POWERED MIXER

EMX3000

SERVICE MANUAL

CONTENTS

SPECIFICATIONS 3/5
PANEL LAYOUT 7
CIRCUIT BOARD LAYOUT 10
WIRING 11
DIMENSIONS 11
BLOCK & LEVEL DIAGRAM 12

DISASSEMBLY PROCEDURE 14
LSI PIN DESCRIPTION 17
IC BLOCK DIAGRAM 19
CIRCUIT BOARDS 20
INSPECTIONS 27/33
CIRCUIT DIAGRAMS C1
PARTS LIST

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IMPORTANT NOTICE

This manual has been provided for the use of authorized Yamaha Retailers and their service personnel. It has been assumed that basic service procedures inherent to the industry, and more specifically Yamaha Products, are already known and understood by the users, and have therefore not been restated.

WARNING : Failure to follow appropriate service and safety procedures when servicing this product may result in personal injury, destruction of expensive components and failure of the product to perform as specified. For these reasons, we advise all Yamaha product owners that all service required should be performed by an authorized Yamaha Retailer or the appointed service representative.

IMPORTANT : This presentation or sale of this manual to any individual or firm does not constitute authorization certification, recognition of any applicable technical capabilities, or establish a principal-agent relationship of any form.

The data provided is belived to be accurate and applicable to the unit(s) indicated on the cover. The research engineering, and service departments of Yamaha are continually striving to improve Yamaha products. Modifications are, therefore, inevitable and changes in specification are subject to change without notice or obligation to retrofit. Should any discrepancy appear to exist, please contact the distributor's Service Division.

WARNING : Static discharges can destroy expensive components. Discharge any static electricity your body may have accumulated by grounding yourself to the ground bus in the unit (heavy gauge black wires connect to this bus.)

IMPORTANT : Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

WARNING: CHEMICAL CONTENT NOTICE!

The solder used in the production of this product contains LEAD. In addition, other electrical/electronic and/or plastic (Where applicable) components may also contain traces of chemicals found by the California Health and Welfare Agency (and possibly other entities) to cause cancer and/or birth defects or other reproductive harm.

DO NOT PLACE SOLDER, ELECTRICAL/ELECTRONIC OR PLASTIC COMPONENTS IN YOUR MOUTH FOR ANY REASON WHAT SO EVER!

Avoid prolonged, unprotected contact between solder and your skin! When soldering, do not inhale solder fumes or expose eyes to solder/flux vapor!

If you come in contact with solder or components located inside the enclosure of this product, wash your hands before handling food.

WARNING: THIS APPARATUS MUST BE EARTHED

IMPORTANT

THE WIRES IN THIS MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:

GREEN-AND-YELLOW :	EARTH
BLUE :	NEUTRAL
BROWN :	LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured GREEN and YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or coloured GREEN and YELLOW.

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

* This applies only to products distributed by YAMAHA KEMBLE MUSIC (U.K.) LTD.

■ WARNING

Components having special characteristics are marked ⚠ and must be replaced with parts having specification equal to those originally installed.

SPECIFICATIONS

● General specifications

Maximum output power	STEREO: 300 W+300 W/4Ω @0.5% THD at 1 kHz 215 W+215 W/8Ω @0.5% THD at 1 kHz BRIDGE: 600 W/8Ω @0.5% THD at 1 kHz	
Frequency response	20 Hz~20 kHz +1 dB, –3 dB @1 W output into 8Ω (SPEAKER OUT)	Channel Gain control at minimum.
	20 Hz~20 kHz +1 dB, –3 dB @+4 dB output into 600Ω (ST OUT, MONO OUT, EFFECT SEND, MONITOR OUT)	Channel Gain control at minimum.
Total harmonic distortion	Less than 0.5% @20 Hz~20 kHz, 150 W output into 4Ω (SPEAKER OUT) Less than 0.3% @20 Hz~20 kHz, +14 dB output into 600Ω (ST OUT, MONO OUT, EFFECT SEND, MONITOR OUT)	
Hum & noise (Average, Rs=150Ω) (with 20 Hz~20 kHz BPF)	–128 dB equivalent input noise –63 dB residual output noise (SPEAKER OUT)	
	–95 dB residual output noise (ST OUT, MONO OUT, EFFECT SEND, MONITOR OUT)	
	–87 dB (ST OUT, MONO OUT)	ST master/MONO master fader at maximum level and all channel fader at minimum.
	–64 dB (68 dB S/N) (ST OUT, MONO OUT)	ST master/MONO master fader and 1 channel fader at maximum level. And 1 channel Gain control at maximum.
	–80 dB (EFFECT SEND, MONITOR OUT)	Master fader at maximum level and all channel level control at minimum.
Maximum voltage gain	91 dB MIC IN to SPEAKER OUT (CH 1~8) 64 dB MIC IN to ST OUT (CH 1~8) 38 dB LINE IN to ST OUT (CH 1~8) 38 dB ST IN to ST OUT (CH 9/10, 11/12) 70 dB MIC IN to EFFECT SEND (CH 1~8) 64 dB MIC IN to MONITOR OUT (CH 1~8)	
Crosstalk at 1 kHz	–70 dB adjacent input, –70 dB input to output	
MIC IN gain control	44 dB variable	
POWER AMP level control	14 dB variable	
Input channel equalization	HIGH 10 kHz shelving* MID 2.5 kHz peaking LOW 100 Hz shelving* * Turn over/roll off frequency of shelving: 3 dB below maximum variable level.	
Meters	13 points LED meter	
CH peak indicators	Red LED on each channel lits when POST EQ signal reaches the level –3 dB below clipping.	
Limiter	Comp. : THD≥0.5%	
LIMIT indicators	Turn on THD≥0.5%	
Graphic equalizer	7 bands (125, 250, 500, 1k, 2k, 4k, 8k Hz), ±12 dB Maximum	
Internal digital effect	16 programs, PARAMETER control	
Foot switch	Digital effect mute: on/off	
Protection circuit (Power amp)	POWER switch on/off mute, DC detection, TEMP (heatsink temp. ≥90°C)	
Fan circuit	stop — low speed (50°C) — variable — high speed (70°C)	
Phantom power	+48 V is supplied to electrically balanced inputs.	
Option	FC5 (Foot switch)	
Power requirement/ Power consumption	USA and Canada: 120 V AC 60 Hz, 250 W Europe: 230 V AC 50 Hz, 300 W Other: 240 V AC 50 Hz, 300 W	
Dimensions (WxHxD)	480×125×454 mm	
Weight	16 kg	
Accessories	Power cord, Owner's Manual	

● Input specifications

Input terminals	Gain trim	Actual load impedance	For use with nominal	Input level		Connectors on mixer
				Sensitivity[1]	Max. before clip	
MIC INPUT (1–8)	MAX MIN	5 kΩ	50~600Ω Mics	–60 dB (775 µV) –16 dB (123 mV)	–40 dB (7.75 mV) +4 dB (1.23 V)	XLR-3-31 type[2]
LINE INPUT (1–8)	MAX MIN	50 kΩ	600Ω Lines	–34 dB (15.5 mV) +10 dB (2.45 V)	–14 dB (155 mV) +30 dB (24.5 V)	PHONE JACK (TRS)[2]
ST INPUT (9–12)	MAX MIN	10 kΩ		–34 dB (15.5 mV) +10 dB (2.45 V)	–14 dB (155 mV) +30 dB (24.5 V)	PHONE JACK[3]
ST SUB IN (1, 2)				+4 dB (1.23 V)	+20 dB (7.75 V)	
TAPE IN (L, R)				–10 dBV (316 mV)	+10 dBV (3.16 V)	PHONO JACK
CH INSERT IN (1–4)				0 dB (775 mV)	+20 dB (7.75 V)	PHONE JACK (I/O)[4]
POWER AMP IN (L, R)				+4 dB (1.23 V)[5]	+18 dB (6.16 V)[5]	PHONE JACK[3]

1. Sensitivity is the lowest level that can produce an output of +4 dB (1.23 V) or the nominal output level when the unit is set at maximum gain. (All fader and level controls are at maximum position.)
2. Balanced. (T=HOT, R=COLD, S=GND)
3. Unbalanced.
4. Unbalanced. (T=OUT, R=IN, S=GND)
5. POWER AMP level control= maximum (+4)

• In these specifications when dB represents a specific voltage, 0 dB is referenced to 0.775 Vrms, 0 dBV is referenced to 1 Vrms.

● Output specifications

Output terminals		Actual source impedance	For use with nominal	Output level		Connectors on mixer
				Nominal	Max. before cliping	
ST OUT 1, 2 (L/R)		150Ω	600Ω Lines	+4 dB (1.23 V)	+20 dB (7.75 V)	PHONE JACK (TRS)[1]
MONO OUT						
EFFECT SEND						
MONITOR OUT 1, 2						
REC OUT (L/R)		600Ω	10 kΩ Lines	–10 dBV (316 mV)	+10 dBV (3.16 V)	PHONO JACK
CH INSERT OUT (1–4)				0 dB (775 mV)	+20 dB (7.75 V)	PHONE JACK (I/O)[2]
C-R/PHONES OUT	for PHONES	100Ω	40Ω Phones	3 mW	100 mW	ST PHONE JACK[3]
	for C-R OUT		10 kΩ Lines	+4 dB (1.23 V)	+20 dB (7.75 V)	
SPEAKER OUT 1, 2 (L/R)		0.1Ω	4/8Ω Speaker	300 W/4		PHONE JACK[4]
BRIDGE OUT			8Ω Speaker	600 W/8		PHONE JACK[5]

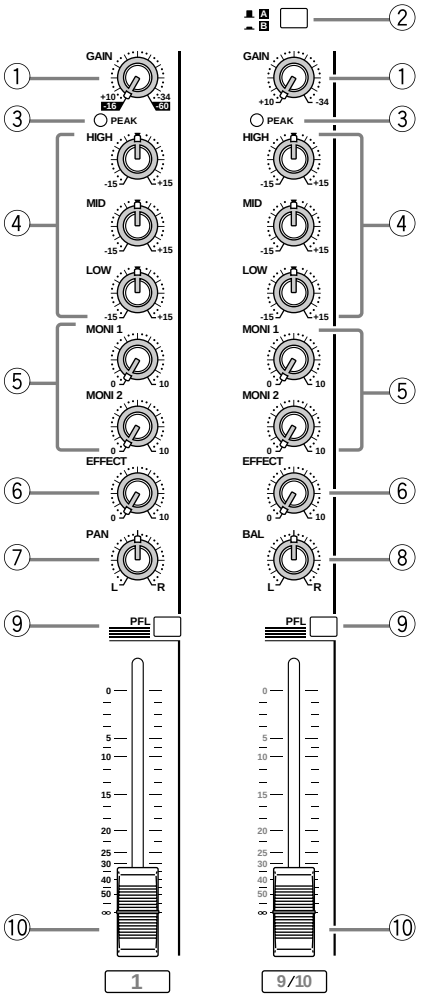
1. Impedance balaned. (T=HOT, R=COLD, S=GND)
2. Unbalanced. (T=OUT, R=IN, S=GND)
3. Unbalanced. (T=L, R=R, S=GND)
4. Unbalanced.
5. Balanced. (T=HOT, S=COLD)

• In these specifications when dB represents a specific voltage, 0 dB is referenced to 0.775 Vrms, 0 dBV is referenced 1 Vrms.

■ PANEL LAYOUT

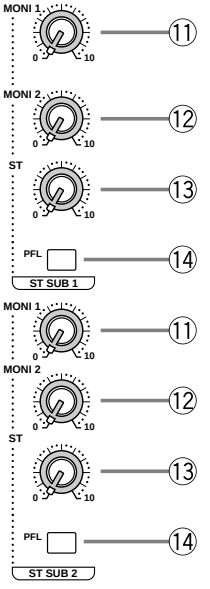
Control Panel

• Channel Control Section



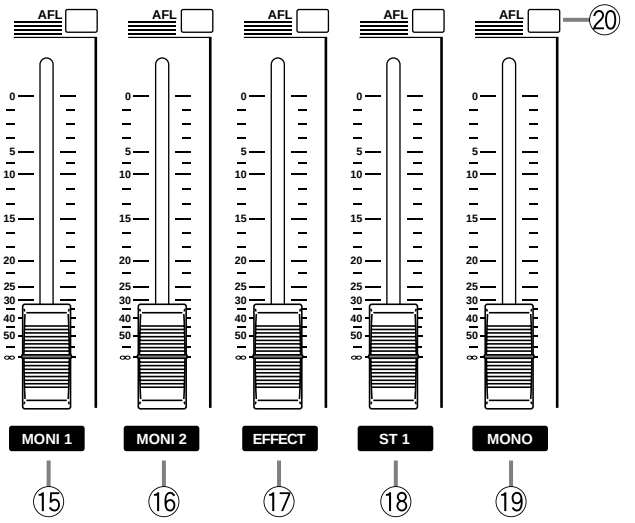
① GAIN control
② A/B switch (Channels 9/10~11/12 only)
③ PEAK indicator
④ Equalizer controls (HIGH, MID, LOW)
⑤ Monitor 1/2 controls (MONI 1/2)
⑥ Effect control (EFFECT)
⑦ PAN (panpot) control (Channels 1~8)
⑧ BAL (balance) control (Channels 9/10~11/12)
⑨ PFL (pre-fader listen) switch
⑩ Channel fader

• Stereo Sub Input Section



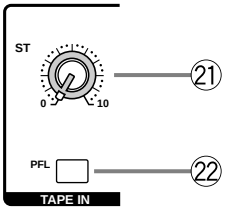
⑪ MONI 1 (monitor 1) control
⑫ MONI 2 (monitor 2) control
⑬ ST (stereo) control
⑭ PFL (pre-fader listen) switch

• Master Control Section



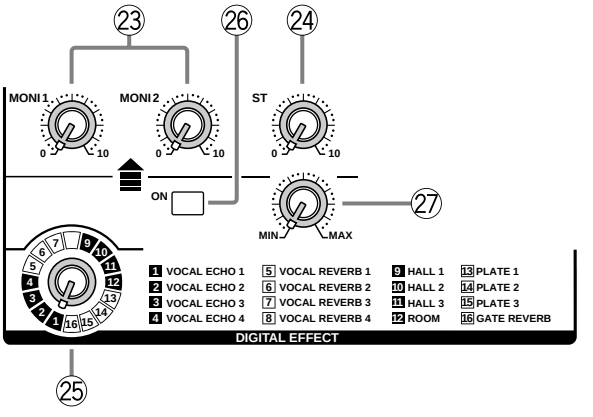
⑮ MONI 1 (monitor 1) fader
⑯ MONI 2 (monitor 2) fader
⑰ EFFECT fader
⑱ ST 1 (stereo 1) fader
⑲ MONO (monaural) fader
⑳ AFL (after fader listen)

• Tape in Section



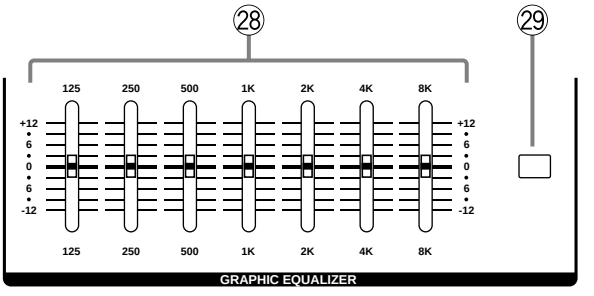
㉑ ST (stereo) control
㉒ PFL (pre-fader listen) switch

• Digital effect Section



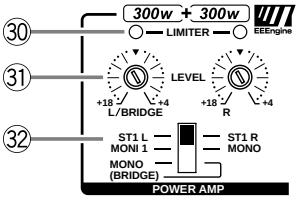
㉓ MONI 1/2 (monitor 1/2) control
㉔ ST (stereo) control
㉕ PROGRAM selector
㉖ ON switch
㉗ PARAMETER control

• Graphic equalizer Section



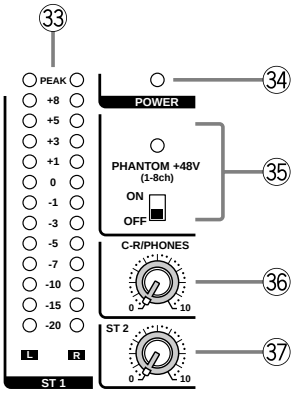
㉘ Graphic equalizer
㉙ ON switch

• Power amp Section



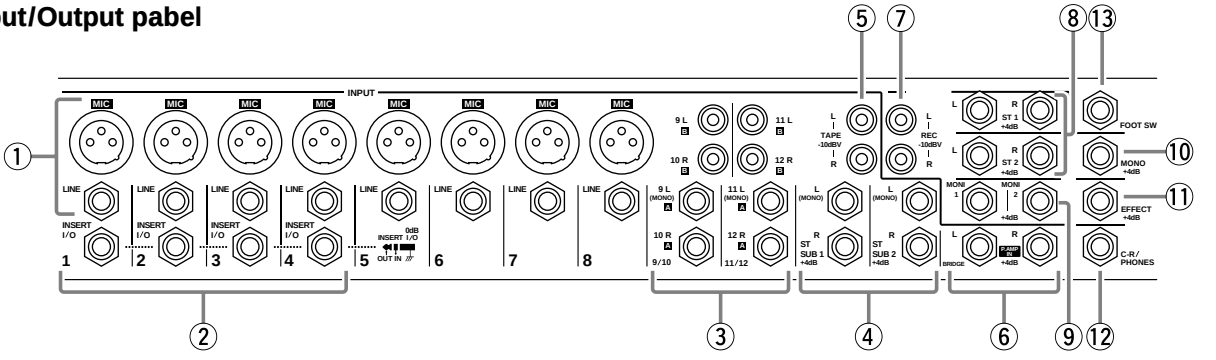
㉚ **LIMITER indicator**
㉛ **LEVEL controls**
㉜ **Power amp select switch**

• Other indicators and controls



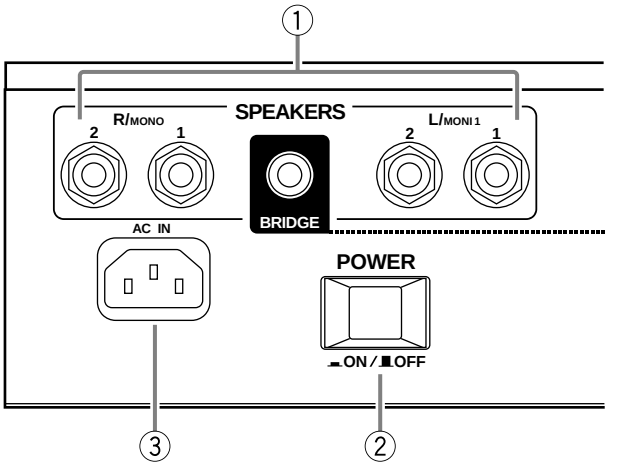
㉝ **Peak level indicator**
㉞ **POWER indicator**
㉟ **PHANTOM (+48V) switch and indicator**
㊱ **C-R/PHONES (control room/headphones)control**
㊲ **ST 2 (stereo 2) control**

• Input/Output pabel



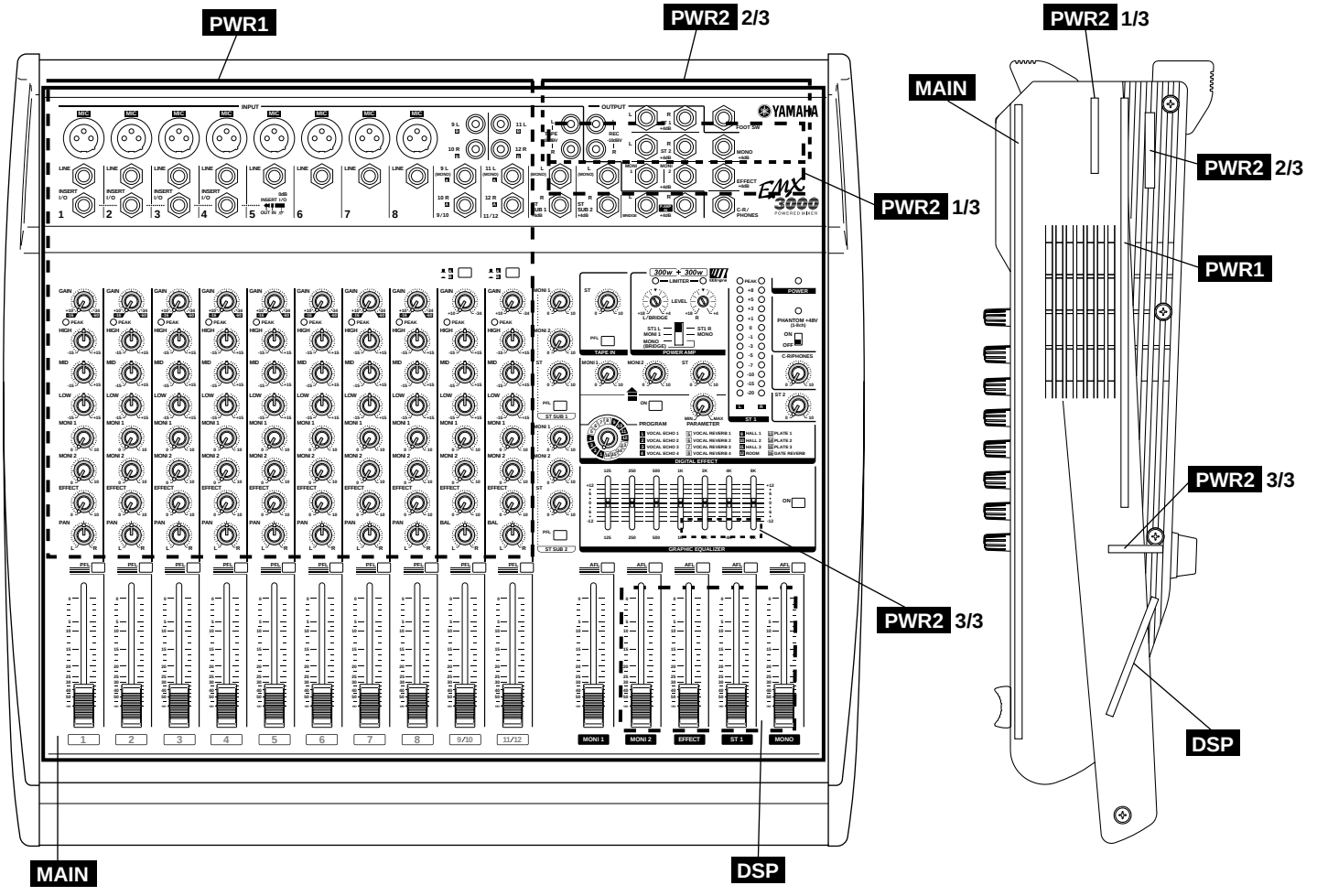
① **Channel input jacks (MIC, LINE) 1~8**
② **INSERT I/O (insert) jacks 1~4**
③ **Channel input jacks 9~12A**
Channel input jacks 9~12B
④ **ST SUB 1 (stereo sub 1) jacks**
ST SUB 2 (stereo sub 2) jacks
⑤ **TAPE jacks**
⑥ **P.AMP IN (power amp input) jacks**
⑦ **REC (record) jacks**
⑧ **ST 1 (stereo 1) jacks**
ST 2 (stereo 2) jacks
⑨ **MONI 1 (monitor 1) jack**
MONI 2 (monitor 2) jack
⑩ **MONO (monaural) jack**
⑪ **EFFECT jack**
⑫ **C-R/PHONES (control room/headphones) jack**
⑬ **FOOT SW (foot switch) jack**

• **Rear panel**

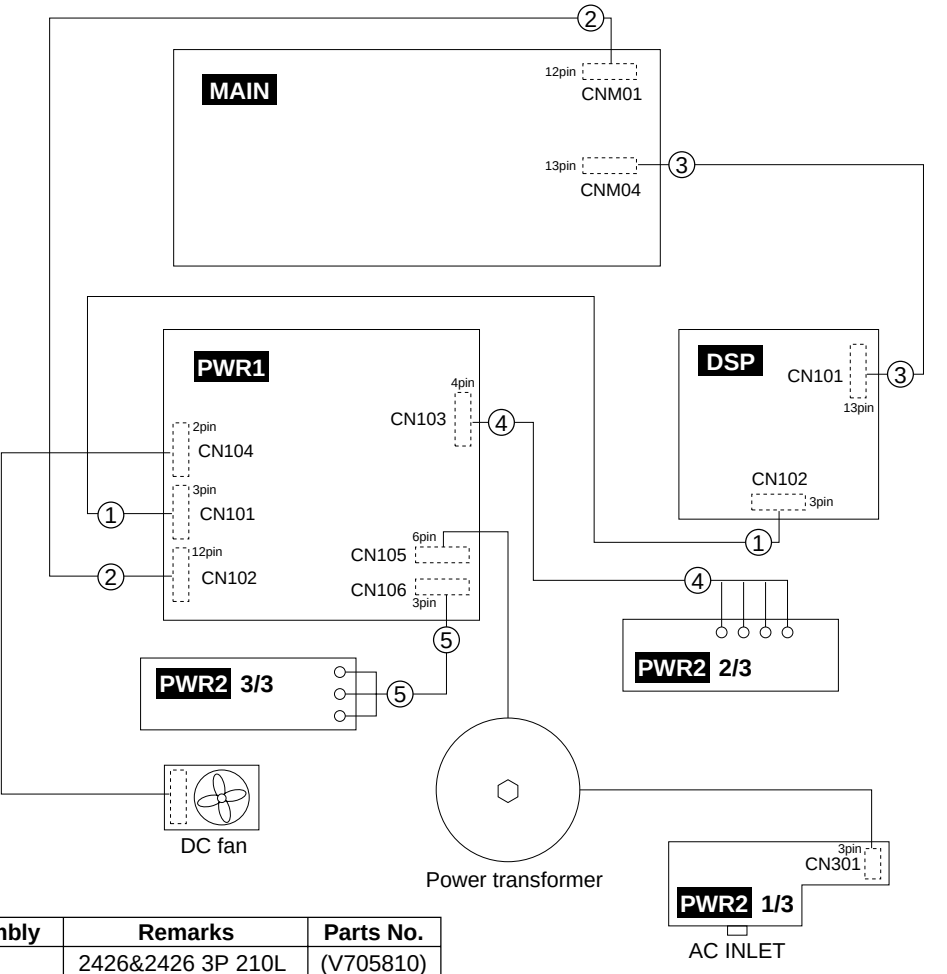


① SPEAKERS (speaker output) jacks
② POWER switch
③ AC inlet

■ CIRCUIT BOARD LAYOUT

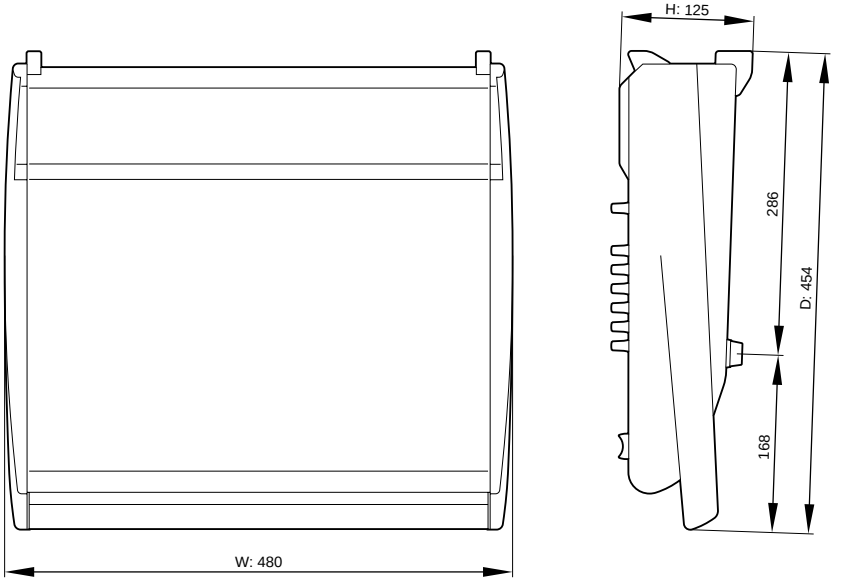


WIRING



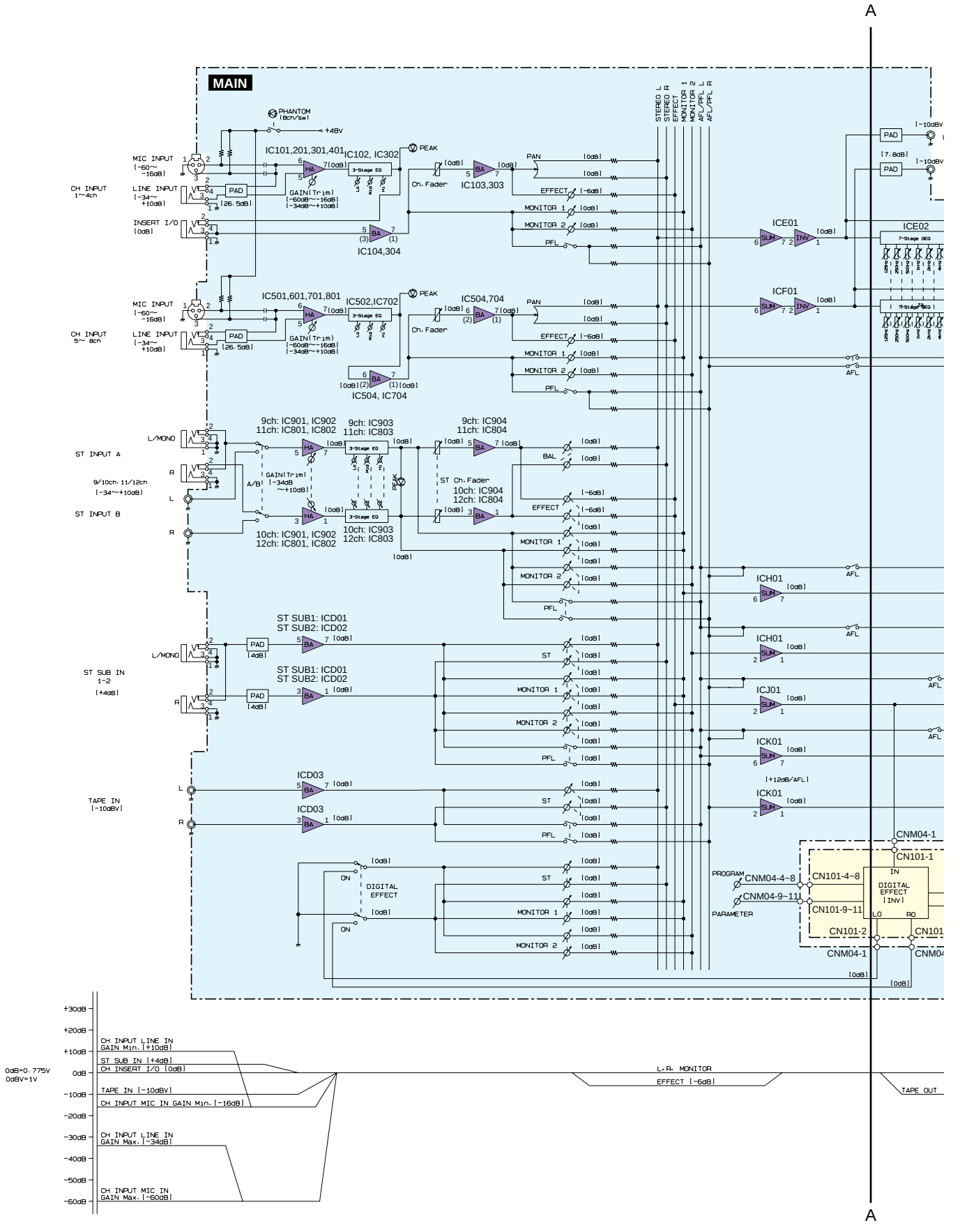
Location	Connector Assembly	Remarks	Parts No.
①	DSP-PWR1	2426&2426 3P 210L	(V705810)
②	MAIN-PWR1	2426&2426 12P	(V705820)
③	MAIN-DSP	2426&2426 13P	(V705830)
④	PWR1-PWR2 2/3	B&C #18 4P	(V702070)
⑤	PWR1-PWR2 3/3	B&C #18 3P	(V702080)

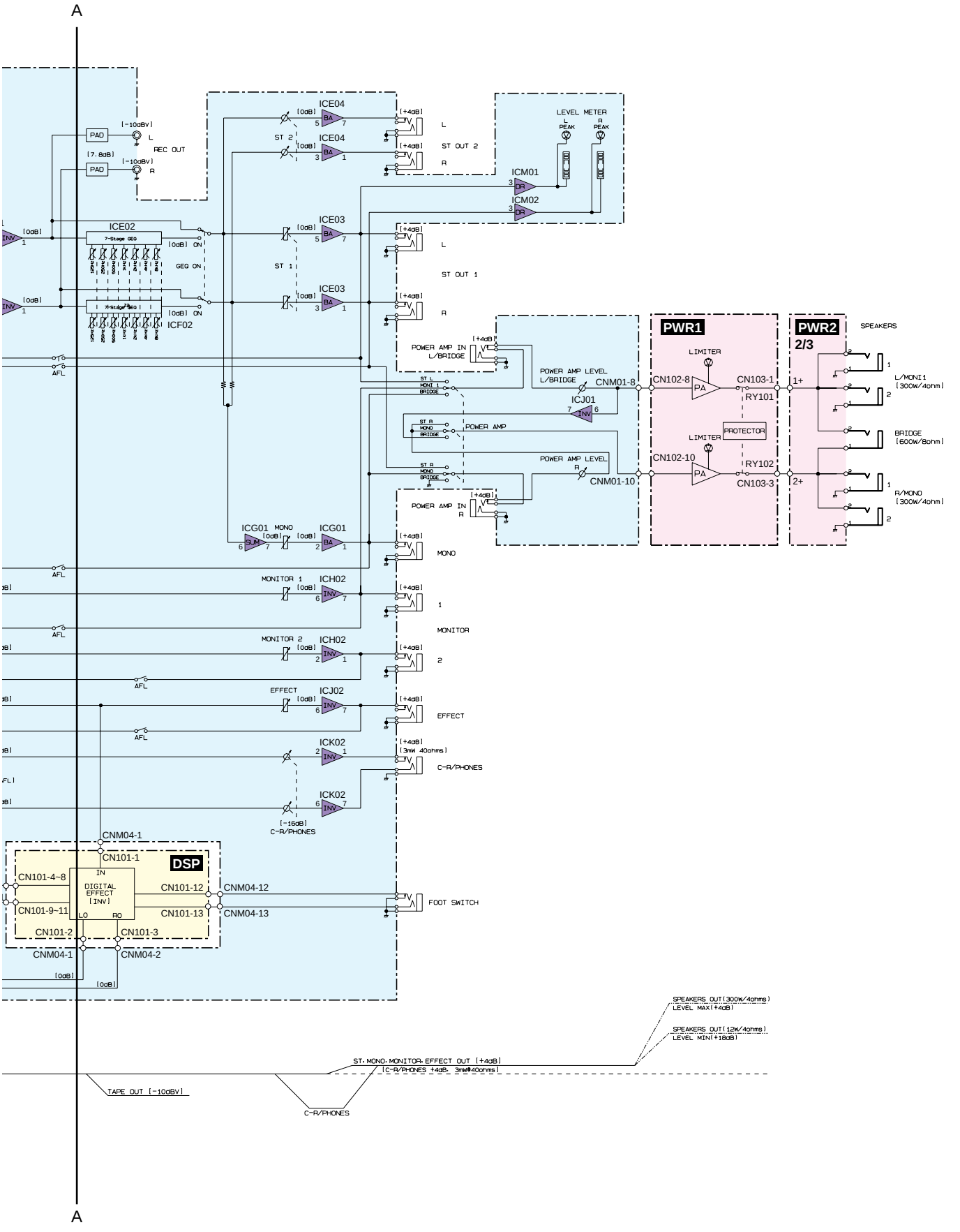
DIMENSIONS



Units: mm

BLOCK & LEVEL DIAGRAM

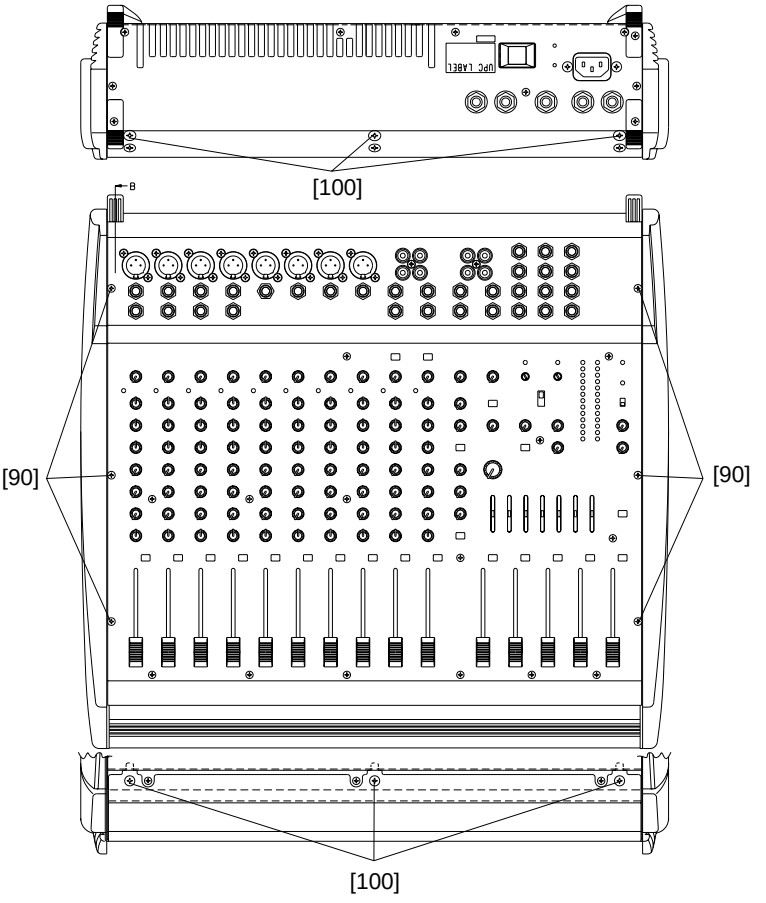



A
PAD
[-10dBV]
L
REC OUT
[7.8dB]
PAD
[-10dBV]
R
ICE04
ST 2
ICE04
ST OUT 2
ICM01
ICM02
LEVEL METER
PEAK
ICE02
7-Stage GEQ
GEQ ON
ICE03
ST 1
ICE03
ST OUT 1
ICF02
AFL
POWER AMP IN L/BRIDGE
POWER AMP LEVEL L/BRIDGE
CNM01-8
ICJ01
POWER AMP
POWER AMP LEVEL R
CNM01-10
POWER AMP IN R
PWR1
LIMITER
CN102-8
PA
CN103-1
RY101
PROTECTOR
CN102-10
CN103-3
RY102
PWR2
2/3
SPEAKERS
L/MONI 1 (300W/4ohm)
BRIDGE (600W/8ohm)
R/MONO (300W/4ohm)
ICG01 MONO
ICG01
MONO
MONITOR 1
ICH02
MONITOR
MONITOR 2
ICH02
EFFECT
ICJ02
EFFECT
ICK02
(3mW 40ohms)
C-R/PHONES
ICK02
(-16dB)
C-R/PHONES
CNM04-1
DSP
CN101-1
IN
CN101-4~8
DIGITAL EFFECT (INV)
CN101-9~11
CN101-12
CN101-13
CNM04-12
CNM04-13
FOOT SWITCH
LO
RO
CN101-2
CN101-3
CNM04-1
CNM04-2
SPEAKERS OUT(300W/4ohms) LEVEL MAX(+4dB)
SPEAKERS OUT(12W/4ohms) LEVEL MIN(+18dB)
ST・MONO・MONITOR・EFFECT OUT (+4dB)
(C-R/PHONES +4dB, 3mW@40ohms)
TAPE OUT (-10dBV)
C-R/PHONES
A

DISASSEMBLY PROCEDURE

1. Panel Assembly and Bottom Assembly (Manhour requirement: 5 min.)

1-1. After removing the six (6) screws marked [90] and six (6) screws marked [100], lift the rear side of the assembly and remove it from claws on the front. (Fig. 1)



[90]: Bind Head Tapping Screw-B 3.0 X 6 MFZN2BL (EP600230)
[100]: Bind Head Tapping Screw-B 3.0 X 6 MFZN2BL (EG340190)

Fig.1

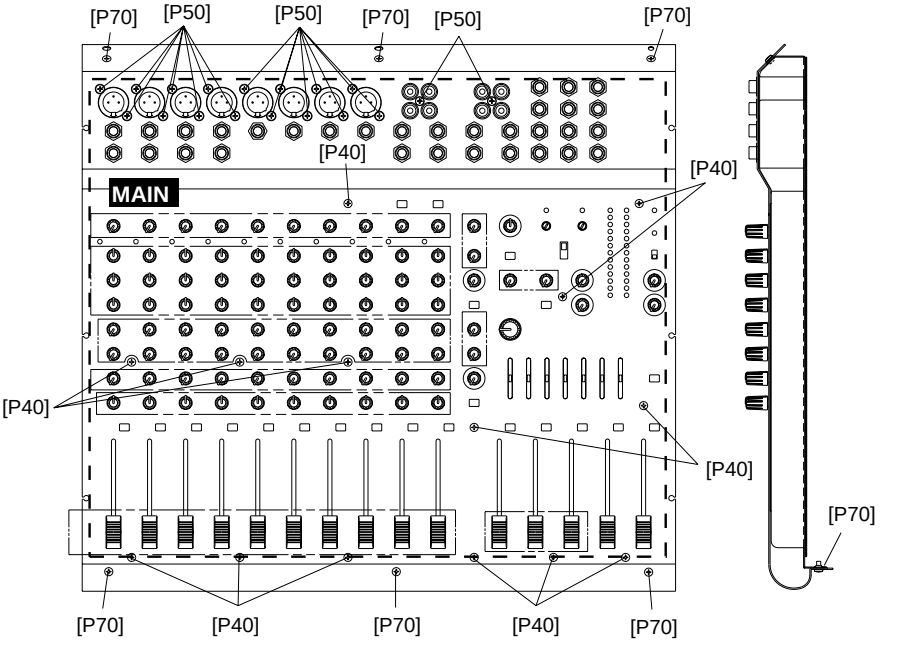
2. MAIN Circuit Board (Manhour requirement: 30 min.)

2-1. Remove the panel assembly and the bottom assembly. (See Procedure 1.)

2-2. Remove the three (3) screws marked [P70] from each side (front and rear). The shield plate can then be removed. (Fig. 2)

2-3. Remove all the knobs from the front panel and all the special hexagon nuts from the jacks.

2-4. Remove the fourteen (14) screws marked [P40] and eighteen (18) screws marked [P50] (cannon connector, pin jack). The MAIN circuit board can then be removed. (Fig. 2)



[P40]: Flat Head Tapping Screw-B 3.0 X 25 MFZN2BL (VV095300)
[P50]: Bonding Screw-B 3.0 X 8 MFZN2BL (VN413300)
[P70]: Bind Head Tapping Screw-B 3.0 X 6 MFZN2BL (EP600230)

Fig.2

3. PWR1 Circuit Board (Manhour requirement: 30 min.)

3-1. Remove the panel assembly and the bottom assembly. (See Procedure 1.)

3-2. Remove the four (4) screws marked [B130] and remove the PWR1 circuit board together with the isolation sheet. (Fig. 3)

3-3. Remove the twenty-eight (28) screws marked [B60]and four (4) screws marked [B50]. The PWR1 circuit board can then be separated from the isolation sheet. (Fig. 3)

4. DSP Circuit Board (Manhour requirement: 10 min.)

4-1. Remove the panel assembly and the bottom assembly. (See Procedure 1.)

4-2. Remove each PCB support at four (4) locations. The DSP circuit board can then be removed. (Fig. 3)

5. PWR2 3/3 Circuit Board (Manhour requirement: 10 min.)

5-1 Remove the panel assembly and the bottom assembly. (See Procedure 1.)

5-2. Remove the one (1) screw marked [B75] and the electrolytic capacitor holder. The PWR2 3/3 circuit board can then be removed. (Fig. 3)

6. DC fan (Manhour requirement: 10 min.)

6-1. Remove the panel assembly and the bottom assembly. (See Procedure 1.)

6-2. Remove the two (2) screws marked [B100]. The DC fan can then be removed. (Fig. 3)

7. Power transformer (Manhour requirement: 10 min.)

7-1. Remove the panel assembly and the bottom assembly. (See Procedure 1.)

7-2. Remove the hexagonal bolt. The power transformer can then be removed. (Fig. 3)
(See Fig.3 for drawing direction of wiring assembly.)

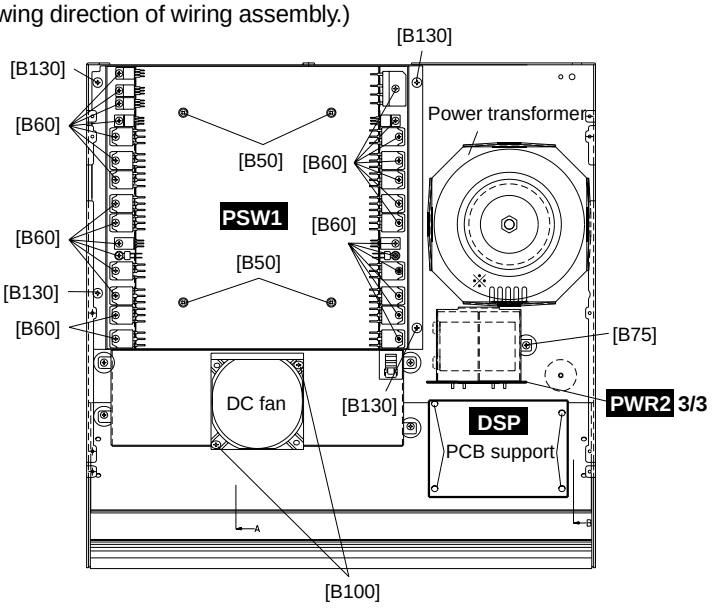


Fig.3

[B50]:Bind Head Screw SP 3.0 X 8 MFZN2Y (FG330290)
[B60]:Pan Head Screw SPK 3.0 X 12 MFZN2Y (VJ470900)
[B75]:Bind Head Tapping Screw-B 3.0 X 6 MFZN2BL (EP600230)
[B100]:Bind Head Tapping Screw-B 4.0 X 8 MFZN2BL (EG340190)
[B130]:Bind Head Tapping Screw-B 4.0 X 8 MFZN2BL (EG340190)

8. PWR2 2/3 Circuit Board (Manhour requirement: 15 min.)

8-1. Remove the panel assembly and the bottom assembly. (See Procedure 1.)

8-2. Remove the five (5) special hexagonal nuts and one (1) screw marked [R30] from the rear panel. The PWR2 2/3 circuit board can then be remove. (Fig. 4)

9. PWR2 1/3 Circuit Board (Manhour requirement: 15 min.)

9-1. Remove the panel assembly and the bottom assembly. (See Procedure 1.)

9-2. Remove the two (2) screws marked [R60], PSW knob, PSW escussion and the 2 screws marked [R20]. The PWR2 1/3 circuit board can then be removed.

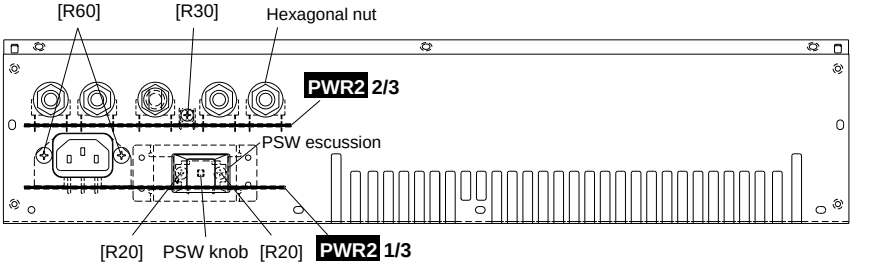


Fig.4

[R20]:Bind Head Screw 3.0 X 8 MFZN2BL (VB659000)
[R30]:Bonding Screw-B 3.0 X 8 MFZN2BL (EG413300)
[R60]:Bind Head Tapping Screw-B 4.0 X 8 MFZN2BL (EG340190)

■ LSI PIN DESCRIPTION

• ZFX-2 (XY297A00) CPU

DSP: IC105

PIN No.	NAME	I/O	FUNCTION	PIN No.	NAME	I/O	FUNCTION
1	ED2	I/O	External Memory and I/O Data Bus	53	AXLR2	I	Audio Data Transmitt Unit 2/3 Left and Right Channel Frame Frequency Signal
2	ED3	I/O					
3	ED4	I/O		54	AR1	I	Audio Data Receive Unit 1 Data Input
4	ED5	I/O		55	AR2	I	Audio Data Receive Unit 2 Data Input
5	ED6	I/O		56	HRBCK/SA0	I	Host Interface Receive Clock / I2C Bus Address 0
6	ED7	I/O		57	HR/SA1	I	Host Interface Data Input/ I2C Bus Address 1
7	VSS	S	Ground	58	HRS/SA2	I	Host Interface Receive Data Frame Frequency Signal/ I2C Bus Address 2
8	VDD	S	Power Supply				
9	CLKM0	I	Clock Mode	59	VSS	S	Ground
10	CLKM1	I		60	VDD	S	Power Supply
				61	HXBCK/SCL	I	Host Interface Transmitt Clock/ I2C Bus Clock
				62	HXS/SA3	I	Host Interface Transmitt Data Frame Frequency Signal/ I2C Bus Address 3
11	TMS	I	TAP(Test Access Port) Mode Select	63	/CS/SA4	I	Host Interface Chip Select/ I2C Bus Address 4
12	TDI	I	TAP Data Input	64	HBCKS/SA5	I	HRBCK/HXBCK Active Edge Select/ I2C Bus Address 5
13	TCK	I	TAP Clock	65	I2CSEL	I	Host Interface Mode Select
14	CLKIN	I	Master Clock	66	VSS	S	Ground
15	VSS	S	Ground	67	VDD	S	Power Supply
16	VDD	S	Power Supply	68	AXBC1	I	Audio Data Transmitt Unit 1 bit Clock
17	CLKO	O	Machine Clock Output	69	AXBC2	I	Audio Data Transmitt Unit 2/3 bit Click
18	EA12/ED8	I/O	External SRAM and ROM Address Bus/ External DRAM and I/O Data Bus	70	AXLR1	I	Audio Data Transmitt Unit 1 Left and Right Channel Frame Frequency Signal
19	EA13/ED9	I/O					
20	EA14/ED10	I/O		71	DIVS	O	Machine Clock Output then 8 min.
21	EA15/ED11	I/O		72	/LAV	O	Ruch ALU Overflow Frag Output
22	VSS	S	Ground	73	/LMV	O	Ruch MAC Overflow Frag Output
23	VDD	S	Power Supply	74	/DRDY	O/Z	Host Interface Transmitt Data Ready Frag Output
24	EA16/ED12	I/O	External SRAM and ROM Address Bus/ External DRAM and I/O Data Bus	75	EMU0	I/O/Z	Emurator Interrupt 0
25	EA17/ED13	I/O		76	EMU1	I/O/Z	Emurator Interrupt 1
26	EA18/ES14	I/O		77	TDO	O/Z	TAP(Test Access Port) Data Output
27	EA19/ED15	I/O		78	DIV512	O	Machine Clock then512 min.
28	EA4/ED16	I/O	External Memory Address Bus/ External I/O Data Bus	79	ARLR1	I	Audio Data Receive Unit 1 Left and Right Channel Frame Frequency Signal
29	EA5/ED17	I/O					
30	EA6/ED18	I/O		80	ARLR2	I	Audio Data Receive Unit 2 Left and Right Channel Frame Frequency Signal
31	EA7/ED19	I/O					
32	VSS	S	Ground	81	HDIR/SA6	I	Host Interface Data Format Select/ I2C Bus Address 6
33	VDD	S	Power Supply	82	SEL5V3V	I	Input Level Control
34	EA8/ED20	I/O	External Memory Address Bus/ External I/O Data Bus	83	/MUTE	I	Mute Control
35	EA9/ED21	I/O		84	/TRST	I	TAP(Test Access Port) Reset
36	EA10/ED22	I/O		85	/RS	I	Hardware Reset
37	EA11/ED23	I/O		86	VSS	S	Ground
38	TEST0	I	Test Mode Control	87	VDD	S	Power Supply
39	TEST1	I		88	/IOE	O	External I/O Enable
40	TEST2	I		89	/RAS/SRCS	O	External DRAM Low Address Strove/External SRAM Chip Select
41	TEST3	I					
42	/BIO	I	Separate Control Input	90	/CAS/SROE	O	External DRAM Culumn Address Strove/External SRAM Output Enable
43	/INT1	I	Interrupt 1				
44	ARBC1	I	Audio Data Receive Unit 1 bit Clock	91	/ROME	O	External ROM Enable
45	ARBC2	I	Audio Data Receive Unit 2 bit Clock	92	/WE	O	External Memory and I/O Wright Enable
46	AX1	O	Audio Data Transmitt Unit 1 Data Output	93	EA0	O	External Memory and I/O Address Bus
47	AX2	O	Audio Data Transmitt Unit 2 Data Output	94	EA1	O	
48	AX3	O	Audio Data Transmitt Unit 3 Data Output	95	EA2	O	
49	VSS	S	Ground	96	EA3	O	
50	VDD	S	Power Supply	97	VSS	S	Ground
51	HX/SDA	I/O/Z	Host Interface Data Output/I2C Bus Data	98	VDD	S	Power Supply
52	/EMPTY	O/Z	CMEM Update Buffer and HR Resistor Empty Flag Output	99	ED0	I/O	External Memory and I/O Data Bus
				100	ED1	I/O	

	1	3	6	PLL BYPASS
CLKM0	0	1	0	1
CLKM1	0	0	1	1

● PCM3001E/2K (X0053A00) ADA

DSP: IC104

PIN No.	NAME	I/O	FUNCTION	PIN No.	NAME	I/O	FUNCTION
1	VINL	I	ADC Analog Input, Lch	15	VOUTL	O	DAC Analog Output, Lch
2	Vcc1		ADC Analog Power Supply	16	LRCIN	I	Sampling Clock Input (fs)
3	AGND1		ADC Analog GND	17	BCKIN	I	Bit Clock Input
4	VREFL		ADC Reference decouple, Lch	18	DIN	I	Audio Data Input
5	VREFR		ADC Reference Decouple, Rch	19	DOUT	O	Audio Data Output
6	VINR	I	ADC Analog Input, Rch	20	XTI	I	Crystal Oscillator Input, External System Clock Input
7	CINPR		ADC Anti-areasing Filter Capacitor (+), Rch	21	XTO	O	Crystal Oscillator Output
8	CINNR		ADC Anti-areasing Filter Capacitor (-), Rch	22	CLKIO	I/O	Crystal Oscillator Buffer Output, External System Clock Input
9	CINNL		ADC Anti-areasing Filter Capacitior (-), Lch	23	VDD		Digital Power Supply
10	CINPL		ADC Anti-areasing Filter Capacitor (+), Rch	24	DGND		Digital GND
11	VCOM		DAC Center Voltage Decouple	25	FMT2	I	Audio Data Format 2 (Pull up to 70k ohm typical)
12	VOUTR	O	DAC Analog Output, Rch	26	FMT1	I	Audio Data Format 1 (Pull up to 70k ohm typical)
13	AGND2		DAC Analog GND	27	FMT0	I	Audio Data Format 0 (Pull up to 70k ohm typical)
14	Vcc2		DAC Analog Power Supply	28	RSTB	I	Reset Input, Active "L" (Pull up to 70k ohm typical)

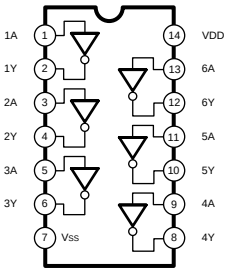
● UPD78082 (XZ312A00) MCU

DSP: IC102

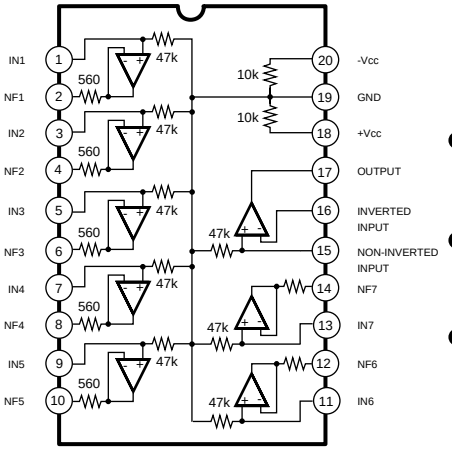
PIN No.	NAME	I/O	FUNCTION	PIN No.	NAME	I/O	FUNCTION
1	P12/ANI2	I/O	8 bits input/output port./A/D converter analog input.	23	NC	-	Not connect.
2	P13/ANI3	I/O	8 bits input/output port./A/D converter analog input.	24	P32	I/O	Port 3. 8 bits input/output port.
3	P14/ANI4	I/O	8 bits input/output port./A/D converter analog input.	25	P33	I/O	Port 3. 8 bits input/output port.
4	P15/ANI5	I/O	8 bits input/output port./A/D converter analog input.	26	P34	I/O	Port 3. 8 bits input/output port.
5	P16/ANI6	I/O	8 bits input/output port./A/D converter analog input.	27	P35/PCL	I/O	Port 3. 8 bits input/output port./Clock output.
6	P17/ANI7	I/O	8 bits input/output port./A/D converter analog input.	28	P36/BUZ	I/O	Port 3. 8 bits input/output port./Buzzer output.
7	P72/SCK2/ASCK	I/O	Port 7. 3 bits input/output port./Serial clock input/output of serial interface./Serial clock input for asynchronus serial interface.	29	P37	I/O	Port 3. 8 bits input/output port.
				30	P00	I	Input only
				31	P01/INTP1	I/O	4 bits input/output port./Effective edge (Rising edge, falling edge, both rising and falling edges) specifiable external interrupt input.
8	P71/SO2/TXD	I/O	Port 7. 3 bits input/output port./Serial data output for serial interface./Serial data output for asynchronus serial interface.				
9	P70/SI2/RXD	I/O	Port 7. 3 bits input/output port./Serial data input of serial interface./Serial data input for asynchronus serial interface	32	P02/INTP2	I/O	4 bits input/output port./Effective edge (Rising edge, falling edge, both rising and falling edges) specifiable external interrupt input.
10	P101/T16/T06	I/O	Port 10. 2 bits input/output port./External count clock input to 8 bits timer(TM6)./8 bits timer output.	33	P03/INTP3	I/O	4 bits input/output port./Effective edge (Rising edge, falling edge, both rising and falling edges) specifiable external interrupt input.
11	P100/T15/T05	I/O	Port 10. 2 bits input/output port./External count clock input to 8 bits timer(TM5)./8 bits timer output.				
12	P50	I/O	Port 5. 8 bits input/output port.	34	NC	-	Not connect
13	P51	I/O	Port 5. 8 bits input/output port.	35	RESET	I	System reset input
14	P52	I/O	Port 5. 8 bits input/output port.	36	IC(VPP)	-	Internal connect
15	P53	I/O	Port 5. 8 bits input/output port.	37	X2	-	Main system clock oscillator X'tal
16	P54	I/O	Port 5. 8 bits input/output port.	38	X1	I	Main system clock oscillator X'tal
17	VSS	I/O	Port 5. 8 bits input/output port.	39	VDD	-	Power Supply
18	P55	I/O	Port 5. 8 bits input/output port.	40	AVDD	-	A/D Converter Analog Power Supply
19	P56	I/O	Port 5. 8 bits input/output port.	41	AVREF	I	A/D Converter Power Supply Input
20	P57	I/O	Port 5. 8 bits input/output port.	42	AVSS	-	A/D Converter ground
21	P30	I/O	Port 3. 8 bits input/output port.	43	P10/ANI0	I/O	8 bits input/output port./A/D converter analog input.
22	P31	I/O	Port 3. 8 bits input/output port.	44	P11/ANI1	I/O	8 bits input/output port./A/D converter analog input.

IC BLOCK DIAGRAM

● **74HCU04DT** (XZ110A00)
INVERTER
DSP: IC101



● **M5229P** (XG203A00)
7-SEG. GRAPHIC
MAIN: ICE02, ICF02

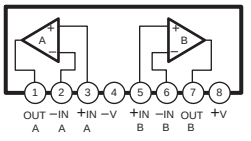


● **NJM2068L-D**(XM356A00)
OP AMP
MAIN: IC101–104, IC201, IC301–IC304, IC401, IC501–IC504, IC601, IC701–704, IC801, IC901–904, ICB01–04, ICD01–03, ICE01, ICH01, ICJ01,ICK01

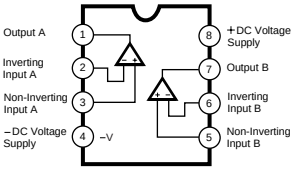
● **NJM4556AL**(XP844A00)
OP AMP
MAIN: ICK02

● **NJM4558L-D**(XQ212A00)
OP AMP
PWR1: IC101, IC201

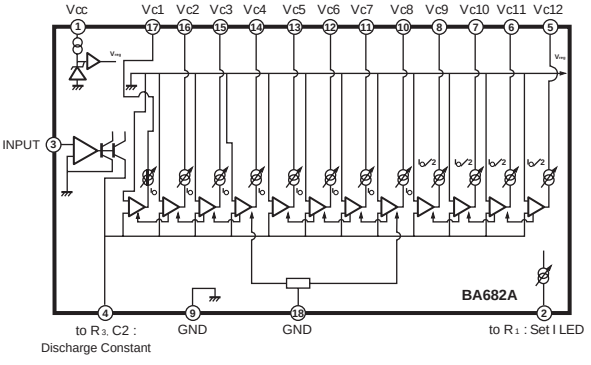
● **NJM4580L**(XF195A00)
OP AMP
MAIN: ICE03, ICE04, ICG01, ICH02, ICJ02



● **NJM4558MT-1** (IG103520)
OP AMP
DSP: IC103

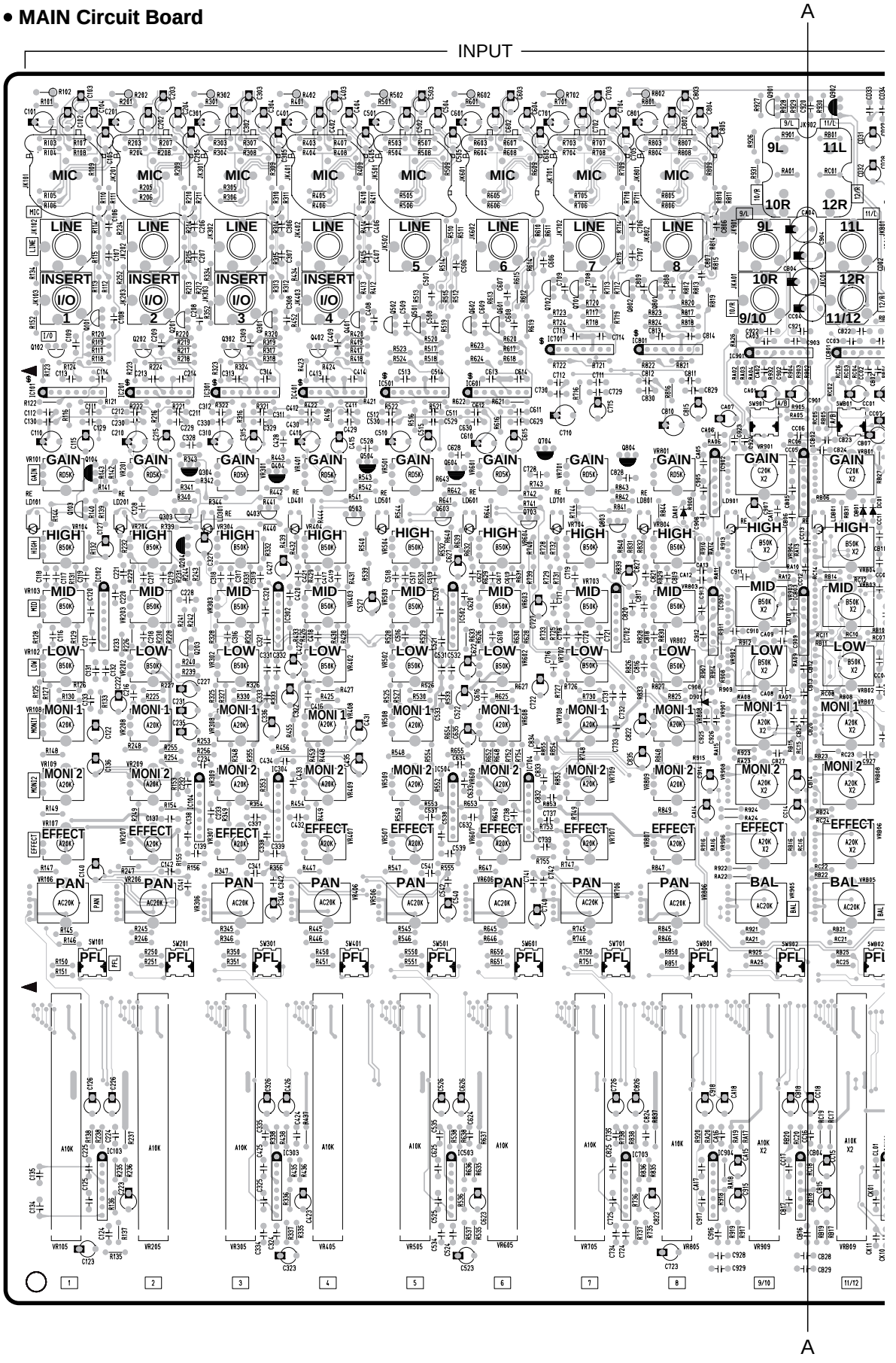


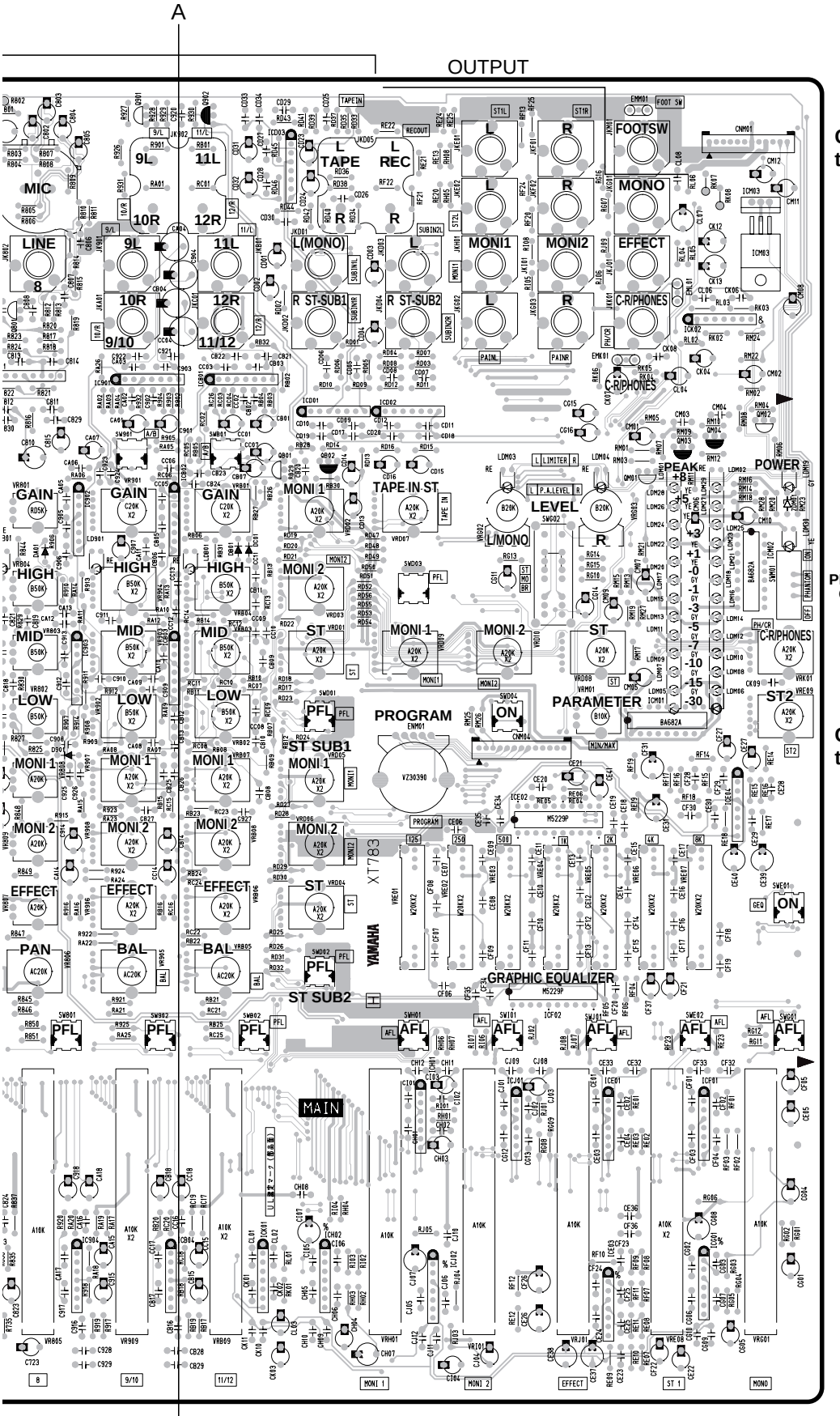
● **BA682A** (XS046A00)
LED LEVEL METER
MAIN: ICM01, ICM02



■ CIRCUIT BOARDS

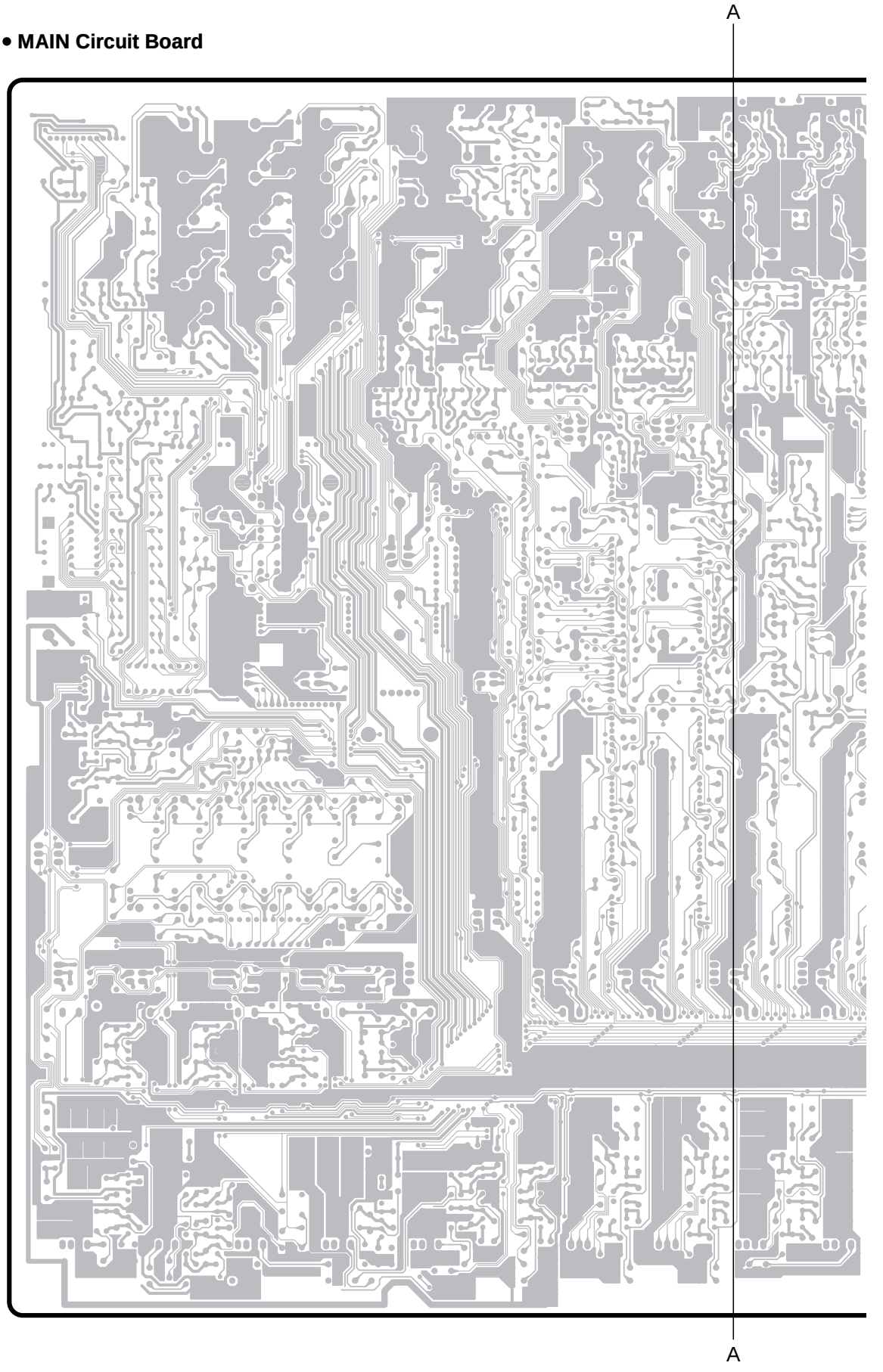
• **MAIN Circuit Board**

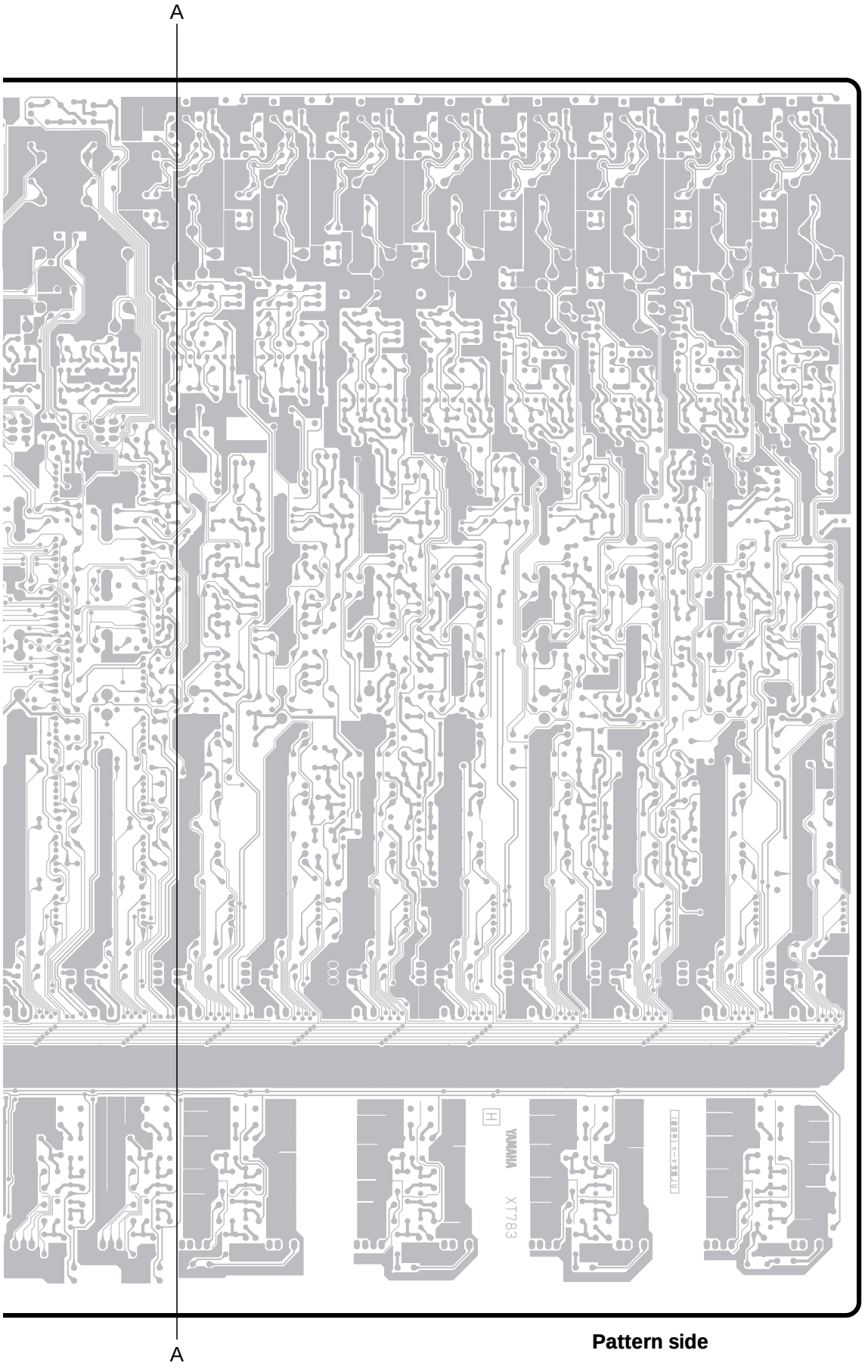




Component side

• **MAIN Circuit Board**

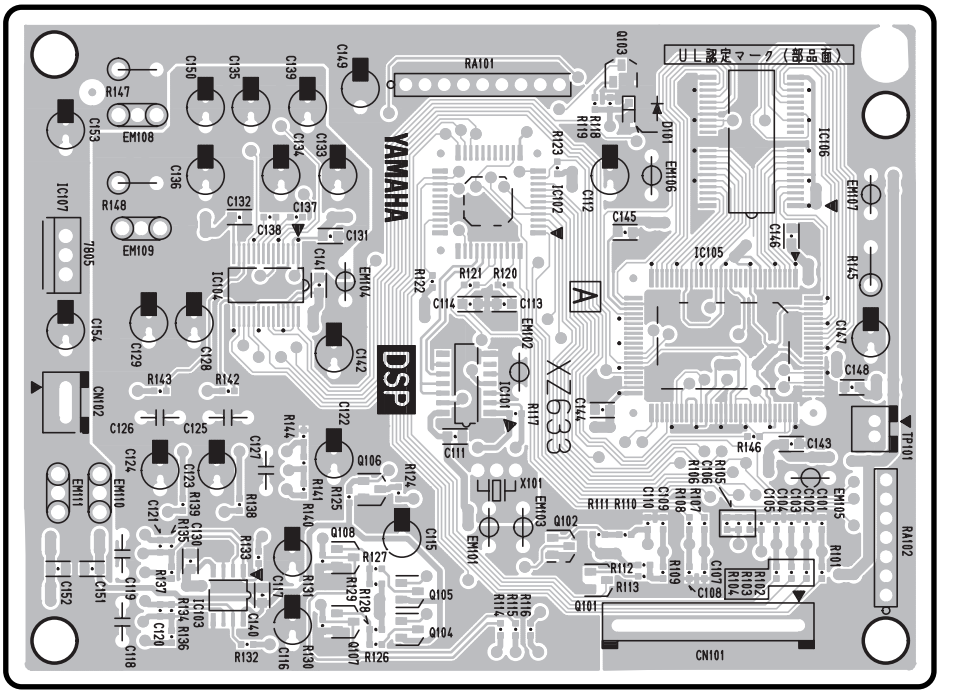




Pattern side

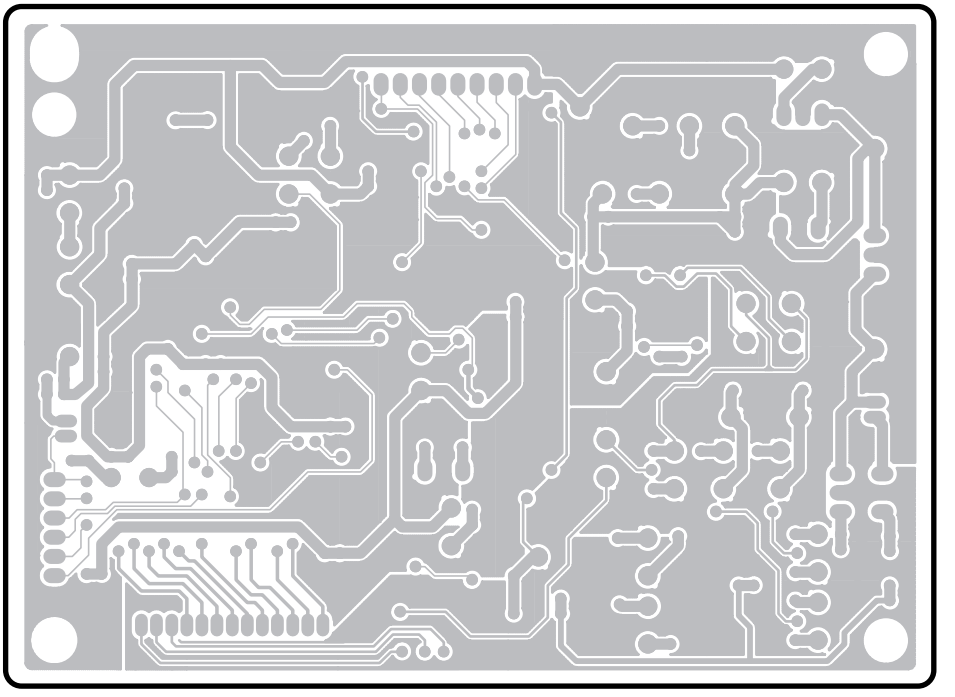
• DSP Circuit Board

CN102:
to PWR1-CN101



CN101: to MAIN-CNM04

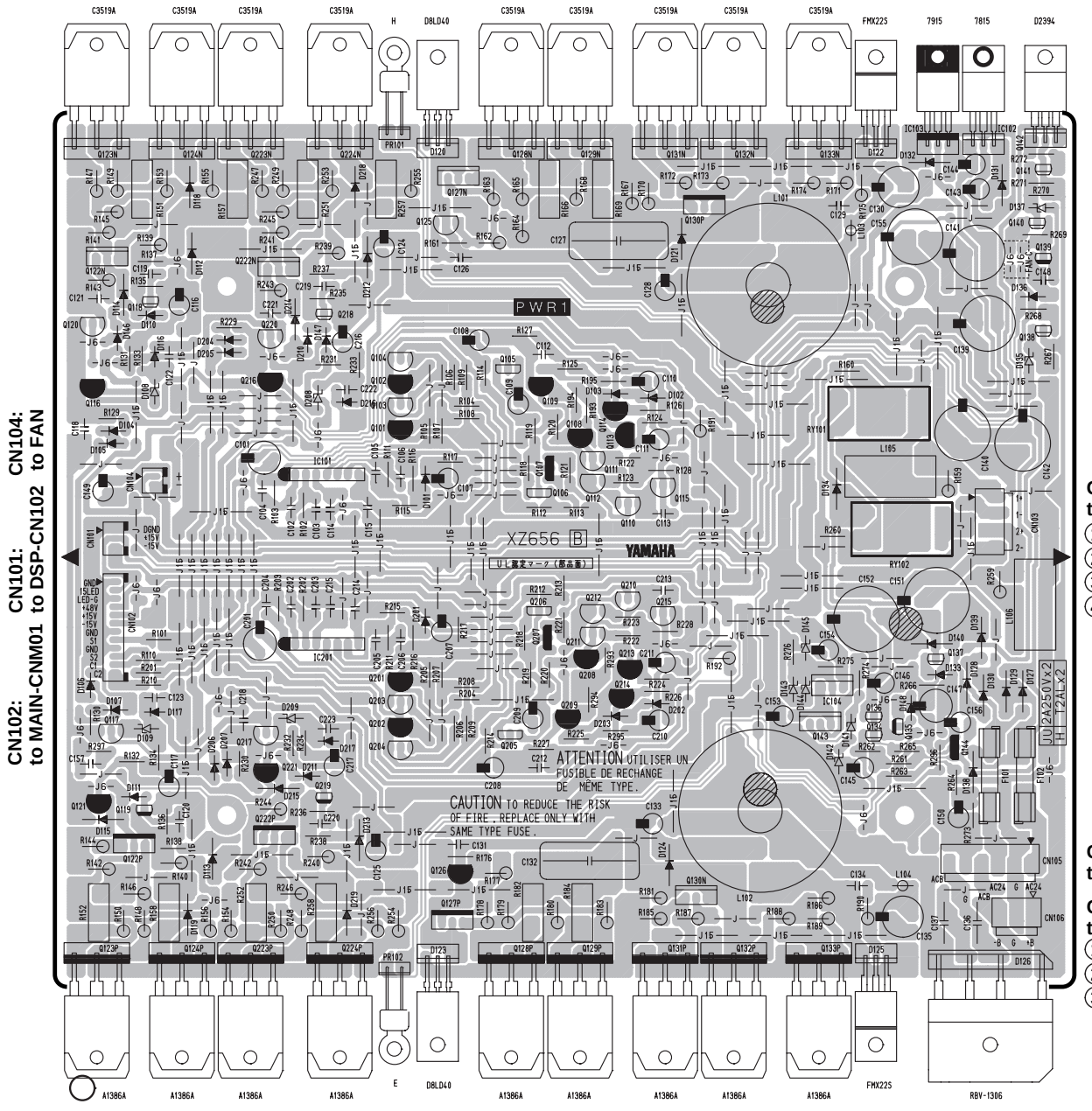
Component side



Pattern side

3NA-V698320 /2

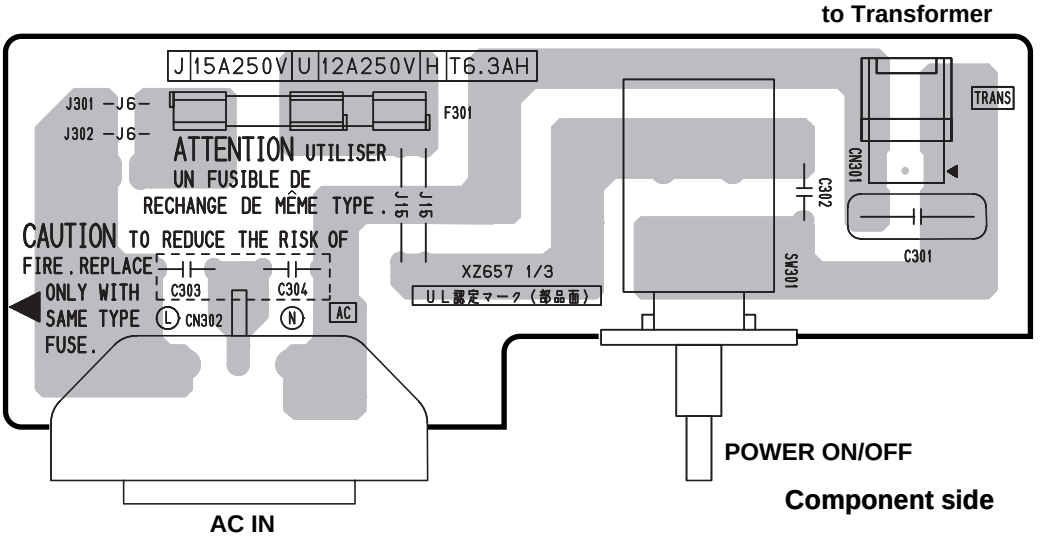
• PWR1 Circuit Board



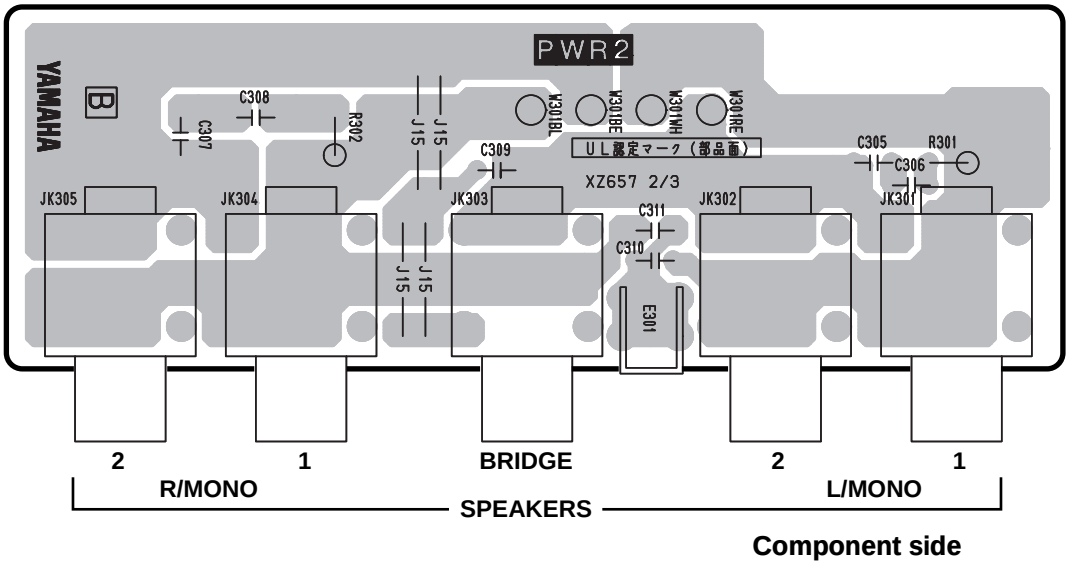
Component side

3NA-V698330 ⚠2

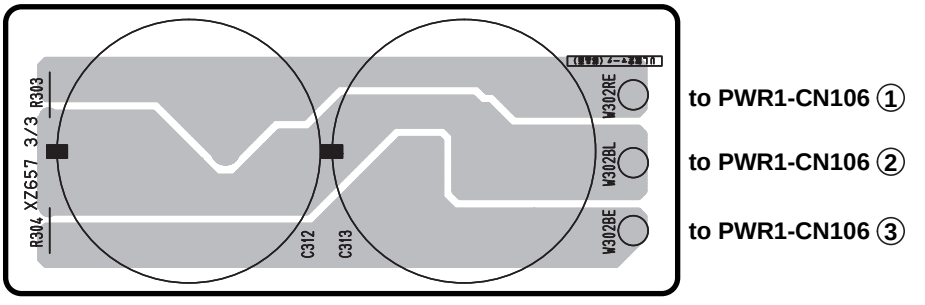
• **PWR2 1/3 Circuit Board**



• **PWR2 2/3 Circuit Board**



• **PWR2 3/3 Circuit Board**



INSPECTIONS

A. INSPECTION OF MIXER SECTION

1. PREPARATIONS

• Unless otherwise specified, the signal to be applied should be 1kHz, -70dBs sine wave and the signal source impedance should be 150 ohm. Also, the load resistance at each output terminal should be of the following values.

CH INSERT OUT, REC OUT	10k ohm
ST1,ST2,MONO,MONO1,MONO2,EFFECT	600 ohm
C-R/PHONES	40 ohm

• The signal level used in this specification is 0 dBs=0.775V

• Unless otherwise specified, set the controls as specified in 1-1 to 1-8 below.

1-1 CH INPUT (CH1~8)

GAIN trim	Minimum
EQ(HIGH, MID, LOW) gain control	CENTER
MNITOR(1, 2)level control	Maximum
EFFECT level control	Maximum
PAN control	CENTER
Fader	Maximum
PFL switch	OFF

1-2 Stereo INPUT (9/10, 11/12)

A/B switch	A
GAIN trim	Minimum
EQ(HIGH, MID, LOW) gain control	CENTER
MONITOR(1, 2) level control	Maximum
EFFECT level control	Maximum
PAN control	CENTER
Fader	Maximum
PFL switch	OFF

1-3 ST SUB IN (1,2)

ST level control	Maximum
MONITOR(1,2) level control	Maximum
PFL switch	OFF

1-4 TAPE IN

ST level control	Maximum
PFL switch	OFF

1-5 DIGITAL EFFECT

ON/OFF switch	OFF
PROGRSM select switch	1
PARAMETER control	Maximum
ST level control	Maximum
MONITOR (1,2) level control	Maximum

1-6 MASTER

ST GRAPHIC EQUALIZER control	CENTER
GRAPHIC EQUALIZER ON switch	OFF
ST1, MONO, MONITOR (1, 2), EFFECT fader	Maximum
ST2, C-R/PHONES level control	Maximum
ST1, MONO, MONITOR (1, 2), EFFECT AFL switch	OFF

1-7 POWER AMP

POWER AMP switch	ST1L-ST1R
POWER AMP (L/BRIDGE, R) level control	Minimum

1-8 PHANTOM

PHANTOM switch	OFF

1-9 Measuring equipment

• The oscillator connected to the balanced type input terminal should be balanced output type with 150 ohm output impedance.
• The input impedance of the oscilloscope, level meter, etc. should be 100k ohms or more.
• The DIN audio filer should be used to measure the noise level.

2. GAIN

In the state as described in 1 above, check that the output level within the range specified in Tables 2-1 to 2-7 can be obtained at each output terminal.

[Table 2-1] Input terminal CH1 to CH8 [Unit: dBs]

Input	Input level	GAIN Trim	INSERT OUT *2	ST1,2 OUT(L,R)	MONO OUT	MONI 1,2 OUT	EFFECT OUT	REC OUT (L,R)	C-R/PHONES OUT *3
MIC	-60	MAX	0 +/- 2	+1 +/- 2	+4 +/- 2	+4 +/- 2	+10 +/- 2	-10.8 +/- 2	+8.5 +/- 2
	-16	MIN	—	+1 +/- 2 ST1(L) *1	—	—	—	—	—
LINE	-34	MAX	—	+1 +/- 2 ST1(L) *1	—	—	—	—	—
	+10	MIN	—	+1 +/- 2 ST1(L) *1	—	—	—	—	—
INSERT *2	0	—	—	+1 +/- 2 ST1(L) *1	—	—	—	—	—

*1: Measure the display output only.
*2: Measure CH1 to CH4 only.
*3: Turn on the PFL switch of the channel to which the signal was input.

[Table 2-2] Input terminal CH9/10, 11/12 [Unit: dBs]

Input	Input level	A/B Switch	GAIN Trim	ST1 OUT (L,R)	MONI 1,2 OUT	EFFECT OUT	C-R/PHONES OUT *2
A-L/MONO	-34	A	MAX	+1 +/- 2	+7 +/- 2	+13 +/- 2	+8.5 +/- 2
A-R				+1 +/- 2 ST1(R) *1	+1 +/- 2 MONI 1 *1	+7 +/- 2	+8.5 +/- 2
A-L/MONO	+10		MIN	+1 +/- 2 ST1(L) *1	—	—	—
A-R				+1 +/- 2 ST1(R) *1	—	—	—
B-L	-34	B	MAX	+1 +/- 2 ST1(L) *1	—	—	—
B-R	+10		MIN	+1 +/- 2 ST1(R) *1	—	—	—

*1: Measure the display output only.
*2: Turn on the PFL switch of the channel to which the signal was input.

[Table 2-3] Input terminal ST SUB IN [Unit: dBs]

Input	Input level	ST1 OUT (L)	ST1 OUT (R)	MONI 1,2 OUT	C-R/PHONES OUT *1
L/MONO	+4	+4 +/- 2	+4 +/- 2	+7 +/- 2	+3.5 +/- 2 *2
R		—	+4 +/- 2	+1 +/- 2	+3.5 +/- 2 *2

*1: Turn on the PFL switch of the SUB IN to which the signal is input.
*2: The input level should be -6dBs.

[Table 2-4] Input terminal TAPE IN [Unit: dBs]

Input	Input level	ST1 OUT (L)	ST1 OUT (R)	C-R/PHONES OUT *1
L	-7.8	+4 +/- 2	—	+3.5 +/- 2 *2
R		—	+4 +/- 2	+3.5 +/- 2 *2

*1: Turn on the PFL switch.
*2: The input level should be -17.8dBs.

• In the state as described in 1 above, input the signal of the following level to MIC IN of CH1 and turn on each AFL switch. Then check that the output as described in [Table 2-5] is obtained at C-R/PHONES OUT (L, R).

[Table 2-5] AFL switch [Unit: dBs]

Input level	GAIN Trim	ST1 OUT (L,R)	MONO OUT	MONITOR 1,2 OUT	EFFECT OUT
-40	MIN	-7.0 +/- 2	-4.0 +/- 2	-4.0 +/- 2	+2.0 +/- 2

3. FREQUENCY RESPONSE

• In the state as described in 2, input a signal at the frequency of 20Hz and 20kHz and check that the output level at each output terminal is within the range of +1.0/-3.0dB with 1kHz used as a reference frequency. At 20Hz with GAIN trim at the maximum position only, however, the output level should be within the range of +1dB/-4.5dB. Also, check the output level at SUB IN for C-R/PHONES.

4. EQUALIZER CHARACTERISTICS

• In the state as described in 1, move each of LOW, MID and HIGH of INPUT controls and check that the output level of the frequency obtained at ST1 OUT (L, R)falls within the range given in [Table 4-1] with the output level obtained at the center click position used as a reference.

• If the output level at a specified frequency does not fall within the range given in [Table 4-1], vary the frequency of the input signal within the range of specified frequency +/- 20% and check that the output level within the range of [Table 4-1] is obtained.

[Table 4-1] EQ characteristics [Unit: dBs]

Control	GAIN	Input signal frequency	Variation width
HIGH	MAX	10kHz	+12 +/- 2
	MIN		-12 +/- 2
MID	MAX	2.5kHz	+14 +/- 2
	MIN		-14 +/- 2
LOW	MAX	100Hz	+12 +/- 2
	MIN		-12 +/- 2

5. GRAPHIC EQUALIZER CHARACTERISTICS

• In the state as described in 1, move the fader of GEQ and check that the output level of the frequency obtained at ST1 OUT (L, R) falls within the range given in [Table 5-1] with the output level obtained at the center click position used as a reference. If the output level at a specified frequency does not fall within the range given in [Table 5-1], vary the frequency of the input signal within the range of specified frequency +/- 20% and check that the output level within the range of [Table 5-1] is obtained.

[Table 5-1] GRAPHIC EQUALIZER characteristics [Unit: dBs]

Fader name	125	250	500	1K	2K	4K	8K
Input signal frequency	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
FADER MAX	+12 +/- 2						
FADER MIN	-12 +/- 2						

6. PEAK LED LIGHTING LEVEL

• In the state as described in 1, input a signal to MIC IN or L/MONO IN and check that the PEAK LED lights up at the input signal level as in [Table 6-1].

[Table 6-1] PEAK LED lighting level [Unit: dBs]

Input channel	CH1~8 (MIC IN)	CH9/10, 11/12 (L/MONO)
Input signal level	-43 +/- 2	-17 +/- 2

7. METER LIGHTING LEVEL

Check that when the output level of ST1 OUT (L, R) is as in[Table 7-1], each corresponding METER LED lights up.

[Table 7-1] METER lighting level [Unit: dBs]

LED name	PEAK	+8	+5	+3	+1	0	-1
Lighting start level	+17 +/- 2	+12 +/- 2	+9 +/- 2	+7 +/- 2	+5 +/- 2	+4 +/- 2	+3 +/- 2
LED name	-3	-5	-7	-10	-15	-20	—
Lighting start level	+1 +/- 2	-1 +/- 2	-3 +/- 2	-6 +/- 2	-11 +/- 3	-16 +/- 5	—

8. DISTORTION FACTOR

- In the state as described in 1, check that the distortion factor when +14dBs output is obtained at each output terminal is 0.1% or less (except for REC OUT and INSERT OUT).
- In the case of C-R/PHONES OUT, set the 12 o'clock point of the level control to the Norminal position and the master fader control to 5 on the scale. In this state, check that the distortion factor when +3dBs output is obtained is 0.2% or less.
- When taking measurements in [Table 2-1] and [Table 2-2], set the GAIN trim of the channel being measured only to the maximum position but the GAIN trim of other channels to the minimum position.
- When taking measurements in [Table 2-3] and [Table 2-4], set the GAIN trim of the channels to the minimum position.

9. MAXIMUM OUTPUT

- In the state as described in 8 above, check that +20dBs output with 1% or less distortion factor is obtained at ST1 OUT (L, R), ST2 OUT (L, R), MONO OUT, MONI 1 OUT, MONI 2 OUT and EFFECT OUT. Also, check that +8dBs output with 1% or less distortion factor is obtained at C-R/PHONES (L, R) OUT.

10. EIN

- In the state as described in 1, set only the fader and GAIN trim of the input channel to be measured to the maximum position and the fader of all the other input channels to the minimum position and short MIC IN with 150 ohm. Then check the noise level obtained at ST1 OUT (L). It should be -65.5dBs or less. If it exceeds -65.5dBs, calculate the input converted noise level and check that the result is 126.5dBs or less. (Use the DIN audio filter.)

11. RESIDUAL NOISE

- In the state as described in 1., set all Fader/Level controls in the input section to the minimum position. Then set the Fader/Level controls in the MASTER section in [Table 11-1]to the maximum or minimum position and check that the noise level is at the level indicated in [Table 11-1] or less.

[Table 11-1] Residual noise [Unit: dBs]

Fader or Level control	ST1,2 OUT (L,R)	MONO OUT	MONI 1,2 OUT	EFFECT OUT	C-R/PHONES OUT
Maximum	-87	-87	-87	-83	-78
Minimum	-95.5	-95	-95	-95	-97

12. PHANTOM POWER SUPPLY (+48V)

- Connect a 10k ohms load resistance between pins 1 and 2 of MIC IN to short-circuit between signals 2 and 3. Then check that +35 +/- 3 V voltage is obtained at both ends of the load resistance when the PHANTOM switch is turned on.

13. DIGITAL EFFECT

- In the state as described in 1, input -16 dBs/1kHz signal to MIC IN of channel 1, set MONI 1, 2 level controls of channel 1 to the minimum position and check that -30dBs or more signal is obtained at MONI 1, 2 OUT when the DIGITAL EFFECT switch is turned on. Also, check that a signal in the same range is obtained when the PARAMETER control is set to the minimum position. Change the PROGRAM select switch to 2 to 16 and perform the same check.
- Check that the EFFECT function works when the signal from the music source is input.
- Check that the DIGITAL EFFECT function can be turned on and off using the foot switch.
- In the state as described in 1, change all the channel fader settings to the minimum position. Then turn on the DSP switch and check that the noise level at ST1 OUT (L, R) is -61dBs or less. (Use the DIN audio filter.)

14. STABILITY

- Connect 10pF to 0.1μF capacitance in parallel with the load resistance at each output terminal and check that no abnormality such as oscillation occurs.
- Set all the VR and EQ controls to the maximum position and check that no abnormality such as oscillation occurs. Be sure to connect a load resistance to the power amplifier for this check.

B. INSPECTION OF POWER AMPLIFIER

● INSPECTION AT ST1L-ST1R

1 PREPARATIONS

- Input terminal: ST SUB IN 1 L/MONO
- POWER AMP Switch : ST1L-ST1R
- POWER AMP (L/BRIDGE, R) level control:MAX
- Output terminal: SPEAKER L (1), SPEAKER R (1)
- Load resistance: 40 ohm (300W or more)

  Unless otherwise specified, the load resistance of the speaker should be connected only when checking the power amplifier.
- Set all the Fader/Level controls of channels1 to 10, SUB IN 2 and TAPE IN to the minimum position.
- Other than the above, use the same setting as described under PREPARATIONS for inspection.

2 Muting function at power ON

- Check that the muting function is cancelled and the relay turns on at 2.5 +/- 1 seconds after the POWER switch is turned on.

3 Fan

- Short-circuit the 2 jumper wires within the frame (between C141 and Q139) marked FAN-C in the PWR circuit board and check that the fan runs at a low speed.

4 DC voltage at output terminal

- Ground the input terminal and check that the DC voltage at the output terminal is 0 +/- 100mV.

5 GAIN

- Input a -9.0 dBs signal to the input terminal and check that the output level of measured gain is as specified in Table 5-1 when the POWER AMP switch setting is changed.

[Table 5-1] Gain [Unit: dBs]

POWER AMP switch	ST1L-ST1R	MONI 1-MONO
SPEAKER L (1,2)	+20.0 +/- 2.0	+23.0 +/- 2.0
SPEAKER R (1,2)	+20.0 +/- 2.0	+23.0 +/- 2.0

6 FREQUENCY RESPONSE

- Input 20Hz, 1kHz, 20kHz/-9.0dBs sine wave signals to the input signal and check that the frequency response at 20Hz and 20kHz is within the range of +1.0/-3.0dB with 1kHz used as a reference.

7 TOTAL HARMONIC DISTORTION

- Input a 1kHz signal to the input terminal and check that the total harmonic distortion is 0.5% or less when 300W + 300W/4 ohm (33.0dBs) output is obtained.
- Also, input 20Hz, 2kHz and 20kHz signals to the input terminal and check that the total harmonic distortion is 0.5% or less when 150W + 150W/4 ohm (30.0dBs) signal is obtained at the output terminal.

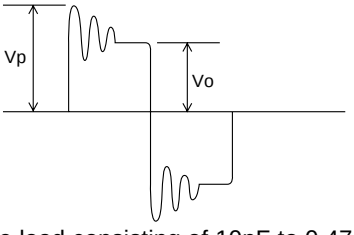
8 RESIDUAL NOISE

- Set the POWER AMP L/BRIDGE, POWER AMP R level controls to the minimum position and check that the noise level at the output terminal is -62dBs. Use care so that the measurement is not affected by the induction noise. (Use the DIN audio filter.)

9 STABILITY

- With 10kHz • -3.2dBs rectangular signal input, connect 10pF to 0.47 μ F capacitance in p parallel with 4 ohm load resistance or 10 μ H to 0.47H inductance and check that the following items are satisfied.

  Overshoot: Vp/Vo ≦ 1.8
  Ringing: Within 5 waves



- Disconnect 4 ohm load resistance to make the load consisting of 10pF to 0.47 μ F capacitance only, check that ringing is within 7 waves at Vp/Vo ≦ 2.5 and no oscillation or the like occurs.

10 PROTECTION CIRCUIT

- With a signal input to POWER AMP IN (L), clip the output waveform of the 10Hz signal and check that the protection circuit functions to prevent the relay from opening.
- Check that the protection circuit functions within 2 seconds to shut off the output when a 1Hz, Vp-p=10V(13.2dBs) signal is input and the output is restored automatically within 5 seconds when the input signal is stopped.

11 PC LIMITER CIRCUIT, LIMITER CIRCUIT, LIMITER INDICATOR

- With 1 ohm load resistance (+/- 5%, 100W) connected to the output terminal, input a 0dBs signal to the input terminal and observe the output terminal using an oscilloscope. Then the protection circuit should function to shut off the output and the output is restored automatically within 5 seconds when the input signal is stopped.

12 EFFICIENCY

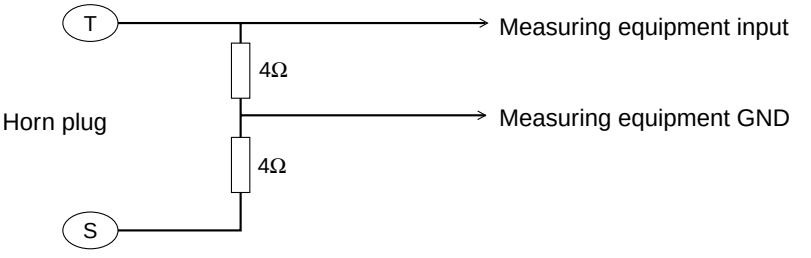
- Input a -5.6dBs signal and check that the primary voltage is 190 +/- 50W. 12.2V (24.0dBs) output should be obtained at SPEAKER OUT 1 and 2 at this time.

● INSPECTION OF MAIN BRIDGE

1 PREPARATIONS

- Input terminal: ST BUS IN 1 L/MONO
- POWER AMP Switch : MONO BRIDGE
- POWER AMP (L/BRIDGE, R) level control : Maximum
- Output terminal: BRIDGE
- Load resistance: 8 ohm (600W or more)
  Unless otherwise specified, the load resistance of the speaker should be connected only when performing inspection.
- Set all the Fader/Level controls of channels 1 to 10, SUB IN 2 and TAPE IN to the minimum position.
- Other than the above, use the same settings as described under “Inspection 1” for inspection.

- Connection of measuring equipment



2 GAIN

- Input a -12.0dBs signal to the input terminal and check that +20.0 +/- 2 dBs output is obtained.

3 FREQUENCY RESPONSE

- Input 20Hz, 1kHz, 20kHz/-12.0dBs signals to the input terminal and check that the frequency response at 20Hz and 20kHz is within the range of +1.0/-3.0dB with 1kHz used as a reference.

C. OTHER INSPECTIONS

1 POWER VOLTAGE VARIATION

- Check that no abnormality occurs with operation even when the power voltage is varied by +/- 10%.

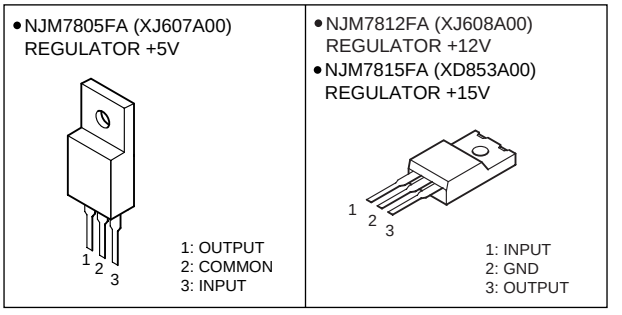
D. FACTORY SETTINGS

• EQ GAIN, GEQ GAIN	CENTER
• All VR and fader controls other than above	Minimum
• All push switches	OFF
• PHANTOM switch	OFF
• POWER AMP switch	ST1L-ST1R
• POWER AMP LEVEL VR	Maximum
• POWER switch	OFF
• PROGRAM switch	1

■ CIRCUIT DIAGRAMS

■ CONTENTS

CIRCUIT DIAGRAM 1/9 (MAIN 1/5) C1
CIRCUIT DIAGRAM 2/9 (MAIN 2/5) C2
CIRCUIT DIAGRAM 3/9 (MAIN 3/5) C3
CIRCUIT DIAGRAM 4/9 (MAIN 4/5) C4
CIRCUIT DIAGRAM 5/9 (MAIN 5/5) C5
CIRCUIT DIAGRAM 6/9 (DSP) C6
CIRCUIT DIAGRAM 7/9 (PWR1 1/2) C7
CIRCUIT DIAGRAM 8/9 (PWR1 2/2) C8
CIRCUIT DIAGRAM 9/9 (PWR1/3, 2/3, 3/3) C9

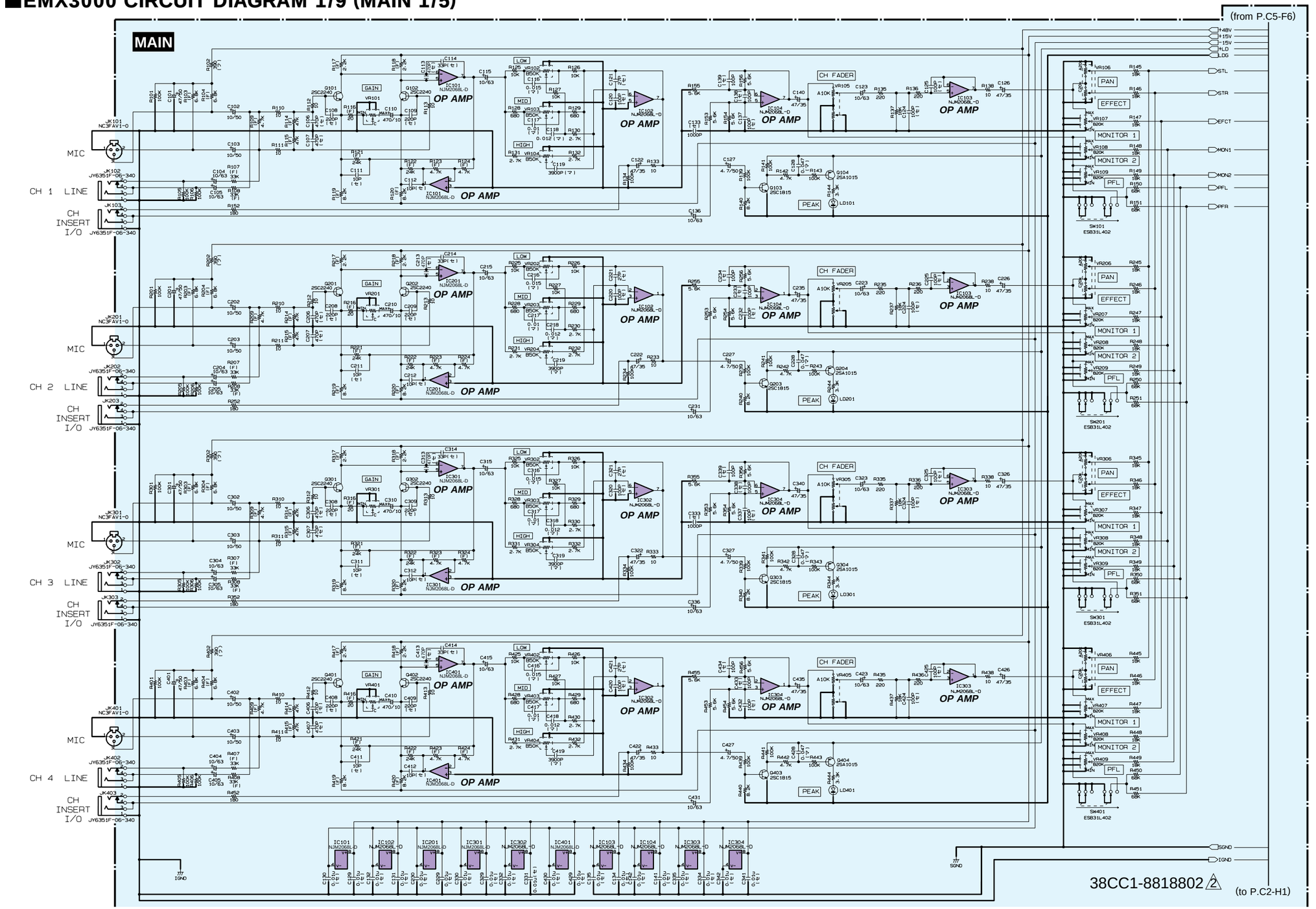


（F）: **Metal Film Resister**
（フ）: **Flame Proof Carbon Resistor**
（マ）: **Mylar Capacitor**
（セ）: **Ceramic Capacitor**
規格認定コン : **Capacitor**

Note : See parts list for details of circuit board component parts.

■EMX3000 CIRCUIT DIAGRAM 1/9 (MAIN 1/5)

EMX3000



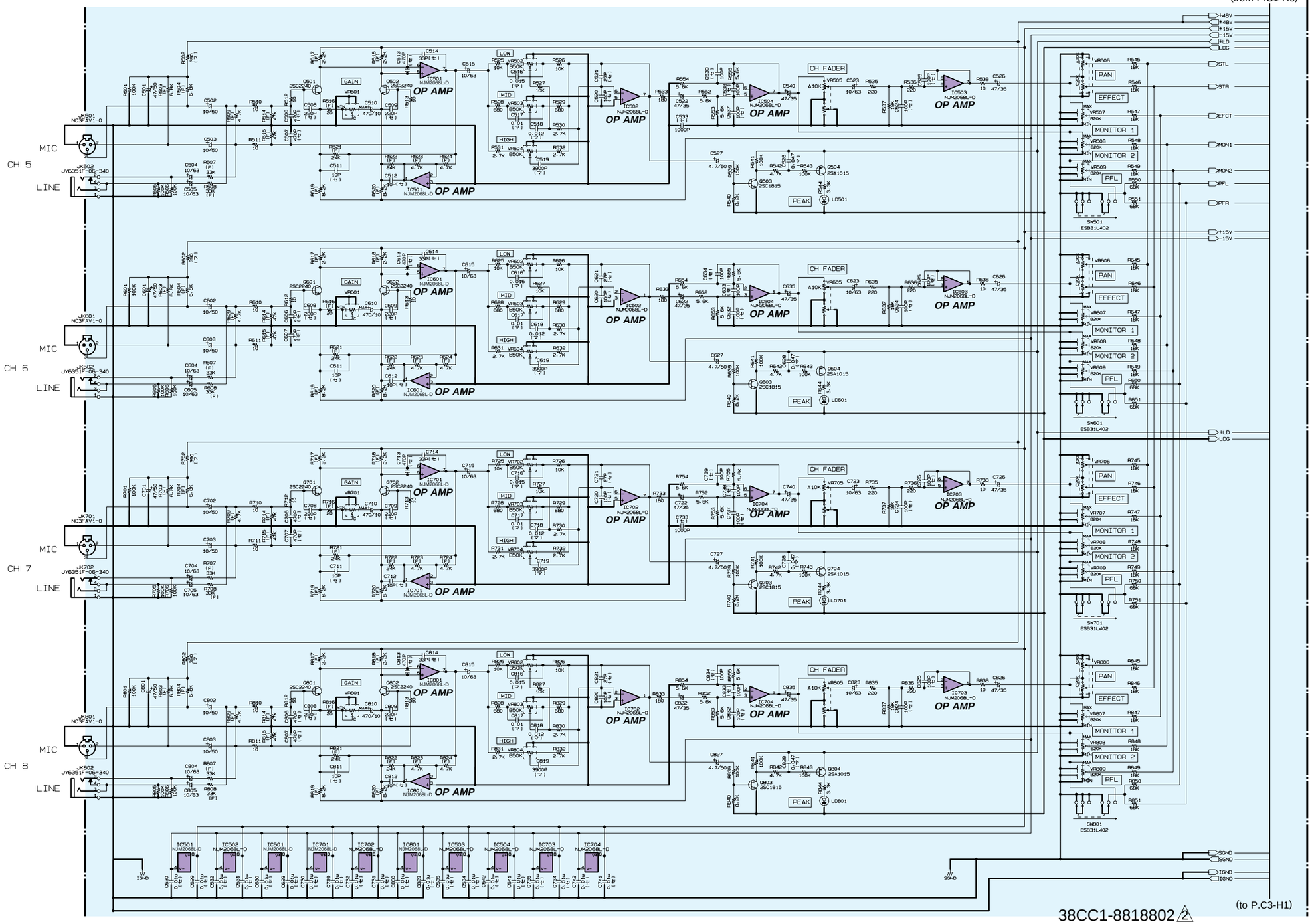
EMX3000

EMX3000

C1

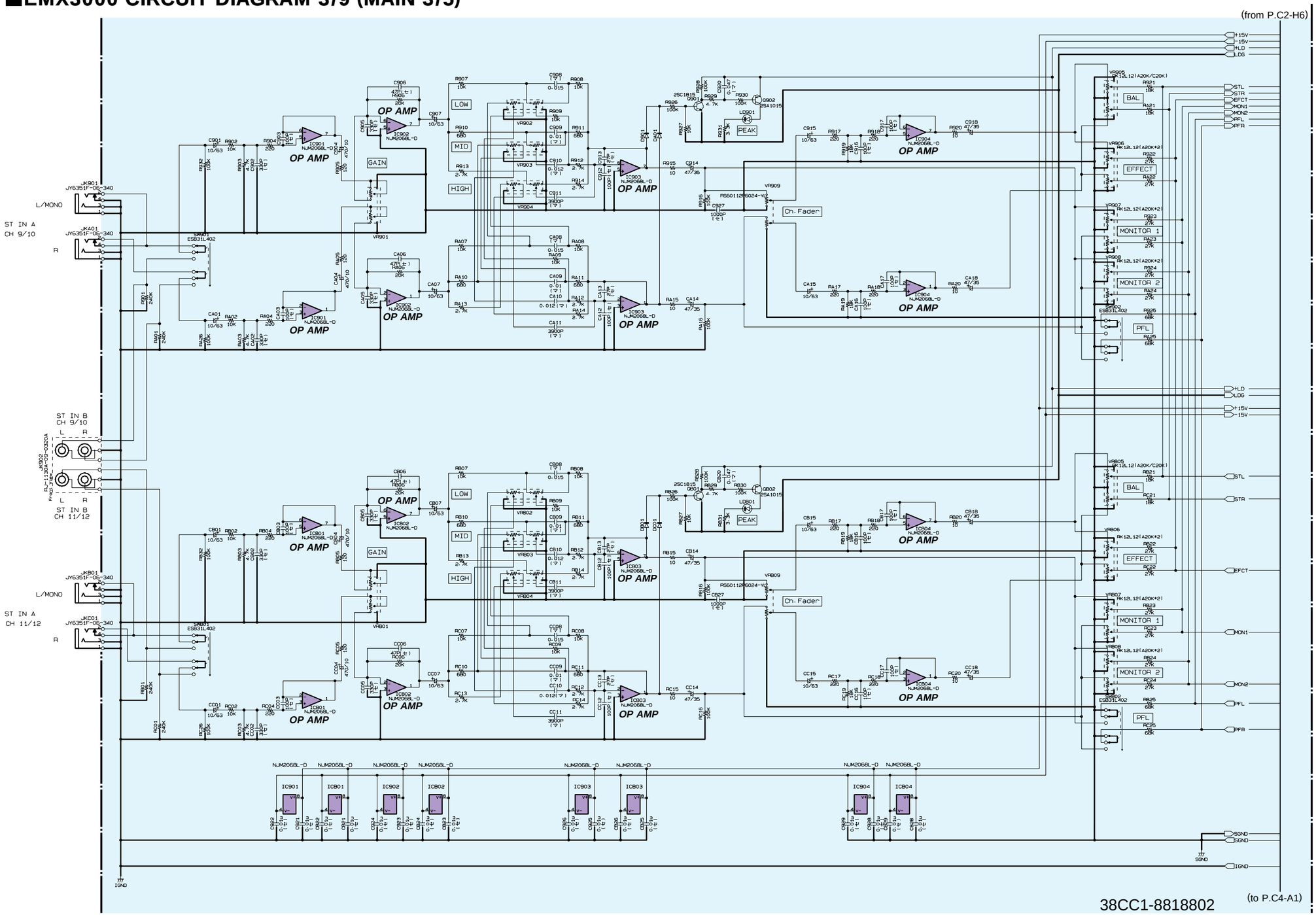
■EMX3000 CIRCUIT DIAGRAM 2/9 (MAIN 2/5)

(from P.C1-H6)

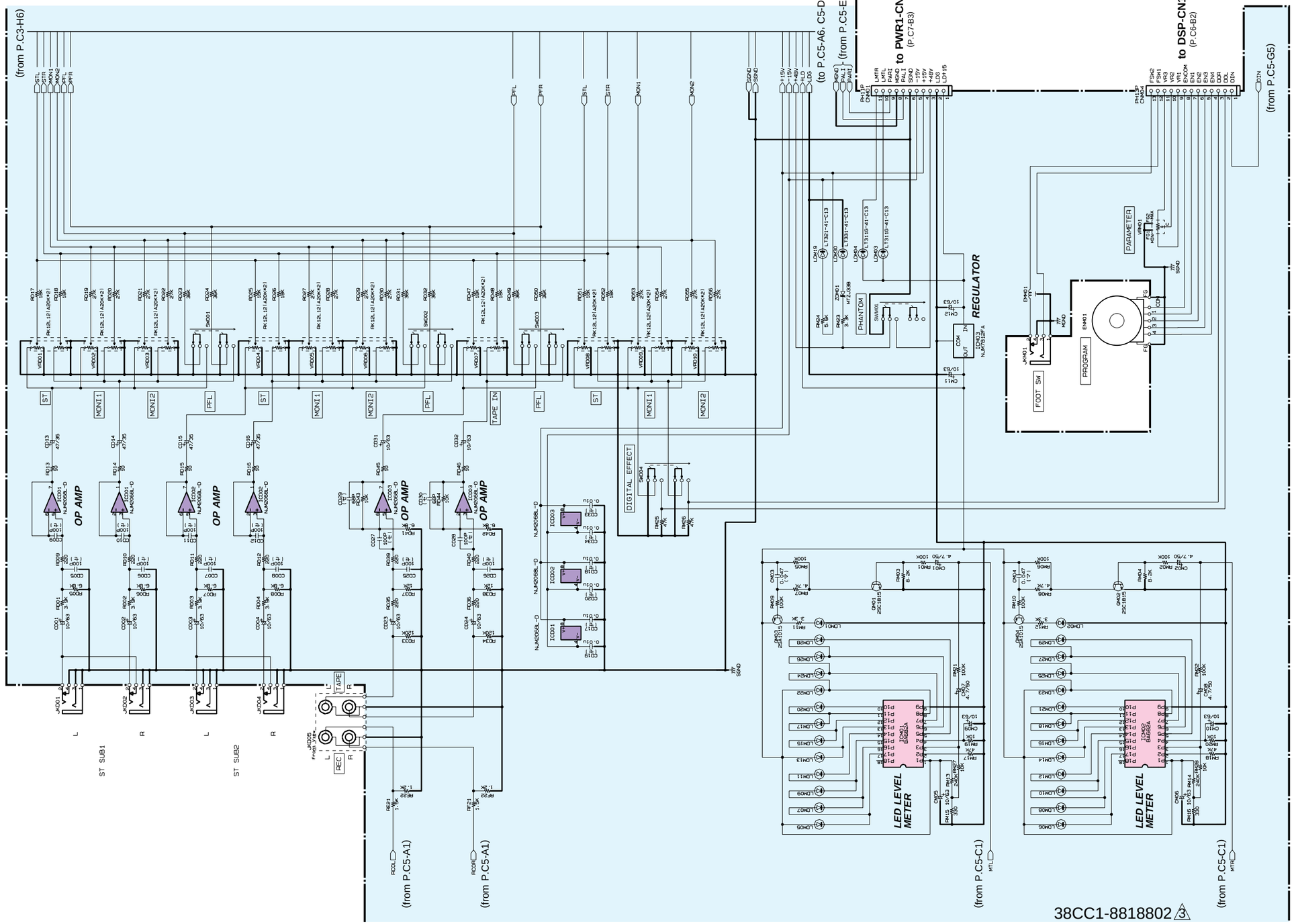


38CC1-8818802 2

■EMX3000 CIRCUIT DIAGRAM 3/9 (MAIN 3/5)

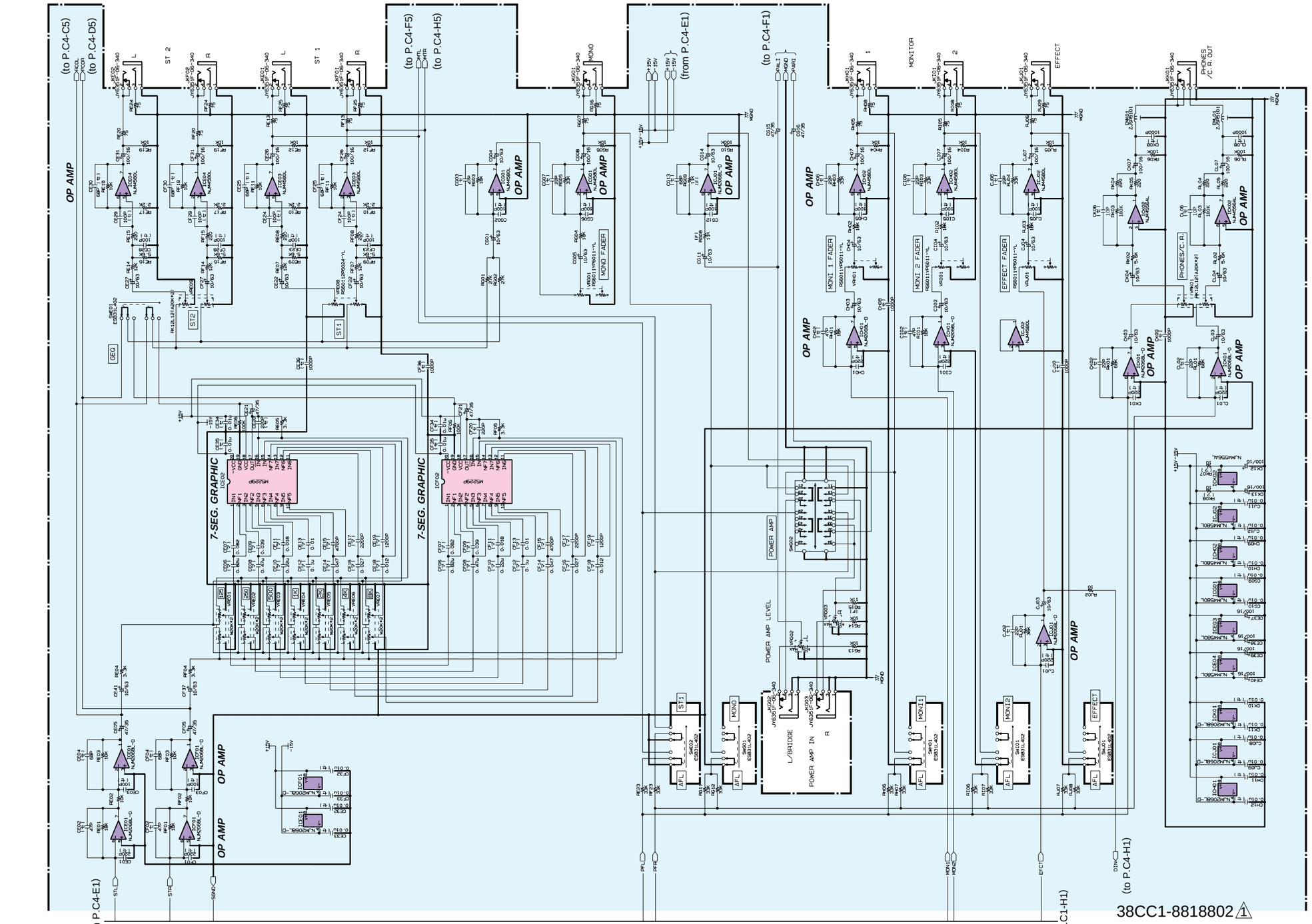


■EMX3000 CIRCUIT DIAGRAM 4/9 (MAIN 4/5)



EMX3000

■EMX3000 CIRCUIT DIAGRAM 5/9 (MAIN 5/5)



■EMX3000 CIRCUIT DIAGRAM 6/9 (DSP)

DSP

to MAIN-CNM04
(to P.C4-G1)

to PWR1-CN101
(P.C7-B3)

REGULATOR +5V

INVERTER

OP AMP

OP AMP

ADA

MCU

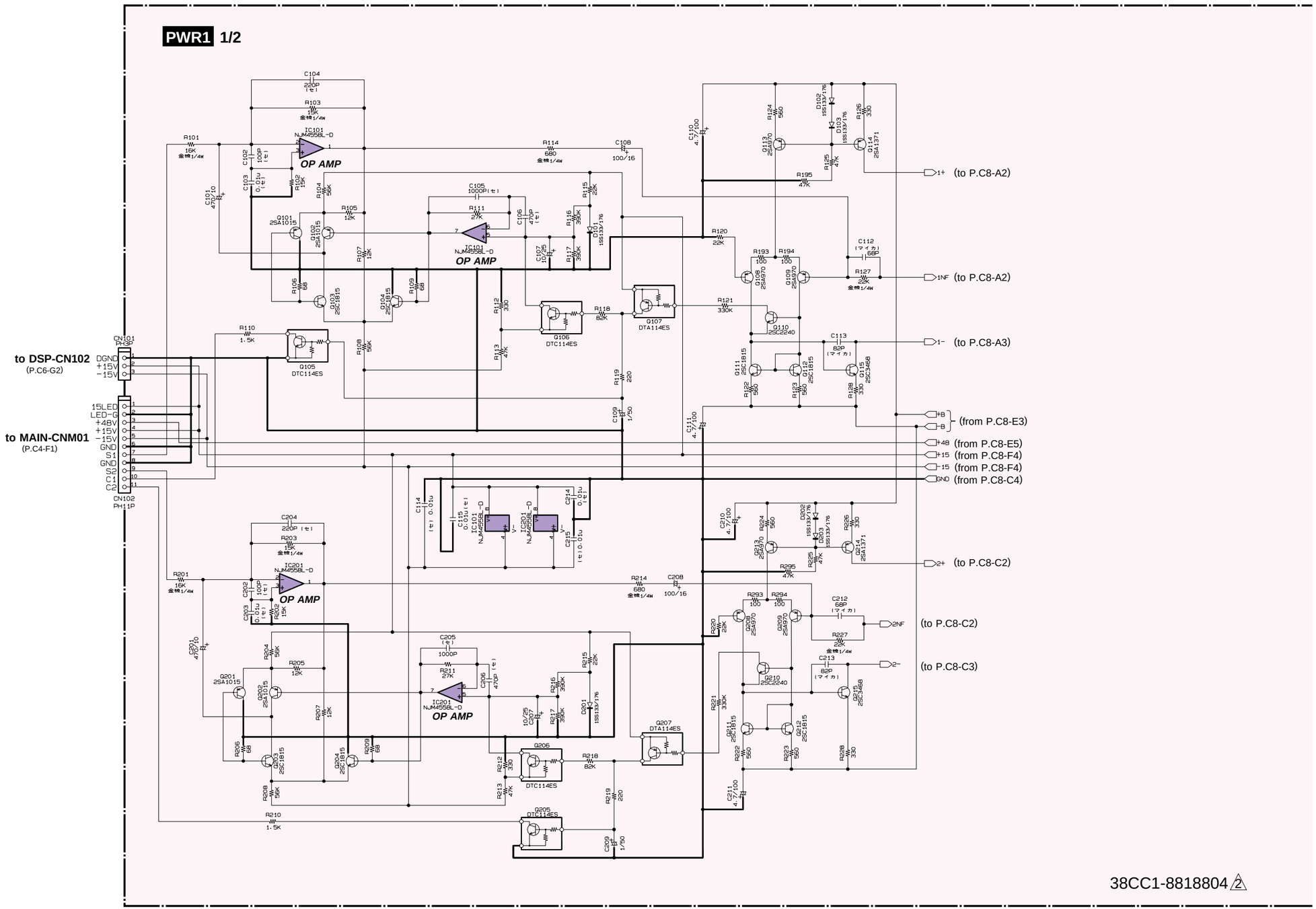
DRAM

38CC1-8818803

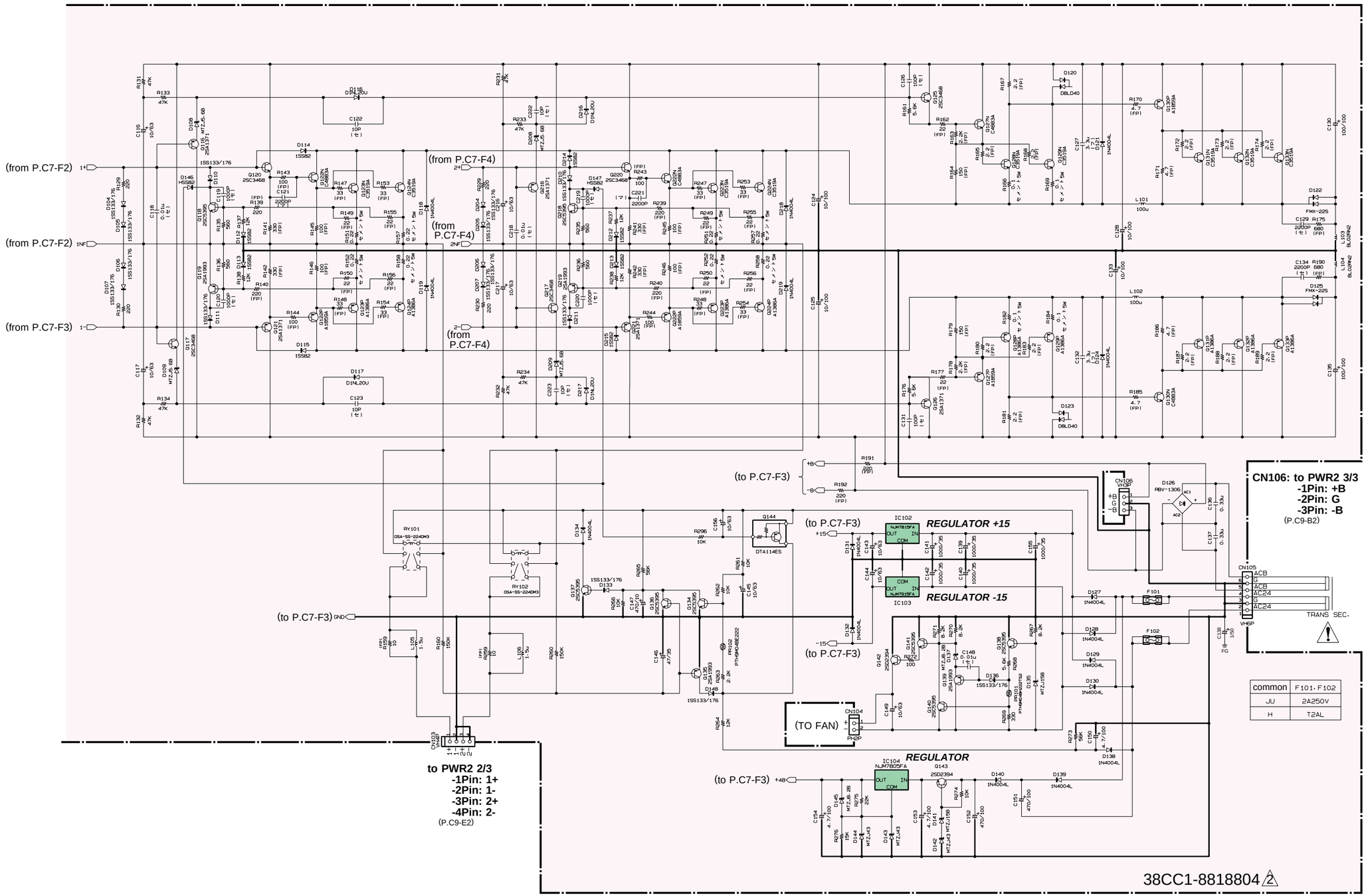
EMX3000

■EMX3000 CIRCUIT DIAGRAM 7/9 (PWR1 1/2)

PWR1 1/2

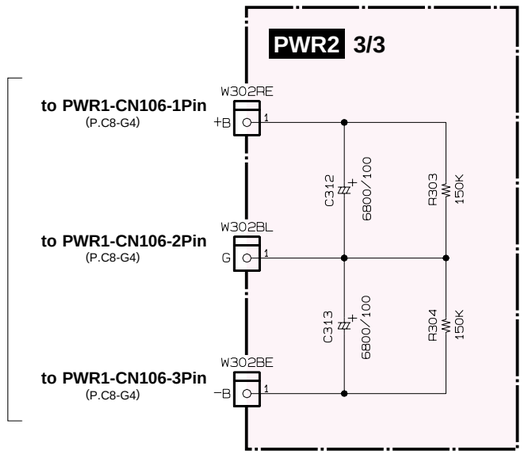


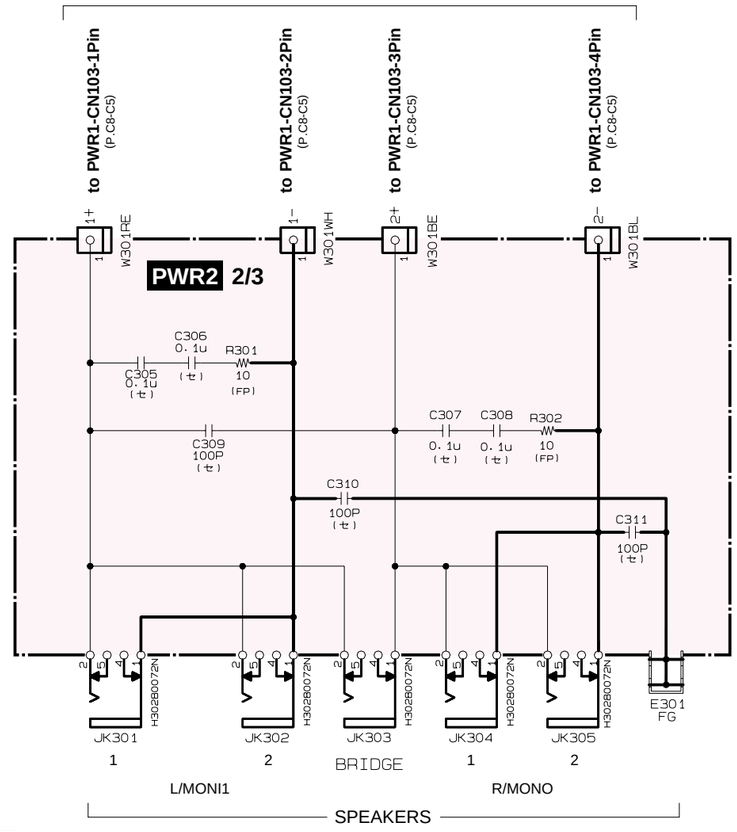
■EMX3000 CIRCUIT DIAGRAM 8/9 (PWR1 2/2)

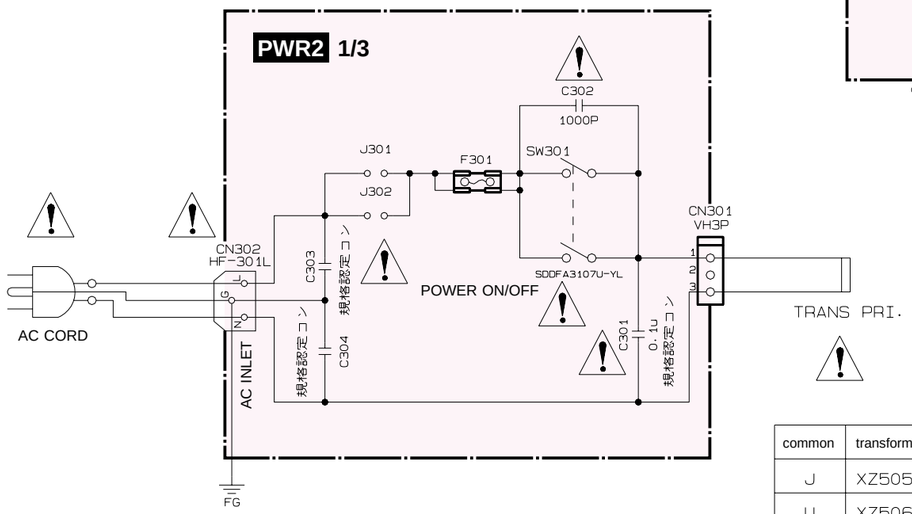


EMX3000

■EMX3000 CIRCUIT DIAGRAM 9/9 (PWR2 1/3, 2/3, 3/3)







common	transformer	F301	C303・C304
J	XZ505	15A250V	−
U	XZ506	12A250V	3300p
H	XZ507	T6.3AH	4700p
A	XZ508		

38CC1-8818805

POWERED MIXER

EMX3000

PARTS LIST

CONTENTS

OVERALL ASSEMBLY 2
ELECTRICAL PARTS 5

Notes : DESTINATION ABBREVIATIONS

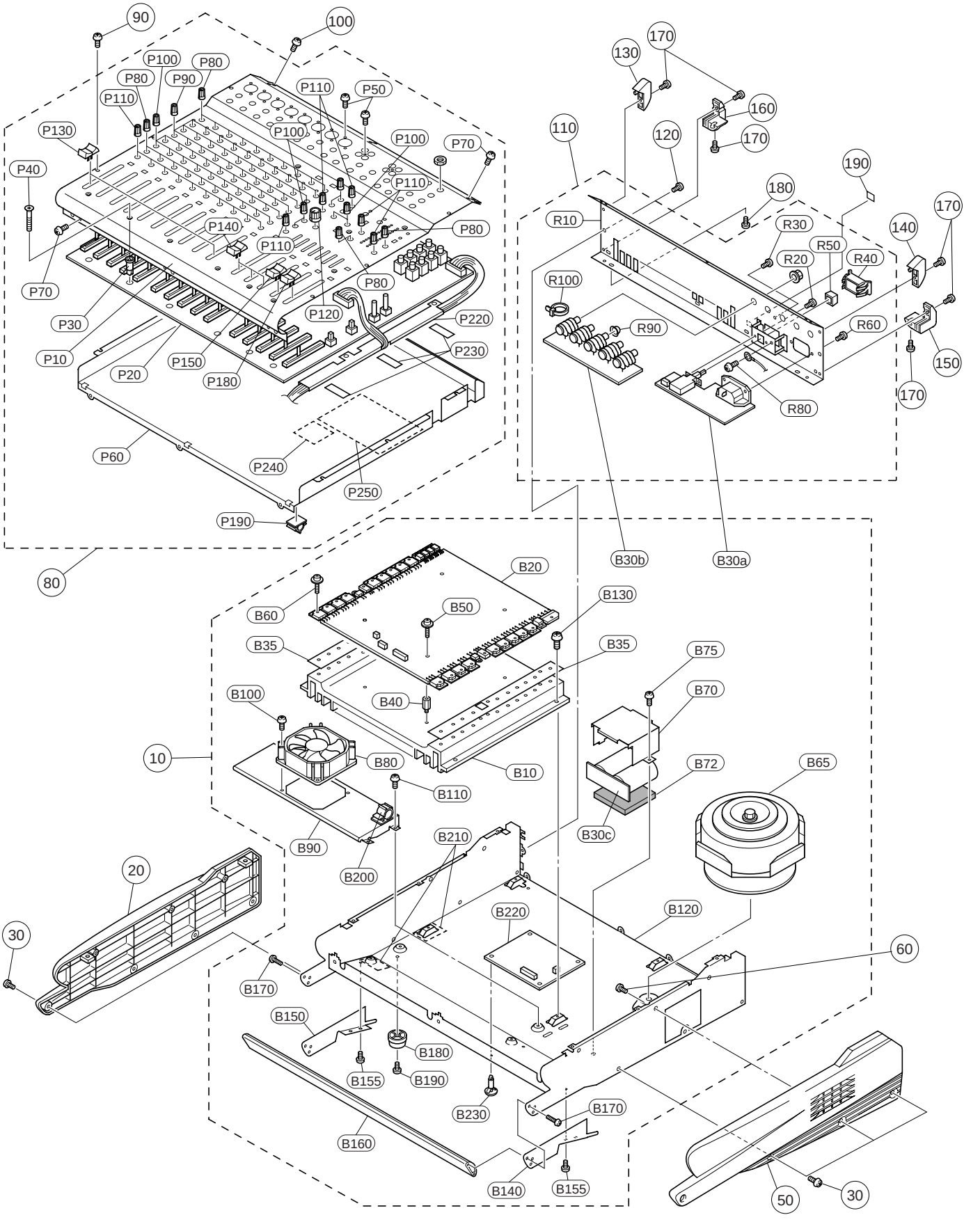
A : Australian model	M : South African model
B : British model	O : Chinese model
C : Canadian model	Q : South-east Asia model
D : German model	T : Taiwan model
E : European model	U : U.S.A. model
F : French model	V : General export model (110V)
H : North European model	W: General export model (220)
I : Indonesian model	N,X: General export model
J : Japanese model	Y : Export model

WARNING

Components having special characteristics are marked ⚠ and must be replaced with parts having specification equal to those originally installed.

- The numbers “QTY” show quantities for each unit.
- The parts with “--” in “PART NO.” are not available as spare parts.
- This mark “ } ” in the REMARKS column means these parts are interchangeable.
- The second letter of the shaded ( ) part number is O, not zero.
- The second letter of the shaded ( ) part number is I, not one.

OVERALL ASSEMBLY



	REF NO.	PART NO.	DESCRIPTION			REMARKS		QTY	RANK
			OVERALL ASSEMBLY			EMX3000			
		--	Overall Assembly	J		J	(V699180)		
		--	Overall Assembly	U		U	(V699190)		
		--	Overall Assembly	H		H	(V699200)		
		--	Overall Assembly	A		A	(V699210)		
	10	--	Bottom Assembly	J		J	(V699230)		
	10	--	Bottom Assembly	U		U	(V699350)		
	10	--	Bottom Assembly	H		H	(V699360)		
	10	--	Bottom Assembly	A		A	(V699370)		
*	20	V6996900	Side Pad L						
	30	EG340190	Bind Head Tapping Screw-B	4.0X8 MFZN2BL				6	01
*	50	V6997000	Side Pad R						
	60	EG340190	Bind Head Tapping Screw-B	4.0X8 MFZN2BL				6	01
	80	--	Panel Assembly	J COM			(V699220)		
	90	EP600230	Bind Head Tapping Screw-B	3.0X6 MFZN2BL				6	01
	100	EG340190	Bind Head Tapping Screw-B	4.0X8 MFZN2BL				6	01
	110	--	Rear Assembly	J		J	(V699380)		
	110	--	Rear Assembly	U		U	(V699390)		
	110	--	Rear Assembly	H		H	(V699400)		
	110	--	Rear Assembly	A		A	(V699410)		
	120	EP600230	Bind Head Tapping Screw-B	3.0X6 MFZN2BL				5	01
	130	VZ700500	Connector Guard Upper	R					02
	140	VZ700600	Connector Guard Upper	L					02
	150	VZ700700	Connector Guard Lower	R					01
	160	VZ700800	Connector Guard Lower	L					01
	170	EP600230	Bind Head Tapping Screw-B	3.0X6 MFZN2BL				6	01
	180	EP600230	Bind Head Tapping Screw-B	3.0X6 MFZN2BL				2	01
	190	--	Cord Label			U	(VA03930)		03
		--	Bottom Assembly	J		J	(V699230)		
		--	Bottom Assembly	U		U	(V699350)		
		--	Bottom Assembly	H		H	(V699360)		
		--	Bottom Assembly	A		A	(V699370)		
		--	Connector Assembly	2426&2426 3P 210L			(V705810)		
		VV104600	Cord Holder					4	01
*	B10	V6786600	Heat Sink						
*	B20	V6983300	Circuit Board	PWR1 J,U		J,U			
*	B20	V6983400	Circuit Board	PWR1 H		H			
*	B30a	AAX24850	Circuit Board	PWR2 1/3		J	(V698350)		
*	B30a	AAX24860	Circuit Board	PWR2 1/3		U	(V698360)		
*	B30a	AAX24870	Circuit Board	PWR2 1/3		H,A	(V698370)		
*	B30b	AAX24880	Circuit Board	PWR2 2/3			(V698350)		
*	B30c	AAX24890	Circuit Board	PWR2 3/3			(V698350)		
*	B35	V6995900	Isolation Sheet					2	
	B40	VV086500	Angle	H=7.4 B=5.5				4	01
	B50	EG330290	Bind Head Screw	SP 3.0X8 MFZN2Y				4	01
	B60	VJ470900	Pan Head Screw	SPK 3.0X12 MFZN2Y				28	
⚠ *	B65	XZ505A00	Power Transformer	J		J			
⚠ *	B65	XZ506A00	Power Transformer	U		U			
⚠ *	B65	XZ507A00	Power Transformer	H		H			
⚠ *	B65	XZ508A00	Power Transformer	A		A			
	B70	--	Electrolytic Cap. Holder				(V703370)		
	B72	--	Cushion				(V739410)		
	B75	EP600230	Bind Head Tapping Screw-B	3.0X6 MFZN2BL				2	01
	B80	V6024100	DC Fan	3110GL-B5W-B50-H01					08
	B90	--	Fan Shield				(V699610)		
	B100	EG340190	Bind Head Tapping Screw-B	4.0X8 MFZN2BL				2	01
	B110	EP600230	Bind Head Tapping Screw-B	3.0X6 MFZN2BL				4	01
*	B120	V6996200	Bottom Chassis						
	B130	EG340190	Bind Head Tapping Screw-B	4.0X8 MFZN2BL				4	01
	B140	VZ523600	Plate	R					04
	B150	VZ523700	Plate	L					04
	B155	EP600230	Bind Head Tapping Screw-B	3.0X6 MFZN2BL				4	01
*	B160	V6996300	Handle						
	B170	VQ074600	Bind Head Tapping Screw-B	3.0X12 MFZN2BL				4	01
	B180	VV085600	Leg					2	01
	B190	VR138400	Bind Head Tapping Screw-B	4.0X12 MFZN2BL				2	01
	B200	VZ765100	Cord Holder	TS-0708 KSS					02
*	B210	V7394400	Screw Cover	35X20				2	
*	B220	V6983200	Circuit Board	DSP EMX3K J			(XZ633B0)		

✻: New Parts

RANK: Japan only

	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
	B230	--	PCB Support	SCC-12 BL PINGOOD		(V764330)	4	
		--	Panel Assembly	J COM		(V699220)		
		--	Connector Assembly	2426&2426 12P		(V705820)		
		--	Connector Assembly	2426&2426 13P		(V705830)		
*	P10	**V6995500**	Control Panel					
*	P20	**V6983100**	Circuit Board	MAIN J		(XT783H0)		
	P30	**VV069200**	PCB Support	NEW NIFCO			14	01
	P40	**VV095300**	Pan Head Tapping Screw-B	3.0X25 MFZN2BL			14	01
	P50	**VN413300**	Bonding Screw-B	3.0X8 MFZN2BL			18	01
	P60	--	Shield Plate			(V699560)		
	P70	**EP600230**	Bind Head Tapping Screw-B	3.0X6 MFZN2BL			6	01
	P80	**V6225600**	Knob	L-GRAY/M-GRAY		CH1-12(GAIN,EFFECT), PARAMETER,C-R/PHONES	22	01
	P90	**V6225300**	Knob	GREEN/M-GRAY		CH1-12(HIGH,MID,LOW)	30	01
	P100	**V6225400**	Knob	BLUE/M-GRAY		MONI1,2(CH1-12,ST SUB 1, ST SUB 2,D. EFFECT)	26	01
	P110	**V6225500**	Knob	RED/M-GRAY		PAN(CH1-8),BAL(CH9-12), ST(ST SUB1,2),TAPE IN ST, D. EFFECT ST,ST2	15	01
	P120	**V6225700**	Knob	L-GRAY/D-GRAY		PROGRAM		01
	P130	**V2947000**	Knob	BLACK/N-GRAY		Fader(CH1-12)	10	01
	P140	**V6623300**	Knob	D-RED/CD-GRAY		Fader(MONI1,MONI2,EFFECT)	3	01
	P150	**V6623400**	Knob	N-GRAY/D-RED		ST1 Fader		01
*	P180	**V7369500**	Knob	N-GRAY/BLACK		MONO Fader		
	P190	**VZ765100**	Cord Binder	TS-0708 KSS				02
*	P220	**V7393800**	Cover					
	P230	--	Filament Tape	12X25		(V263830)		
	P240	--	Caution Label			(V385110)		
	P250	--	Transformer Cover			(V765040)		
		--	Rear Assembly	J		J (V699380)		
		--	Rear Assembly	U		U (V699390)		
		--	Rear Assembly	H		H (V699400)		
		--	Rear Assembly	A		A (V699410)		
*	R10	**V6996400**	Rear Panel			J		
*	R10	**V6996500**	Rear Panel			U		
*	R10	**V6996600**	Rear Panel			H		
*	R10	**V6996700**	Rear Panel			A		
	R20	**VB659000**	Bind Head Screw	3.0X8 MFZN2BL			2	01
	R30	**VN413300**	Bonding Screw-B	3.0X8 MFZN2BL				01
	R40	**VU859100**	PSW Escutcheon					02
	R50	**VU859000**	PSW Knob			POWER Switch		01
	R60	**EG340190**	Bind Head Tapping Screw-B	4.0X8 MFZN2BL			2	01
	R80	**VP156800**	Bind Head Screw	4.0X8 MFZN2BL				01
*	R90	**V7646900**	Clip	FIB84 TIFCO				
	R100	**VV104600**	Cord Holder					01
			ACCESSORIES					
⚠		**V6283900**	AC Cord	BS H05VV-F3X0.75		B		
⚠		**V6284300**	AC Cord	UC SJT#18X3		U,V		
⚠		**V6284400**	AC Cord	E H05VV-FX3 0.75		H,W,A		
⚠		**V7240300**	AC Cord	J VCTF 0.75X3		J		

*: New Parts

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■ ELECTRICAL PARTS

	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
			ELECTRICAL PARTS			EMX3000		
*		**V6983300**	Circuit Board	PWR1 EMX3K J,U		J,U (XZ656C0)		
*		**V6983400**	Circuit Board	PWR1 EMX3K H		H (XZ656C0)		
*		**AAX24850**	Circuit Board	PWR2 1/3		J (V698350)(XZ657B0)		
*		**AAX24860**	Circuit Board	PWR2 1/3		U (V698360)(XZ657B0)		
*		**AAX24870**	Circuit Board	PWR2 1/3		H,A (V698370)(XZ657B0)		
*		**AAX24880**	Circuit Board	PWR2 2/3		(V698350)(XZ657B0)		
*		**AAX24890**	Circuit Board	PWR2 3/3		(V698350)(XZ657B0)		
*		**V6983200**	Circuit Board	DSP J		(XZ633B0)		
*		**V6983100**	Circuit Board	MAIN J		(XT783H0)		
*		**V6983300**	Circuit Board	PWR1 EMX3K J,U		J,U (XZ656C0)		
*		**V6983400**	Circuit Board	PWR1 EMX3K H		H (XZ656C0)		
		--	Jumper Wire	0.60		(VV29140)		01
		VV319600	Fuse Holder	CQ-05CT				01
	C101	**UR828470**	Electrolytic Cap.	470.00 10.0V				01
	C102	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
	C103	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
	C104	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
	C105	**VZ353900**	Ceramic Capacitor-B	1000P 50V K				01
	C106	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
	C107	**UR847100**	Electrolytic Cap.	10.00 25.0V				01
	C108	**UR838100**	Electrolytic Cap.	100.00 16.0V				01
	C109	**UR866100**	Electrolytic Cap.	1.00 50.0V				01
	C110	**UR896470**	Electrolytic Cap.	4.7 100.0V				
	C111	**UR896470**	Electrolytic Cap.	4.7 100.0V				
	C112	**FU451680**	Mica Capacitor	68P 500V J				01
	C113	**FU451820**	Mica Capacitor	82P 500V J				01
	C114	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
	C115	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
	C116	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
	C117	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
	C118	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
	C119	**VZ353900**	Ceramic Capacitor-B	1000P 50V K				01
	C120	**VZ353900**	Ceramic Capacitor-B	1000P 50V K				01
	C121	**UA953220**	Mylar Capacitor	2200P 50V J				01
	C122	**V4567500**	Ceramic Capacitor-SL	10P 500V K				
	C123	**V4567500**	Ceramic Capacitor-SL	10P 500V K				
	C124	**UR897100**	Electrolytic Cap.	10.0 100.0V				01
	C125	**UR897100**	Electrolytic Cap.	10.0 100.0V				01
	C126	**V3280500**	Ceramic Capacitor-B	100P 500 K				01
	C127	**VV082200**	Film Capacitor	3.3000 100V M				03
	C128	**UR897100**	Electrolytic Cap.	10.0 100.0V				01
	C129	**VZ354300**	Ceramic Capacitor-E	0.0022 500 M				01
	C130	**V5307900**	Electrolytic Cap.	100 100.0V				
	C131	**V3280500**	Ceramic Capacitor-B	100P 500 K				01
	C132	**VV082200**	Film Capacitor	3.3000 100V M				03
	C133	**UR897100**	Electrolytic Cap.	10.0 100.0V				01
	C134	**VZ354300**	Ceramic Capacitor-E	0.0022 500 M				01
	C135	**V5307900**	Electrolytic Cap.	100 100.0V				
	C136	**V3148500**	Film Capacitor	0.33 250V M				01
	C137	**V3148500**	Film Capacitor	0.33 250V M				01
	C138	**UR866100**	Electrolytic Cap.	1.00 50.0V				01
	C139	**V5482000**	Electrolytic Cap.	1000 35.0V				
	-142	**V5482000**	Electrolytic Cap.	1000 35.0V				
	C143	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
	-145	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
	C146	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
	C147	**UR828470**	Electrolytic Cap.	470.00 10.0V				01
	C148	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
	C149	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
	C150	**UR896470**	Electrolytic Cap.	4.7 100.0V				
	C151	**V3158100**	Electrolytic Cap.	470 100.0V				02
	C152	**V3158100**	Electrolytic Cap.	470 100.0V				02
	C153	**UR896470**	Electrolytic Cap.	4.7 100.0V				
	C154	**UR896470**	Electrolytic Cap.	4.7 100.0V				
	C155	**V5482000**	Electrolytic Cap.	1000 35.0V				
	C156	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
	C201	**UR828470**	Electrolytic Cap.	470.00 10.0V				01
	C202	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01

✻: New Parts

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REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
C203	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C204	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
C205	**VZ353900**	Ceramic Capacitor-B	1000P 50V K				01
C206	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C207	**UR847100**	Electrolytic Cap.	10.00 25.0V				01
C208	**UR838100**	Electrolytic Cap.	100.00 16.0V				01
C209	**UR866100**	Electrolytic Cap.	1.00 50.0V				01
C210	**UR896470**	Electrolytic Cap.	4.7 100.0V				
C211	**UR896470**	Electrolytic Cap.	4.7 100.0V				
C212	**FU451680**	Mica Capacitor	68P 500V J				01
C213	**FU451820**	Mica Capacitor	82P 500V J				01
C214	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C215	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C216	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C217	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C218	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C219	**VZ353900**	Ceramic Capacitor-B	1000P 50V K				01
C220	**VZ353900**	Ceramic Capacitor-B	1000P 50V K				01
C221	**UA953220**	Mylar Capacitor	2200P 50V J				01
C222	**V4567500**	Ceramic Capacitor-SL	10P 500V K				
C223	**V4567500**	Ceramic Capacitor-SL	10P 500V K				
CN101	**VV066300**	Base Post	3P TE				01
CN102	**VV067200**	Base Post	12P TE				01
CN103	**LB932040**	Base Post	4P TE				01
CN104	**VV066200**	Base Post	2P TE				01
CN105	**LB932060**	Base Post	6P TE				01
CN106	**LB932030**	Base Post	3P TE				01
D101	**VD631600**	Diode	1SS133,176,HSS104				01
-107	**VD631600**	Diode	1SS133,176,HSS104				01
D108	**VG437700**	Zener Diode	MTZ J 5.6B 5.6V				01
D109	**VG437700**	Zener Diode	MTZ J 5.6B 5.6V				01
D110	**VD631600**	Diode	1SS133,176,HSS104				01
D111	**VD631600**	Diode	1SS133,176,HSS104				01
D112	**IF005560**	Diode	1SS82TD				01
-115	**IF005560**	Diode	1SS82TD				01
D116	**VN478200**	Diode	D1NL20U				01
D117	**VN478200**	Diode	D1NL20U				01
D118	**VU801600**	Diode	1N4004L				01
D119	**VU801600**	Diode	1N4004L				01
D120	**VR149700**	Twin Diode	D8LD40 8.0A 400V				04
D121	**VU801600**	Diode	1N4004L				01
D122	**VS135800**	Twin Diode	FMX-22S 10.0A 200V				03
D123	**VR149700**	Twin Diode	D8LD40 8.0A 400V				04
D124	**VU801600**	Diode	1N4004L				01
D125	**VS135800**	Twin Diode	FMX-22S 10.0A 200V				03
D126	**V2261600**	Diode	RBV-1306 13.0A 600				04
-134	**VU801600**	Diode	1N4004L				01
D135	**VG440800**	Zener Diode	MTZ J 15.0B 15.0V				01
D136	**VD631600**	Diode	1SS133,176,HSS104				01
D137	**VG438900**	Zener Diode	MTZ J 8.2B 8.2V				01
D138	**VU801600**	Diode	1N4004L				01
-140	**VU801600**	Diode	1N4004L				01
D141	**VG440800**	Zener Diode	MTZ J 15.0B 15.0V				01
D142	**VV335500**	Zener Diode	MTZ J 43 43.0V				01
-144	**VV335500**	Zener Diode	MTZ J 43 43.0V				01
D145	**VG438900**	Zener Diode	MTZ J 8.2B 8.2V				01
D146	**VQ469600**	Diode	HSS82				01
D147	**VQ469600**	Diode	HSS82				01
D148	**VD631600**	Diode	1SS133,176,HSS104				01
D201	**VD631600**	Diode	1SS133,176,HSS104				01
-207	**VD631600**	Diode	1SS133,176,HSS104				01
D208	**VG437700**	Zener Diode	MTZ J 5.6B 5.6V				01
D209	**VG437700**	Zener Diode	MTZ J 5.6B 5.6V				01
D210	**VD631600**	Diode	1SS133,176,HSS104				01
D211	**VD631600**	Diode	1SS133,176,HSS104				01
D212	**IF005560**	Diode	1SS82TD				01
-215	**IF005560**	Diode	1SS82TD				01
D216	**VN478200**	Diode	D1NL20U				01
D217	**VN478200**	Diode	D1NL20U				01
D218	**VU801600**	Diode	1N4004L				01

✻: New Parts

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REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
D219	**VU801600**	Diode	1N4004L				01
F101	**VV070600**	Fuse	TDS 2A 250V J/U/C		J,U		01
F101	**VV071500**	Fuse	TSD 2A 250V SEMKO		H		01
F102	**VV070600**	Fuse	TDS 2A 250V J/U/C		J,U		01
F102	**VV071500**	Fuse	TSD 2A 250V SEMKO		H		01
IC101	**XQ212A00**	IC	NJM4558L-D		OP AMP		03
IC102	**XD853A00**	IC	NJM7815FA		REGULATOR		03
IC103	**XD854A00**	IC	NJM7915FA		REGULATOR		03
IC104	**XJ607A00**	IC	NJM7805FA		REGULATOR 5V		02
IC201	**XQ212A00**	IC	NJM4558L-D		OP AMP		03
L101	**V4668300**	Coil	OH-20 100UH				08
L102	**V4668300**	Coil	OH-20 100UH				08
L103	**GE300670**	Ferrite Bead	BL02RN2-R62T4				02
L104	**GE300670**	Ferrite Bead	BL02RN2-R62T4				02
L105	**VR150900**	Coil	RZ-001 21mm				02
L106	**VR150900**	Coil	RZ-001 21mm				02
PR101	**VL964800**	Polyphonic Resistor	PTH9M04BH222TS2				04
PR102	**VL965100**	Polyphonic Resistor	PTH9M04BE222TS2				04
Q101	**IA101590**	Transistor	2SA1015 O,Y				01
Q102	**IA101590**	Transistor	2SA1015 O,Y				01
Q103	**IC1815M0**	Transistor	2SC1815 Y,GR				01
Q104	**IC1815M0**	Transistor	2SC1815 Y,GR				01
Q105	**VD678700**	Digital Transistor	DTC114ES				01
Q106	**VD678700**	Digital Transistor	DTC114ES				01
Q107	**VD678500**	Digital Transistor	DTA114ES				01
Q108	**IA097030**	Transistor	2SA970 GR,BL				01
Q109	**IA097030**	Transistor	2SA970 GR,BL				01
Q110	**IC224030**	Transistor	2SC2240 GR,BL				01
Q111	**IC1815M0**	Transistor	2SC1815 Y,GR				01
Q112	**IC1815M0**	Transistor	2SC1815 Y,GR				01
Q113	**IA097030**	Transistor	2SA970 GR,BL				01
Q114	**VU418400**	Transistor	2SA1371 D,E				01
Q115	**VU418600**	Transistor	2SC3468 D,E				01
Q116	**VU418400**	Transistor	2SA1371 D,E				01
Q117	**VU418600**	Transistor	2SC3468 D,E				01
Q118	**V2797700**	Transistor	2SC5395 E,F				01
Q119	**V2797600**	Transistor	2SA1993 E,F				01
Q120	**VU418600**	Transistor	2SC3468 D,E				01
Q121	**VU418400**	Transistor	2SA1371 D,E				01
Q122N	**VR732800**	Pair Transistor	A1859A/C4883A				04
Q122P	**VR732800**	Pair Transistor	A1859A/C4883A				04
Q123N	**V5611000**	Pair Transistor	A1386A/C3519A				05
Q123P	**V5611000**	Pair Transistor	A1386A/C3519A				05
Q124N	**V5611000**	Pair Transistor	A1386A/C3519A				05
Q124P	**V5611000**	Pair Transistor	A1386A/C3519A				05
Q125	**VU418600**	Transistor	2SC3468 D,E				01
Q126	**VU418400**	Transistor	2SA1371 D,E				01
Q127N	**VR732800**	Pair Transistor	A1859A/C4883A				04
Q127P	**VR732800**	Pair Transistor	A1859A/C4883A				04
Q128N	**V5611000**	Pair Transistor	A1386A/C3519A				05
Q128P	**V5611000**	Pair Transistor	A1386A/C3519A				05
Q129N	**V5611000**	Pair Transistor	A1386A/C3519A				05
Q129P	**V5611000**	Pair Transistor	A1386A/C3519A				05
Q130N	**VR732800**	Pair Transistor	A1859A/C4883A				04
Q130P	**VR732800**	Pair Transistor	A1859A/C4883A				04
Q131N	**V5611000**	Pair Transistor	A1386A/C3519A				05
Q131P	**V5611000**	Pair Transistor	A1386A/C3519A				05
Q132N	**V5611000**	Pair Transistor	A1386A/C3519A				05
Q132P	**V5611000**	Pair Transistor	A1386A/C3519A				05
Q133N	**V5611000**	Pair Transistor	A1386A/C3519A				05
Q133P	**V5611000**	Pair Transistor	A1386A/C3519A				05
Q134	**V2797700**	Transistor	2SC5395 E,F				01
Q135	**V2797600**	Transistor	2SA1993 E,F				01
Q136	**V2797700**	Transistor	2SC5395 E,F				01
-138	**V2797700**	Transistor	2SC5395 E,F				01
Q139	**V2797600**	Transistor	2SA1993 E,F				01
Q140	**V2797700**	Transistor	2SC5395 E,F				01
Q141	**V2797700**	Transistor	2SC5395 E,F				01
Q142	**VS883400**	Transistor	2SD2394 E,F				02
Q143	**VS883400**	Transistor	2SD2394 E,F				02

❇: New Parts

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REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
Q144	**VD678500**	Digital Transistor	DTA114ES				01
Q201	**IA101590**	Transistor	2SA1015 O,Y				01
Q202	**IA101590**	Transistor	2SA1015 O,Y				01
Q203	**IC1815M0**	Transistor	2SC1815 Y,GR				01
Q204	**IC1815M0**	Transistor	2SC1815 Y,GR				01
Q205	**VD678700**	Digital Transistor	DTC114ES				01
Q206	**VD678700**	Digital Transistor	DTC114ES				01
Q207	**VD678500**	Digital Transistor	DTA114ES				01
Q208	**IA097030**	Transistor	2SA970 GR,BL				01
Q209	**IA097030**	Transistor	2SA970 GR,BL				01
Q210	**IC224030**	Transistor	2SC2240 GR,BL				01
Q211	**IC1815M0**	Transistor	2SC1815 Y,GR				01
Q212	**IC1815M0**	Transistor	2SC1815 Y,GR				01
Q213	**IA097030**	Transistor	2SA970 GR,BL				01
Q214	**VU418400**	Transistor	2SA1371 D,E				01
Q215	**VU418600**	Transistor	2SC3468 D,E				01
Q216	**VU418400**	Transistor	2SA1371 D,E				01
Q217	**VU418600**	Transistor	2SC3468 D,E				01
Q218	**V2797700**	Transistor	2SC5395 E,F				01
Q219	**V2797600**	Transistor	2SA1993 E,F				01
Q220	**VU418600**	Transistor	2SC3468 D,E				01
Q221	**VU418400**	Transistor	2SA1371 D,E				01
Q222N	**VR732800**	Pair Transistor	A1859A/C4883A				04
Q222P	**VR732800**	Pair Transistor	A1859A/C4883A				04
Q223N	**V5611000**	Pair Transistor	A1386A/C3519A				05
Q223P	**V5611000**	Pair Transistor	A1386A/C3519A				05
Q224N	**V5611000**	Pair Transistor	A1386A/C3519A				05
Q224P	**V5611000**	Pair Transistor	A1386A/C3519A				05
R101	**V2961300**	Metal Film Resistor	16K 1/4 F				
R102	**HF457150**	Carbon Resistor	15.0K 1/4 J				01
R103	**VZ009900**	Metal Film Resistor	15K 1/4 F				01
R104	**HF457560**	Carbon Resistor	56.0K 1/4 J				01
R105	**HF457120**	Carbon Resistor	12.0K 1/4 J				01
R106	**HF454680**	Carbon Resistor	68.0 1/4 J				01
R107	**HF457120**	Carbon Resistor	12.0K 1/4 J				01
R108	**HF457560**	Carbon Resistor	56.0K 1/4 J				01
R109	**HF454680**	Carbon Resistor	68.0 1/4 J				01
R110	**HF456150**	Carbon Resistor	1.5K 1/4 J				01
R111	**HF457270**	Carbon Resistor	27.0K 1/4 J				01
R112	**HF455330**	Carbon Resistor	330.0 1/4 J				01
R113	**HF457470**	Carbon Resistor	47.0K 1/4 J				01
R114	**VV312800**	Metal Film Resistor	680.0 1/4 F				01
R115	**HF457220**	Carbon Resistor	22.0K 1/4 J				01
R116	**HF458390**	Carbon Resistor	390.0K 1/4 J				01
R117	**HF458390**	Carbon Resistor	390.0K 1/4 J				01
R118	**HF457820**	Carbon Resistor	82.0K 1/4 J				01
R119	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R120	**HF457220**	Carbon Resistor	22.0K 1/4 J				01
R121	**HF458330**	Carbon Resistor	330.0K 1/4 J				01
R122	**HF455560**	Carbon Resistor	560.0 1/4 J				01
-124	**HF455560**	Carbon Resistor	560.0 1/4 J				01
R125	**HF457470**	Carbon Resistor	47.0K 1/4 J				01
R126	**HF455330**	Carbon Resistor	330.0 1/4 J				01
R127	**VV312900**	Metal Film Resistor	22K 1/4 F				01
R128	**HF455330**	Carbon Resistor	330.0 1/4 J				01
R129	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R130	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R131	**HF457470**	Carbon Resistor	47.0K 1/4 J				01
-134	**HF457470**	Carbon Resistor	47.0K 1/4 J				01
R135	**HF455560**	Carbon Resistor	560.0 1/4 J				01
R136	**HF455560**	Carbon Resistor	560.0 1/4 J				01
R137	**HF457120**	Carbon Resistor	12.0K 1/4 J				01
R138	**HF457120**	Carbon Resistor	12.0K 1/4 J				01
R139	**VV313800**	Flame Proof C. Resistor	220.0 1/4 J				01
R140	**VV313800**	Flame Proof C. Resistor	220.0 1/4 J				01
R141	**VZ009300**	Flame Proof C. Resistor	330.0 1/4 J				01
R142	**VZ009300**	Flame Proof C. Resistor	330.0 1/4 J				01
R143	**VV276800**	Flame Proof C. Resistor	100 1/4 J				01
-146	**VV276800**	Flame Proof C. Resistor	100 1/4 J				01
R147	**VZ009100**	Flame Proof C. Resistor	33.0 1/4 J				01

✻: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
R148	**VZ009100**	Flame Proof C. Resistor	33.0 1/4 J				01
R149	**VZ008800**	Flame Proof C. Resistor	22.0 1/4 J				01
R150	**VZ008800**	Flame Proof C. Resistor	22.0 1/4 J				01
R151	**V4833200**	Cement Resistor	0.22 5W K				01
R152	**V4833200**	Cement Resistor	0.22 5W K				01
R153	**VZ009100**	Flame Proof C. Resistor	33.0 1/4 J				01
R154	**VZ009100**	Flame Proof C. Resistor	33.0 1/4 J				01
R155	**VZ008800**	Flame Proof C. Resistor	22.0 1/4 J				01
R156	**VZ008800**	Flame Proof C. Resistor	22.0 1/4 J				01
R157	**V4833200**	Cement Resistor	0.22 5W K				01
R158	**V4833200**	Cement Resistor	0.22 5W K				01
R159	**VV058500**	Flame Proof C. Resistor	10.0 1/4 J				01
R160	**HF458150**	Carbon Resistor	150.0K 1/4 J				01
R161	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
R162	**VZ008800**	Flame Proof C. Resistor	22.0 1/4 J				01
R163	**VZ008700**	Flame Proof C. Resistor	2.2K 1/4 J				01
R164	**VZ008600**	Flame Proof C. Resistor	150.0 1/4 J				01
R165	**VV313600**	Flame Proof C. Resistor	2.2 1/4 J				01
R166	**VZ370200**	Cement Resistor	0.1 5W K				01
R167	**VV313600**	Flame Proof C. Resistor	2.2 1/4 J				01
R168	**VV313600**	Flame Proof C. Resistor	2.2 1/4 J				01
R169	**VZ370200**	Cement Resistor	0.1 5W K				01
R170	**VV276700**	Flame Proof C. Resistor	4.7 1/4 J				01
R171	**VV276700**	Flame Proof C. Resistor	4.7 1/4 J				01
R172	**VV313600**	Flame Proof C. Resistor	2.2 1/4 J				01
-174	**VV313600**	Flame Proof C. Resistor	2.2 1/4 J				01
R175	**VV313900**	Flame Proof C. Resistor	680.0 1/4 J				01
R176	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
R177	**VZ008800**	Flame Proof C. Resistor	22.0 1/4 J				01
R178	**VZ008700**	Flame Proof C. Resistor	2.2K 1/4 J				01
R179	**VZ008600**	Flame Proof C. Resistor	150.0 1/4 J				01
R180	**VV313600**	Flame Proof C. Resistor	2.2 1/4 J				01
R181	**VV313600**	Flame Proof C. Resistor	2.2 1/4 J				01
R182	**VZ370200**	Cement Resistor	0.1 5W K				01
R183	**VV313600**	Flame Proof C. Resistor	2.2 1/4 J				01
R184	**VZ370200**	Cement Resistor	0.1 5W K				01
R185	**VV276700**	Flame Proof C. Resistor	4.7 1/4 J				01
R186	**VV276700**	Flame Proof C. Resistor	4.7 1/4 J				01
R187	**VV313600**	Flame Proof C. Resistor	2.2 1/4 J				01
-189	**VV313600**	Flame Proof C. Resistor	2.2 1/4 J				01
R190	**VV313900**	Flame Proof C. Resistor	680.0 1/4 J				01
R191	**VV313800**	Flame Proof C. Resistor	220.0 1/4 J				01
R192	**VV313800**	Flame Proof C. Resistor	220.0 1/4 J				01
R193	**HF455100**	Carbon Resistor	100.0 1/4 J				01
R194	**HF455100**	Carbon Resistor	100.0 1/4 J				01
R195	**HF457470**	Carbon Resistor	47.0K 1/4 J				01
R201	**V2961300**	Metal Film Resistor	16K 1/4 F				
R202	**HF457150**	Carbon Resistor	15.0K 1/4 J				01
R203	**VZ009900**	Metal Film Resistor	15K 1/4 F				01
R204	**HF457560**	Carbon Resistor	56.0K 1/4 J				01
R205	**HF457120**	Carbon Resistor	12.0K 1/4 J				01
R206	**HF454680**	Carbon Resistor	68.0 1/4 J				01
R207	**HF457120**	Carbon Resistor	12.0K 1/4 J				01
R208	**HF457560**	Carbon Resistor	56.0K 1/4 J				01
R209	**HF454680**	Carbon Resistor	68.0 1/4 J				01
R210	**HF456150**	Carbon Resistor	1.5K 1/4 J				01
R211	**HF457270**	Carbon Resistor	27.0K 1/4 J				01
R212	**HF455330**	Carbon Resistor	330.0 1/4 J				01
R213	**HF457470**	Carbon Resistor	47.0K 1/4 J				01
R214	**VV312800**	Metal Film Resistor	680.0 1/4 F				01
R215	**HF457220**	Carbon Resistor	22.0K 1/4 J				01
R216	**HF458390**	Carbon Resistor	390.0K 1/4 J				01
R217	**HF458390**	Carbon Resistor	390.0K 1/4 J				01
R218	**HF457820**	Carbon Resistor	82.0K 1/4 J				01
R219	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R220	**HF457220**	Carbon Resistor	22.0K 1/4 J				01
R221	**HF458330**	Carbon Resistor	330.0K 1/4 J				01
R222	**HF455560**	Carbon Resistor	560.0 1/4 J				01
-224	**HF455560**	Carbon Resistor	560.0 1/4 J				01
R225	**HF457470**	Carbon Resistor	47.0K 1/4 J				01

❇: New Parts

RANK: Japan only

	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
	R226	**HF455330**	Carbon Resistor	330.0 1/4 J				01
	R227	**VV312900**	Metal Film Resistor	22K 1/4 F				01
	R228	**HF455330**	Carbon Resistor	330.0 1/4 J				01
	R229	**HF455220**	Carbon Resistor	220.0 1/4 J				01
	R230	**HF455220**	Carbon Resistor	220.0 1/4 J				01
	R231	**HF457470**	Carbon Resistor	47.0K 1/4 J				01
	-234	**HF457470**	Carbon Resistor	47.0K 1/4 J				01
	R235	**HF455560**	Carbon Resistor	560.0 1/4 J				01
	R236	**HF455560**	Carbon Resistor	560.0 1/4 J				01
	R237	**HF457120**	Carbon Resistor	12.0K 1/4 J				01
	R238	**HF457120**	Carbon Resistor	12.0K 1/4 J				01
	R239	**VV313800**	Flame Proof C. Resistor	220.0 1/4 J				01
	R240	**VV313800**	Flame Proof C. Resistor	220.0 1/4 J				01
	R241	**VZ009300**	Flame Proof C. Resistor	330.0 1/4 J				01
	R242	**VZ009300**	Flame Proof C. Resistor	330.0 1/4 J				01
	R243	**VV276800**	Flame Proof C. Resistor	100 1/4 J				01
	-246	**VV276800**	Flame Proof C. Resistor	100 1/4 J				01
	R247	**VZ009100**	Flame Proof C. Resistor	33.0 1/4 J				01
	R248	**VZ009100**	Flame Proof C. Resistor	33.0 1/4 J				01
	R249	**VZ008800**	Flame Proof C. Resistor	22.0 1/4 J				01
	R250	**VZ008800**	Flame Proof C. Resistor	22.0 1/4 J				01
	R251	**V4833200**	Cement Resistor	0.22 5W K				01
	R252	**V4833200**	Cement Resistor	0.22 5W K				01
	R253	**VZ009100**	Flame Proof C. Resistor	33.0 1/4 J				01
	R254	**VZ009100**	Flame Proof C. Resistor	33.0 1/4 J				01
	R255	**VZ008800**	Flame Proof C. Resistor	22.0 1/4 J				01
	R256	**VZ008800**	Flame Proof C. Resistor	22.0 1/4 J				01
	R257	**V4833200**	Cement Resistor	0.22 5W K				01
	R258	**V4833200**	Cement Resistor	0.22 5W K				01
	R259	**VV058500**	Flame Proof C. Resistor	10.0 1/4 J				01
	R260	**HF458150**	Carbon Resistor	150.0K 1/4 J				01
	R261	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
	R262	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
	R263	**HF456220**	Carbon Resistor	2.2K 1/4 J				01
	R264	**HF457120**	Carbon Resistor	12.0K 1/4 J				01
	R265	**HF457560**	Carbon Resistor	56.0K 1/4 J				01
	R266	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
	R267	**HF456820**	Carbon Resistor	8.2K 1/4 J				01
	R268	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
	R269	**HF455330**	Carbon Resistor	330.0 1/4 J				01
	R270	**HF456820**	Carbon Resistor	8.2K 1/4 J				01
	R271	**HF456820**	Carbon Resistor	8.2K 1/4 J				01
	R272	**HF455100**	Carbon Resistor	100.0 1/4 J				01
	R273	**HF457560**	Carbon Resistor	56.0K 1/4 J				01
	R274	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
	R275	**HF457220**	Carbon Resistor	22.0K 1/4 J				01
	R276	**HF457150**	Carbon Resistor	15.0K 1/4 J				01
	R293	**HF455100**	Carbon Resistor	100.0 1/4 J				01
	R294	**HF455100**	Carbon Resistor	100.0 1/4 J				01
	R295	**HF457470**	Carbon Resistor	47.0K 1/4 J				01
	R296	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
	RY101	**VV315400**	Relay	DC OSA-SH-224DM3M				06
	RY102	**VV315400**	Relay	DC OSA-SH-224DM3M				06
*		**AAX24850**	Circuit Board	PWR2 1/3		J (V698350)(XZ657B0)		
*		**AAX24860**	Circuit Board	PWR2 1/3		U (V698360)(XZ657B0)		
*		**AAX24870**	Circuit Board	PWR2 1/3		H,A (V698370)(XZ657B0)		
*		**AAX24880**	Circuit Board	PWR2 2/3		(V698350)(XZ657B0)		
*		**AAX24890**	Circuit Board	PWR2 3/3		(V698350)(XZ657B0)		
		--	Jumper Wire	0.60		(VV29140)		01
		VV319600	Fuse Holder	CQ-05CT				01
		V3225000	Ferrite Core	FR25/15/12-D40				03
		--	Connector Assembly	SGND		(V676790)		
⚠ *	C301	**V0039700**	Capacitor	0.1 275V UCS		J		
⚠	C302	**V6113500**	Capacitor	1000P 400V J.U.C.S		J		
⚠	C303	**V6185400**	Capacitor	3300P 400V J.U.C.S		U		
⚠	C303	**VY704000**	Capacitor	4700P 400V J.U.C.S		H		01
⚠	C304	**V6185400**	Capacitor	3300P 400V J.U.C.S		U		
⚠	C304	**VY704000**	Capacitor	4700P 400V J.U.C.S		H		01
	C305	**VZ354600**	Monolithic Capacitor	0.10 50V Z				01

*: New Parts

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	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
	-308	**VZ354600**	Monolithic Capacitor	0.10 50V Z				01
	C309	**V3280500**	Ceramic Capacitor-B	100P 500 K				01
	C310	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
	C311	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
	C312	**VY897000**	Electrolytic Cap.	6800 100V				08
	C313	**VY897000**	Electrolytic Cap.	6800 100V				08
	CN301	**LB933030**	Base Post	3P SE				01
⚠	CN302	**V5817000**	AC Inlet	HF-301L				
	E301	**VV075700**	Terminal Plate					01
	F301	**KB001380**	Fuse	15.00A U		J		04
	F301	**KB001540**	Fuse	12.00A UL		U		04
	F301	**KB003360**	Fuse	T 6.30A S		H		02
	J301	**--**	Jumper Wire	0.60		(VV29140)		01
	J302	**--**	Jumper Wire	0.60		(VV29140)		01
	JK301	**VV089300**	Phone Connector	H30280072N		SPEAKERS(R/MONO1,2,		02
	-305	**VV089300**	Phone Connector	H30280072N		BRIDGE,L/MONO1.2)		02
	R301	**VV058500**	Flame Proof C. Resistor	10.0 1/4 J				01
	R302	**VV058500**	Flame Proof C. Resistor	10.0 1/4 J				01
	R303	**HF458150**	Carbon Resistor	150.0K 1/4 J				01
	R304	**HF458150**	Carbon Resistor	150.0K 1/4 J				01
⚠	SW301	**VY898100**	Push Switch	SDDFA3107U-YL UCS		POWER Switch		05
	W301	**--**	Connector Assembly	B&C #18 4P		(V702070)		
	W302	**--**	Connector Assembly	B&C #18 3P		(V702080)		
*		**V6983200**	Circuit Board	DSP J		(XZ633B0)		
	C101	**UX064100**	Ceramic Capacitor (chip)	0.0100 50V K				
	-110	**UX064100**	Ceramic Capacitor (chip)	0.0100 50V K				
	C111	**UY065100**	Ceramic Capacitor (chip)	0.1000 50V Z				
	C112	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
	C113	**UY065100**	Ceramic Capacitor (chip)	0.1000 50V Z				
	C114	**UY065100**	Ceramic Capacitor (chip)	0.1000 50V Z				
	C115	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
	C116	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
	C117	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
	C118	**VV190000**	Mylar Capacitor	820P 50V J				01
	C119	**VV190000**	Mylar Capacitor	820P 50V J				01
	C120	**UX062100**	Ceramic Capacitor (chip)	100P 50V J				
	C121	**UX062100**	Ceramic Capacitor (chip)	100P 50V J				
	C122	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
	-124	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
	C125	**UA953820**	Mylar Capacitor	8200P 50V J				
	C126	**UA953820**	Mylar Capacitor	8200P 50V J				
	C127	**UA953270**	Mylar Capacitor	2700P 50V J				01
	C128	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
	C129	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
	C130	**UY065100**	Ceramic Capacitor (chip)	0.1000 50V Z				
	-132	**UY065100**	Ceramic Capacitor (chip)	0.1000 50V Z				
	C133	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
	-136	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
	C137	**UX062470**	Ceramic Capacitor (chip)	470P 50V J				
	C138	**UX062470**	Ceramic Capacitor (chip)	470P 50V J				
	C139	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
	C140	**UY065100**	Ceramic Capacitor (chip)	0.1000 50V Z				
	C141	**UY065100**	Ceramic Capacitor (chip)	0.1000 50V Z				
	C142	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
	C143	**UY065100**	Ceramic Capacitor (chip)	0.1000 50V Z				
	-146	**UY065100**	Ceramic Capacitor (chip)	0.1000 50V Z				
	C147	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
	C148	**UY065100**	Ceramic Capacitor (chip)	0.1000 50V Z				
	C149	**UR838100**	Electrolytic Cap.	100.00 16.0V				01
	C150	**UR847220**	Electrolytic Cap.	22.00 25.0V				01
	C151	**UY065100**	Ceramic Capacitor (chip)	0.1000 50V Z				
	C152	**UY065100**	Ceramic Capacitor (chip)	0.1000 50V Z				
	C153	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
	C154	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
	CN101	**VV067300**	Base Post	13P TE				
	CN102	**VV066300**	Base Post	3P TE				01
	D101	**VT332900**	Diode	1SS355 TE-17				01
	EM101	**GE300670**	Ferrite Bead	BL02RN2-R62T4				02
	-107	**GE300670**	Ferrite Bead	BL02RN2-R62T4				02

❇: New Parts

RANK: Japan only

	REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
	EM108	**VV056900**	Noise Filter	ZJSR5101-223TA				01
	-111	**VV056900**	Noise Filter	ZJSR5101-223TA				01
	IC101	**XZ110A00**	IC	74HCU04DT		INVERTER		01
	IC102	**XZ312A00**	IC	UPD78082		MCU		05
	IC103	**IG103520**	IC	NJM4558MT-1		OP AMP		03
*	IC104	**X0053A00**	IC	PCM3001E/2K		ADA		
	IC105	**XY297A00**	IC	ZFX-2		ZFX-2		13
	IC106	**XW125A00**	IC	SDM4260CLTM-6S		4M DRAM		08
	IC107	**XJ607A00**	IC	NJM7805FA		REGULATOR 5V		02
	Q101	**VV556400**	Transistor	2SC2412K Q,R,S				01
	Q102	**VV655400**	Digital Transistor	DTC114EKA TP				01
	Q103	**VV556400**	Transistor	2SC2412K Q,R,S				01
	Q104	**VV655000**	Digital Transistor	DTA114EKA TP				01
	Q105	**VV655000**	Digital Transistor	DTA114EKA TP				01
	Q106	**VV655400**	Digital Transistor	DTC114EKA TP				01
	Q107	**VV556400**	Transistor	2SC2412K Q,R,S				01
	Q108	**VV556400**	Transistor	2SC2412K Q,R,S				01
	R101	**RG005100**	Carbon Resistor (chip)	100 0.1 J				
	-105	**RG005100**	Carbon Resistor (chip)	100 0.1 J				
*	R106	**RG004100**	Carbon Resistor (chip)	10 0.1 J				
*	-108	**RG004100**	Carbon Resistor (chip)	10 0.1 J				
	R109	**RG005100**	Carbon Resistor (chip)	100 0.1 J				
	R110	**RG005100**	Carbon Resistor (chip)	100 0.1 J				
	R111	**RG007100**	Carbon Resistor (chip)	10K 0.1 J				
	-113	**RG007100**	Carbon Resistor (chip)	10K 0.1 J				
	R114	**RG005100**	Carbon Resistor (chip)	100 0.1 J				
	-116	**RG005100**	Carbon Resistor (chip)	100 0.1 J				
	R117	**RG009100**	Carbon Resistor (chip)	1.0M 0.1 J				
	R118	**RG007100**	Carbon Resistor (chip)	10K 0.1 J				
	R119	**RG006100**	Carbon Resistor (chip)	1.0K 0.1 J				
	R120	**RG005220**	Carbon Resistor (chip)	220 0.1 J				
	R121	**RG005100**	Carbon Resistor (chip)	100 0.1 J				
	R122	**RG007220**	Carbon Resistor (chip)	22K 0.1 J				
	R123	**RG009100**	Carbon Resistor (chip)	1.0M 0.1 J				
	R124	**RG006100**	Carbon Resistor (chip)	1.0K 0.1 J				
*	R125	**RG007270**	Carbon Resistor (chip)	27K 0.1 J				
	R126	**RG007100**	Carbon Resistor (chip)	10K 0.1 J				
	R127	**RG007100**	Carbon Resistor (chip)	10K 0.1 J				
	R128	**RG008100**	Carbon Resistor (chip)	100K 0.1 J				
	-131	**RG008100**	Carbon Resistor (chip)	100K 0.1 J				
	R132	**RG006100**	Carbon Resistor (chip)	1.0K 0.1 J				
	R133	**RG006100**	Carbon Resistor (chip)	1.0K 0.1 J				
*	R134	**RG007680**	Carbon Resistor (chip)	68K 0.1 J				
*	R135	**RG007680**	Carbon Resistor (chip)	68K 0.1 J				
	R136	**RG007220**	Carbon Resistor (chip)	22K 0.1 J				
	R137	**RG007220**	Carbon Resistor (chip)	22K 0.1 J				
*	R138	**RG006910**	Carbon Resistor (chip)	9.1K 0.1 J				
*	R139	**RG006910**	Carbon Resistor (chip)	9.1K 0.1 J				
*	R140	**RG006300**	Carbon Resistor (chip)	3.0K 0.1 J				
*	R141	**RG007300**	Carbon Resistor (chip)	30K 0.1 J				
*	R142	**RG006130**	Carbon Resistor (chip)	1.3K 0.1 J				
*	R143	**RG006130**	Carbon Resistor (chip)	1.3K 0.1 J				
	R144	**RG009100**	Carbon Resistor (chip)	1.0M 0.1 J				
	R145	**VV313600**	Flame Proof C. Resistor	2.2 1/4 J				01
	R146	**RG006100**	Carbon Resistor (chip)	1.0K 0.1 J				
	R147	**VV313600**	Flame Proof C. Resistor	2.2 1/4 J				01
	R148	**VV313600**	Flame Proof C. Resistor	2.2 1/4 J				01
	RA101	**V6338000**	Resistor Array	RA1/8 9A 223J				
	RA102	**V6338100**	Resistor Array	RA1/8 7A 223J				
	TP101	**VV066200**	Base Post	2P TE				01
	X101	**VD827600**	Ceramic Resonator	0.1% 4.0MHZ				02
*		**V6983100**	Circuit Board	MAIN J		(XT783H0)		
		VV307300	LED Spacer					01
		V4467500	Push Switch	CD-GRAY/WHITE		PFL(CH1-12,ST SUB1,2,		01
						TAPE IN ST),AFL(MONI1,2, EFFECT,ST1,MONO),G.EQ ON, PROGRAM ON,CH9-12(A,B)		
		VB966900	Style Pin	IMSA-6024				01
	C101	**UR867470**	Electrolytic Cap.	47.00 50.0V				01

*: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
C102	**VV488800**	Electrolytic Cap.-LLM	10.00 50.0V				01
C103	**VV488800**	Electrolytic Cap.-LLM	10.00 50.0V				01
C104	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C105	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C106	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C107	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C108	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
C109	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
C110	**UR828470**	Electrolytic Cap.	470.00 10.0V				01
C111	**VZ352700**	Ceramic Capacitor-SL	10P 50V J				01
C112	**VZ352700**	Ceramic Capacitor-SL	10P 50V J				01
C113	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C114	**VZ353000**	Ceramic Capacitor-SL	33P 50V J				01
C115	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C116	**UA954150**	Mylar Capacitor	0.0150 50V J				01
C117	**VV061400**	Mylar Capacitor	0.010 50V J				01
C118	**VV061500**	Mylar Capacitor	0.012 50V J				01
C119	**UA953390**	Mylar Capacitor	3900P 50V J				01
C120	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C121	**VZ352900**	Ceramic Capacitor-SL	27P 50V J				01
C122	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C123	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C124	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C125	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C126	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C127	**UR866470**	Electrolytic Cap.	4.70 50.0V				01
C128	**UA954470**	Mylar Capacitor	0.0470 50V J				01
C129	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
-132	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C133	**VZ353900**	Ceramic Capacitor-B	1000P 50V K				01
C134	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C135	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C136	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C137	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
-139	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C140	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C141	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C142	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C201	**UR867470**	Electrolytic Cap.	47.00 50.0V				01
C202	**VV488800**	Electrolytic Cap.-LLM	10.00 50.0V				01
C203	**VV488800**	Electrolytic Cap.-LLM	10.00 50.0V				01
C204	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C205	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C206	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C207	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C208	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
C209	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
C210	**UR828470**	Electrolytic Cap.	470.00 10.0V				01
C211	**VZ352700**	Ceramic Capacitor-SL	10P 50V J				01
C212	**VZ352700**	Ceramic Capacitor-SL	10P 50V J				01
C213	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C214	**VZ353000**	Ceramic Capacitor-SL	33P 50V J				01
C215	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C216	**UA954150**	Mylar Capacitor	0.0150 50V J				01
C217	**VV061400**	Mylar Capacitor	0.010 50V J				01
C218	**VV061500**	Mylar Capacitor	0.012 50V J				01
C219	**UA953390**	Mylar Capacitor	3900P 50V J				01
C220	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C221	**VZ352900**	Ceramic Capacitor-SL	27P 50V J				01
C222	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C223	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C224	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C225	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C226	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C227	**UR866470**	Electrolytic Cap.	4.70 50.0V				01
C228	**UA954470**	Mylar Capacitor	0.0470 50V J				01
C229	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C230	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C231	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C232	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01

❇: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
-234	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C235	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C301	**UR867470**	Electrolytic Cap.	47.00 50.0V				01
C302	**VV488800**	Electrolytic Cap.-LLM	10.00 50.0V				01
C303	**VV488800**	Electrolytic Cap.-LLM	10.00 50.0V				01
C304	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C305	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C306	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C307	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C308	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
C309	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
C310	**UR828470**	Electrolytic Cap.	470.00 10.0V				01
C311	**VZ352700**	Ceramic Capacitor-SL	10P 50V J				01
C312	**VZ352700**	Ceramic Capacitor-SL	10P 50V J				01
C313	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C314	**VZ353000**	Ceramic Capacitor-SL	33P 50V J				01
C315	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C316	**UA954150**	Mylar Capacitor	0.0150 50V J				01
C317	**VV061400**	Mylar Capacitor	0.010 50V J				01
C318	**VV061500**	Mylar Capacitor	0.012 50V J				01
C319	**UA953390**	Mylar Capacitor	3900P 50V J				01
C320	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C321	**VZ352900**	Ceramic Capacitor-SL	27P 50V J				01
C322	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C323	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C324	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C325	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C326	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C327	**UR866470**	Electrolytic Cap.	4.70 50.0V				01
C328	**UA954470**	Mylar Capacitor	0.0470 50V J				01
C329	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
-332	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C333	**VZ353900**	Ceramic Capacitor-B	1000P 50V K				01
C334	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C335	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C336	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C337	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
-339	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C340	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C341	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C342	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C401	**UR867470**	Electrolytic Cap.	47.00 50.0V				01
C402	**VV488800**	Electrolytic Cap.-LLM	10.00 50.0V				01
C403	**VV488800**	Electrolytic Cap.-LLM	10.00 50.0V				01
C404	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C405	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C406	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C407	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C408	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
C409	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
C410	**UR828470**	Electrolytic Cap.	470.00 10.0V				01
C411	**VZ352700**	Ceramic Capacitor-SL	10P 50V J				01
C412	**VZ352700**	Ceramic Capacitor-SL	10P 50V J				01
C413	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C414	**VZ353000**	Ceramic Capacitor-SL	33P 50V J				01
C415	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C416	**UA954150**	Mylar Capacitor	0.0150 50V J				01
C417	**VV061400**	Mylar Capacitor	0.010 50V J				01
C418	**VV061500**	Mylar Capacitor	0.012 50V J				01
C419	**UA953390**	Mylar Capacitor	3900P 50V J				01
C420	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C421	**VZ352900**	Ceramic Capacitor-SL	27P 50V J				01
C422	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C423	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C424	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C425	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C426	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C427	**UR866470**	Electrolytic Cap.	4.70 50.0V				01
C428	**UA954470**	Mylar Capacitor	0.0470 50V J				01
C429	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01

✻: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
C430	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C431	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C432	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
-434	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C435	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C501	**UR867470**	Electrolytic Cap.	47.00 50.0V				01
C502	**VV488800**	Electrolytic Cap.-LLM	10.00 50.0V				01
C503	**VV488800**	Electrolytic Cap.-LLM	10.00 50.0V				01
C504	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C505	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C506	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C507	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C508	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
C509	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
C510	**UR828470**	Electrolytic Cap.	470.00 10.0V				01
C511	**VZ352700**	Ceramic Capacitor-SL	10P 50V J				01
C512	**VZ352700**	Ceramic Capacitor-SL	10P 50V J				01
C513	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C514	**VZ353000**	Ceramic Capacitor-SL	33P 50V J				01
C515	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C516	**UA954150**	Mylar Capacitor	0.0150 50V J				01
C517	**VV061400**	Mylar Capacitor	0.010 50V J				01
C518	**VV061500**	Mylar Capacitor	0.012 50V J				01
C519	**UA953390**	Mylar Capacitor	3900P 50V J				01
C520	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C521	**VZ352900**	Ceramic Capacitor-SL	27P 50V J				01
C522	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C523	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C524	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C525	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C526	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C527	**UR866470**	Electrolytic Cap.	4.70 50.0V				01
C528	**UA954470**	Mylar Capacitor	0.0470 50V J				01
C529	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
-532	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C533	**VZ353900**	Ceramic Capacitor-B	1000P 50V K				01
C534	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C535	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C537	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
-539	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C540	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C541	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C542	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C601	**UR867470**	Electrolytic Cap.	47.00 50.0V				01
C602	**VV488800**	Electrolytic Cap.-LLM	10.00 50.0V				01
C603	**VV488800**	Electrolytic Cap.-LLM	10.00 50.0V				01
C604	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C605	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C606	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C607	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C608	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
C609	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
C610	**UR828470**	Electrolytic Cap.	470.00 10.0V				01
C611	**VZ352700**	Ceramic Capacitor-SL	10P 50V J				01
C612	**VZ352700**	Ceramic Capacitor-SL	10P 50V J				01
C613	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C614	**VZ353000**	Ceramic Capacitor-SL	33P 50V J				01
C615	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C616	**UA954150**	Mylar Capacitor	0.0150 50V J				01
C617	**VV061400**	Mylar Capacitor	0.010 50V J				01
C618	**VV061500**	Mylar Capacitor	0.012 50V J				01
C619	**UA953390**	Mylar Capacitor	3900P 50V J				01
C620	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C621	**VZ352900**	Ceramic Capacitor-SL	27P 50V J				01
C622	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C623	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C624	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C625	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C626	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C627	**UR866470**	Electrolytic Cap.	4.70 50.0V				01

❇: New Parts

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REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
C628	**UA954470**	Mylar Capacitor	0.0470 50V J				01
C629	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C630	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C632	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
-634	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C635	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C701	**UR867470**	Electrolytic Cap.	47.00 50.0V				01
C702	**VV488800**	Electrolytic Cap.-LLM	10.00 50.0V				01
C703	**VV488800**	Electrolytic Cap.-LLM	10.00 50.0V				01
C704	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C705	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C706	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C707	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C708	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
C709	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
C710	**UR828470**	Electrolytic Cap.	470.00 10.0V				01
C711	**VZ352700**	Ceramic Capacitor-SL	10P 50V J				01
C712	**VZ352700**	Ceramic Capacitor-SL	10P 50V J				01
C713	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C714	**VZ353000**	Ceramic Capacitor-SL	33P 50V J				01
C715	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C716	**UA954150**	Mylar Capacitor	0.0150 50V J				01
C717	**VV061400**	Mylar Capacitor	0.010 50V J				01
C718	**VV061500**	Mylar Capacitor	0.012 50V J				01
C719	**UA953390**	Mylar Capacitor	3900P 50V J				01
C720	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C721	**VZ352900**	Ceramic Capacitor-SL	27P 50V J				01
C722	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C723	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C724	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C725	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C726	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C727	**UR866470**	Electrolytic Cap.	4.70 50.0V				01
C728	**UA954470**	Mylar Capacitor	0.0470 50V J				01
C729	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
-732	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C733	**VZ353900**	Ceramic Capacitor-B	1000P 50V K				01
C734	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C735	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C737	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
-739	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C740	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C741	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C742	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C801	**UR867470**	Electrolytic Cap.	47.00 50.0V				01
C802	**VV488800**	Electrolytic Cap.-LLM	10.00 50.0V				01
C803	**VV488800**	Electrolytic Cap.-LLM	10.00 50.0V				01
C804	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C805	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C806	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C807	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C808	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
C809	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
C810	**UR828470**	Electrolytic Cap.	470.00 10.0V				01
C811	**VZ352700**	Ceramic Capacitor-SL	10P 50V J				01
C812	**VZ352700**	Ceramic Capacitor-SL	10P 50V J				01
C813	**VZ353800**	Ceramic Capacitor-B	470P 50V K				01
C814	**VZ353000**	Ceramic Capacitor-SL	33P 50V J				01
C815	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C816	**UA954150**	Mylar Capacitor	0.0150 50V J				01
C817	**VV061400**	Mylar Capacitor	0.010 50V J				01
C818	**VV061500**	Mylar Capacitor	0.012 50V J				01
C819	**UA953390**	Mylar Capacitor	3900P 50V J				01
C820	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C821	**VZ352900**	Ceramic Capacitor-SL	27P 50V J				01
C822	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C823	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C824	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C825	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C826	**UR857470**	Electrolytic Cap.	47.00 35.0V				01

✻: New Parts

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REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
C827	**UR866470**	Electrolytic Cap.	4.70 50.0V				01
C828	**UA954470**	Mylar Capacitor	0.0470 50V J				01
C829	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C830	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C832	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
-834	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C835	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C901	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C902	**VZ353700**	Ceramic Capacitor-B	330P 50V K				01
C903	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C904	**UR828470**	Electrolytic Cap.	470.00 10.0V				01
C905	**VZ353700**	Ceramic Capacitor-B	330P 50V K				01
C906	**VZ353200**	Ceramic Capacitor-SL	47P 50V J				01
C907	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C908	**UA954150**	Mylar Capacitor	0.0150 50V J				01
C909	**VV061400**	Mylar Capacitor	0.010 50V J				01
C910	**VV061500**	Mylar Capacitor	0.012 50V J				01
C911	**UA953390**	Mylar Capacitor	3900P 50V J				01
C912	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C913	**VZ352900**	Ceramic Capacitor-SL	27P 50V J				01
C914	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C915	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
C916	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C917	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
C918	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
C920	**UA954470**	Mylar Capacitor	0.0470 50V J				01
C921	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
-926	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C927	**VZ353900**	Ceramic Capacitor-B	1000P 50V K				01
C928	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
C929	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
CA01	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CA02	**VZ353700**	Ceramic Capacitor-B	330P 50V K				01
CA03	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CA04	**UR828470**	Electrolytic Cap.	470.00 10.0V				01
CA05	**VZ353700**	Ceramic Capacitor-B	330P 50V K				01
CA06	**VZ353200**	Ceramic Capacitor-SL	47P 50V J				01
CA07	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CA08	**UA954150**	Mylar Capacitor	0.0150 50V J				01
CA09	**VV061400**	Mylar Capacitor	0.010 50V J				01
CA10	**VV061500**	Mylar Capacitor	0.012 50V J				01
CA11	**UA953390**	Mylar Capacitor	3900P 50V J				01
CA12	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CA13	**VZ352900**	Ceramic Capacitor-SL	27P 50V J				01
CA14	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
CA15	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CA16	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CA17	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CA18	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
CB01	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CB02	**VZ353700**	Ceramic Capacitor-B	330P 50V K				01
CB03	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CB04	**UR828470**	Electrolytic Cap.	470.00 10.0V				01
CB05	**VZ353700**	Ceramic Capacitor-B	330P 50V K				01
CB06	**VZ353200**	Ceramic Capacitor-SL	47P 50V J				01
CB07	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CB08	**UA954150**	Mylar Capacitor	0.0150 50V J				01
CB09	**VV061400**	Mylar Capacitor	0.010 50V J				01
CB10	**VV061500**	Mylar Capacitor	0.012 50V J				01
CB11	**UA953390**	Mylar Capacitor	3900P 50V J				01
CB12	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CB13	**VZ352900**	Ceramic Capacitor-SL	27P 50V J				01
CB14	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
CB15	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CB16	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CB17	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CB18	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
CB20	**UA954470**	Mylar Capacitor	0.0470 50V J				01
CB21	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
-26	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01

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REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
CB27	**VZ353900**	Ceramic Capacitor-B	1000P 50V K				01
CB28	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
CB29	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
CC01	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CC02	**VZ353700**	Ceramic Capacitor-B	330P 50V K				01
CC03	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CC04	**UR828470**	Electrolytic Cap.	470.00 10.0V				01
CC05	**VZ353700**	Ceramic Capacitor-B	330P 50V K				01
CC06	**VZ353200**	Ceramic Capacitor-SL	47P 50V J				01
CC07	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CC08	**UA954150**	Mylar Capacitor	0.0150 50V J				01
CC09	**VV061400**	Mylar Capacitor	0.010 50V J				01
CC10	**VV061500**	Mylar Capacitor	0.012 50V J				01
CC11	**UA953390**	Mylar Capacitor	3900P 50V J				01
CC12	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CC13	**VZ352900**	Ceramic Capacitor-SL	27P 50V J				01
CC14	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
CC15	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CC16	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CC17	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CC18	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
CD01	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
-04	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CD05	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
-12	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CD13	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
-16	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
CD17	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
-20	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
CD23	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CD24	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CD25	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
-28	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CD29	**VZ353400**	Ceramic Capacitor-SL	68P 50V J				01
CD30	**VZ353400**	Ceramic Capacitor-SL	68P 50V J				01
CD31	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CD32	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CD33	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
CD34	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
CE01	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
CE02	**VZ353200**	Ceramic Capacitor-SL	47P 50V J				01
CE03	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CE04	**VZ353400**	Ceramic Capacitor-SL	68P 50V J				01
CE05	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
CE06	**UA655820**	Mylar Capacitor	0.8200 50V J				01
CE07	**UA954820**	Mylar Capacitor	0.0820 50V J				01
CE08	**UA655470**	Mylar Capacitor	0.4700 50V J				01
CE09	**UA954390**	Mylar Capacitor	0.0390 50V J				01
CE10	**UA655220**	Mylar Capacitor	0.2200 50V J				01
CE11	**UA954180**	Mylar Capacitor	0.0180 50V J				01
CE12	**V5868900**	Mylar Capacitor	0.1 50V J				
CE13	**VV061400**	Mylar Capacitor	0.010 50V J				01
CE14	**UA954470**	Mylar Capacitor	0.0470 50V J				01
CE15	**UA953470**	Mylar Capacitor	4700P 50V J				01
CE16	**UA954270**	Mylar Capacitor	0.0270 50V J				01
CE17	**UA953220**	Mylar Capacitor	2200P 50V J				01
CE18	**VV061500**	Mylar Capacitor	0.012 50V J				01
CE19	**UA953120**	Mylar Capacitor	1200P 50V J				01
CE20	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
CE21	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
CE22	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CE23	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CE24	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CE25	**VZ353400**	Ceramic Capacitor-SL	68P 50V J				01
CE26	**UR838100**	Electrolytic Cap.	100.00 16.0V				01
CE27	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CE28	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CE29	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CE30	**VZ353400**	Ceramic Capacitor-SL	68P 50V J				01
CE31	**UR838100**	Electrolytic Cap.	100.00 16.0V				01

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REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
CE32	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
-35	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
CE36	**VZ353900**	Ceramic Capacitor-B	1000P 50V K				01
CE37	**UR838100**	Electrolytic Cap.	100.00 16.0V				01
-40	**UR838100**	Electrolytic Cap.	100.00 16.0V				01
CE41	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CF01	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
CF02	**VZ353200**	Ceramic Capacitor-SL	47P 50V J				01
CF03	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CF04	**VZ353400**	Ceramic Capacitor-SL	68P 50V J				01
CF05	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
CF06	**UA655820**	Mylar Capacitor	0.8200 50V J				01
CF07	**UA954820**	Mylar Capacitor	0.0820 50V J				01
CF08	**UA655470**	Mylar Capacitor	0.4700 50V J				01
CF09	**UA954390**	Mylar Capacitor	0.0390 50V J				01
CF10	**UA655220**	Mylar Capacitor	0.2200 50V J				01
CF11	**UA954180**	Mylar Capacitor	0.0180 50V J				01
CF12	**V5868900**	Mylar Capacitor	0.1 50V J				
CF13	**VV061400**	Mylar Capacitor	0.010 50V J				01
CF14	**UA954470**	Mylar Capacitor	0.0470 50V J				01
CF15	**UA953470**	Mylar Capacitor	4700P 50V J				01
CF16	**UA954270**	Mylar Capacitor	0.0270 50V J				01
CF17	**UA953220**	Mylar Capacitor	2200P 50V J				01
CF18	**VV061500**	Mylar Capacitor	0.012 50V J				01
CF19	**UA953120**	Mylar Capacitor	1200P 50V J				01
CF20	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
CF21	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
CF22	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CF23	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CF24	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CF25	**VZ353400**	Ceramic Capacitor-SL	68P 50V J				01
CF26	**UR838100**	Electrolytic Cap.	100.00 16.0V				01
CF27	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CF28	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CF29	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CF30	**VZ353400**	Ceramic Capacitor-SL	68P 50V J				01
CF31	**UR838100**	Electrolytic Cap.	100.00 16.0V				01
CF32	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
-35	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
CF36	**VZ353900**	Ceramic Capacitor-B	1000P 50V K				01
CF37	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CG01	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CG02	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CG03	**VZ353200**	Ceramic Capacitor-SL	47P 50V J				01
CG04	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CG05	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CG06	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CG07	**VZ352800**	Ceramic Capacitor-SL	22P 50V J				01
CG08	**UR838100**	Electrolytic Cap.	100.00 16.0V				01
CG09	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
CG10	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
CG11	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CG12	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CG13	**VZ353400**	Ceramic Capacitor-SL	68P 50V J				01
CG14	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CG15	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
CG16	**UR857470**	Electrolytic Cap.	47.00 35.0V				01
CH01	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
CH02	**VZ353200**	Ceramic Capacitor-SL	47P 50V J				01
CH03	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CH04	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CH05	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CH06	**VZ352800**	Ceramic Capacitor-SL	22P 50V J				01
CH07	**UR838100**	Electrolytic Cap.	100.00 16.0V				01
CH08	**VZ353900**	Ceramic Capacitor-B	1000P 50V K				01
CH09	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
-12	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
CI01	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
CI02	**VZ353200**	Ceramic Capacitor-SL	47P 50V J				01
CI03	**UR877100**	Electrolytic Cap.	10.00 63.0V				01

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REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
CI04	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CI05	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CI06	**VZ352800**	Ceramic Capacitor-SL	22P 50V J				01
CI07	**UR838100**	Electrolytic Cap.	100.00 16.0V				01
CJ01	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
CJ02	**VZ352800**	Ceramic Capacitor-SL	22P 50V J				01
CJ03	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CJ04	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CJ05	**VZ353500**	Ceramic Capacitor-SL	100P 50V J				01
CJ06	**VZ352800**	Ceramic Capacitor-SL	22P 50V J				01
CJ07	**UR838100**	Electrolytic Cap.	100.00 16.0V				01
CJ08	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
CJ09	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
CJ10	**VZ353900**	Ceramic Capacitor-B	1000P 50V K				01
CJ11	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
CJ12	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
CK01	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
CK02	**VZ352800**	Ceramic Capacitor-SL	22P 50V J				01
CK03	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CK04	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CK06	**VZ352700**	Ceramic Capacitor-SL	10P 50V J				01
CK07	**UR838100**	Electrolytic Cap.	100.00 16.0V				01
CK08	**VZ353900**	Ceramic Capacitor-B	1000P 50V K				01
CK09	**VZ353900**	Ceramic Capacitor-B	1000P 50V K				01
CK10	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
CK11	**VZ354000**	Ceramic Capacitor-F	0.0100 50V Z				01
CK12	**UR838100**	Electrolytic Cap.	100.00 16.0V				01
CK13	**UR838100**	Electrolytic Cap.	100.00 16.0V				01
CL01	**VZ353600**	Ceramic Capacitor-B	220P 50V K				01
CL02	**VZ352800**	Ceramic Capacitor-SL	22P 50V J				01
CL03	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CL04	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CL06	**VZ352700**	Ceramic Capacitor-SL	10P 50V J				01
CL07	**UR838100**	Electrolytic Cap.	100.00 16.0V				01
CL08	**VZ353900**	Ceramic Capacitor-B	1000P 50V K				01
CM01	**UR866470**	Electrolytic Cap.	4.70 50.0V				01
CM02	**UR866470**	Electrolytic Cap.	4.70 50.0V				01
CM03	**UA954470**	Mylar Capacitor	0.0470 50V J				01
CM04	**UA954470**	Mylar Capacitor	0.0470 50V J				01
CM05	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CM06	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CM07	**UR866470**	Electrolytic Cap.	4.70 50.0V				01
CM08	**UR866470**	Electrolytic Cap.	4.70 50.0V				01
CM09	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
-12	**UR877100**	Electrolytic Cap.	10.00 63.0V				01
CNM01	**VV067200**	Base Post	12P TE				01
CNM04	**VV067300**	Base Post	13P TE				
D901	**VD631600**	Diode	1SS133,176,HSS104				01
DA01	**VD631600**	Diode	1SS133,176,HSS104				01
DB01	**VD631600**	Diode	1SS133,176,HSS104				01
DC01	**VD631600**	Diode	1SS133,176,HSS104				01
EMK01	**VV056900**	Noise Filter	ZJSR5101-223TA				01
EML01	**VV056900**	Noise Filter	ZJSR5101-223TA				01
EMM01	**VV056900**	Noise Filter	ZJSR5101-223TA				01
ENM01	**VZ303900**	Rotary Encoder	SDB161PVB				06
IC101	**XM356A00**	IC	NJM2068L-D		OP AMP		02
-104	**XM356A00**	IC	NJM2068L-D		OP AMP		02
IC201	**XM356A00**	IC	NJM2068L-D		OP AMP		02
IC301	**XM356A00**	IC	NJM2068L-D		OP AMP		02
-304	**XM356A00**	IC	NJM2068L-D		OP AMP		02
IC401	**XM356A00**	IC	NJM2068L-D		OP AMP		02
IC501	**XM356A00**	IC	NJM2068L-D		OP AMP		02
-504	**XM356A00**	IC	NJM2068L-D		OP AMP		02
IC601	**XM356A00**	IC	NJM2068L-D		OP AMP		02
IC701	**XM356A00**	IC	NJM2068L-D		OP AMP		02
-704	**XM356A00**	IC	NJM2068L-D		OP AMP		02
IC801	**XM356A00**	IC	NJM2068L-D		OP AMP		02
IC901	**XM356A00**	IC	NJM2068L-D		OP AMP		02
-904	**XM356A00**	IC	NJM2068L-D		OP AMP		02
ICB01	**XM356A00**	IC	NJM2068L-D		OP AMP		02

✻: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
-04	**XM356A00**	IC	NJM2068L-D		OP AMP		02
ICD01	**XM356A00**	IC	NJM2068L-D		OP AMP		02
-03	**XM356A00**	IC	NJM2068L-D		OP AMP		02
ICE01	**XM356A00**	IC	NJM2068L-D		OP AMP		02
ICE02	**XG203A00**	IC	M5229P		7-SEG. GRAPHIC		04
ICE03	**XF195A00**	IC	NJM4580L		OP AMP		04
ICE04	**XF195A00**	IC	NJM4580L		OP AMP		04
ICF01	**XM356A00**	IC	NJM2068L-D		OP AMP		02
ICF02	**XG203A00**	IC	M5229P		7-SEG. GRAPHIC		04
ICG01	**XF195A00**	IC	NJM4580L		OP AMP		04
ICH01	**XM356A00**	IC	NJM2068L-D		OP AMP		02
ICH02	**XF195A00**	IC	NJM4580L		OP AMP		04
ICJ01	**XM356A00**	IC	NJM2068L-D		OP AMP		02
ICJ02	**XF195A00**	IC	NJM4580L		OP AMP		04
ICK01	**XM356A00**	IC	NJM2068L-D		OP AMP		02
ICK02	**XP844A00**	IC	NJM4556AL		OP AMP		02
ICM01	**XS046A00**	IC	BA682A		LED LEVEL METER		06
ICM02	**XS046A00**	IC	BA682A		LED LEVEL METER		06
ICM03	**XJ608A00**	IC	NJM7812FA		REGULATOR 12V		02
JK101	**VU805200**	Cannon Connector	XLR NC3FAV1-0		INPUT/MIC(CH1)		04
JK102	**V2954500**	Phone Connector	LJ-0695-4R-A		INPUT/LINE(CH1)		02
JK103	**V2954500**	Phone Connector	LJ-0695-4R-A		INPUT/INSERT I/O(CH1)		02
JK201	**VU805200**	Cannon Connector	XLR NC3FAV1-0		INPUT/MIC(CH2)		04
JK202	**V2954500**	Phone Connector	LJ-0695-4R-A		INPUT/LINE(CH2)		02
JK203	**V2954500**	Phone Connector	LJ-0695-4R-A		INPUT/INSERT I/O(CH2)		02
JK301	**VU805200**	Cannon Connector	XLR NC3FAV1-0		INPUT/MIC(CH3)		04
JK302	**V2954500**	Phone Connector	LJ-0695-4R-A		INPUT/LINE(CH3)		02
JK303	**V2954500**	Phone Connector	LJ-0695-4R-A		INPUT/INSERT I/O(CH3)		02
JK401	**VU805200**	Cannon Connector	XLR NC3FAV1-0		INPUT/MIC(CH4)		04
JK402	**V2954500**	Phone Connector	LJ-0695-4R-A		INPUT/LINE(CH4)		02
JK403	**V2954500**	Phone Connector	LJ-0695-4R-A		INPUT/INSERT I/O(CH4)		02
JK501	**VU805200**	Cannon Connector	XLR NC3FAV1-0		INPUT/MIC(CH5)		04
JK502	**V2954500**	Phone Connector	LJ-0695-4R-A		INPUT/LINE(CH5)		02
JK601	**VU805200**	Cannon Connector	XLR NC3FAV1-0		INPUT/MIC(CH6)		04
JK602	**V2954500**	Phone Connector	LJ-0695-4R-A		INPUT/LINE(CH6		02
JK701	**VU805200**	Cannon Connector	XLR NC3FAV1-0		INPUT/MIC(CH7)		04
JK702	**V2954500**	Phone Connector	LJ-0695-4R-A		INPUT/LINE(CH7)		02
JK801	**VU805200**	Cannon Connector	XLR NC3FAV1-0		INPUT/MIC(CH8)		04
JK802	**V2954500**	Phone Connector	LJ-0695-4R-A		INPUT/LINE(CH8)		02
JK901	**V2954500**	Phone Connector	LJ-0695-4R-A		INPUT/9L(MONO)		02
JK902	**V4807700**	Pin Connector	RJ-1130A-09-0320A		INPUT/9L,10R,11L,12R		03
JKA01	**V2954500**	Phone Connector	LJ-0695-4R-A		INPUT/10R		02
JKB01	**V2954500**	Phone Connector	LJ-0695-4R-A		INPUT/11L(MONO)		02
JKC01	**V2954500**	Phone Connector	LJ-0695-4R-A		INPUT/12R		02
JKD01	**V2954500**	Phone Connector	LJ-0695-4R-A		INPUT/ST SUB1(L(MONO),R),		02
-04	**V2954500**	Phone Connector	LJ-0695-4R-A		ST SUB2((L(MONO),R)		02
JKD05	**V4807700**	Pin Connector	RJ-1130A-09-0320A		INPUT/TAPE(L,R), OUTPUT/REC(L,R)		03
JKE01	**V2954500**	Phone Connector	LJ-0695-4R-A		OUTPUT/L(ST1)		02
JKE02	**V2954500**	Phone Connector	LJ-0695-4R-A		OUTPUT/L(ST2)		02
JKF01	**V2954500**	Phone Connector	LJ-0695-4R-A		OUTPUT/R(ST1)		02
JKF02	**V2954500**	Phone Connector	LJ-0695-4R-A		OUTPUT/R(ST2)		02
JKG01	**V2954500**	Phone Connector	LJ-0695-4R-A		INPUT/BRIDGE L,P.AMP IN R		02
-03	**V2954500**	Phone Connector	LJ-0695-4R-A		OUTPUT/MONO		02
JKH01	**V2954500**	Phone Connector	LJ-0695-4R-A		OUTPUT/MONI 1		02
JKI01	**V2954500**	Phone Connector	LJ-0695-4R-A		OUTPUT/MONI 2		02
JKJ01	**V2954500**	Phone Connector	LJ-0695-4R-A		EFFECT		02
JKK01	**V2954500**	Phone Connector	LJ-0695-4R-A		C-R/PHONES		02
JKM01	**V2954500**	Phone Connector	LJ-0695-4R-A		FOOT SW		02
LD101	**VV620800**	LED Red	LT311G-41-C13		PEAK(CH1)		01
LD201	**VV620800**	LED Red	LT311G-41-C13		PEAK(CH2)		01
LD301	**VV620800**	LED Red	LT311G-41-C13		PEAK(CH3)		01
LD401	**VV620800**	LED Red	LT311G-41-C13		PEAK(CH4)		01
LD501	**VV620800**	LED Red	LT311G-41-C13		PEAK(CH5)		01
LD601	**VV620800**	LED Red	LT311G-41-C13		PEAK(CH6)		01
LD701	**VV620800**	LED Red	LT311G-41-C13		PEAK(CH7)		01
LD801	**VV620800**	LED Red	LT311G-41-C13		PEAK(CH8)		01
LD901	**VV620800**	LED Red	LT311G-41-C13		PEAK(CH9/10)		01
LDB01	**VV620800**	LED Red	LT311G-41-C13		PEAK(CH11/12)		01
LDM01	**VV620800**	LED Red	LT311G-41-C13		ST1 L,R(PEAK),LIMITER(L/		01

❇: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION				REMARKS	QTY	RANK
-04	**VV620800**	LED	Red	LT311G-41-C13		BRIDGE,R)		01
LDM05	**VV621000**	LED	Green	LT321-41-C13		ST1 L,R(-1,-3,-5,-7,-10,		01
-19	**VV621000**	LED	Green	LT321-41-C13		-15,-20),POWER		01
LDM20	**VV938100**	LED	Yellow	LT331-41-C13		ST1 L,R(+8,+5,+3,+1,0)		01
-30	**VV938100**	LED	Yellow	LT331-41-C13		PHANTOM		01
Q101	**IC224030**	Transistor		2SC2240 GR,BL				01
Q102	**IC224030**	Transistor		2SC2240 GR,BL				01
Q103	**IC1815M0**	Transistor		2SC1815 Y,GR				01
Q104	**IA101590**	Transistor		2SA1015 O,Y				01
Q201	**IC224030**	Transistor		2SC2240 GR,BL				01
Q202	**IC224030**	Transistor		2SC2240 GR,BL				01
Q203	**IC1815M0**	Transistor		2SC1815 Y,GR				01
Q204	**IA101590**	Transistor		2SA1015 O,Y				01
Q301	**IC224030**	Transistor		2SC2240 GR,BL				01
Q302	**IC224030**	Transistor		2SC2240 GR,BL				01
Q303	**IC1815M0**	Transistor		2SC1815 Y,GR				01
Q304	**IA101590**	Transistor		2SA1015 O,Y				01
Q401	**IC224030**	Transistor		2SC2240 GR,BL				01
Q402	**IC224030**	Transistor		2SC2240 GR,BL				01
Q403	**IC1815M0**	Transistor		2SC1815 Y,GR				01
Q404	**IA101590**	Transistor		2SA1015 O,Y				01
Q501	**IC224030**	Transistor		2SC2240 GR,BL				01
Q502	**IC224030**	Transistor		2SC2240 GR,BL				01
Q503	**IC1815M0**	Transistor		2SC1815 Y,GR				01
Q504	**IA101590**	Transistor		2SA1015 O,Y				01
Q601	**IC224030**	Transistor		2SC2240 GR,BL				01
Q602	**IC224030**	Transistor		2SC2240 GR,BL				01
Q603	**IC1815M0**	Transistor		2SC1815 Y,GR				01
Q604	**IA101590**	Transistor		2SA1015 O,Y				01
Q701	**IC224030**	Transistor		2SC2240 GR,BL				01
Q702	**IC224030**	Transistor		2SC2240 GR,BL				01
Q703	**IC1815M0**	Transistor		2SC1815 Y,GR				01
Q704	**IA101590**	Transistor		2SA1015 O,Y				01
Q801	**IC224030**	Transistor		2SC2240 GR,BL				01
Q802	**IC224030**	Transistor		2SC2240 GR,BL				01
Q803	**IC1815M0**	Transistor		2SC1815 Y,GR				01
Q804	**IA101590**	Transistor		2SA1015 O,Y				01
Q901	**IC1815M0**	Transistor		2SC1815 Y,GR				01
Q902	**IA101590**	Transistor		2SA1015 O,Y				01
QB01	**IC1815M0**	Transistor		2SC1815 Y,GR				01
QB02	**IA101590**	Transistor		2SA1015 O,Y				01
QM01	**IC1815M0**	Transistor		2SC1815 Y,GR				01
QM02	**IC1815M0**	Transistor		2SC1815 Y,GR				01
QM03	**IA101590**	Transistor		2SA1015 O,Y				01
QM04	**IA101590**	Transistor		2SA1015 O,Y				01
R101	**HF458100**	Carbon Resistor		100.0K 1/4 J				01
R102	**VV058400**	Flame Proof C. Resistor		390.0 1/4 J				01
R103	**VV065300**	Metal Film Resistor		6.8K 1/4 F				01
R104	**VV065300**	Metal Film Resistor		6.8K 1/4 F				01
R105	**HF458100**	Carbon Resistor		100.0K 1/4 J				01
R106	**HF458100**	Carbon Resistor		100.0K 1/4 J				01
R107	**VV066000**	Metal Film Resistor		33K 1/4 F				01
R108	**VV066000**	Metal Film Resistor		33K 1/4 F				01
R109	**VV065200**	Metal Film Resistor		4.7K 1/4 F				05
R110	**HF454100**	Carbon Resistor		10.0 1/4 J				01
-113	**HF454100**	Carbon Resistor		10.0 1/4 J				01
R114	**VV066100**	Metal Film Resistor		47K 1/4 F				01
R115	**VV066100**	Metal Film Resistor		47K 1/4 F				01
R116	**VV064900**	Metal Film Resistor		20.0 1/4 F				01
R117	**VF459100**	Metal Film Resistor		2.2K 1/4 F				01
R118	**VF459100**	Metal Film Resistor		2.2K 1/4 F				01
R119	**VV065400**	Metal Film Resistor		8.2K 1/4 F				01
R120	**VV065400**	Metal Film Resistor		8.2K 1/4 F				01
R121	**VV065900**	Metal Film Resistor		24K 1/4 F				01
R122	**VV065900**	Metal Film Resistor		24K 1/4 F				01
R123	**VV065200**	Metal Film Resistor		4.7K 1/4 F				05
R124	**VV065200**	Metal Film Resistor		4.7K 1/4 F				05
R125	**HF457100**	Carbon Resistor		10.0K 1/4 J				01
-127	**HF457100**	Carbon Resistor		10.0K 1/4 J				01
R128	**HF455680**	Carbon Resistor		680.0 1/4 J				01

✻: New Parts

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REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
R129	**HF455680**	Carbon Resistor	680.0 1/4 J				01
R130	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
-132	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
R133	**HF454100**	Carbon Resistor	10.0 1/4 J				01
R134	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R135	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R136	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R137	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
R138	**HF454100**	Carbon Resistor	10.0 1/4 J				01
R139	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R140	**HF456820**	Carbon Resistor	8.2K 1/4 J				01
R141	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R142	**HF456470**	Carbon Resistor	4.7K 1/4 J				01
R143	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R144	**HF456330**	Carbon Resistor	3.3K 1/4 J				01
R145	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
-149	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
R150	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
R151	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
R152	**HF455180**	Carbon Resistor	180.0 1/4 J				01
R153	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
-156	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
R201	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R202	**VV058400**	Flame Proof C. Resistor	390.0 1/4 J				01
R203	**VV065300**	Metal Film Resistor	6.8K 1/4 F				01
R204	**VV065300**	Metal Film Resistor	6.8K 1/4 F				01
R205	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R206	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R207	**VV066000**	Metal Film Resistor	33K 1/4 F				01
R208	**VV066000**	Metal Film Resistor	33K 1/4 F				01
R209	**VV065200**	Metal Film Resistor	4.7K 1/4 F				05
R210	**HF454100**	Carbon Resistor	10.0 1/4 J				01
-213	**HF454100**	Carbon Resistor	10.0 1/4 J				01
R214	**VV066100**	Metal Film Resistor	47K 1/4 F				01
R215	**VV066100**	Metal Film Resistor	47K 1/4 F				01
R216	**VV064900**	Metal Film Resistor	20.0 1/4 F				01
R217	**VF459100**	Metal Film Resistor	2.2K 1/4 F				01
R218	**VF459100**	Metal Film Resistor	2.2K 1/4 F				01
R219	**VV065400**	Metal Film Resistor	8.2K 1/4 F				01
R220	**VV065400**	Metal Film Resistor	8.2K 1/4 F				01
R221	**VV065900**	Metal Film Resistor	24K 1/4 F				01
R222	**VV065900**	Metal Film Resistor	24K 1/4 F				01
R223	**VV065200**	Metal Film Resistor	4.7K 1/4 F				05
R224	**VV065200**	Metal Film Resistor	4.7K 1/4 F				05
R225	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
-227	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
R228	**HF455680**	Carbon Resistor	680.0 1/4 J				01
R229	**HF455680**	Carbon Resistor	680.0 1/4 J				01
R230	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
-232	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
R233	**HF454100**	Carbon Resistor	10.0 1/4 J				01
R234	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R235	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R236	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R237	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
R238	**HF454100**	Carbon Resistor	10.0 1/4 J				01
R239	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R240	**HF456820**	Carbon Resistor	8.2K 1/4 J				01
R241	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R242	**HF456470**	Carbon Resistor	4.7K 1/4 J				01
R243	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R244	**HF456330**	Carbon Resistor	3.3K 1/4 J				01
R245	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
-249	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
R250	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
R251	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
R252	**HF455180**	Carbon Resistor	180.0 1/4 J				01
R253	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
-256	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
R301	**HF458100**	Carbon Resistor	100.0K 1/4 J				01

✻: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
R302	**VV058400**	Flame Proof C. Resistor	390.0 1/4 J				01
R303	**VV065300**	Metal Film Resistor	6.8K 1/4 F				01
R304	**VV065300**	Metal Film Resistor	6.8K 1/4 F				01
R305	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R306	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R307	**VV066000**	Metal Film Resistor	33K 1/4 F				01
R308	**VV066000**	Metal Film Resistor	33K 1/4 F				01
R309	**VV065200**	Metal Film Resistor	4.7K 1/4 F				05
R310	**HF454100**	Carbon Resistor	10.0 1/4 J				01
-313	**HF454100**	Carbon Resistor	10.0 1/4 J				01
R314	**VV066100**	Metal Film Resistor	47K 1/4 F				01
R315	**VV066100**	Metal Film Resistor	47K 1/4 F				01
R316	**VV064900**	Metal Film Resistor	20.0 1/4 F				01
R317	**VF459100**	Metal Film Resistor	2.2K 1/4 F				01
R318	**VF459100**	Metal Film Resistor	2.2K 1/4 F				01
R319	**VV065400**	Metal Film Resistor	8.2K 1/4 F				01
R320	**VV065400**	Metal Film Resistor	8.2K 1/4 F				01
R321	**VV065900**	Metal Film Resistor	24K 1/4 F				01
R322	**VV065900**	Metal Film Resistor	24K 1/4 F				01
R323	**VV065200**	Metal Film Resistor	4.7K 1/4 F				05
R324	**VV065200**	Metal Film Resistor	4.7K 1/4 F				05
R325	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
-327	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
R328	**HF455680**	Carbon Resistor	680.0 1/4 J				01
R329	**HF455680**	Carbon Resistor	680.0 1/4 J				01
R330	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
-332	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
R333	**HF454100**	Carbon Resistor	10.0 1/4 J				01
R334	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R335	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R336	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R337	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
R338	**HF454100**	Carbon Resistor	10.0 1/4 J				01
R339	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R340	**HF456820**	Carbon Resistor	8.2K 1/4 J				01
R341	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R342	**HF456470**	Carbon Resistor	4.7K 1/4 J				01
R343	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R344	**HF456330**	Carbon Resistor	3.3K 1/4 J				01
R345	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
-349	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
R350	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
R351	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
R352	**HF455180**	Carbon Resistor	180.0 1/4 J				01
R353	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
-356	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
R401	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R402	**VV058400**	Flame Proof C. Resistor	390.0 1/4 J				01
R403	**VV065300**	Metal Film Resistor	6.8K 1/4 F				01
R404	**VV065300**	Metal Film Resistor	6.8K 1/4 F				01
R405	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R406	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R407	**VV066000**	Metal Film Resistor	33K 1/4 F				01
R408	**VV066000**	Metal Film Resistor	33K 1/4 F				01
R409	**VV065200**	Metal Film Resistor	4.7K 1/4 F				05
R410	**HF454100**	Carbon Resistor	10.0 1/4 J				01
-413	**HF454100**	Carbon Resistor	10.0 1/4 J				01
R414	**VV066100**	Metal Film Resistor	47K 1/4 F				01
R415	**VV066100**	Metal Film Resistor	47K 1/4 F				01
R416	**VV064900**	Metal Film Resistor	20.0 1/4 F				01
R417	**VF459100**	Metal Film Resistor	2.2K 1/4 F				01
R418	**VF459100**	Metal Film Resistor	2.2K 1/4 F				01
R419	**VV065400**	Metal Film Resistor	8.2K 1/4 F				01
R420	**VV065400**	Metal Film Resistor	8.2K 1/4 F				01
R421	**VV065900**	Metal Film Resistor	24K 1/4 F				01
R422	**VV065900**	Metal Film Resistor	24K 1/4 F				01
R423	**VV065200**	Metal Film Resistor	4.7K 1/4 F				05
R424	**VV065200**	Metal Film Resistor	4.7K 1/4 F				05
R425	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
-427	**HF457100**	Carbon Resistor	10.0K 1/4 J				01

✻: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
R428	**HF455680**	Carbon Resistor	680.0 1/4 J				01
R429	**HF455680**	Carbon Resistor	680.0 1/4 J				01
R430	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
-432	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
R433	**HF454100**	Carbon Resistor	10.0 1/4 J				01
R434	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R435	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R436	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R437	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
R438	**HF454100**	Carbon Resistor	10.0 1/4 J				01
R439	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R440	**HF456820**	Carbon Resistor	8.2K 1/4 J				01
R441	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R442	**HF456470**	Carbon Resistor	4.7K 1/4 J				01
R443	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R444	**HF456330**	Carbon Resistor	3.3K 1/4 J				01
R445	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
-449	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
R450	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
R451	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
R452	**HF455180**	Carbon Resistor	180.0 1/4 J				01
R453	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
-456	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
R501	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R502	**VV058400**	Flame Proof C. Resistor	390.0 1/4 J				01
R503	**VV065300**	Metal Film Resistor	6.8K 1/4 F				01
R504	**VV065300**	Metal Film Resistor	6.8K 1/4 F				01
R505	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R506	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R507	**VV066000**	Metal Film Resistor	33K 1/4 F				01
R508	**VV066000**	Metal Film Resistor	33K 1/4 F				01
R509	**VV065200**	Metal Film Resistor	4.7K 1/4 F				05
R510	**HF454100**	Carbon Resistor	10.0 1/4 J				01
-513	**HF454100**	Carbon Resistor	10.0 1/4 J				01
R514	**VV066100**	Metal Film Resistor	47K 1/4 F				01
R515	**VV066100**	Metal Film Resistor	47K 1/4 F				01
R516	**VV064900**	Metal Film Resistor	20.0 1/4 F				01
R517	**VF459100**	Metal Film Resistor	2.2K 1/4 F				01
R518	**VF459100**	Metal Film Resistor	2.2K 1/4 F				01
R519	**VV065400**	Metal Film Resistor	8.2K 1/4 F				01
R520	**VV065400**	Metal Film Resistor	8.2K 1/4 F				01
R521	**VV065900**	Metal Film Resistor	24K 1/4 F				01
R522	**VV065900**	Metal Film Resistor	24K 1/4 F				01
R523	**VV065200**	Metal Film Resistor	4.7K 1/4 F				05
R524	**VV065200**	Metal Film Resistor	4.7K 1/4 F				05
R525	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
-527	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
R528	**HF455680**	Carbon Resistor	680.0 1/4 J				01
R529	**HF455680**	Carbon Resistor	680.0 1/4 J				01
R530	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
-532	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
R533	**HF455180**	Carbon Resistor	180.0 1/4 J				01
R535	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R536	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R537	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
R538	**HF454100**	Carbon Resistor	10.0 1/4 J				01
R539	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R540	**HF456820**	Carbon Resistor	8.2K 1/4 J				01
R541	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R542	**HF456470**	Carbon Resistor	4.7K 1/4 J				01
R543	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R544	**HF456330**	Carbon Resistor	3.3K 1/4 J				01
R545	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
-549	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
R550	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
R551	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
R552	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
-555	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
R601	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R602	**VV058400**	Flame Proof C. Resistor	390.0 1/4 J				01

✻: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
R603	**VV065300**	Metal Film Resistor	6.8K 1/4 F				01
R604	**VV065300**	Metal Film Resistor	6.8K 1/4 F				01
R605	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R606	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R607	**VV066000**	Metal Film Resistor	33K 1/4 F				01
R608	**VV066000**	Metal Film Resistor	33K 1/4 F				01
R609	**VV065200**	Metal Film Resistor	4.7K 1/4 F				05
R610	**HF454100**	Carbon Resistor	10.0 1/4 J				01
-613	**HF454100**	Carbon Resistor	10.0 1/4 J				01
R614	**VV066100**	Metal Film Resistor	47K 1/4 F				01
R615	**VV066100**	Metal Film Resistor	47K 1/4 F				01
R616	**VV064900**	Metal Film Resistor	20.0 1/4 F				01
R617	**VV065100**	Metal Film Resistor	2.2K 1/4 F				01
R618	**VV065100**	Metal Film Resistor	2.2K 1/4 F				01
R619	**VV065400**	Metal Film Resistor	8.2K 1/4 F				01
R620	**VV065400**	Metal Film Resistor	8.2K 1/4 F				01
R621	**VV065900**	Metal Film Resistor	24K 1/4 F				01
R622	**VV065900**	Metal Film Resistor	24K 1/4 F				01
R623	**VV065200**	Metal Film Resistor	4.7K 1/4 F				05
R624	**VV065200**	Metal Film Resistor	4.7K 1/4 F				05
R625	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
-627	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
R628	**HF455680**	Carbon Resistor	680.0 1/4 J				01
R629	**HF455680**	Carbon Resistor	680.0 1/4 J				01
R630	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
-632	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
R633	**HF455180**	Carbon Resistor	180.0 1/4 J				01
R635	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R636	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R637	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
R638	**HF454100**	Carbon Resistor	10.0 1/4 J				01
R639	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R640	**HF456820**	Carbon Resistor	8.2K 1/4 J				01
R641	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R642	**HF456470**	Carbon Resistor	4.7K 1/4 J				01
R643	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R644	**HF456330**	Carbon Resistor	3.3K 1/4 J				01
R645	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
R646	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
-649	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
R650	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
R651	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
R652	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
-655	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
R701	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R702	**VV058400**	Flame Proof C. Resistor	390.0 1/4 J				01
R703	**VV065300**	Metal Film Resistor	6.8K 1/4 F				01
R704	**VV065300**	Metal Film Resistor	6.8K 1/4 F				01
R705	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R706	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R707	**VV066000**	Metal Film Resistor	33K 1/4 F				01
R708	**VV066000**	Metal Film Resistor	33K 1/4 F				01
R709	**VV065200**	Metal Film Resistor	4.7K 1/4 F				05
R710	**HF454100**	Carbon Resistor	10.0 1/4 J				01
-713	**HF454100**	Carbon Resistor	10.0 1/4 J				01
R714	**VV066100**	Metal Film Resistor	47K 1/4 F				01
R715	**VV066100**	Metal Film Resistor	47K 1/4 F				01
R716	**VV064900**	Metal Film Resistor	20.0 1/4 F				01
R717	**VF459100**	Metal Film Resistor	2.2K 1/4 F				01
R718	**VF459100**	Metal Film Resistor	2.2K 1/4 F				01
R719	**VV065400**	Metal Film Resistor	8.2K 1/4 F				01
R720	**VV065400**	Metal Film Resistor	8.2K 1/4 F				01
R721	**VV065900**	Metal Film Resistor	24K 1/4 F				01
R722	**VV065900**	Metal Film Resistor	24K 1/4 F				01
R723	**VV065200**	Metal Film Resistor	4.7K 1/4 F				05
R724	**VV065200**	Metal Film Resistor	4.7K 1/4 F				05
R725	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
-727	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
R728	**HF455680**	Carbon Resistor	680.0 1/4 J				01
R729	**HF455680**	Carbon Resistor	680.0 1/4 J				01

✻: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
R730	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
-732	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
R733	**HF455180**	Carbon Resistor	180.0 1/4 J				01
R735	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R736	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R737	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
R738	**HF454100**	Carbon Resistor	10.0 1/4 J				01
R739	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R740	**HF456820**	Carbon Resistor	8.2K 1/4 J				01
R741	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R742	**HF456470**	Carbon Resistor	4.7K 1/4 J				01
R743	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R744	**HF456330**	Carbon Resistor	3.3K 1/4 J				01
R745	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
-749	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
R750	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
R751	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
R752	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
-755	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
R801	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R802	**VV058400**	Flame Proof C. Resistor	390.0 1/4 J				01
R803	**VV065300**	Metal Film Resistor	6.8K 1/4 F				01
R804	**VV065300**	Metal Film Resistor	6.8K 1/4 F				01
R805	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R806	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R807	**VV066000**	Metal Film Resistor	33K 1/4 F				01
R808	**VV066000**	Metal Film Resistor	33K 1/4 F				01
R809	**VV065200**	Metal Film Resistor	4.7K 1/4 F				05
R810	**HF454100**	Carbon Resistor	10.0 1/4 J				01
-813	**HF454100**	Carbon Resistor	10.0 1/4 J				01
R814	**VV066100**	Metal Film Resistor	47K 1/4 F				01
R815	**VV066100**	Metal Film Resistor	47K 1/4 F				01
R816	**VV064900**	Metal Film Resistor	20.0 1/4 F				01
R817	**VF459100**	Metal Film Resistor	2.2K 1/4 F				01
R818	**VF459100**	Metal Film Resistor	2.2K 1/4 F				01
R819	**VV065400**	Metal Film Resistor	8.2K 1/4 F				01
R820	**VV065400**	Metal Film Resistor	8.2K 1/4 F				01
R821	**VV065900**	Metal Film Resistor	24K 1/4 F				01
R822	**VV065900**	Metal Film Resistor	24K 1/4 F				01
R823	**VV065200**	Metal Film Resistor	4.7K 1/4 F				05
R824	**VV065200**	Metal Film Resistor	4.7K 1/4 F				05
R825	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
-827	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
R828	**HF455680**	Carbon Resistor	680.0 1/4 J				01
R829	**HF455680**	Carbon Resistor	680.0 1/4 J				01
R830	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
-832	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
R833	**HF455180**	Carbon Resistor	180.0 1/4 J				01
R835	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R836	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R837	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
R838	**HF454100**	Carbon Resistor	10.0 1/4 J				01
R839	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R840	**HF456820**	Carbon Resistor	8.2K 1/4 J				01
R841	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R842	**HF456470**	Carbon Resistor	4.7K 1/4 J				01
R843	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R844	**HF456330**	Carbon Resistor	3.3K 1/4 J				01
R845	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
-849	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
R850	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
R851	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
R852	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
-855	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
R901	**HF458240**	Carbon Resistor	240.0K 1/4 J				01
R902	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
R903	**HF456470**	Carbon Resistor	4.7K 1/4 J				01
R904	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R905	**HF455120**	Carbon Resistor	120.0 1/4 J				01
R906	**HF457200**	Carbon Resistor	20.0K 1/4 J				01

✻: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
R907	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
-909	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
R910	**HF455680**	Carbon Resistor	680.0 1/4 J				01
R911	**HF455680**	Carbon Resistor	680.0 1/4 J				01
R912	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
-914	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
R915	**HF454100**	Carbon Resistor	10.0 1/4 J				01
R916	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R917	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R918	**HF455220**	Carbon Resistor	220.0 1/4 J				01
R919	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
R920	**HF454100**	Carbon Resistor	10.0 1/4 J				01
R921	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
R922	**HF457270**	Carbon Resistor	27.0K 1/4 J				01
-924	**HF457270**	Carbon Resistor	27.0K 1/4 J				01
R925	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
R926	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R927	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
R928	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R929	**HF456470**	Carbon Resistor	4.7K 1/4 J				01
R930	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
R931	**HF456330**	Carbon Resistor	3.3K 1/4 J				01
R932	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RA01	**HF458240**	Carbon Resistor	240.0K 1/4 J				01
RA02	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RA03	**HF456470**	Carbon Resistor	4.7K 1/4 J				01
RA04	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RA05	**HF455120**	Carbon Resistor	120.0 1/4 J				01
RA06	**HF457200**	Carbon Resistor	20.0K 1/4 J				01
RA07	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
-09	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RA10	**HF455680**	Carbon Resistor	680.0 1/4 J				01
RA11	**HF455680**	Carbon Resistor	680.0 1/4 J				01
RA12	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
-14	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
RA15	**HF454100**	Carbon Resistor	10.0 1/4 J				01
RA16	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RA17	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RA18	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RA19	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RA20	**HF454100**	Carbon Resistor	10.0 1/4 J				01
RA21	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RA22	**HF457270**	Carbon Resistor	27.0K 1/4 J				01
-24	**HF457270**	Carbon Resistor	27.0K 1/4 J				01
RA25	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
RA26	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RB01	**HF458240**	Carbon Resistor	240.0K 1/4 J				01
RB02	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RB03	**HF456470**	Carbon Resistor	4.7K 1/4 J				01
RB04	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RB05	**HF455120**	Carbon Resistor	120.0 1/4 J				01
RB06	**HF457200**	Carbon Resistor	20.0K 1/4 J				01
RB07	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
-09	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RB10	**HF455680**	Carbon Resistor	680.0 1/4 J				01
RB11	**HF455680**	Carbon Resistor	680.0 1/4 J				01
RB12	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
-14	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
RB15	**HF454100**	Carbon Resistor	10.0 1/4 J				01
RB16	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RB17	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RB18	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RB19	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RB20	**HF454100**	Carbon Resistor	10.0 1/4 J				01
RB21	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RB22	**HF457270**	Carbon Resistor	27.0K 1/4 J				01
-24	**HF457270**	Carbon Resistor	27.0K 1/4 J				01
RB25	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
RB26	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RB27	**HF457100**	Carbon Resistor	10.0K 1/4 J				01

✻: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
RB28	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RB29	**HF456470**	Carbon Resistor	4.7K 1/4 J				01
RB30	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RB31	**HF456330**	Carbon Resistor	3.3K 1/4 J				01
RB32	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RC01	**HF458240**	Carbon Resistor	240.0K 1/4 J				01
RC02	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RC03	**HF456470**	Carbon Resistor	4.7K 1/4 J				01
RC04	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RC05	**HF455120**	Carbon Resistor	120.0 1/4 J				01
RC06	**HF457200**	Carbon Resistor	20.0K 1/4 J				01
RC07	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
-09	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RC10	**HF455680**	Carbon Resistor	680.0 1/4 J				01
RC11	**HF455680**	Carbon Resistor	680.0 1/4 J				01
RC12	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
-14	**HF456270**	Carbon Resistor	2.7K 1/4 J				01
RC15	**HF454100**	Carbon Resistor	10.0 1/4 J				01
RC16	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RC17	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RC18	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RC19	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RC20	**HF454100**	Carbon Resistor	10.0 1/4 J				01
RC21	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RC22	**HF457270**	Carbon Resistor	27.0K 1/4 J				01
-24	**HF457270**	Carbon Resistor	27.0K 1/4 J				01
RC25	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
RC26	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RD01	**HF456390**	Carbon Resistor	3.9K 1/4 J				01
-04	**HF456390**	Carbon Resistor	3.9K 1/4 J				01
RD05	**HF456680**	Carbon Resistor	6.8K 1/4 J				01
-08	**HF456680**	Carbon Resistor	6.8K 1/4 J				01
RD09	**HF455220**	Carbon Resistor	220.0 1/4 J				01
-12	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RD13	**HF454100**	Carbon Resistor	10.0 1/4 J				01
-16	**HF454100**	Carbon Resistor	10.0 1/4 J				01
RD17	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RD18	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RD19	**HF457270**	Carbon Resistor	27.0K 1/4 J				01
-22	**HF457270**	Carbon Resistor	27.0K 1/4 J				01
RD23	**HF457360**	Carbon Resistor	36.0K 1/4 J				01
RD24	**HF457360**	Carbon Resistor	36.0K 1/4 J				01
RD25	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RD26	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RD27	**HF457270**	Carbon Resistor	27.0K 1/4 J				01
-30	**HF457270**	Carbon Resistor	27.0K 1/4 J				01
RD31	**HF457360**	Carbon Resistor	36.0K 1/4 J				01
RD32	**HF457360**	Carbon Resistor	36.0K 1/4 J				01
RD33	**HF458120**	Carbon Resistor	120.0K 1/4 J				01
RD34	**HF458120**	Carbon Resistor	120.0K 1/4 J				01
RD35	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RD36	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RD37	**HF457120**	Carbon Resistor	12.0K 1/4 J				01
RD38	**HF457120**	Carbon Resistor	12.0K 1/4 J				01
RD39	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RD40	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RD41	**HF456680**	Carbon Resistor	6.8K 1/4 J				01
RD42	**HF456680**	Carbon Resistor	6.8K 1/4 J				01
RD43	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RD44	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RD45	**HF454100**	Carbon Resistor	10.0 1/4 J				01
RD46	**HF454100**	Carbon Resistor	10.0 1/4 J				01
RD47	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RD48	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RD49	**HF457360**	Carbon Resistor	36.0K 1/4 J				01
RD50	**HF457360**	Carbon Resistor	36.0K 1/4 J				01
RD51	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RD52	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RD53	**HF457270**	Carbon Resistor	27.0K 1/4 J				01
-56	**HF457270**	Carbon Resistor	27.0K 1/4 J				01

✻: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
RE01	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RE02	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RE03	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RE04	**HF456330**	Carbon Resistor	3.3K 1/4 J				01
RE05	**HF456330**	Carbon Resistor	3.3K 1/4 J				01
RE06	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RE07	**HF457120**	Carbon Resistor	12.0K 1/4 J				01
RE08	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RE09	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
RE10	**HF456220**	Carbon Resistor	2.2K 1/4 J				01
RE11	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RE12	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RE13	**HF454750**	Carbon Resistor	75.0 1/4 J				01
RE14	**HF457120**	Carbon Resistor	12.0K 1/4 J				01
RE15	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RE16	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
RE17	**HF456220**	Carbon Resistor	2.2K 1/4 J				01
RE18	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RE19	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RE20	**HF454750**	Carbon Resistor	75.0 1/4 J				01
RE21	**HF456150**	Carbon Resistor	1.5K 1/4 J				01
RE22	**HF456120**	Carbon Resistor	1.2K 1/4 J				01
RE23	**HF457330**	Carbon Resistor	33.0K 1/4 J				01
RE24	**HF454750**	Carbon Resistor	75.0 1/4 J				01
RE25	**HF454750**	Carbon Resistor	75.0 1/4 J				01
RF01	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RF02	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RF03	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RF04	**HF456330**	Carbon Resistor	3.3K 1/4 J				01
RF05	**HF456330**	Carbon Resistor	3.3K 1/4 J				01
RF06	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RF07	**HF457120**	Carbon Resistor	12.0K 1/4 J				01
RF08	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RF09	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
RF10	**HF456220**	Carbon Resistor	2.2K 1/4 J				01
RF11	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RF12	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RF13	**HF454750**	Carbon Resistor	75.0 1/4 J				01
RF14	**HF457120**	Carbon Resistor	12.0K 1/4 J				01
RF15	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RF16	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
RF17	**HF456220**	Carbon Resistor	2.2K 1/4 J				01
RF18	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RF19	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RF20	**HF454750**	Carbon Resistor	75.0 1/4 J				01
RF21	**HF456150**	Carbon Resistor	1.5K 1/4 J				01
RF22	**HF456120**	Carbon Resistor	1.2K 1/4 J				01
RF23	**HF457330**	Carbon Resistor	33.0K 1/4 J				01
RF24	**HF454750**	Carbon Resistor	75.0 1/4 J				01
RF25	**HF454750**	Carbon Resistor	75.0 1/4 J				01
RG01	**HF457270**	Carbon Resistor	27.0K 1/4 J				01
RG02	**HF457270**	Carbon Resistor	27.0K 1/4 J				01
RG03	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RG04	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RG05	**HF457330**	Carbon Resistor	33.0K 1/4 J				01
RG06	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RG07	**HF454750**	Carbon Resistor	75.0 1/4 J				01
RG08	**VV065600**	Metal Film Resistor	11K 1/4 F				05
RG09	**VV065600**	Metal Film Resistor	11K 1/4 F				05
RG10	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RG11	**HF457330**	Carbon Resistor	33.0K 1/4 J				01
RG12	**HF457330**	Carbon Resistor	33.0K 1/4 J				01
RG13	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RG14	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RG15	**VV065600**	Metal Film Resistor	11K 1/4 F				05
RG16	**HF454750**	Carbon Resistor	75.0 1/4 J				01
RH01	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RH02	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RH03	**HF457330**	Carbon Resistor	33.0K 1/4 J				01
RH04	**HF457100**	Carbon Resistor	10.0K 1/4 J				01

✻: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
RH05	**HF454750**	Carbon Resistor	75.0 1/4 J				01
RH06	**HF457330**	Carbon Resistor	33.0K 1/4 J				01
RH07	**HF457330**	Carbon Resistor	33.0K 1/4 J				01
RH08	**HF454750**	Carbon Resistor	75.0 1/4 J				01
RI01	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RI02	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RI03	**HF457330**	Carbon Resistor	33.0K 1/4 J				01
RI04	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RI05	**HF454750**	Carbon Resistor	75.0 1/4 J				01
RI06	**HF457330**	Carbon Resistor	33.0K 1/4 J				01
RI07	**HF457330**	Carbon Resistor	33.0K 1/4 J				01
RI08	**HF454750**	Carbon Resistor	75.0 1/4 J				01
RJ01	**HF457360**	Carbon Resistor	36.0K 1/4 J				01
RJ02	**HF454100**	Carbon Resistor	10.0 1/4 J				01
RJ03	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RJ04	**HF457330**	Carbon Resistor	33.0K 1/4 J				01
RJ05	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RJ06	**HF454750**	Carbon Resistor	75.0 1/4 J				01
RJ07	**HF457330**	Carbon Resistor	33.0K 1/4 J				01
RJ08	**HF457330**	Carbon Resistor	33.0K 1/4 J				01
RJ09	**HF454750**	Carbon Resistor	75.0 1/4 J				01
RK01	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
RK02	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RK03	**HF458180**	Carbon Resistor	180.0K 1/4 J				01
RK04	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RK05	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RK06	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RK07	**VV058500**	Flame Proof C. Resistor	10.0 1/4 J				01
RK08	**VV058500**	Flame Proof C. Resistor	10.0 1/4 J				01
RL01	**HF457680**	Carbon Resistor	68.0K 1/4 J				01
RL02	**HF457180**	Carbon Resistor	18.0K 1/4 J				01
RL03	**HF458180**	Carbon Resistor	180.0K 1/4 J				01
RL04	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RL05	**HF455220**	Carbon Resistor	220.0 1/4 J				01
RL06	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RM01	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RM02	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RM03	**HF456820**	Carbon Resistor	8.2K 1/4 J				01
RM04	**HF456820**	Carbon Resistor	8.2K 1/4 J				01
RM05	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RM06	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RM07	**HF456470**	Carbon Resistor	4.7K 1/4 J				01
RM08	**HF456470**	Carbon Resistor	4.7K 1/4 J				01
RM09	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RM10	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RM11	**HF456330**	Carbon Resistor	3.3K 1/4 J				01
RM12	**HF456330**	Carbon Resistor	3.3K 1/4 J				01
RM13	**HF458240**	Carbon Resistor	240.0K 1/4 J				01
RM14	**HF458240**	Carbon Resistor	240.0K 1/4 J				01
RM15	**HF455330**	Carbon Resistor	330.0 1/4 J				01
RM16	**HF455330**	Carbon Resistor	330.0 1/4 J				01
RM17	**HF457470**	Carbon Resistor	47.0K 1/4 J				01
RM18	**HF457470**	Carbon Resistor	47.0K 1/4 J				01
RM19	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RM20	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RM21	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RM22	**HF458100**	Carbon Resistor	100.0K 1/4 J				01
RM23	**HF456330**	Carbon Resistor	3.3K 1/4 J				01
RM24	**HF456560**	Carbon Resistor	5.6K 1/4 J				01
RM25	**HF457470**	Carbon Resistor	47.0K 1/4 J				01
RM26	**HF457470**	Carbon Resistor	47.0K 1/4 J				01
RM27	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
RM28	**HF457100**	Carbon Resistor	10.0K 1/4 J				01
SW101	**V2947300**	Push Switch	ESB31L402		PFL(CH1)		02
SW201	**V2947300**	Push Switch	ESB31L402		PFL(CH2)		02
SW301	**V2947300**	Push Switch	ESB31L402		PFL(CH3)		02
SW401	**V2947300**	Push Switch	ESB31L402		PFL(CH4)		02
SW501	**V2947300**	Push Switch	ESB31L402		PFL(CH5)		02
SW601	**V2947300**	Push Switch	ESB31L402		PFL(CH6)		02
SW701	**V2947300**	Push Switch	ESB31L402		PFL(CH7)		02

✻: New Parts

RANK: Japan only

REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
SW801	**V2947300**	Push Switch	ESB31L402		PFL(CH8)		02
SW901	**V2947300**	Push Switch	ESB31L402		A,B(CH9/10)		02
SW902	**V2947300**	Push Switch	ESB31L402		PFL(CH9/10)		02
SWB01	**V2947300**	Push Switch	ESB31L402		A,B(CH11/12)		02
SWB02	**V2947300**	Push Switch	ESB31L402		PFL(CH11/12)		02
SWD01	**V2947300**	Push Switch	ESB31L402		PFL(ST SUB1,2,TAPE IN,		02
-04	**V2947300**	Push Switch	ESB31L402		D.EFFECT ON)		02
SWE01	**V2947300**	Push Switch	ESB31L402		G.EQ ON		02
SWE02	**V2947300**	Push Switch	ESB31L402		AFL(ST1)		02
SWG01	**V2947300**	Push Switch	ESB31L402		AFL(MONO)		02
SWG02	**VZ253800**	Slide Switch	SS008-P2430BB-PA6		POWER AMP Select Switch		03
SWH01	**V2947300**	Push Switch	ESB31L402		AFL(MONI1)		02
SWI01	**V2947300**	Push Switch	ESB31L402		AFL(MONI2		02
SWJ01	**V2947300**	Push Switch	ESB31L402		AFL(EFFECT)		02
SWM01	**VV051500**	Slide Switch	SSSU012NB1-YL		PHANTOM ON/OFF		02
VR101	**V6159600**	Rotary Variable Resistor	RD 5K RK09D113		CH1(GAIN)		01
VR102	**V5521600**	Rotary Variable Resistor	B 50.0K RD09F113		CH1(HIGH,MID,LOW)		01
-104	**V5521600**	Rotary Variable Resistor	B 50.0K RD09F113				01
VR105	**VU804100**	Slide Variable Resistor	RS6011YG6036-10KA		CH1(Fader)		04
VR106	**VZ610800**	Rotary Variable Resistor	AC 20K RK12L123		CH1(PAN)		03
VR107	**V5521500**	Rotary Variable Resistor	A 20.0K RK09D113		CH1(EFFECT,MONI1,2)		01
-109	**V5521500**	Rotary Variable Resistor	A 20.0K RK09D113				01
VR201	**V6159600**	Rotary Variable Resistor	RD 5K RK09D113		CH2(GAIN)		01
VR202	**V5521600**	Rotary Variable Resistor	B 50.0K RD09F113		CH2(HIGH,MID,LOW)		01
-204	**V5521600**	Rotary Variable Resistor	B 50.0K RD09F113				01
VR205	**VU804100**	Slide Variable Resistor	RS6011YG6036-10KA		CH2(Fader)		04
VR206	**VZ610800**	Rotary Variable Resistor	AC 20K RK12L123		CH2(PAN)		03
VR207	**V5521500**	Rotary Variable Resistor	A 20.0K RK09D113		CH2(EFFECT,MONI1,2)		01
-209	**V5521500**	Rotary Variable Resistor	A 20.0K RK09D113				01
VR301	**V6159600**	Rotary Variable Resistor	RD 5K RK09D113		CH3(GAIN)		01
VR302	**V5521600**	Rotary Variable Resistor	B 50.0K RD09F113		CH3(HIGH,MID,LOW)		01
-304	**V5521600**	Rotary Variable Resistor	B 50.0K RD09F113				01
VR305	**VU804100**	Slide Variable Resistor	RS6011YG6036-10KA		CH3(Fader)		04
VR306	**VZ610800**	Rotary Variable Resistor	AC 20K RK12L123		CH3(PAN)		03
VR307	**V5521500**	Rotary Variable Resistor	A 20.0K RK09D113		CH3(EFFECT,MONI1,2)		01
-309	**V5521500**	Rotary Variable Resistor	A 20.0K RK09D113				01
VR401	**V6159600**	Rotary Variable Resistor	RD 5K RK09D113		CH4(GAIN)		01
VR402	**V5521600**	Rotary Variable Resistor	B 50.0K RD09F113		CH4(HIGH,MID,LOW)		01
-404	**V5521600**	Rotary Variable Resistor	B 50.0K RD09F113				01
VR405	**VU804100**	Slide Variable Resistor	RS6011YG6036-10KA		CH4(Fader)		04
VR406	**VZ610800**	Rotary Variable Resistor	AC 20K RK12L123		CH4(PAN)		03
VR407	**V5521500**	Rotary Variable Resistor	A 20.0K RK09D113		CH4(EFFECT,MONI1,2)		01
-409	**V5521500**	Rotary Variable Resistor	A 20.0K RK09D113				01
VR501	**V6159600**	Rotary Variable Resistor	RD 5K RK09D113		CH5(GAIN)		01
VR502	**V5521600**	Rotary Variable Resistor	B 50.0K RD09F113		CH5(HIGH,MID,LOW)		01
-504	**V5521600**	Rotary Variable Resistor	B 50.0K RD09F113				01
VR505	**VU804100**	Slide Variable Resistor	RS6011YG6036-10KA		CH5(Fader)		04
VR506	**VZ610800**	Rotary Variable Resistor	AC 20K RK12L123		CH5(PAN)		03
VR507	**V5521500**	Rotary Variable Resistor	A 20.0K RK09D113		CH5(EFFECT,MONI1,2)		01
-509	**V5521500**	Rotary Variable Resistor	A 20.0K RK09D113				01
VR601	**V6159600**	Rotary Variable Resistor	RD 5K RK09D113		CH6(GAIN)		01
VR602	**V5521600**	Rotary Variable Resistor	B 50.0K RD09F113		CH6(HIGH,MID,LOW)		01
-604	**V5521600**	Rotary Variable Resistor	B 50.0K RD09F113				01
VR605	**VU804100**	Slide Variable Resistor	RS6011YG6036-10KA		CH6(Fader)		04
VR606	**VZ610800**	Rotary Variable Resistor	AC 20K RK12L123		CH6(PAN)		03
VR607	**V5521500**	Rotary Variable Resistor	A 20.0K RK09D113		CH6(EFFECT,MONI1,2)		01
-609	**V5521500**	Rotary Variable Resistor	A 20.0K RK09D113				01
VR701	**V6159600**	Rotary Variable Resistor	RD 5K RK09D113		CH7(GAIN)		01
VR702	**V5521600**	Rotary Variable Resistor	B 50.0K RD09F113		CH7(HIGH,MID,LOW)		01
-704	**V5521600**	Rotary Variable Resistor	B 50.0K RD09F113				01
VR705	**VU804100**	Slide Variable Resistor	RS6011YG6036-10KA		CH7(Fader)		04
VR706	**VZ610800**	Rotary Variable Resistor	AC 20K RK12L123		CH7(PAN)		03
VR707	**V5521500**	Rotary Variable Resistor	A 20.0K RK09D113		CH7(EFFECT,MONI1,2)		01
-709	**V5521500**	Rotary Variable Resistor	A 20.0K RK09D113				01
VR801	**V6159600**	Rotary Variable Resistor	RD 5K RK09D113		CH8(GAIN)		01
VR802	**V5521600**	Rotary Variable Resistor	B 50.0K RD09F113		CH8(HIGH,MID,LOW)		01
-804	**V5521600**	Rotary Variable Resistor	B 50.0K RD09F113				01
VR805	**VU804100**	Slide Variable Resistor	RS6011YG6036-10KA		CH8(Fader)		04
VR806	**VZ610800**	Rotary Variable Resistor	AC 20K RK12L123		CH8(PAN)		03
VR807	**V5521500**	Rotary Variable Resistor	A 20.0K RK09D113		CH8(EFFECT,MONI1,2)		01

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REF NO.	PART NO.	DESCRIPTION			REMARKS	QTY	RANK
-809	**V5521500**	Rotary Variable Resistor	A 20.0K RK09D113				01
VR901	**VZ611000**	Rotary Variable Resistor	C 20K RK12L123		CH9/10(GAIN)		05
VR902	**VU806400**	Rotary Variable Resistor	B50K EVJYAEF03B54		CH9/10(HIGH,MID,LOW)		03
-904	**VU806400**	Rotary Variable Resistor	B50K EVJYAEF03B54				03
VR905	**VZ610800**	Rotary Variable Resistor	AC 20K RK12L123		CH9/10(PAN)		03
VR906	**VZ610900**	Rotary Variable Resistor	A 20K RK12L12C		CH9/10(EFFECT,MONI1,2)		02
-908	**VZ610900**	Rotary Variable Resistor	A 20K RK12L12C				02
VR909	**VU804200**	Slide Variable Resistor	RS60112G6039-10KA2		CH11/12(Fader)		04
VRB01	**VZ611000**	Rotary Variable Resistor	C 20K RK12L123		CH11/12(GAIN)		05
VRB02	**VU806400**	Rotary Variable Resistor	B50K EVJYAEF03B54		CH11/12(HIGH,MID,LOW)		03
-04	**VU806400**	Rotary Variable Resistor	B50K EVJYAEF03B54				03
VRB05	**VZ610800**	Rotary Variable Resistor	AC 20K RK12L123		CH11/12(PAN)		03
VRB06	**VZ610900**	Rotary Variable Resistor	A 20K RK12L12C		CH11/12(EFFECT,MONI1,2)		02
-08	**VZ610900**	Rotary Variable Resistor	A 20K RK12L12C				02
VRB09	**VU804200**	Slide Variable Resistor	RS60112G6039-10KA2		CH11/12(Fader)		04
VRD01	**VZ610900**	Rotary Variable Resistor	A 20K RK12L12C		ST SUB1(MONI1,MONI2,ST),		02
-10	**VZ610900**	Rotary Variable Resistor	A 20K RK12L12C		ST SUB2(MONI1,MONI2,ST), TAPE IN(ST),D.EFFECT(ST, MONI1,MONI2)		02
VRE01	**VU804300**	Slide Variable Resistor	W 20.0K RS20H12		G,EQ(125,250,500,1K,2K,		03
-07	**VU804300**	Slide Variable Resistor	W 20.0K RS20H12		4K,8K)		03
VRE08	**VU804200**	Slide Variable Resistor	RS60112G6039-10KA2		ST1(Fader)		04
VRE09	**VZ610900**	Rotary Variable Resistor	A 20K RK12L12C		ST2		02
VRG01	**VU804100**	Slide Variable Resistor	RS6011YG6036-10KA		MONO(Fader)		04
VRG02	**VZ531900**	Rotary Variable Resistor	RV122NB20KC-15KQ		LIMITER(L/BRIDGE)		03
VRG03	**VZ531900**	Rotary Variable Resistor	RV122NB20KC-15KQ		LIMITER(R)		03
VRH01	**VU804100**	Slide Variable Resistor	RS6011YG6036-10KA		MONI1(Fader)		04
VRI01	**VU804100**	Slide Variable Resistor	RS6011YG6036-10KA		MONI2(Fader)		04
VRJ01	**VU804100**	Slide Variable Resistor	RS6011YG6036-10KA		EFFECT(Fader)		04
VRK01	**VZ610900**	Rotary Variable Resistor	A 20K RK12L12C		C-R/PHONES		02
VRM01	**V6159700**	Rotary Variable Resistor	B 10.0K RK09D113		PARAMETER		01
ZDM01	**VG443700**	Zener Diode	MTZ J 33.0B 33.0V				01
⚠ *	**XZ505A00**	Power Transformer	J		J		
⚠ *	**XZ506A00**	Power Transformer	U		U		
⚠ *	**XZ507A00**	Power Transformer	H		H		
⚠ *	**XZ508A00**	Power Transformer	A		A		
*	**V6786600**	Heat sink					
	V6024100	DC Fun	3110GL-B5W-B50-H01				08

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