER		1
	01236834	POT. DUST COVER A		1
	22225371	ESCUTCHEON 2P	D S-ESCT SX2H BLK L=30	2
	22225373	SVR COVER	D S-ESCT SX1H BLK L=30 222-373	1
Δ #	03679067	END BLOCK		1
Δ #	03679078	BENDER PANEL		1
Δ #	03679101	SIDE PANEL L		1
Δ #	03679112	SIDE PANEL R		1
#	72891212	BOTTOM BOARD		1
	NOTE: 'BOTTOM BOARD' includes the following parts.			
#	*****	BOTTOM BOARD		1
	12359105	RUBBER FOOT W	RS-09 235-105	4
	40010745	SCREW 3X16	BINDING HEAD TAPPING A1 FEZC	4
	40011712	NUT M4X11.5	WOOD ANCHOR B ZC	2
	40231845	STRAIGHT PIN 6X20	FOR WOOD	2
	72900189	TOP PANEL ASSY		1
	NOTE: 'TOP PANEL ASSY' includes the following parts.			
#	03679178	EXP BOARD HOLDER		2

CHASSIS

#	03679034	LCD HOLDER		1
	00128089	END BLOCK HOLDER		1
	02564889	SIDE HOLDER R		1
	02564878	SIDE HOLDER L		1
	01786045	SW HOLDER	AT-217K	1

KNOB, BUTTON

	01125890	D S-KEYTOP	SD1H-A CLR	9
	01234090	D T-KEYTOP	MX4B BLK	1
	02011412	Y S-KEYTOP	SD1H BLK	15
	02011456	Y S-KEYTOP	SX1H BLK	6
	02016445	Y S-KEYTOP	LD1H BLK	10
#	03785534	Y S-KEYTOP	SX1H MWG	2
	03125589	M R-KNOB	MF-ELA BLK/LCG	7
	22485295	D S-KNOB	S BLK/LCG	5

SWITCH

Δ	01786012	SEESAW SWITCH	JW-M11RKK	1
	01232212	TACT SWITCH WITH LED	SKHJGR (GREEN)	2
	01340290	TACT SWITCH	EVQ11A H=5.0	11
			SW5,SW1 on Panel L Board	+16
			SW23,SW19,SW11,SW8,SW21,SW26,SW22,SW25,SW24,SW20,SW6 on Panel L Board,SW48,SW61,SW60,SW57,SW56,SW28,SW52,SW29,SW47,SW43,SW42,SW38,SW37,SW33,SW32,SW53 on Panel R Board	
	01232201	TACT SWITCH WITH LED	SKHJGS (ORANGE)	3+4
			SW18,SW15,SW7 on Panel L Board,SW30,SW34,SW39,SW44 on Panel R Board	
	13169727	TACT SWITCH	SKPDAC 250G	10
			SW54,SW59,SW55,SW51,SW50,SW46,SW41,SW36,SW31,SW27 on Panel R Board	

JACK, EXT TERMINAL

	01566445	DIN CONNECTOR	YKF51-5067	JK105 on Jack Board	1
	13429274	MIDI SOCKET	YKF51-5041	JK101 on Jack Board	1
	00679767	XLR CONNECTOR	NC3MAH	JK104,JK107 on Jack Board	2
	02781189	USB CONNECTOR	YKF45-0021	JK111 on Jack Board	1
	13449252	6.5MM JACK	YKB21-5006 (STEREO W/SW)	JK106,JK102,JK103 on Jack Board	3
	13449283	6.5MM JACK	HLJ7101-01-3010	JK108,JK109 on Jack Board	2
	13449284	6.5MM JACK	HLJ7001-01-3010	JK110 on Jack Board	1

DISPLAY UNIT

#	72896623	LCD ASSY	F-51320 GNB-LW-AB	1
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NOTE: Replacement LCD ASSY should be made on a unit base.

POWER SUPPLY UNIT

△ #	03782334	A1DU2L3B184	SWITCHING REGULATOR	1
-----	----------	-------------	---------------------	---

NOTE: Replacement A1DU2L3B184 should be made on a unit base.

BENDER UNIT

#	72899889	PB-A0115	BENDER UNIT	1
---	----------	----------	-------------	---

NOTE: Replacement PB-A0115 should be made on a unit base.

KEYBOARD ASSY

	71677345	PA-588-ST FOR SERVICE	KEYBOARD ASSY	1
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NOTE: See 'KEYBOARD PARTS LIST' for details.

PCB ASSY

#	72789445	PANEL L BOARD ASSY		1
		NOTE: 'PANEL L BOARD ASSY' includes the following parts.		
	12169381	LED SPACER	LDS-90K	5
#	72789456	PANEL R BOARD ASSY		1
		NOTE: 'PANEL R BOARD ASSY' includes the following parts.		
	12169381	LED SPACER	LDS-90K	4
#	72789467	JACK BOARD ASSY		1
△ #	72789478	INLET BOARD ASSY		1
		NOTE: 'INLET BOARD ASSY' includes the following parts.		
	02564612	WIRING	INL-PS	1
	02675701	AC INLET ASSY	WIRING W3(AC INLET+GND)	1
#	03787456	WIRING W1	CN9 on Inlet Board JK1 on Inlet Board CN8 on Inlet Board	1
#	72789489	MAIN BOARD ASSY		1
#	72789501	SRX BASE BOARD ASSY		1
#	72789512	LCD BOARD ASSY		1

IC

	01896056	HD74HC4051P	IC (CMOS)	IC4,IC2 on Panel L Board	2
	15189251	M5218AP	IC (BIPOLAR OP AMP)	IC1,IC3 on Panel L Board ,IC101,IC107,IC106, IC102 on Jack Board	2+4
	01677756	HD74HC138P	IC (CMOS)	IC7 on Panel R Board	1
	01677801	HD74HC245PV	IC (CMOS)	IC8 on Panel R Board	1
	15169304H0	HD74LS04P	IC (TTL 6INVERTERS)	IC105 on Jack Board	1
	15189248	M5216P	IC (BIPOLAR OP AMP)	IC108 on Jack Board	1
	03122589	PC910LKNSZ	IC (PHOTO CUPLR)	IC103 on Jack Board	1
	02903723	HD6417706	IC (32BIT CPU)	IC8 on Main Board	1
	02900978	M66291GP	IC (USB CONTROLLER)	IC12 on Main Board	1
	03566067	T6TV2TBG-0002(WX)	IC(CUSTOM)	IC13 on Main Board	1
	02455212	SLAC02AF2H (KSM) KEY SCAN	IC (CUSTOM)	IC11 on Main Board	1
#	03679390	MR27V12800J-0DKTN03	IC (MASK ROM)	IC29 on Main Board	1
#	03679401	MR27V12800J-0DLTN03	IC (MASK ROM)	IC28 on Main Board	1
#	03679412	MR27V12800J-0DMTN03	IC (MASK ROM)	IC27 on Main Board	1
#	03679423	MR27V12800J-0DNTN03	IC (MASK ROM)	IC26 on Main Board	1
	*****	TC58FVM5B2ATG65BAH	IC (FLASH MEMORY)	IC9 on Main Board	1
	03674290	K4S281632F-TC75000	IC (SDRAM)	IC5 on Main Board	1
	03348812	M12L16161A-7T	IC (SDRAM)	IC51 on MAB *Refer to change infromation	1
	03237689	M12L64164A-7TG	IC (SDRAM)	IC42 on MAB *Refer to change infromation	1
	02908656	DAC AK4382-AVT-E2	IC (DAC)	IC22 on Main Board	1
	01901623	TC74LVXC3245FS	IC (CMOS)	IC7 on Main Board	1
	01672634	TC74HC4052AFT(EL)	IC (COMS)	IC25 on Main Board	1
	01349590	TC7WU04FU(TE12L)	IC (CMOS)	IC32,IC18,IC21 on Main Board	3
	01348901	TC7SH04FU(TE85L)	IC (CMOS)	IC30 on Main Board	1
	01455301	TC7WH04FU(TE12L)	IC (CMOS)	IC48 on Main Board	1
	01675023	TC74VHC139FT(EL)	IC (CMOS)	IC33,IC39 on Main Board	2
	01783523	TC74VHCT245AFT(EL)	IC (CMOS)	IC6 on Main Board	1
	01899156	TC74VHC32FT(EL)	IC (CMOS)	IC34,IC47 on Main Board	2
	02129334	TC7WH08FU(TE12L)	IC (CMOS)	IC35 on Main Board	1
	02565212	SN74LV245A-PW	IC (CMOS)	IC4,IC3 on Main Board	2+5
	02675634	TC74VHCT32AFT(EL)	IC (CMOS)	IC46,IC45 on Main Board	2
	03016145	TC74VHC573FT(EL)	IC (CMOS)	IC2 on Main Board	1
	03561112	TC7SH14FU(TE85L)	IC (CMOS)	IC43 on Main Board	1
	15289105	UPC4570G2-E2	IC (BIPOLAR OP AMP)	IC38 on Main Board	1
	15289141	M5223AFP-600D	IC (BIPOLAR OP AMP)	IC41 on Main Board	1
	01458445	UPC29M33T-T1	IC (REGULATOR)	IC24 on Main Board	1
	01678512	UPC2933T-T2	IC (REGULATOR)	IC20,IC10 on Main Board	2

IC					
	15289402	TA78L05F(TE12L)	IC (REGULATOR)	IC23 on Main Board	1
	02671545	PQ070XZ01ZP	IC (REGULATOR)	IC19,IC1 on Main Board	2
	15199937	M51953BFP-600C	IC (RESET)	IC44 on Main Board	1
	01348945	TC7SH32FU(TE85L)	IC (CMOS)		1
	01908689	TC74VHC21FT(EL)	IC (CMOS)		1
#	03780101	NJM2885DL1-33-TE1	IC (REGULATOR)		1
TRANSISTOR					
	15119163	RN2227(TPE4)	TRANSISTOR	Q7,Q8,Q9,Q10,Q13,Q5,Q6,Q14 on Panel R Board	8
	15129164	DTC114ESTP	DIGITAL TRANSISTOR	Q11,Q16,Q17,Q18,Q19,Q20,Q12,Q15 on Panel R Board,Q123 on Jack Board	8+1
	00897201	2SA1706S-AN	TRANSISTOR	Q121 on Jack Board	1
	15129151	2SC1815-GR(TPE2)	TRANSISTOR	Q122,Q120 on Jack Board	2
	15129152	2SC2878-A(TPE2)	TRANSISTOR	Q111,Q119,Q118,Q117,Q116,Q112,Q110,Q107,Q106,Q114 on Jack Board	10
	02671067	DTA114YSATP	TRANSISTOR	Q108,Q103,Q101 on Jack Board	3
	15119141	DTA114ESATP	DIGITAL TRANSISTOR	Q105 on Jack Board	1
	03452223	DTC144WSATP	TRANSISTOR	Q104,Q102,Q109 on Jack Board	3
	15329507	DTA114EKT146	DIGITAL TRANSISTOR		2
DIODE					
	15019126	1SS133 T-77	SWITCHING DIODE	D11,D8,D7,D6,D5,D1,D19,D20,D21,D22,D23,D24,D25,D15,D18 on Panel L Board,D44,D37,D38,D39,D41,D43,D47,D46,D42,D36,D34,D33,D32,D31,D48,D29,D55,D28,D27,D30,D60,D51,D52,D61,D54,D56,D57,D59,D50,D53 on Panel R Board,D101,D108,D113,D112,D111,D109,D107,D106,D105,D104,D102,D114,D103 on Jack Board	16 +30 +13
	00348490	SLR-325VCT31	LED (RED)	LED20,LED19,LED21,LED22,LED23,LED24,LED25,LED26,LED6 on Panel L Board,LED60,LED56,LED52,LED47,LED43 on Panel R Board	9+5
	00785856	SLR-342VR3F	LED	LED14,LED13,LED12,LED10,LED9 on Panel L Board,LED40,LED35 on Panel R Board	5+2
	01787045	SLR-325DCT31	LED (ORANGE)	LED29 on Panel R Board	1
	02015623	SLR-342MG3F	LED	LED45,LED49 on Panel R Board	2
	01121689	SPR-325MVWT31	LED (RED/GREEN)	LED51,LED27,LED31,LED36,LED41,LED50,LED54,LED55,LED59,LED46 on Panel R Board	10
	15019415	MTZJ T-77 10B	ZENER DIODE	D110 on Jack Board	1
	01897189	MA147-(TX)	ARRAY DIODE	D4,D3 on Main Board	2
#	03565401	TLGU1002A(T02)	LED		2
RESISTOR					
	13749189	SR50TR 101 J (1/2W)	CARBON RESISTOR	R49,R50 on Panel L Board	2
	13749757T0	SR25TRE 220 J	CARBON RESISTOR	R7,R9,R10,R23,R8,R6,R5,R4,R25,R26,R24 on Panel L Board,R64,R69,R68,R67,R65,R72,R59,R58,R66 on Panel R Board	11 +9
	13749773T0	SR25TRE 101 J	CARBON RESISTOR	R18,R16,R2,R3,R13,R19,R14 on Panel L Board,R51,R52,R71,R53 on Panel R Board,R110,R121,R111,R112,R109,R108,R106,R138,R137,R122,R190 on Jack Board	7+4 +11
	13749817T0	SR25TRE 682 J	CARBON RESISTOR	R1,R17,R15,R11 on Panel L Board ,R177,R180 on Jack Board	4+2
	13749845T0	SR25TRE 104 J 1/4W	CARBON RESISTOR	R12,R21 on Panel L Board ,R130,R129,R104,R157,R120,R189,R150,R136,R191,R174,R172,R161,R160,R159,R151,R144,R143,R192 on Jack Board	2 +18
	13749797T0	SR25TRE 102 J	CARBON RESISTOR	R54,R61,R55,R57,R60,R63,R62,R56 on Panel R Board,R202,R187,R101 on Jack Board	8+3
	01238278	SR50TR 681 J	CARBON RESISTOR	R206,R207 on Jack Board	2
	13749203T0	1/2W 47 OHM	CARBON RESISTOR	R178,R181,R179,R182 on Jack Board	4
	13749775T0	SR25TRE 121 J	CARBON RESISTOR	R105,R205 on Jack Board	2
	13749777T0	SR25TRE 151 J	CARBON RESISTOR	R139,R142,R141,R140,R128,R127,R124,R123 on Jack Board	8
	13749785T0	SR25TRE 331 J	CARBON RESISTOR	R149,R166 on Jack Board	2
	13749793T0	SR25TRE 681 J 680 OHM 1/4W	CARBON RESISTOR	R185,R165,R148,R186 on Jack Board	4
	13749801T0	SR25TRE 152 J 1/6W	CARBON RESISTOR	R197 on Jack Board	1
	13749813T0	SR25TRE 472 J	CARBON RESISTOR	R135,R126,R103,R119 on Jack Board	4
	13749821T0	SR25TRE 103 J	CARBON RESISTOR	R188,R164,R155,R170,R117,R147 on Jack Board	6
	13749837T0	SR25TRE 473 J	CARBON RESISTOR	R204 on Jack Board	1
	13749781T0	SR25TRE 221 J	CARBON RESISTOR	R118,R132,R131,R116,R114,R113 on Jack Board	6
	13749809T0	SR25TRE 332 J 1/6W	CARBON RESISTOR	R134,R133,R145,R146,R152,R156,R162,R167,R201,R171,R198,R200,R199,R175,R184,R183 on Jack Board	16
	00566912	RPC05T 220 J	MTL.FILM RESISTOR	R117 on Main Board	1
	00566923	RPC05T 270 J	MTL.FILM RESISTOR	R76,R77 on Main Board	2

RESISTOR					
00566934	RPC05T 330 J	MTL.FILM RESISTOR	R105,R104,R103,R101,R52,R34,R106,R24,R143,R89,R67,R82,R144,R99,R58,R51,R40,R39,R53,R54,R2,R56,R102,R59,R61,R38,R62,R64,R63,R35,R55,R183,R265,R160,R145,R177,R179,R148,R181,R162,R190,R191,R192,R197,R202,R208,R159,R259,R180,R147,R146,R178 on Main Board	53	
00566967	RPC05T 470 J	MTL.FILM RESISTOR	R18 on Main Board	1	
00566990	RPC05T 680 J	MTL.FILM RESISTOR	R115 on Main Board	1	
00567023	RPC05T 101 J	MTL.FILM RESISTOR	R8,R7,R157,R166,R168 on Main Board	7+1	
00567089	RPC05T 331 J	MTL.FILM RESISTOR	R73 on Main Board	1	
00567112	RPC05T 471 J	MTL.FILM RESISTOR	R1,R98 on Main Board	2	
00567123	RPC05T 561 J	MTL.FILM RESISTOR	R130,R131,R132,R133 on Main Board	4	
00567156	RPC05T 102 J	MTL.FILM RESISTOR	R150,R16,R15,R195,R194,R189,R149,R151 on Main Board	8	
00567178	RPC05T 152 J	MTL.FILM RESISTOR	R71 on Main Board	1	
00567190	RPC05T 222 J	MTL.FILM RESISTOR	R155,R154,R199,R198,R153 on Main Board	5	
00567267	RPC05T 682 J	MTL.FILM RESISTOR	R121,R122,R123,R186,R120 on Main Board	5	
00567301	RPC05T 153 J	MTL.FILM RESISTOR	R129,R128,R126,R125 on Main Board	4	
00567390	RPC05T 683 J	MTL.FILM RESISTOR	R188,R127,R124 on Main Board	2	
00567556	RPC05T 105 J	MTL.FILM RESISTOR	R66,R72,R107,R3 on Main Board	4	
01904956	RR0816P-821-D	MTL.FILM RESISTOR	R21,R23 on Main Board	2	
01905001	RR0816P-103-D	MTL.FILM RESISTOR	R5 on Main Board	2	
02239612	RR0816P-472-D	MTL.FILM RESISTOR	R4,R108 on Main Board	2	
02673401	RR0816P-102-D	MTL.FILM RESISTOR	R6,R110 on Main Board	2	
03018490	RR0816P-221-D	MTL.FILM RESISTOR	R22,R20 on Main Board	2	
03560701	RR0816R-101-D	MTL.FILM RESISTOR	R111,R112 on Main Board	2	
00567067	RPC05T 221 J	MTL.FILM RESISTOR	R96,R95,R97,R94 on Main Board	4+2	
00567234	RPC05T 392 J	MTL.FILM RESISTOR	R187 on Main Board	1	
00567245	RPC05T 472 J	MTL.FILM RESISTOR		1	
01011856	RPC05T 0R0 J	MTL.FILM RESISTOR	L6,R134,R29,C242,R232,R100,R57,R227,R135,L7,R81,R78,R75,R74,R12,R33,R226,R210,R184,R174,R14,R13,R163,C269,R211,R139,R209,R203,R196,R268,R141,R241,R142,R140,R164,R25,R193,R256,L1,R224,R19,R26 on Main Board	40 +4 +3	
00567289	RPC05T 103 J	MTL.FILM RESISTOR	R17,R11,R88,R10,R32,R41,R50,R93,R69,R70,R68,R86,R87,R42,R165,R90,R167,R92,R161,R156,R152,R136,R231,R9,R119,R118 on Main Board	26 +3 +1	
02456878	EXB2HV220JV	RESISTOR-ARRAY	RA66,RA65,RA62 on Main Board	3	
03015278	EXB28V220JX	RESISTOR-ARRAY	RA67 on Main Board	1	
03015289	EXB28V103JX	RESISTOR-ARRAY	RA87,RA52,RA53,RA91,RA89,RA19,RA17,RA15,RA10,RA8,RA90,RA11 on Main Board	12 +1	
#	03679856	EXB28V221JX	RESISTOR-ARRAY	1	
#	03679867	EXB2HV221JV	RESISTOR-ARRAY	3	
	02678534	EXB2HV103V	RESISTOR-ARRAY	23 +2	
02904445	EXB2HV330JV	RESISTOR-ARRAY	RA54,RA12,RA13,RA16,RA18,RA23,RA55,RA38,RA46,RA39,RA40,RA41,RA42,RA43,RA26,RA36,RA44,RA45,RA37,RA58,RA63,RA64,RA57 on Main Board	33 +9	
03015301	EXB28V330JX	RESISTOR-ARRAY	RA80,RA70,RA69,RA68,RA59,RA51,RA50,RA79,RA49,RA71,RA78,RA3,RA32,RA48,RA2,RA4,RA6,RA5,RA9,RA14,RA20,RA21,RA22,RA30,RA31,RA1,RA33,RA34,RA35,RA24,RA7,RA29,R447 on Main Board	15	
00567412	RPC05T 104 J	MTL.FILM RESISTOR	RA77,RA94,RA85,RA84,RA83,RA82,RA92,RA81,RA25,RA76,RA75,RA88,RA86,RA72,RA56 on Main Board	2	
POTENTIOMETER					
01561690	RK09D113C 50KB W/O CLICK	9M/M ROTARY POTENTIOMETER	VR4,VR8,VR2,VR5 on Panel L Board	4	
01561689	RK09D113C 50KB W/CLICK	9M/M ROTARY POTENTIOMETER	VR3,VR7,VR6 on Panel L Board	3	
00671556	EWANNKX10B14(10KBX2)	30M/M SLIDE POTENTIOMETER	VR1 on Panel L Board	1	
13339467	EWA-NFEX10B14 10KB	POTENTIOMETER(SLIDE)	VR10,VR12,VR9,VR11 on Panel L Board	4	
03126189	EVUF2AE17B14	9M/M ROTARY POTENTIOMETER	VR13 on Panel R Board	1	
CAPACITOR					
03124990	RPE2C1H330J2M1Y01A	CERAMIC CAPACITOR	C18,C22,C19,C6,C5,C4,C3,C20 on Panel L Board ,C186,C168,C164,C163,C144,C187,C157,C155,C146,C162 on Jack Board	8 +10	
13529132	RPE132-901F104Z50	CERAMIC CAPACITOR	C23,C46,C43,C30,C29,C28,C54,C26,C67,C21,C14,C13,C12,C11,C10,C9,C8,C7,C27,C51 on Panel L Board,C59,C62,C68 on Panel R Board,C101,C134,C130,C123,C122,C120,C135,C102,C131,C118,C108,C161,C106,C104,C103,C167,C119,C140,C150,C179,C110,C184,C112,C114,C116,C124,C180,C136 on Jack Board	20 +3 +28	
13549343	ECQ-B1H151KF3	POLYEST. CAPACITOR	C16,C1 on Panel L Board	2	
03234489	RC2-25V101MG1#-T2	CHEMICAL CAPACITOR	C55,C50,C47,C42,C15 on Panel L Board,C60 on Panel R Board	5+1	
02782712	RC2-35V330M-T2	CERAMIC CAPACITOR	C2,C17 on Panel L Board	2	
03125023	RPER11H103K2M1A01A	CERAMIC CAPACITOR	C165,C166 on Jack Board	2	
03232145	RPER11H102K2M1A01A	PTR MLT.LAY.CERA	C137,C127,C128,C138 on Jack Board	4	
03236201	RPE2C1H681J2M1A01A	MLT.LAY.CERA CAPACITOR	C178 on Jack Board	1	
03018545	RPE2C1H101J2M1A01A	CERAMIC CAPACITOR	C170,C159,C172,C148 on Jack Board	4	

CAPACITOR					
	02782934	RE3-35V330MB-T2	CHEMICAL CAPACITOR	C174 on Jack Board	1
	02127812	RA2-25V470MT2	CHEMICAL CAPACITOR	C133,C147,C158,C154,C151,C142,C132,C126,C125,C143 on Jack Board	10
	01902867	RA2-25V101M-T2	CHEMICAL CAPACITOR	C153,C152,C121,C117,C115,C113,C109,C107,C105,C169 on Jack Board	10
	02782734	RE3-16V471M-T2	CHEMICAL CAPACITOR	C182,C177 on Jack Board	2
	02895378	RE3-35V101MB-T2	CHEMICAL CAPACITOR	C111,C188,C189,C183 on Jack Board	4
	01674190	ECJ1VC1H150J	CERAMIC CAPACITOR	C147,C2,C63,C148,C3 on Main Board	2
	01674212	ECJ1VC1H220J	CERAMIC CAPACITOR	C75,C39,C146,C51,C50 on Main Board	5
	01674223	ECJ1C1H270J	CERAMIC CAPACITOR		4
	01674234	ECJ1VC1H330J	CERAMIC CAPACITOR	C64,C157,C158,C151,C156,C159,C206,C21,C196,C207 on Main Board	8
	01674278	ECJ1VCH470J	CERAMIC CAPACITOR	C223,C224 on Main Board	3
	01674423	ECUV1H471JCV	CERAMIC CAPACITOR	C23,C22 on Main Board	2
	01674612	ECJ1VB1H103K	CERAMIC CAPACITOR	C204,C197 on Main Board	1
	01674712	ECJ1VF1A105Z	CERAMIC CAPACITOR	C59,C195 on Main Board	2
	03230678	GRM31MF11A106ZA01L	CERAMIC CAPACITOR	C160,C231,C53,C54,C55,C56,C57,C58,C76,C161,C163,C164,C165,C166,C162,C168,C167 on Main Board	17
	01674701	ECJ1VF1E104Z 0.1UF/16VK	CERAMIC CAPACITOR	C36,C46,C43,C42,C41,C40,C37,C60,C35,C34,C33,C38,C49,C29,C61,C65,C66,C68,C70,C71,C72,C73,C74,C141,C77,C47,C14,C78,C69,C4,C5,C6,C7,C8,C9,C10,C11,C31,C13,C32,C15,C16,C17,C18,C19,C20,C24,C25,C26,C27,C28,C30,C12,C138,C126,C155,C154,C153,C152,C150,C149,C145,C171,C139,C172,C137,C136,C135,C134,C133,C132,C131,C130,C129,C128,C127,C140,C198,C229,C228,C227,C225,C221,C220,C209,C208,C202,C170,C199,C143,C67,C186,C79,C142,C185,C178,C177,C176,C175,C174,C173,C201,C109,C100,C119,C102,C103,C104,C105,C106,C90,C108,C99,C110,C111,C112,C113,C114,C115,C116,C117,C118,C107,C87,C194,C125,C80,C81,C82,C83,C84,C101,C86,C98,C88,C89,C91,C92,C93,C94,C95,C96,C97,C85,C122,C120,C123,C121,C124 on Main Board	149 +18 +2
	02129534	ECJ1VB1H102K	CERAMIC CAPACITOR	C219,C218 on Main Board	2
	01674334	ECJ1VC1H101J	CERAMIC CAPACITOR	C255,C259,C257,C254,C253,C215,C214,C213,C212,C144,C258 on Main Board	11
	01674534	ECJ1VB1H332K	CERAMIC CAPACITOR	C203,C261 on Main Board	2
	01898423	ECHU1H222JX5	POLYEST. CAPACITOR	C179,C184 on Main Board	2
	02126423	ECHU1H331JX5	POLYEST. CAPACITOR	C180,C181,C182,C183 on Main Board	4
	02345089	RV2-25V220MU-R	CHEMICAL CAPACITOR	C192,C193,C200,C217,C191 on Main Board	5
	02345112	RV2-16V220MU-RR2	CHEMICAL CAPACITOR	C188,C232,C52,C233,C169,C187,C189,C190 on Main Board	8+5
	02345145	RV2-16V101M-R	CHEMICAL CAPACITOR	C235 on Main Board	1+1
	03239356	ECJTVC1H220K	CAPACITOR-ARRAY	CA3,CA2,CA1 on Main Board	3
#	03678990	SY3-1V105MZ4-RA	TANTALUM CAPACITOR		8
INDUCTOR, COIL, FILTER					
	12449347	EXC ELDR35V	FERRITE-BEAD	L116,L104,L121,L119,L118,L117,L115,L114,L113,L112,L111,L109,L107,L105,L103,L102,L101,L110,L106,L108 on Jack Board	20
	02451367	ZCYS51R5-M3PAT	CHOKE COIL	L8 on Main Board	1
	01909645	EXCML16A270U	FERRITE-BEAD		2
	01565578	N1608Z601T01	FERRITE-BEAD	L2 on Main Board	1
CRYSTAL, RESONATOR					
	01340745	MA-406 12MHZ	CRYSTAL	X2 on Main Board	1
	02673123	MA-406 16.500MHZ	CRYSTAL	X1 on Main Board	1
	02673134	MA-406 16.9344MHZ	CRYSTAL	X3 on Main Board	1
CONNECTOR					
	02016956	22FE-ST-VK-N	CONNECTOR	CN1 on Panel L Board,CN7 on Panel R Board	1+1
	02900534	12FMN-BTK	CONNECTOR	CN3 on Panel L Board	1
	02011934	16FMN-BTK	CONNECTOR	CN2 on Panel L Board,CN103 on Jack Board	1+1
	03013978	B3B-PH-K-S JST(PB FREE)	CONNECTOR	CN12 on Panel L Board,CN6 on Panel R Board	1+1
#	02012012	24FMN-BTK-A	CONNECTOR	CN5 on Panel R Board	1
	02011978	20FMN-BTK	CONNECTOR	CN101 on Jack Board	1
	13369566	B6B-PH-K-S JST(6P)	CONNECTOR	CN6 on Main Board,CN102,CN104 on Jack Board	2+1
	01908667	22FE-BT-VK-N	CONNECTOR	CN7 on Main Board	1
	01908645	16FE-BT-VK-N	CONNECTOR	CN5 on Main Board	1
	02905623	18FMN-BMT-A-TF	CONNECTOR	CN3 on Main Board	1
	02902801	B4B-PH-SM3-TB	CONNECTOR		3
	02906545	CONNECTOR B7B-PH-SM3-TB	CONNECTOR	CN12 on Main Board	1
	02902845	B6B-PH-SM3-TB	CONNECTOR	CN15,CN11 on Main Board	2
	03670690	12FMN-BMT-A-TFT	CONNECTOR	CN23 on Main Board	1
#	03674212	24FMN-BMT-A-TF	CONNECTOR	CN21 on Main Board	1
#	03674256	32FMN-BMT-A-TF	CONNECTOR	CN8,CN9 on Main Board	2+2
#	03674201	20FMN-BMT-A-TF	CONNECTOR	CN17 on Main Board	1
	02010078	TX25-80P-6ST-E1	CONNECTOR		2
#	02455423	18FMN-SMT-A-TF	CONNECTOR		1
	02567701	52689-3093	CONNECTOR		1

CONNECTOR

13369663	JST S3B-PH-K-S(3P)	CONNECTOR	1
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WIRING, CABLE

#	03780589	BAN CARD	BNCD-P=1.00-K-18-320	1
	02343323	WIRING	6X550-P2.0-PHR-PHR-F	1
#	02341790	WIRING	3X400-P2.0-PHR-PHR-F	1
#	03787534	WIRING W3		1
#	03787467	WIRING W2		1
#	03787512	BAN CARD	BNCD-P=1.00-K-32-80	2
#	03787490	BAN CARD	BNCD-P=1.00-K-16-360	1
#	03787489	BAN CARD	BNCD-P=1.00-K-24-380	1
	03565334	BAN CARD	BNCD-P=1.25-K-22-300	1
	03237034	BAN CARD	BNCD-P=1.00-K-20-900	1
	03234690	BAN CARD	BNCD-P=1.00-K-12-650	1
	02565078	BAN CARD	BNCD-P=1.25-K-16-700	1
	02565089	BAN CARD	BNCD-P=1.25-K-22-650	1

SCREW

	40010334	SCREW 4X8	BINDING BZC	1
	40230590	SCREW M3X10	BINDING MACHINE NI	2
	40012145	SCREW 4X14	TRUSS TAPPING A BZC	2
	40346201	SCREW 4X20	TRUSS TAPPING TWIN BZC	15
	40128512	SCREW 4X25X20	PAN WASHER HEAD TAPTITE B BZC	13
	40012301	SCREW 4X8	BINDING TAPTITE B FE ZC	4
	40011067	SCREW 3X8	BINDING TAPTITE B FE ZC	44
	40011312	SCREW 3X8	BINDING TAPTITE P BZC	11
	40238501	SCREW 4X8	BINDING TAPTITE P BZC	18
	40012867	SCREW M3X8	PAN MACHINE W/SW+PW ZC	4
	40013023	SCREW M4X25	PAN MACHINE W/SW+PW FE BZC	13
	40011501	SCREW M3X8	PAN MACHINE W/SW BZC	3
	40013056	SCREW M3X6	PAN MACHINE W/SW+PW(S) ZC	10
	40011745	HEX NUT M4	SPRING NUT FE ZC	1
	40017934	SCREW M3X6	PAN MACHINE W/SW+PW(L) ZC	4

PACKING

#	03787745	PACKING CASE SET	1
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MISCELLANEOUS

	40122812	ACETATE TAPE	NITTO NO.5 BLK W15MM 30M	10
	40122434	DOUBLE-FACED TAPE	#500 W7MM 20M 30P	50
	40122556	DOUBLE FACED ADHESHIVE TAPE	#575X W30MM 30M 10P 30CM	12
#	40344589	DOUBLE-FACED TAPE	#501F W50MM 20M	45
	40122923	DOUBLE FACED ADHESHIVE TAPE	NITTO NO.501F W20MM 20M	70
	02672678	FLAT CABLE CLIP NKF-3264	CORD	2
	00341778	KEY FELT		1
	01902756	PWB SPACER	RSPS-12L	2
	02019034	PWB SPACER	RSPLS-12L	2
	40017378	COATING CLIP	CS-7	2
	40016523	INSULOK TIE 100M/M T-18R	((1000 PCS ORDERING PER))	13
	12199584	GROUNDING TERMINAL	M1698	2+1
			TER001,TER003 on Jack Board,TER004 on Inlet Board	

ACCESSORIES (STANDARD)

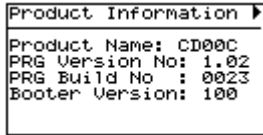
△	03340956	AC CORD SET	100V YA-101/YP-3NB	1
△	00894378	AC CORD SET	120V SP301+IS14 SJT18/3	1+1
△	00894389	AC CORD SET	230V SP22+IS14 H05VV-F3G1.0	1
△	00907001	AC CORD SET	240VE KP-610 GTTBS-3 KS-31A	1
△	23495124	AC CORD SET	240VA SC-144-JO1 ES303-10HMA	1
	03788701	CD-ROM	RD USB DRIVER VER.1.0	1
#	72789334	OWNER'S MANUAL	JAPANESE	1
#	72896567	OWNER'S MANUAL	ENGLISH	1
	40232334	WARRANTY CARD	MOCHIKOMI JAPAN ONLY	1
	SK000133	FINISHED GOODS(#0596319)	FOR SERVICE	1

CHECKING THE VERSION NUMBER

1. Turn on the power to the RD-700SX.
2. After the unit starts up, press [CURSOR →] + [ZONE SELECT LOWER] + [EDIT].

This puts the RD-700SX in Test mode.

Upon entering Test mode, the following screen appears.



DISPLAY	MEANING
Product Name:	CD00C
PRG Version No:	Program version number
PRG Build No:	Program build number
Booter Version:	Booter Version number

Turn the power off and then on again to return to normal operating mode.

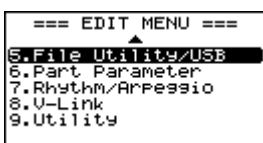
USERS DATA SAVE AND LOAD

Transferring the RD-700SX's Settings to an External MIDI Device (Bulk Dump)

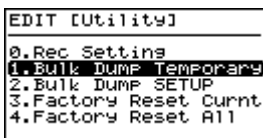
You can transfer the contents of Setups and the RD-700SX's system settings to an external MIDI device. This operation is called "bulk dump."

Use this procedure to save the data to an external MIDI device in situations such as when you want to perform by connecting another RD-700SX with the same settings, or to prevent your Setups and system settings from corruption.

1. Use a MIDI cable (optional) to connect the RD-700SX's MIDI OUT connector to the MIDI IN connector on an external sequencer.
2. Press [EDIT], getting its indicator to light. The Edit Menu screen appears.



3. Press CURSOR [▼] and select the [9.Utility].
4. Press [ENTER] to display the Edit screen.



5. Press CURSOR [▲]/[▼] to select the [1. Bulk Dump Temporary] or [2. Bulk Dump SETUP]

Parameter	Value
Bulk Dump Temporary	The contents of the currently selected Setup are transmitted.
Bulk Dump SETUP	The contents of Setups in the specified range are transmitted.

Bulk Dump Temporary

6. Press [ENTER].
A screen like the one shown below appears.



7. Put the external sequencer in record mode.
8. Press [ENTER] to transmit the settings.
To cancel the Bulk Dump, press [DEC].
The message "Now, Executing..." appears in the display during transmission of the data.
9. After the transmitting is finished, the display will indicate "COMPLETE!"
You are returned to the Edit screen.
10. Stop the external sequencer.

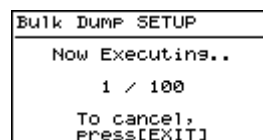
Bulk Dump SETUP

6. Press [ENTER].
A screen like the one shown below appears.



Parameter	Value
From	Setup number for the first Setup to be transmitted.
To	Setup number for the last Setup to be transmitted.
Send System	Determines whether the system settings are to be transmitted (YES), or not (NO).

7. Press CURSOR [▲] / [▼] and [INC]/[DEC] to set the transmitted Setups
8. Put the external sequencer in record mode.
9. Press [ENTER] to transmit the settings.
To cancel the Bulk Dump, press [DEC].
A screen like the one shown below appears.



10. After the transmitting is finished, the display will indicate "COMPLETE!"
You are returned to the Edit screen.
11. Stop the external sequencer.

Restoring saved settings to the RD-700SX

When returning settings saved to an external sequencer back to the RD-700SX, an Exclusive message is transmitted from the external sequencer, then the data is received by the RD-700SX.

NOTE

Be aware that when you restore Setups data to the RD-700SX, the data in the RD-700SX will be overwritten and lost.

1. Use a MIDI cable to connect the MIDI OUT connector of the external sequencer to the MIDI IN connector of the RD-700SX.
2. Set the device ID number to the same setting as when you performed the bulk dump.

MEMO

Setting the Device ID Number "Setting the Device ID Number (Device ID)" .

3. Make sure that [EDIT] indicator is extinguished.
If the [EDIT] indicator is lit, press [EDIT] to turn the indicator light off and put the RD-700SX in normal performance mode.
4. Transmit (play back) the data from the external sequencer.

NOTE

After playback of the Bulk Dump SETUP data, the RD-700SX writes the data to the internal memory. Be sure never to turn off the power while this data is being written (while "Now, writing Bulk Dump Data. Keep on POWER!" is showing).

MEMO

For details on transmitting exclusive data, refer to the owner's manual for your sequencer.

NOTE

Play back the external sequencer at the same tempo you used when performing the bulk dump. If you use a faster tempo, the data may not be restored correctly.

NOTE

Data cannot be received if the Device ID of the receiving device differs from the Device ID used when Bulk Dump was carried out.

FACTORY RESET INSTRUCTIONS

The settings stored in the RD-700SX can be returned to their factory settings.

NOTE

Executing "Factory Reset All" results in deletion of the Setups. If you want to keep the recorded content, save the Setup file to your computer or use "Bulk Dump (Bulk Dump SETUP)" to save it to an external sequencer.

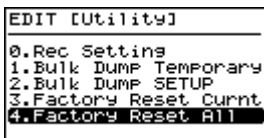
NOTE

When making USB connections, be absolutely sure to disconnect the USB cable before starting.

1. Press [EDIT], getting the indicator to light.
The Edit Menu screen appears.



2. Press CURSOR [▼] to select "9.Utility."
3. Press [ENTER] to display the Edit screen.



4. Press CURSOR [→] to display the Edit screen.

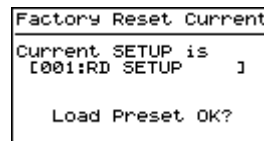
Parameter	Value
Factory Reset Curnt	The currently selected Setup returned to their factory settings.
Factory Reset All	The settings stored in the RD-700SX can be returned to their factory settings.

NOTE

While the Factory Reset is in progress, no sounds are produced even when the keys are pressed. In addition, Rhythms and arpeggios being played are also stopped.

Factory Reset Current

5. Press [ENTER].
A screen like the one shown below appears.



NOTE

Selecting "000" as the Setup initializes the ONETOUCH [PIANO] and [E.PIANO] settings.

6. Press [ENTER].
The confirmation message appears.
To cancel the Factory Reset, press [EXIT].
7. Press [ENTER] once again to start the Factory Reset operation.

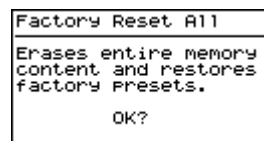
NOTE

Never turn off the power during Factory Reset (while "Executing... Don't Power Off" appears in the display).

8. After the Factory Reset operation is finished, the Utility screen returns to the display.

Factory Reset All

5. Press [ENTER].
A screen like the one shown below appears.



6. Press [ENTER].
The confirmation message appears.
To cancel the Factory Reset, press [EXIT].
7. Press [ENTER] once again to start the Factory Reset operation.

NOTE

Never turn off the power during Factory Reset (while "Executing... Don't Power Off" appears in the display).

8. After the Factory Reset operation is finished, The Utility screen returns to the display.

SYSTEM SOFTWARE UPDATING INSTRUCTIONS

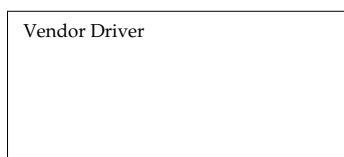
Required Equipment

- RD-700SX UPDATE DISK (#17041561)
- USB cable
- PC equipped with CD-ROM drive (OS: Windows XP/2000 or later) with "RD USB DRIVER" and simple SMF player "UpdSMFJ.exe" installed

Procedure

- Hold down the [EDIT] and [NUMLOCK] buttons and turn on the power to the RD-700SX.

The following screen appears in the LCD screen.



To cancel the update at this point, turn off the power to the RD.

- Power up the PC.
- After the PC has started up, connect the RD and the PC with a USB cable.
- Place the RD-700SX UPDATE DISK in the PC.
- Start up the "UpdSMFJ.exe" simple SMF player.
- Make the following settings for UpdSMF.

[MIDI OUT Device]

→ Select Roland RD.

[SMF Path]

→ Specify your computer's CD-ROM drive.

Click [Scan SMF].

→ Confirm that "rd700sx_v***.mid" is indicated in the listed column.
"***" refers to the updater version.

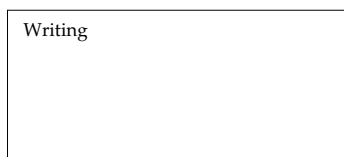
Example: rd700sx_v103.mid in the updater Ver. 1.03.

- After completing the above settings, click the UpdSMF [Send] button.
The RD's LCD starts to flash when transfer of the data begins.

NOTE

Do not turn off the power to the RD or disconnect the USB cable once data transfer has begun.

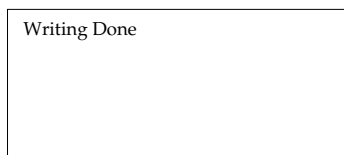
- Once the data transfer is completed, the RD loads the data to the Program ROM.
During loading to the Program ROM, the following screen appears in the LCD display, and all of the panel LEDs remain lit.



NOTE

Do not turn off the power to the RD while data is being loaded.
This may corrupt the ROM image, and in the worst case may make restoration of the main board impossible.

- Once loading to the ROM is completed, the following screen appears in the LCD display, and all of the panel LEDs flash.



After confirming that the above screen is displayed and the LEDs are flashing, disconnect the USB cable, then turn off the power to the RD.
This completes the update.

TEST MODE

Required Equipment

- SRX expansion boards (2)
- Monitor speakers
- Headphones
- Audio cable (w/standard phone plugs)
- Audio cable (w/Cannon (XLR) connectors)
- MIDI cable
- USB cable
- DP-8
- PC

Precautions to Note Before Testing

- Be sure to back up the user data before testing.
- Install the SRX expansion boards before turning on the power to the RD-700SX.
Installing the boards with the power on may corrupt the boards.
- Install the "RD USB Driver" and a software synthesizer (e.g., VMT) on the PC to be used for the USB connection check before beginning the test procedure.

Entering Test Mode

1. Turn on the power to the RD-700SX.
2. After the power is on, press [CURSOR →], [ZONE SELECT LOWER], and [EDIT].

Selecting Test Mode Categories

Specific tests can be selected from the categories listed below by pressing the [EDIT] button and the [TONE SELECT] button 0-9 corresponding to the desired test.

Tests can also be selected sequentially with [EDIT] and [CURSOR ←]/[CURSOR →].

SG Check	: [EDIT]+[0]
SW/LED Check1	: [EDIT]+[1]
SW/LED Check2	: [EDIT]+[2]
Bender/Pedal Check	: [EDIT]+[4]
Volume Check	: [EDIT]+[5]
LCD Check	: [EDIT]+[3]
MIDI Check	: [EDIT]+[6]
Sound Check	: [EDIT]+[7]
Device Check	: [EDIT]+[8]
Factory Reset	: [EDIT]+[9]

Test Category Details

0. Product Information

Upon entering Test mode, the following screen appears in the LCD display.



The product name and program version information as indicated in the display; confirm the version number for each category.

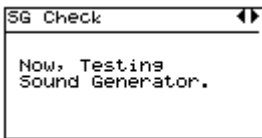
DISPLAY	MEANING
Product Name:	CD00C
PRG Version No:	Program version number
PRG Build No:	Program build number
Booter Version:	Booter Version number

NOTE

The PRG Build No: and Booter Version: are unrelated to Service. Press [CURSOR →] to advance to the next test.

1. SG Check

A check of the memory and sound module device is begun.



After the above screen is displayed, the procedure automatically advances to the next test.

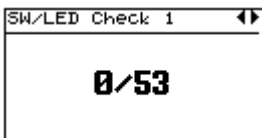
The results of the test are indicated in the "89. Device Check" screen.

NOTE

After this screen is displayed, a reverse task of the device check is performed. Approximately 2 minutes is required for the entire device check procedure.

2. SW/LED Check 1

An operational check of the switches with LEDs is performed.

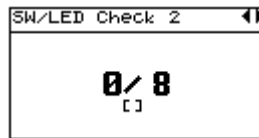


The switch to be tested is indicated by the flashing of the switch LED; press each switch as indicated by the respective switch's LED.
 [V-LINK]:RED → [SOUND CONTROL]:RED → [ON/OFF]:RED → [REVERB]:REDx3 → [CHORUS/DELAY]:REDx2 → [ON/OFF]:RED → [LOWER2]:GREEN → [LOWER1]:GREEN → [UPPER2]:RED → [UPPER1]:RED → [EXTERNAL/INTERNAL]:RED → [RHYTHM]:RED → [CONTROL/ZONE LEVEL]:RED → [ARPEGGIO]:RED → [SPLIT]:RED → [TRANPOSE]:RED → [EXIT]:RED → [F1]:RED → [F2]:RED → [ENTER]:RED → [SETUP]:ORANGE → [LOWER]:GREENx2 → [UPPER]:REDx2 → [A]:RED → [B]:RED → [EDIT]:RED → [WRITE]:RED → [NUMLOCK]:RED → [PIANO]:RED/GREEN → [E.PIANO]:RED/GREEN → [CLAV/MALLET]:RED/GREEN → [ORGAN]:RED/GREEN → [STRINGS]:RED/GREEN → [PAD]:RED/GREEN → [GUITAR/BASS]:RED/GREEN → [BRASS/WINDS]:RED/GREEN → [VOICE/SYNTH]:RED/GREEN → [RHY/GM2]:RED/GREEN

A total of 53 switches are checked.

If "53/53" appears in the display, the procedure automatically advances to the next test.

3. SW/LED Check 2



An operational check of the switches without LEDs is performed.

[CURSOR ↑] → [CURSOR ←] → [CURSOR →] → [CURSOR ↓] → [DEC] → [INC] → [ONE TOUCH PIANO] → [ONE TOUCH E.PIANO]

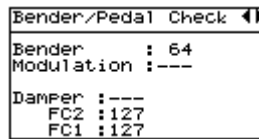
Test the switches in the following sequence (total of 8 switches).

[CURSOR ↑] → [CURSOR ←] → [CURSOR →] → [CURSOR ↓] → [DEC] → [INC] → [ONE TOUCH PIANO] → [ONE TOUCH E.PIANO]

If "8/8" appears in the display, the procedure automatically advances to the next test.

4. Bender/Pedal Check

A bender and pedal AD check is performed.



Bender	:0-64-127
Moduration	:0-127
Damper	:0-127
FC1	:0-127
FC2	:0-127

Adjust each controller and confirm the changes in the AD value.

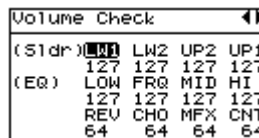
The value at the bender's center position is 64.

Controllers that change in a range of 0 to 127 have highlighted backgrounds.

After the check of all controllers is completed, the procedure automatically advances to the next test

5. Volume Check.

An AD check of the panel slider volume and rotary volume controls is performed.



Adjust each controller and confirm the changes in the AD value.

Slider volume : LOWER2/LOWER1/UPPER2/UPPER1

Rotary Volume : LOW/FREQ/LEVEL/HIGH/DEPTH x2/CONTROL/CONTRAST

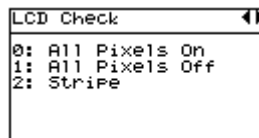
The LOW, LEVEL, AND HIGH volume controls have center clicks.

Confirm that the value is 64 at the center position.

After the check of all controllers is completed, the procedure automatically advances to the next test.

6. LCD Check

Confirm the LCD display status.



Upon entering this test, the [PIANO], [E.PIANO], and [CLV/MALLET] LEDs start to flash.

0: Press [PIANO]; all of the LCD pixels turn on (white display).

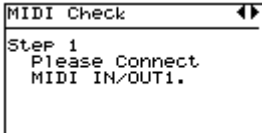
1: Press [E.PIANO]; all of the LCD pixels turn off (blue display).

2: Press [CLV/MALLET]; a pattern of vertical stripes is display in the lower half of the LCD.

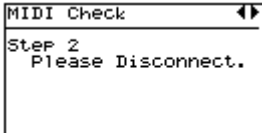
After all of the test patterns have been displayed, press [CURSOR \>] to advance to the next test.

7. MIDI Check

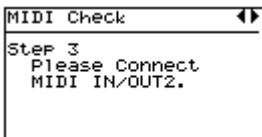
Confirm the functioning of the MIDI and USB connectors.



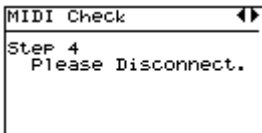
First, connect the RD's "MIDI IN" and "MIDI OUT1" connectors.



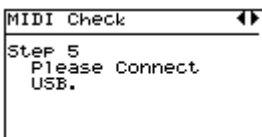
If the connection is confirmed as operating correctly, a prompt to disconnect the MIDI cable appears in the screen; disconnect the cable from MIDI OUT 1.



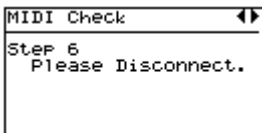
A prompt to connect the cable to MIDI OUT2 appears in the screen; connect the cable to MIDI OUT 2.



If the connection is confirmed as operating correctly, a prompt to disconnect the MIDI cable appears in the screen; disconnect the MIDI cable.



A prompt to connect the USB cable appears in the screen; connect the RD to the PC.



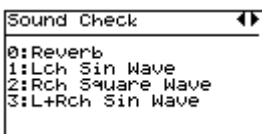
If the USB connection is successful, a prompt to disconnect the USB cable appears in the screen.

As USB MIDI data is being transferred from the RD at this time, proper transfer of the data can be confirmed by playing it through the PC's internal sound generator.

After connecting the USB cable, start up the PC's software synthesizer (e.g., VMT) and play back the music through the PC's speakers to confirm there is no problem.

8. Sound Check

A check of the sound module, effects, and audio waveforms is performed.



Upon entering the test, the [PIANO:0], [E.PIANO:1], [CLAV/MALLETT:2], and [ORGAN:3] LEDs begin to flash.

As each switch is pressed, it is indicated in the display and a test sound is played.

When the test is completed, all of the LEDs go off.

0:Reverb

Confirm that a piano sound with reverb is played.

1: Lch Sin wave

Confirm that the audio output consists of a sine wave output only from the left channel.

2: Rch Square Wave

Confirm that the audio output consists of a square wave output only from the right channel.

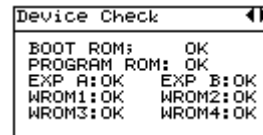
3:L+Rch Sin Wave

Confirm that the audio output consists of a sine wave output from both the left and right channels.

After all test patterns have been displayed, press [→] to advance to the next test.

9. Device Check

The results of the check for the devices started up in Test 1 are displayed.



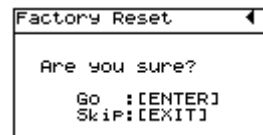
If any error is detected, an "NG" ("No Good" i.e., failure) mark is indicated for the corresponding device.

Only if all tests are passed, the [→] switch may be pressed to advance to the next test.

If "NG" is indicated for any device, force the procedure to the next category by pressing [EDIT] + [←]/[→].

10. Factory Reset

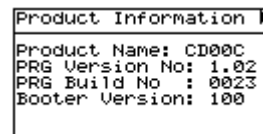
This procedure resets the RD in its initialized format.



The [ENTER] and [EXIT] switch LEDs flash; to execute the initialization, press the [ENTER] switch; to cancel, press the [EXIT] switch.

Once initialization begins, the above screen continues to be displayed, and the [ENTER] and [EXIT] switch LEDs go off. The above screen remains in the display; do not turn off the power to the RD while this operation is still in progress.

Once the initialization is completed, the screen shown at the start of Test mode returns to the display.



Confirm that the initial Test mode screen is displayed, then turn off the power to the RD.

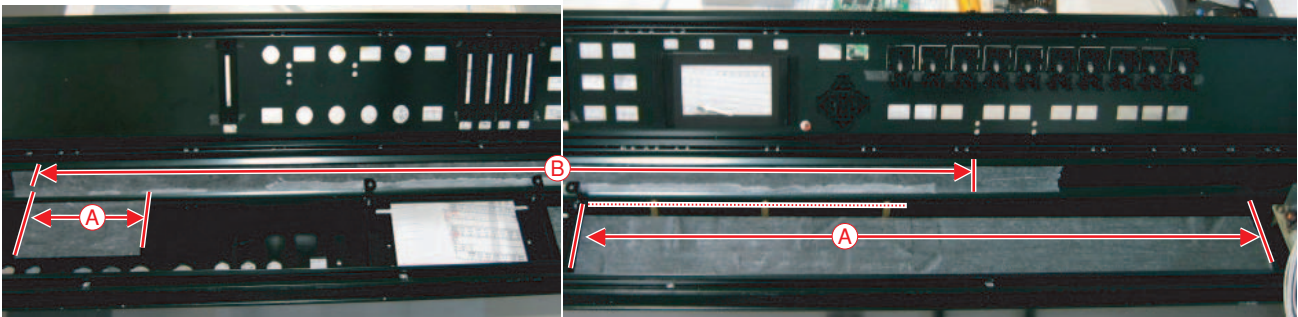
Instructions for Arranging the Cables

1. Apply 20-mm and 50-mm width double-sided tape.

→ 20-mm width: Attach beyond the range indicated by arrow B in the figure below (left end: further to the left of the center point between OUTPUT L, R; right end: further to the right of the 7th key top hole)

→ 50-mm width (in two places): Attach beyond the range indicated by arrow A in the figure below

- Left end: from the OUTPUT L jack to the MIDIJACK connector (aligned with the top edge meeting the edge of the panel riser surface) → Do not peel off the tape backing!!
- Right end: from LCD holder to SW power section (aligned with the top edge meeting the stud nuts) → Do not peel off the tape backing!!



40122923 DOUBLE FACED ADHESHIVE TAPE NITTO NO.501F W20MM 20M

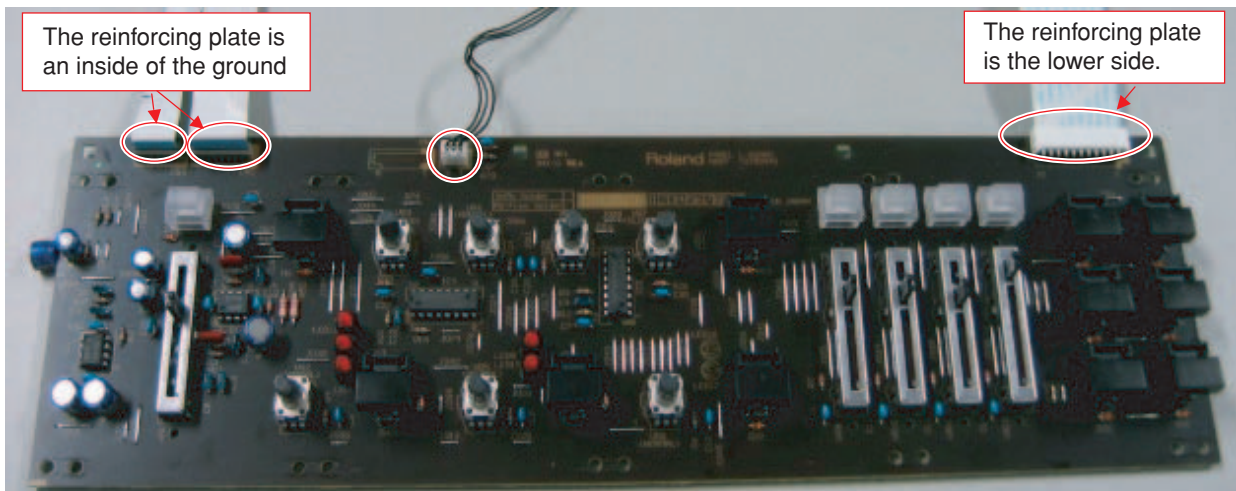
40344589 DOUBLE-FACED TAPE #501F W50MM 20M

2. Assembling the PANEL L BOARD

Connect the cables to the following connectors.

Take care to ensure components are connected in the proper orientation.

- 22P to CN1
- 16P to CN2
- 12P to CN3
- 3P to CN6

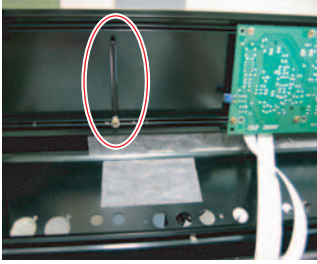


3. Attaching the PANEL L BOARD

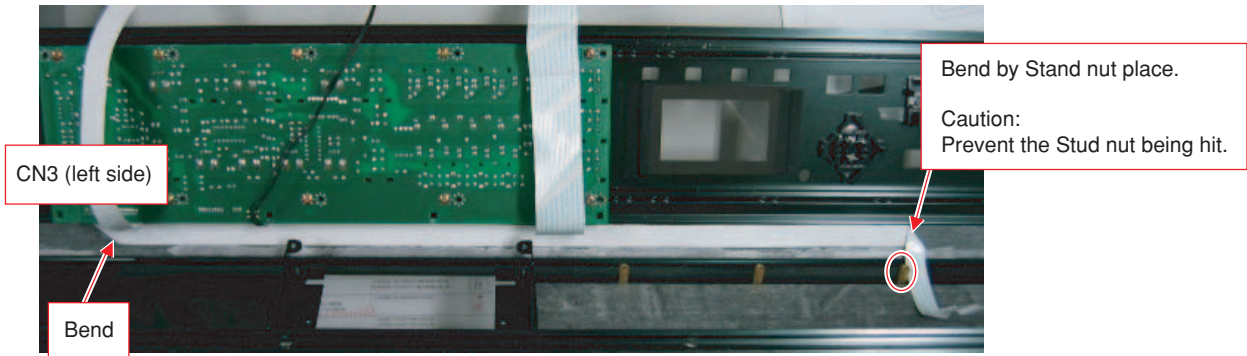
Fasten screws in the 10 locations shown in the figure below.



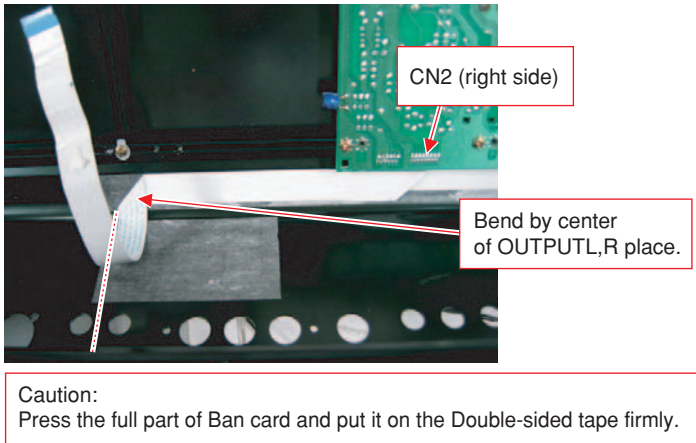
- 4. Attaching the Coated Clips to the Top Panel
Attaching the coated clips as shown in the figure below.



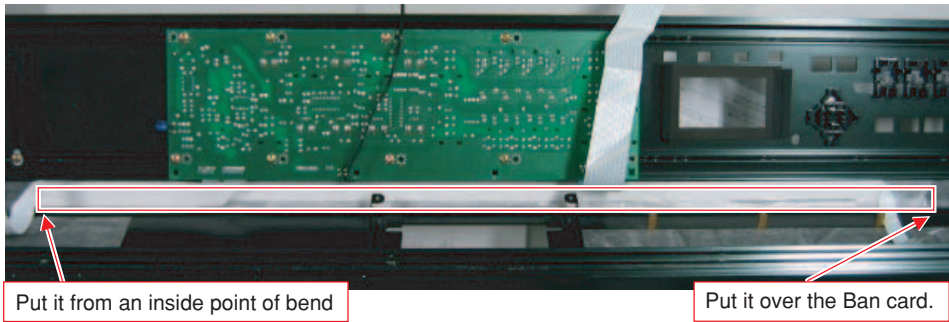
- 5. Arranging the Wiring
Peel off the backing from the 20-mm double-sided tape and arrange the cabling.



Note: Remove the backing from the 50-mm double-sided tape only where it is to be affixed; do not remove the entire backing.



- 6. Apply the 20-mm double-sided tape (apply above the Banguard).



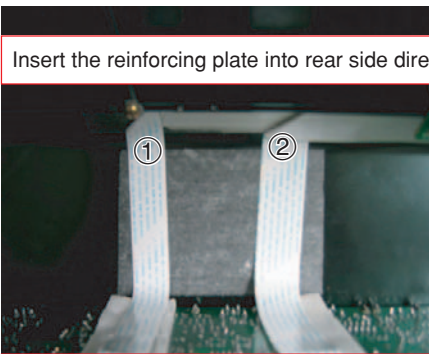
40122923 DOUBLE FACED ADHESHIVE TAPE NITTO NO.501F W20MM 20M

- 7. Affix two layers of double-sided tape (cushioned) to the JACK BOARD surface.
As shown in the figure below, attach the tape to the back surface of CN101 and CN103 (peel the backing off the tape after attachment to the board).



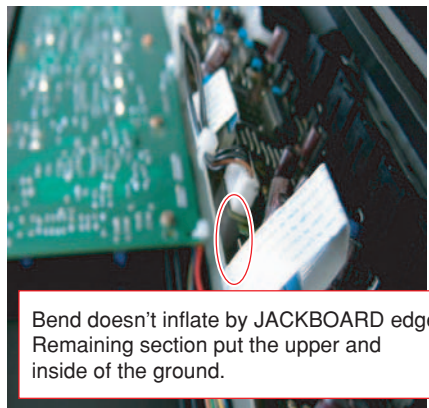
40122556 DOUBLE FACED ADHESHIVE TAPE #575X W30MM 30M 10P 30CM

- 8. After attaching the JACK BOARD to the TOP PANEL, connect the cables to the JACK BOARD and arrange.
 1. Peel the packing from the double-sided tape on the JACK BOARD back surface
 2. Connect the 16P cable to CN103.
 3. Connect the 20P cable to CN101.



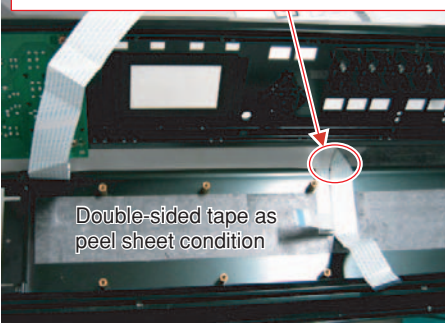
Insert the reinforcing plate into rear side direction.

Put it on the tape of rear side of JACKBOARD and arrange. (Do not over from the tape.)
Bend



Bend doesn't inflate by JACKBOARD edge. Remaining section put the upper and inside of the ground.

BAN CARD from JACK BOARD CN101
Bend by jump over the place in which the Ban card was below.
Caution: Prevent the Ban card being hit mutually.



Double-sided tape as peel sheet condition

Caution:
Press all the Ban card and put on the Double-sided tape firmly.

9. Assembling the PANEL R BOARD

Connect the cables to the following connectors.

- 24P to CN5
- 22P to CN7 <- PANEL L CN1
- 3P to CN6 <- PANEL L CN6



10. Attaching the PANEL R BOARD

Fasten screws in the 12 locations shown in the figure below.

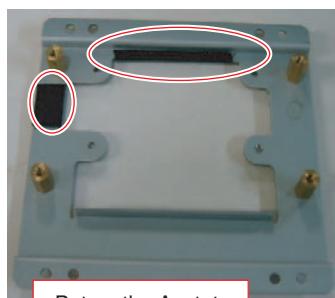


11. Wrap the LCD cabling in 40-mm acetate tape.

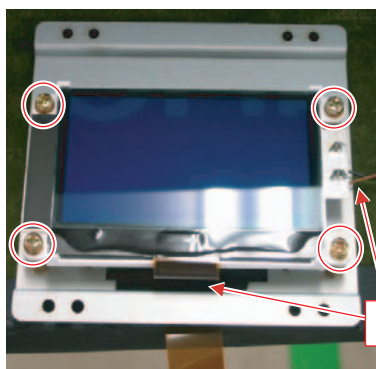


12. Attaching the LCD to the LCD Holder

* Affix acetate tape to rough portions of the holder.



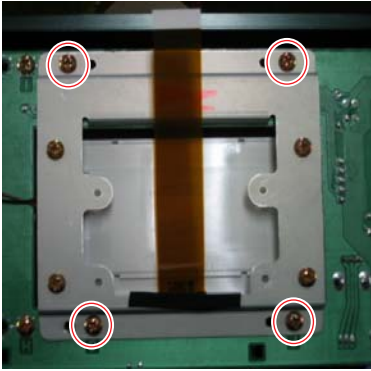
Put on the Acetate.
Caution: Turn.



The Warring of LCD put under.

13. Attaching the LCD Holder to the Top Panel

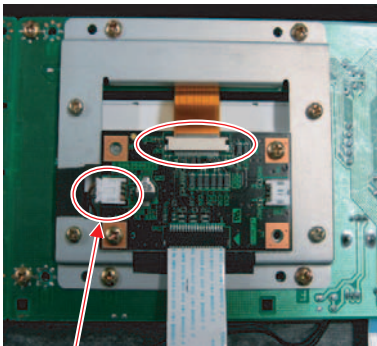
Fasten screws in the 4 locations shown in the figure below.



14. Connecting the Wiring to the LCD Holder

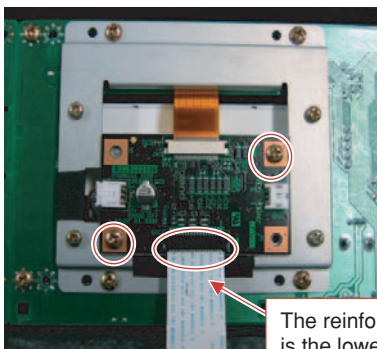
Connect the cables to the following connectors.

- 3P to CN5
- CN7



Caution:
Remaining the Warring put under the LCD board.

15. Connect the Banguard to the LCD holder and install the LCD holder.



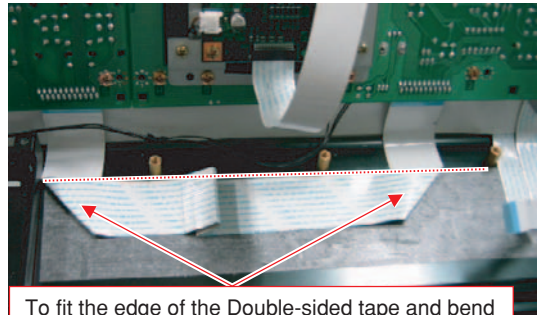
The reinforcing plate is the lower side

16. Arranging the Cables

Arrange the cables as shown in the figure below.

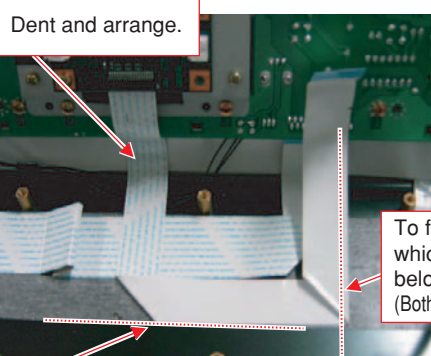
Remove the backing from the double-sided tape.
L Panel, R Panel Banguard

Caution:
Press all the Ban card and put on the Double-sided tape firmly.



To fit the edge of the Double-sided tape and bend
Caution: Prevent the Stud nut being hit.

LCD Banguard

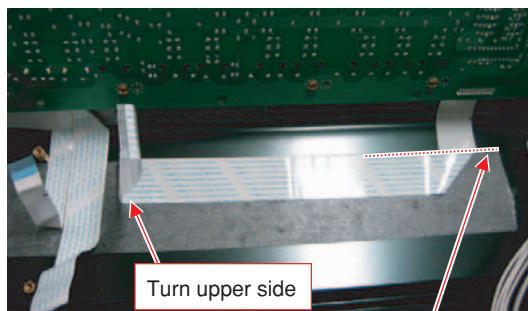


Dent and arrange.

To fit the right edge in which the Ban card was below to bent 90 °.
(Both sides are not reversed.)

To fit the edge of the Double-sided tape and bend
Caution: Prevent the Ban card being hit mutually.

R Panel Banguard

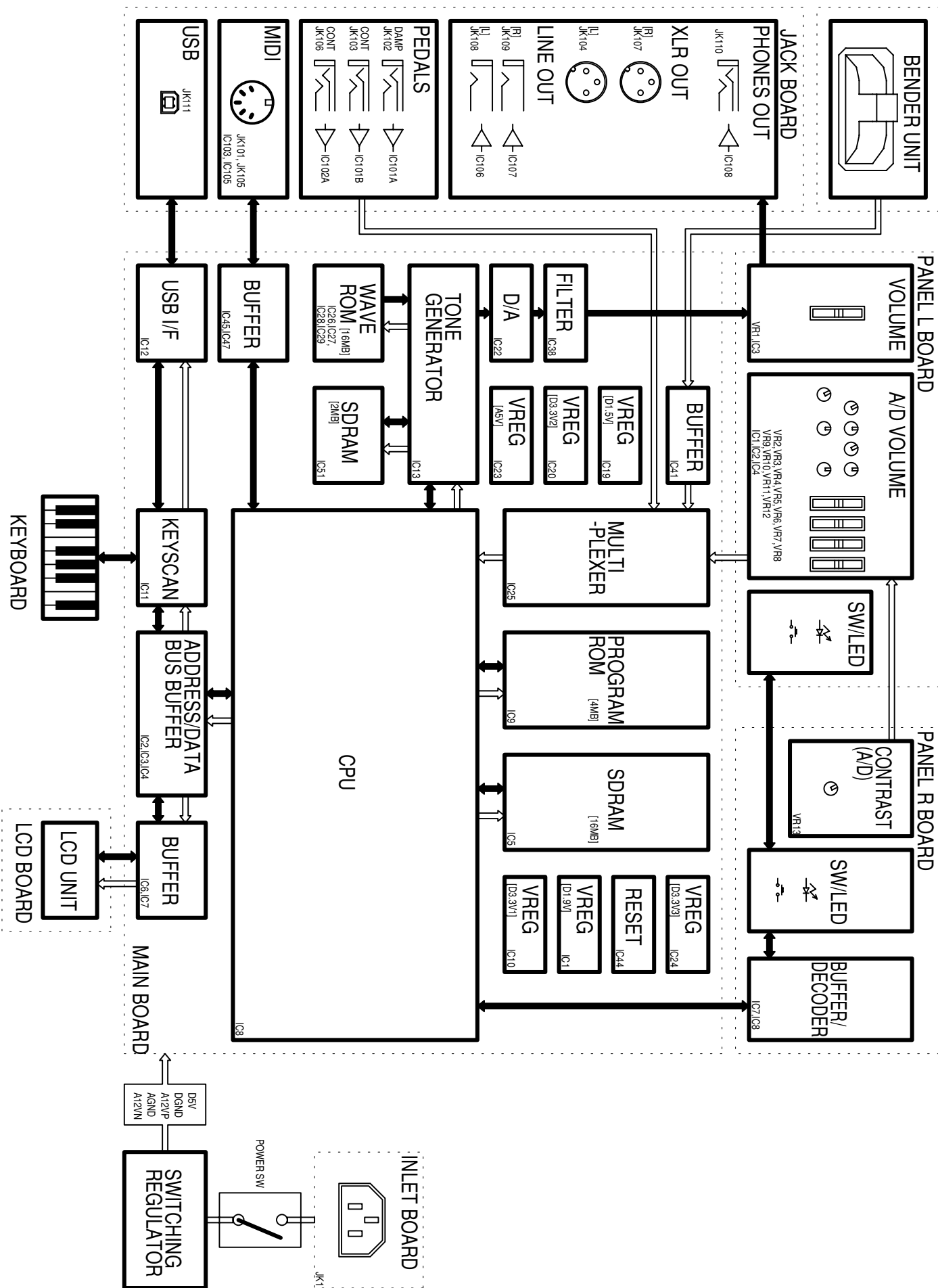


Turn upper side

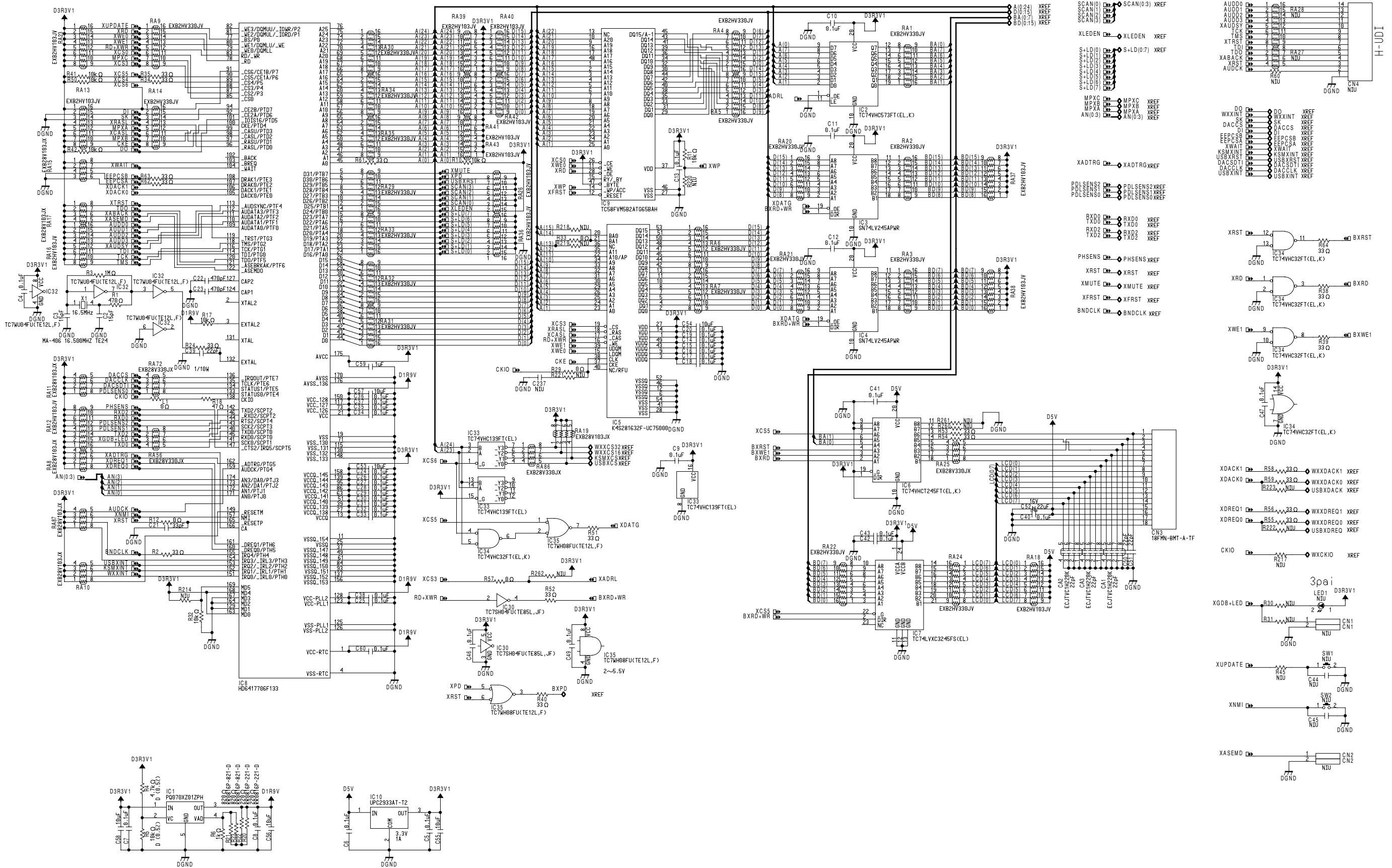
To fit the edge of the Double-sided tape and bend

This completes the arrangement of the cables.

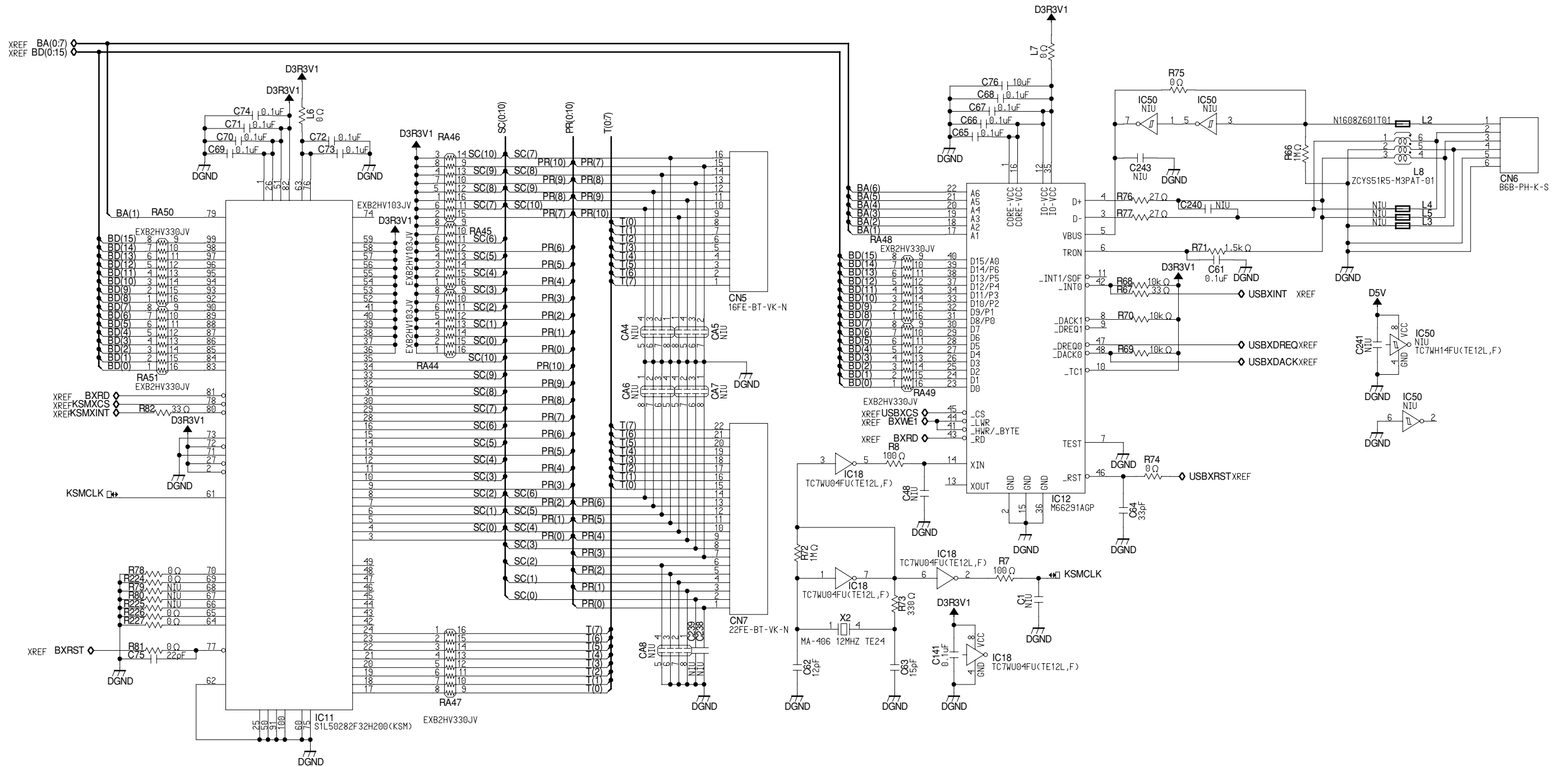
BLOCK DIAGRAM



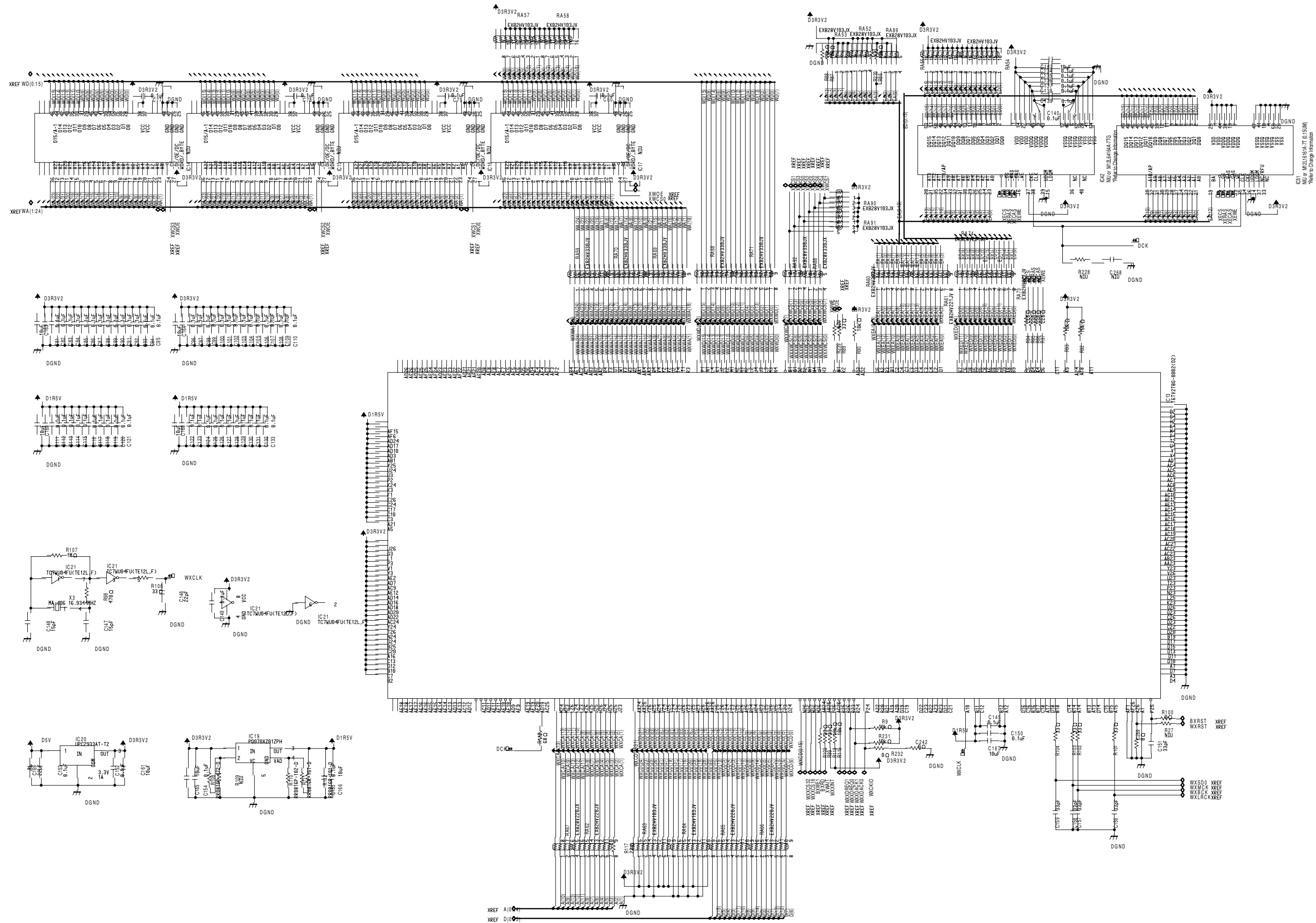
CIRCUIT DIAGRAM(MAIN BOARD 1/6)



CIRCUIT DIAGRAM(MAIN BOARD 2/6)

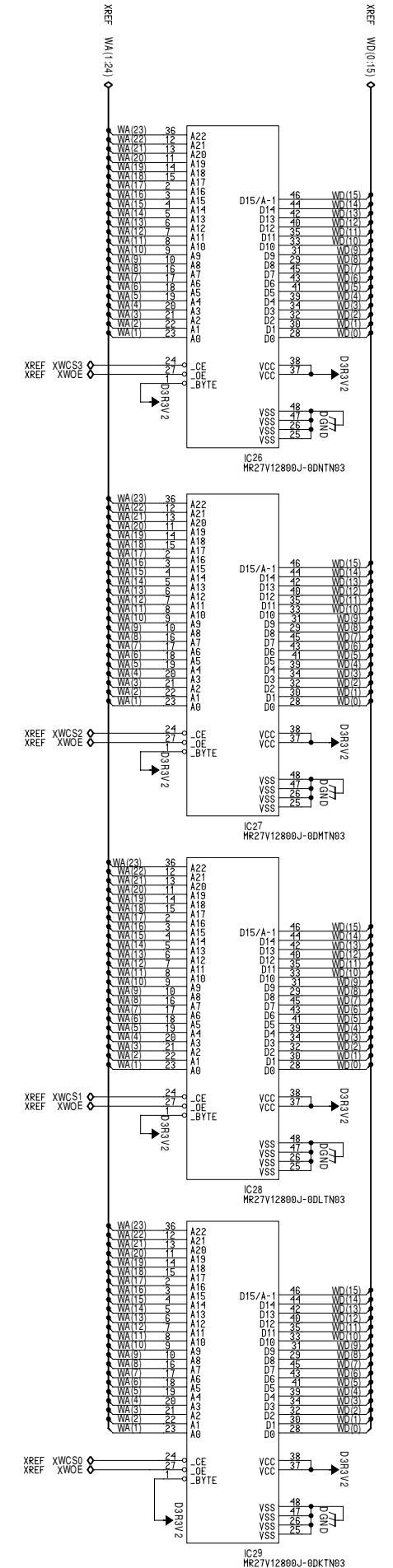
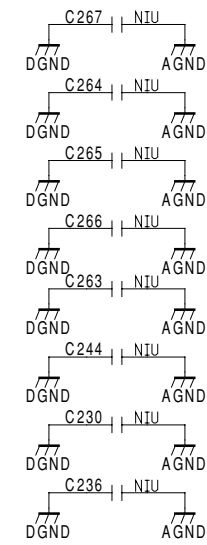
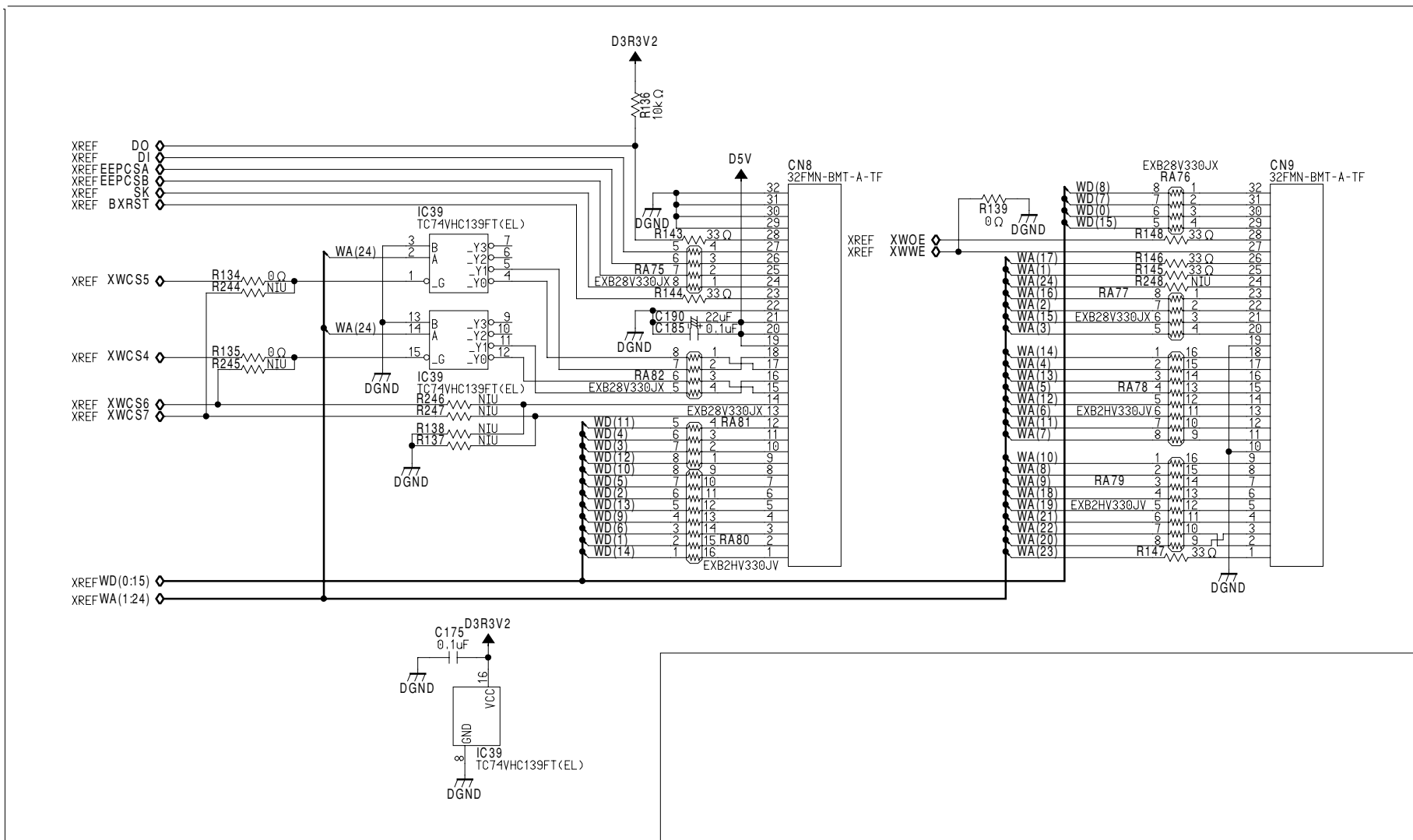
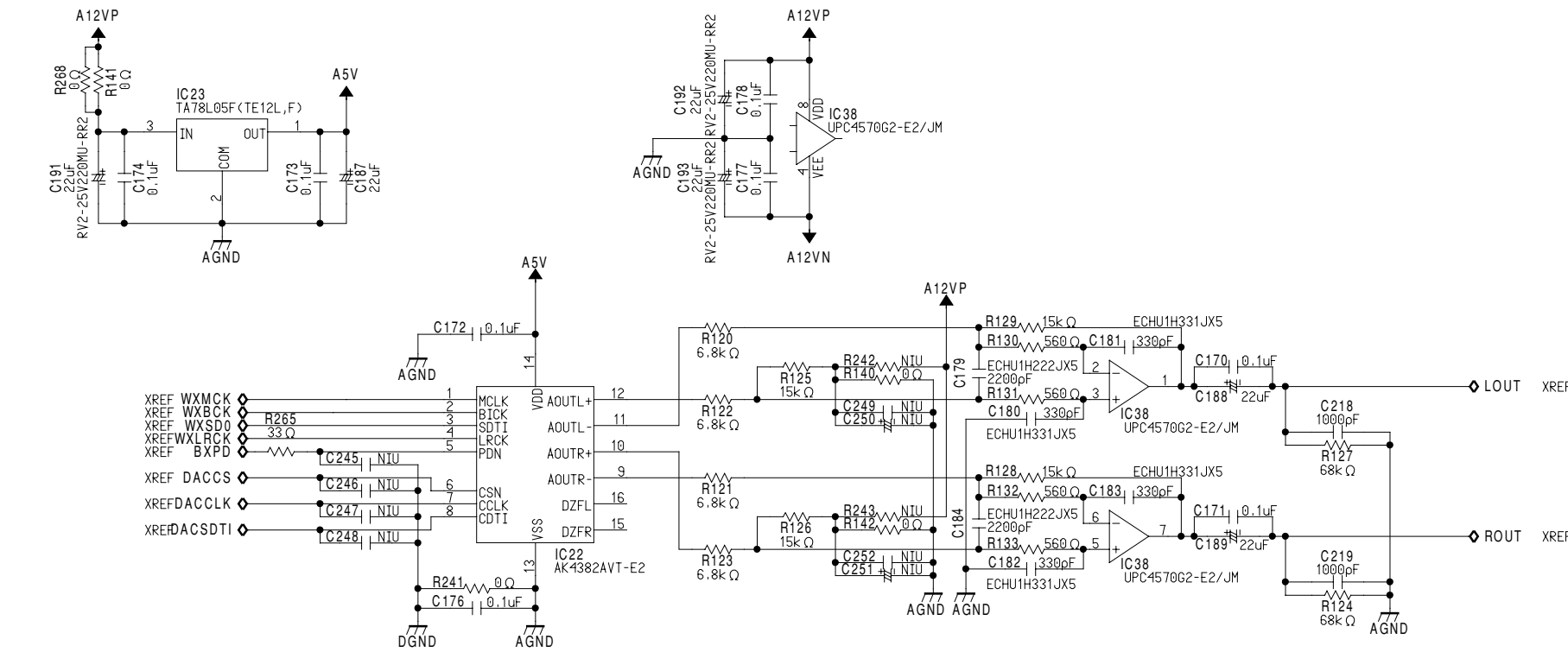


CIRCUIT DIAGRAM(MAIN BOARD 3/6)

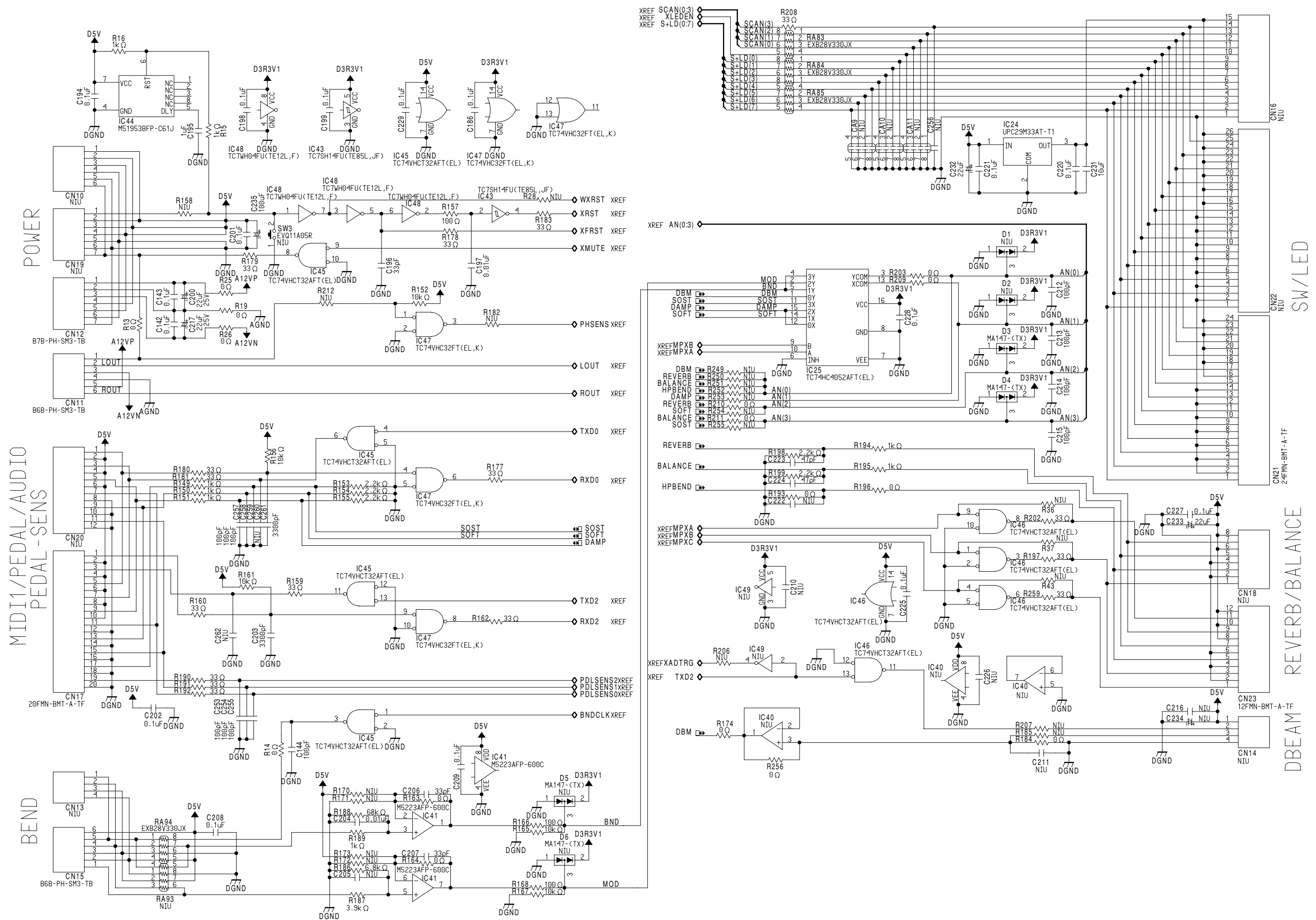


CIRCUIT DIAGRAM(MAIN BOARD 4/6)

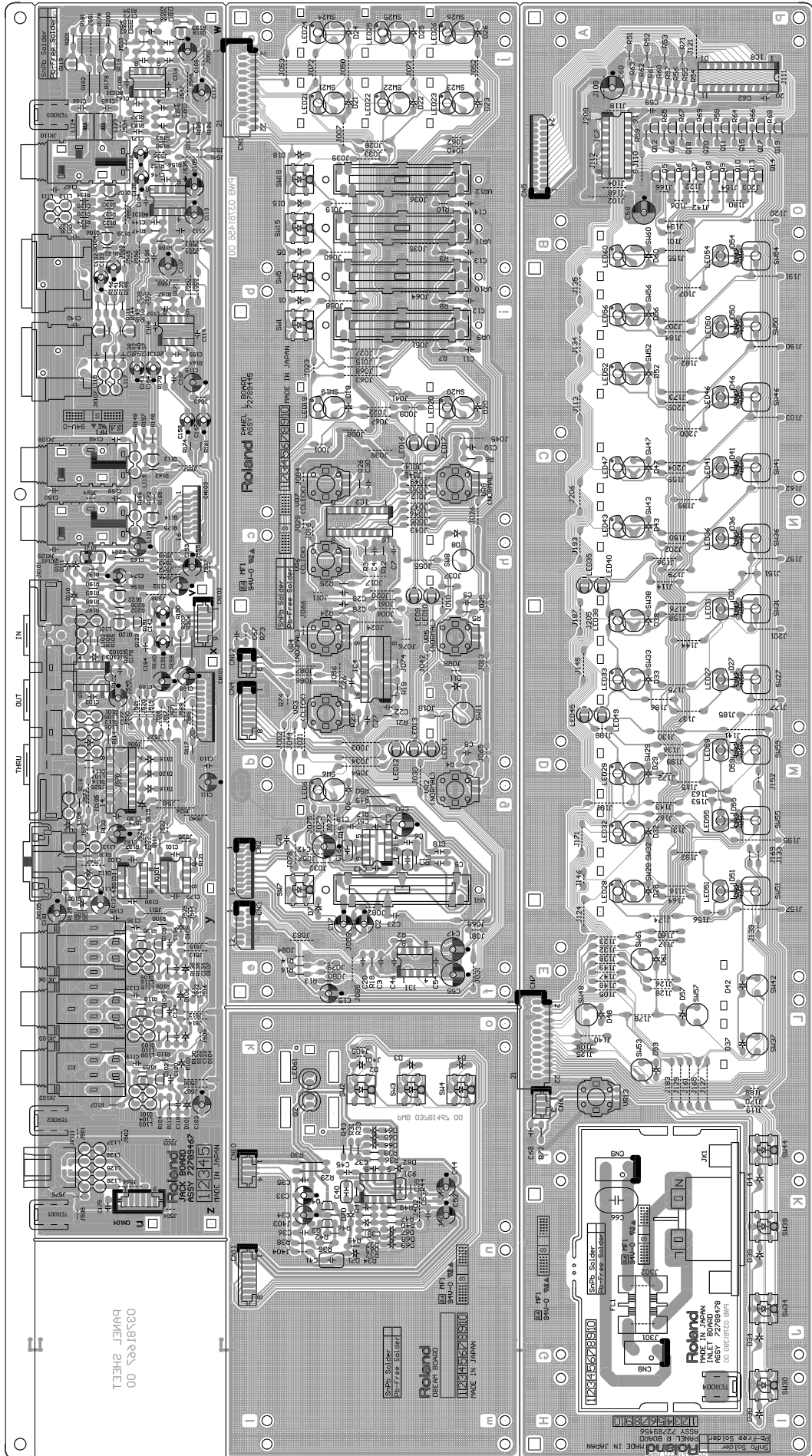
CIRCUIT DIAGRAM (MAIN BOARD 6/6)



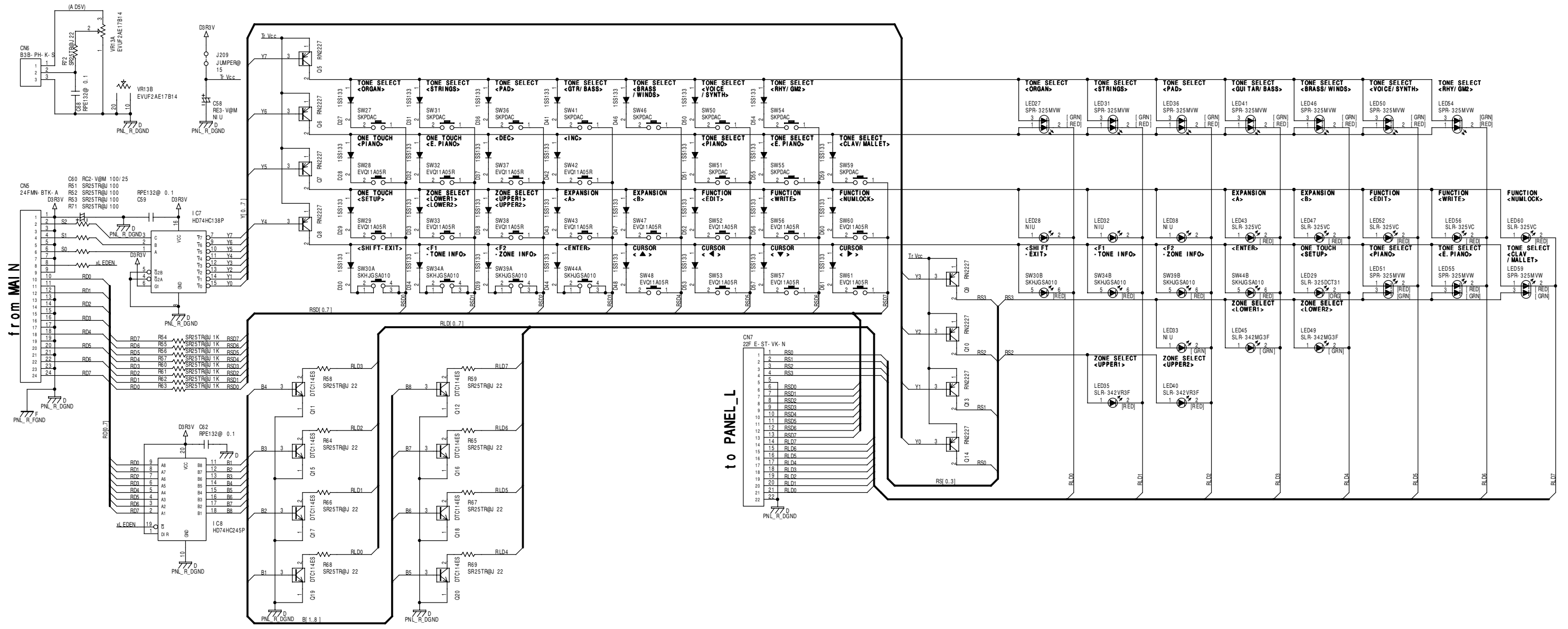
CIRCUIT DIAGRAM(MAIN BOARD 5/6)



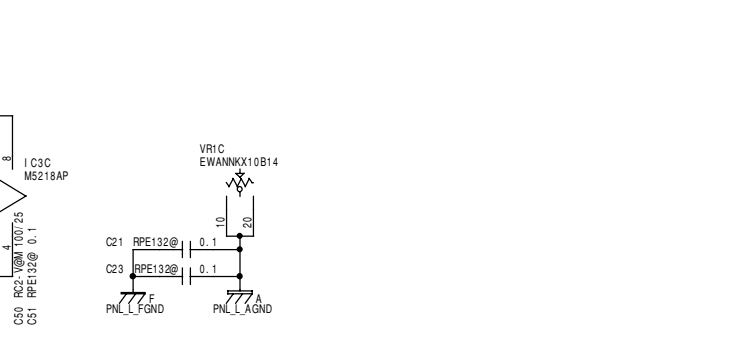
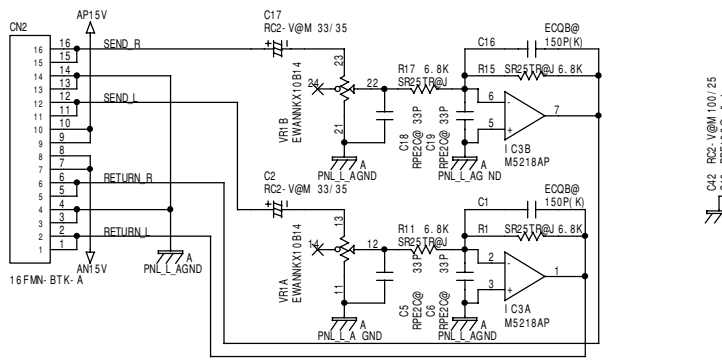
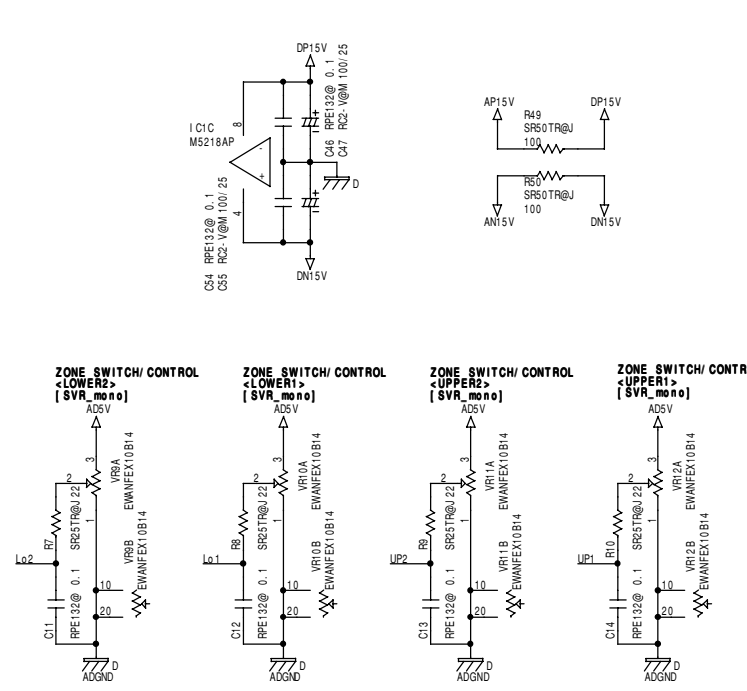
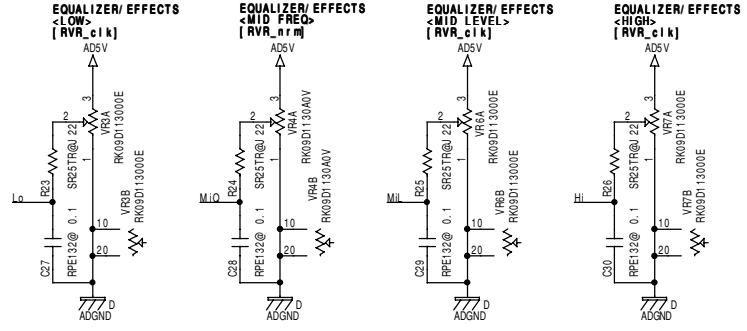
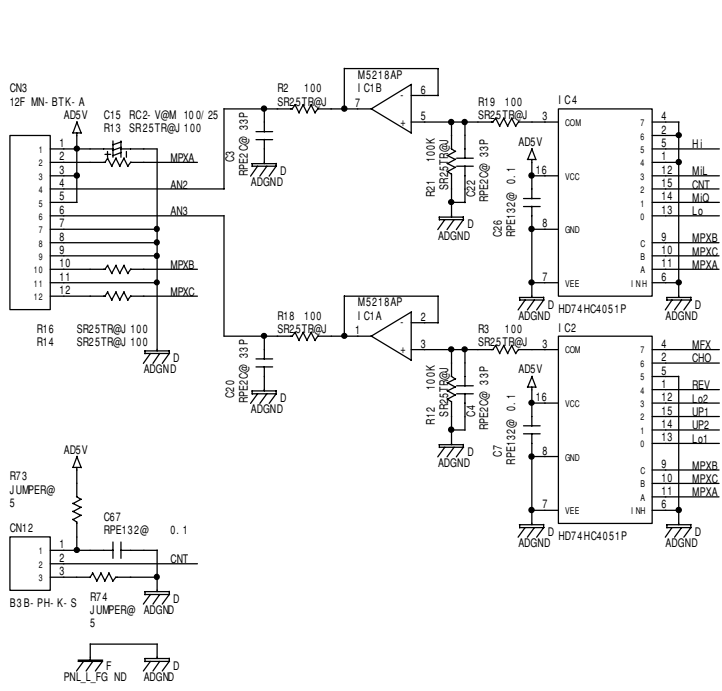
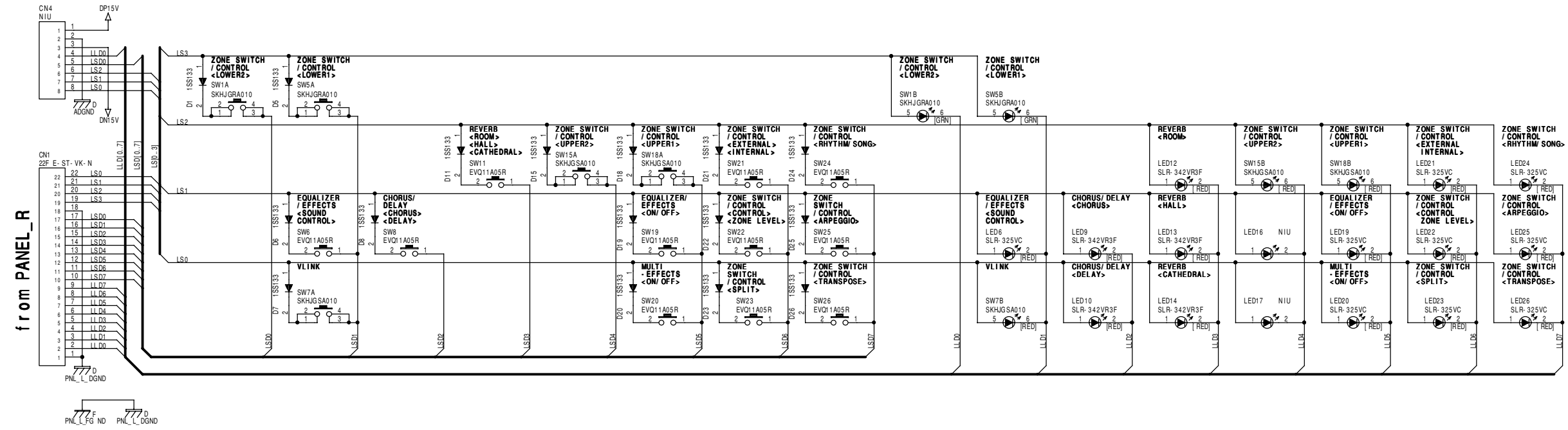
CIRCUIT BOARD(PANEL R/PANEL L/JACK/INLET BOARD)



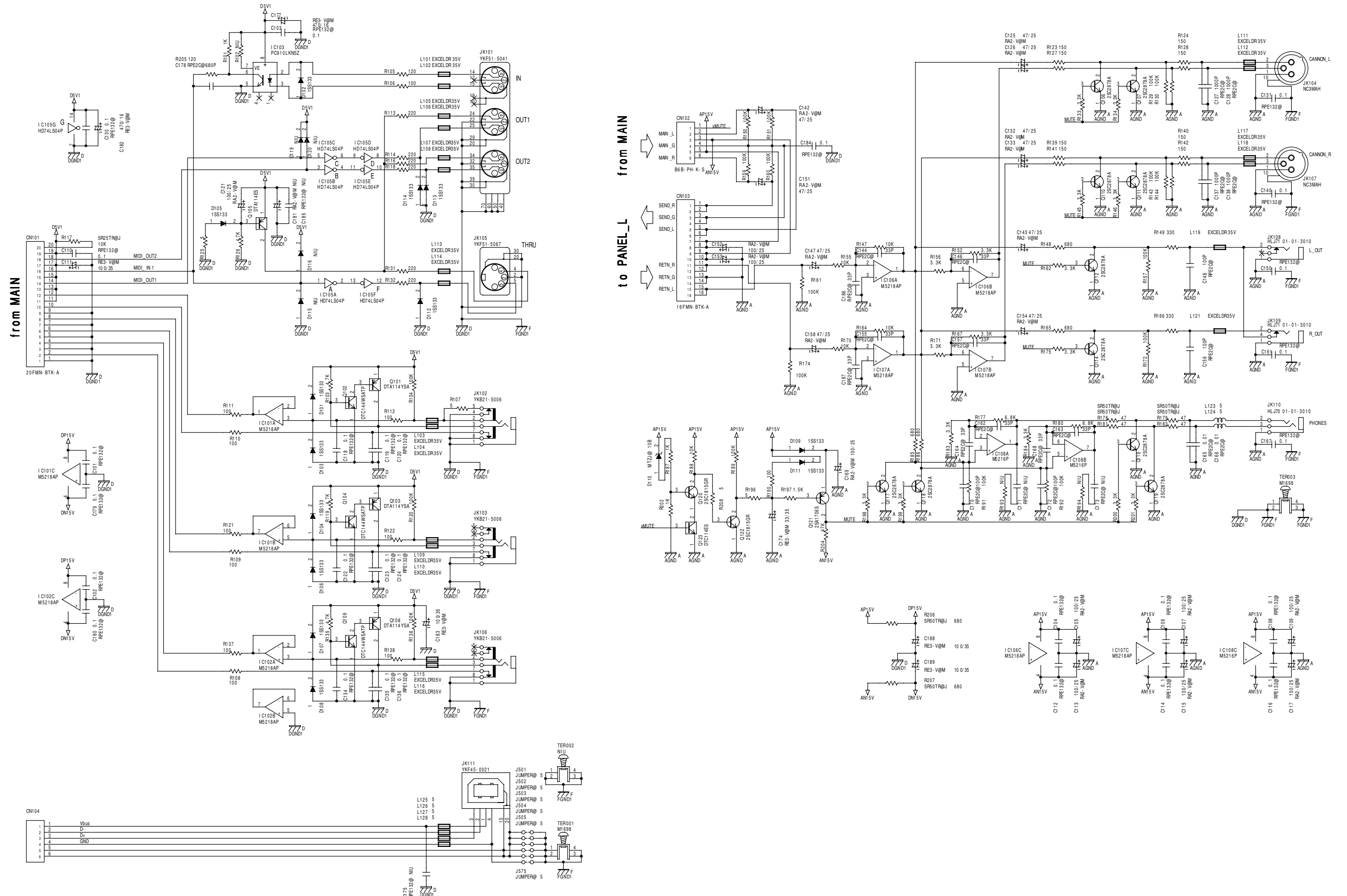
CIRCUIT DIAGRAM(PANEL R BOARD)



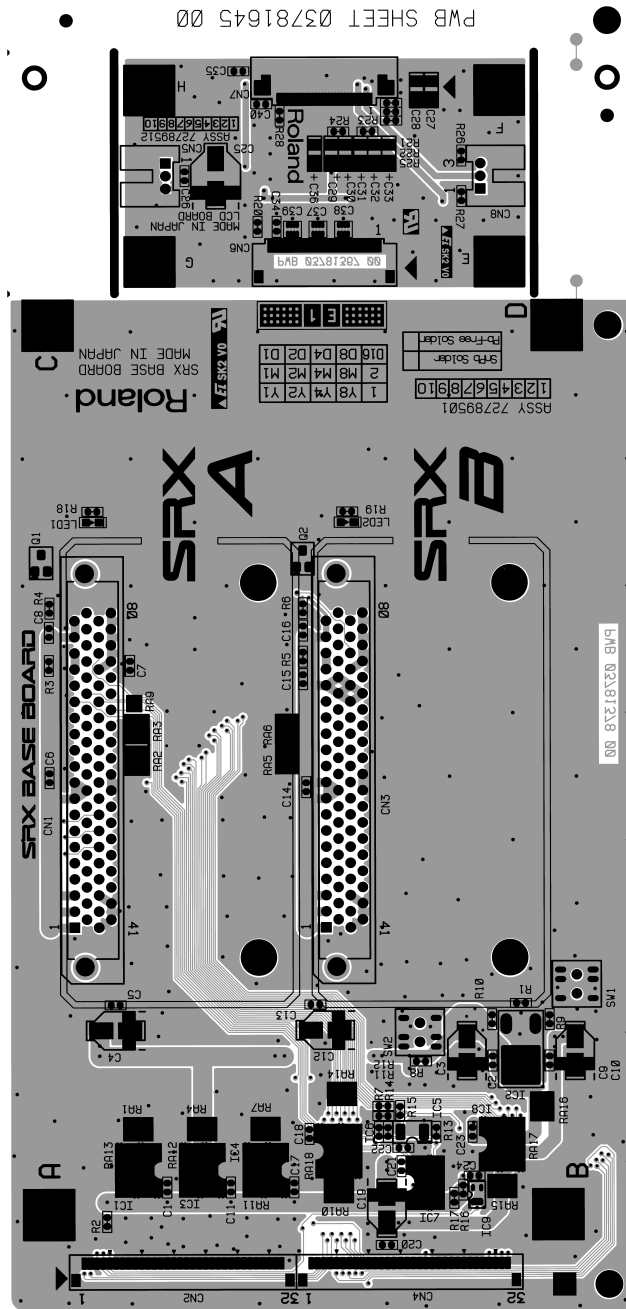
CIRCUIT DIAGRAM(PANEL L BOARD)



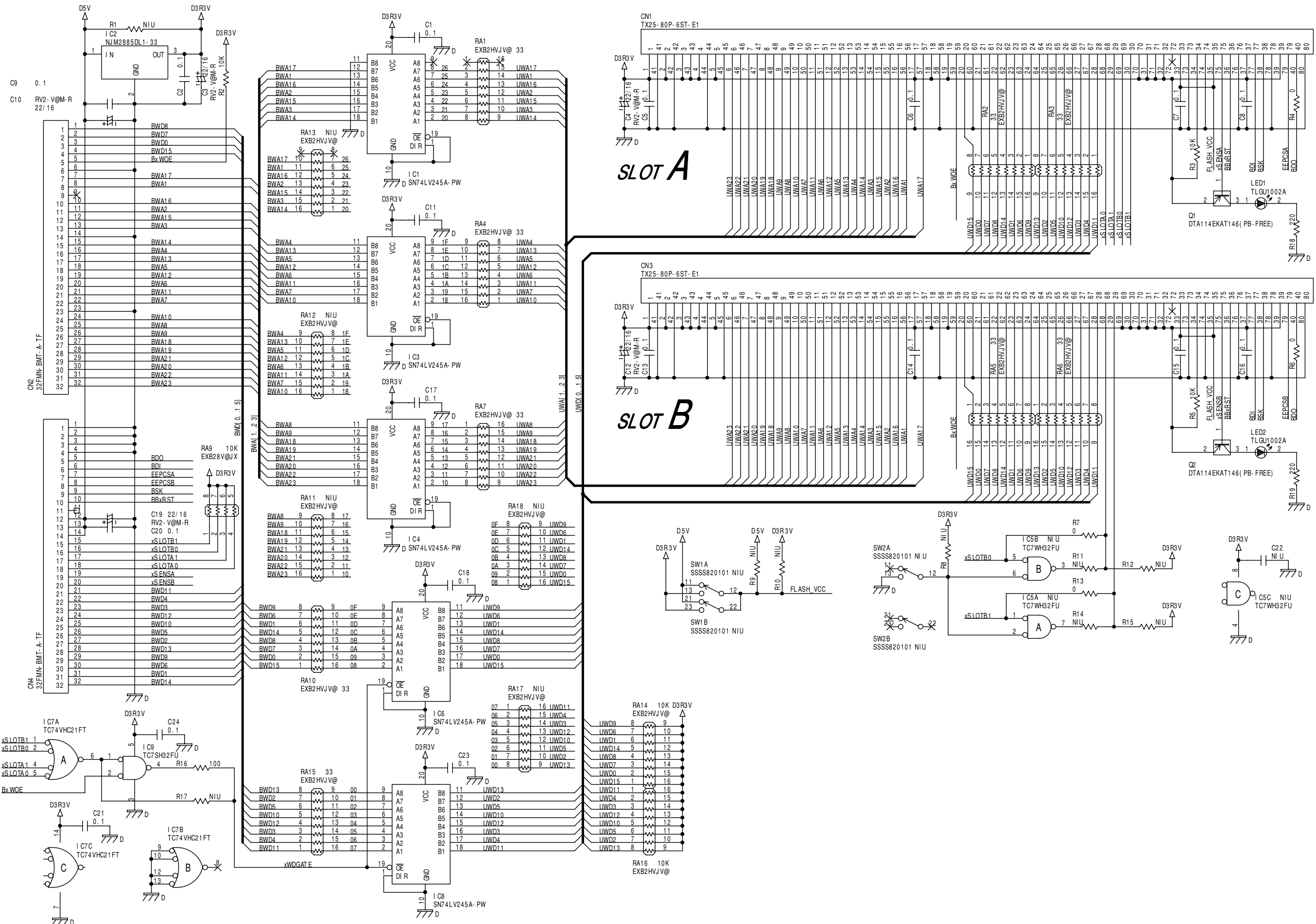
CIRCUIT DIAGRAM(JACK BOARD)



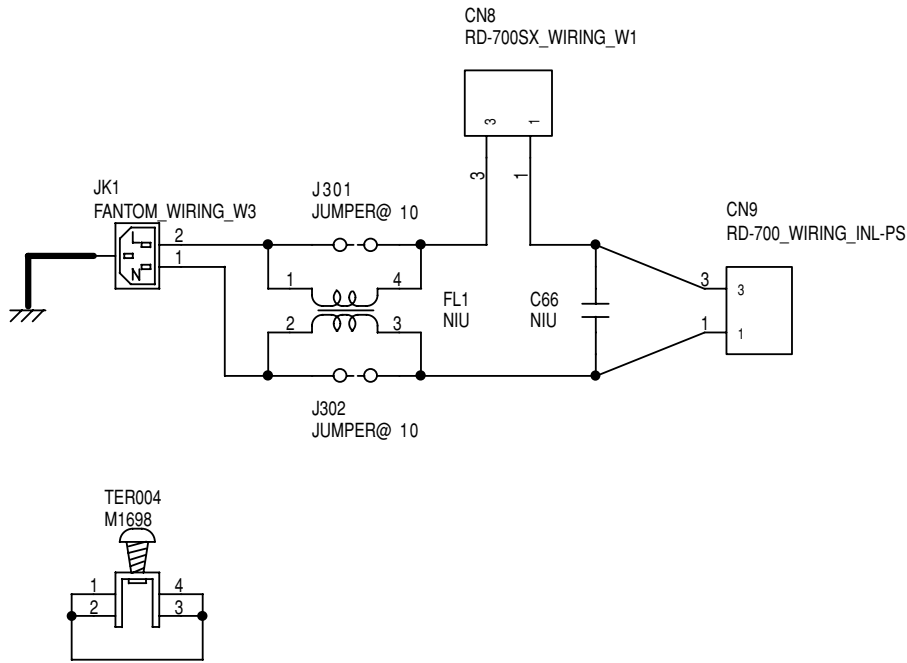
CIRCUIT BOARD(SRX BASE BOARD/LCD BOARD)



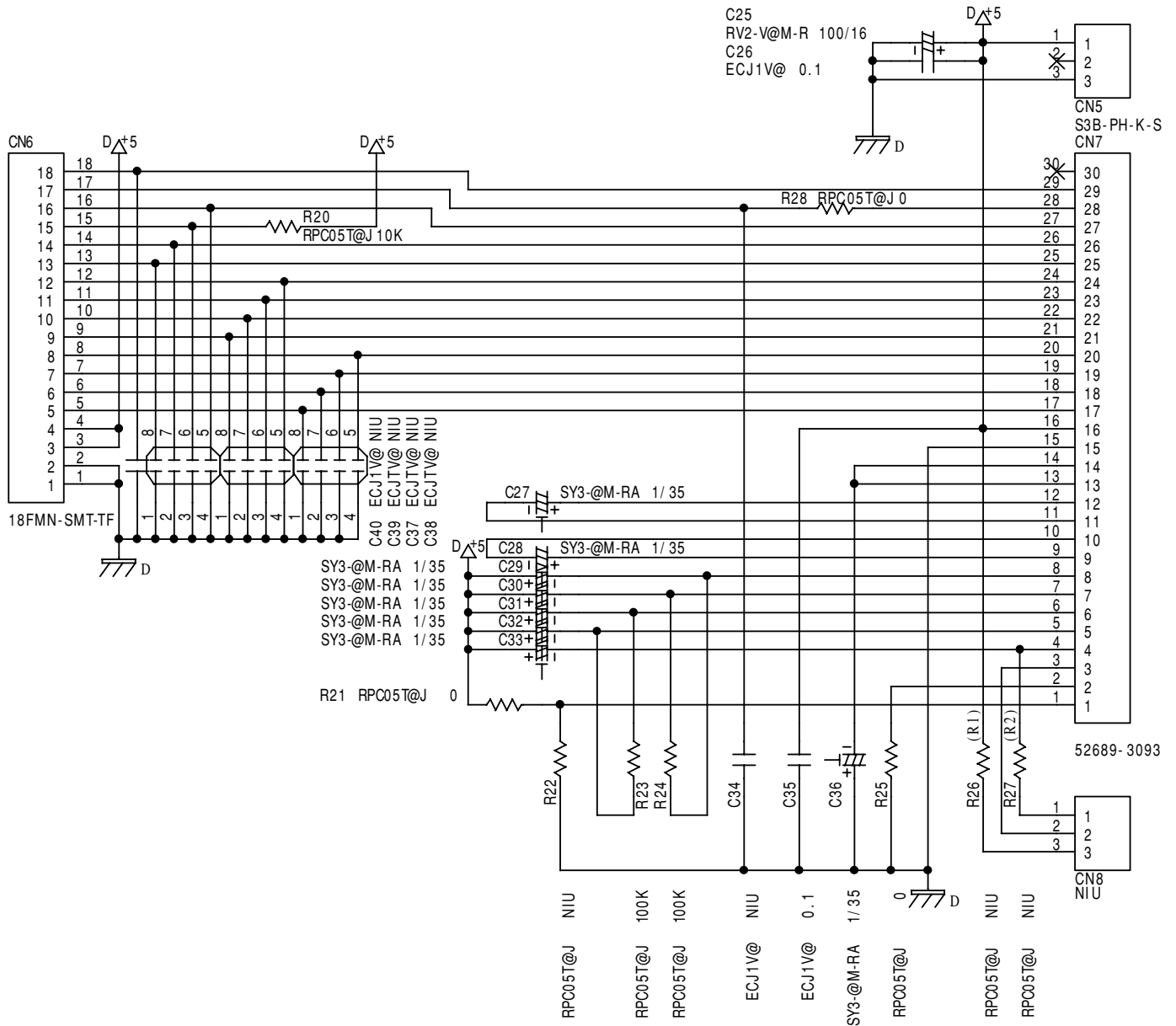
CIRCUIT DIAGRAM(SRX BASE BOARD)



CIRCUIT DIAGRAM(INLET BOARD)



CIRCUIT DIAGRAM(LCD BOARD)



52689-3093

ERROR MESSAGES

- Indication: MIDI Buffer Full
 Situation: Due to an inordinate volume of MIDI messages received, the RD-700SX has failed to process them properly.
 Action: Reduce the amount of MIDI messages to be transmitted.
- Indication: MIDI Communication Error
 Situation: A problem has occurred with the MIDI cable connections.
 Action: Check that MIDI cables are not broken or pulled out.
- Indication: BULK DUMP: Receive Data Error
 Situation: A MIDI message was received incorrectly.
 Action: If the same error message is displayed repeatedly, there is a problem with the MIDI messages that are being transmitted to the RD-700SX.
- Indication: File Error
 Situation: A file can't be read. Or a file may be broken.
 Action: Be sure you're using Standard MIDI Files ("MID" is used as the extension) and Setup Files ("RDS" is used as the extension).
- Indication: System Error
 Situation: There may be a problem with the system.
 Action: Turn on the power once again, then repeat the procedure.

Other Messages

- Indication: Now, writing Bulk Dump Data. Keep on POWER!!
 Situation: Indicated when Bulk Dump data is being received.
 Action: Once received, the data is written to the RD-700SX's internal memory; be absolutely sure not to turn off the power until "COMPLETED" appears in the display.
- Indication: Unavailable while in Rec Mode
 Situation: This is displayed when the [EXTERNAL/INTERNAL] button is pressed with Rec Mode "ON."
 Action: When Rec Mode is "ON," you cannot change the External settings. To make changes to the External settings, set Rec Mode to "OFF".
- Indication: Memory Full!
 Situation: There is not sufficient space left on the user memory.
 Action: Delete files stored on the RD-700SX memory.
- Indication: File Exists. Overwrite OK?
 Situation: A file with the same name is already exists.
 Action: If you execute the procedure, the file will be overwrite. If you don't want to overwrite, change a filename.
- Indication: Can not Save
 Situation: The save could not be performed correctly.
 Action: The internal memory capacity of the RD-700SX may be full. Delete files stored on the RD-700SX memory.
- Indication: Can not Delete
 Situation: The data cannot be deleted.
 Action: Select the File Type to "ALL FILES" in the DELETE screen, then repeat the procedure.
- Indication: Panel is Locked
 Situation: Buttons will not function.
 Action: Press [EXIT] to cancel.

CHANGE INFORMATION

The changing details

PART CODE	PART NAME	IC NUMBER
Before : 03348812	M12L16161A-7TG	IC51
After : 03237689	M12L64164A-7TG	IC42

The following issues have been resolved.

When turning on the power, it produces scratchy noise output from LINE OUT or PHONES OUT rarely.

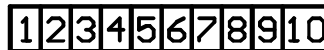
The noise are not deal with playing keyboard and operation, it produces generated at a constant cycle (about 23 seconds).

Service Response

Please execute the changing, when only there is a complaint.

Different point

Please confirm the suffix unber on the MAIN BOARD ASSY.



Before nothing
 after 1