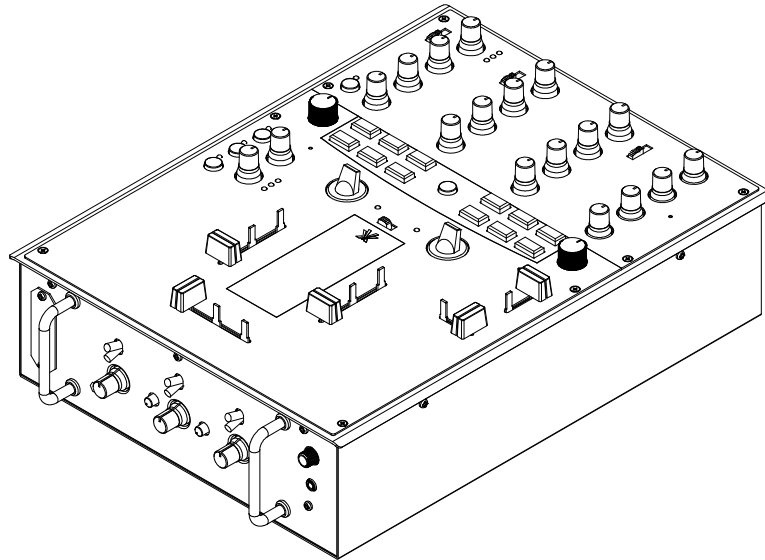


SERVICE MANUAL

Model: PMC-05ProIV



SPECIFICATIONS

		NOMINAL INPUT	IMPEDANCE
INPUT SECTION	MIC	-50dBv	3.3k Ω
	LINE1~7	-10dBv	10k Ω
	PHONO 1~2	-42dBv	40k Ω
	RTN	-10dBv	10k Ω
	SUB	-10dBv	10k Ω
		NOMINAL INPUT	IMPEDANCE
OUTPUT SECTION	AUX	0dBv	220k Ω
	BOOTH OUT	0dBv	220k Ω
	MASTER	0dBv	440k Ω
	PHONES	100mW(47k Ω)	>8 Ω

FREQUENCY RESPONSE	25Hz~25kHz
CROSS TALK	≥ 80 dB
S/N RATIO	≥ 68 dB
DIMENSIONS(WxHxD)	263(W)X83(105=including knob)(H)X330(D)mm
WEIGHT	4.5kg

※ Features and Design of the product is subject to change without notice for improvements

PMC-05ProIV (BOM)

STANDARD SETTING

control part	setup location
TRIM	position of 2 o'clock
ISOLATOR	center
MUTE SW	mute off
INPUT FADER	max
SEND VR	position of 2 o'clock
RTN VR	min
EFFECT SW	off
MONITOR LEVEL	max
CF MONITOR	center
AUX VR	position of 2 o'clock
BOOTH VR	position of 2 o'clock
MASTER VR	position of 2 o'clock

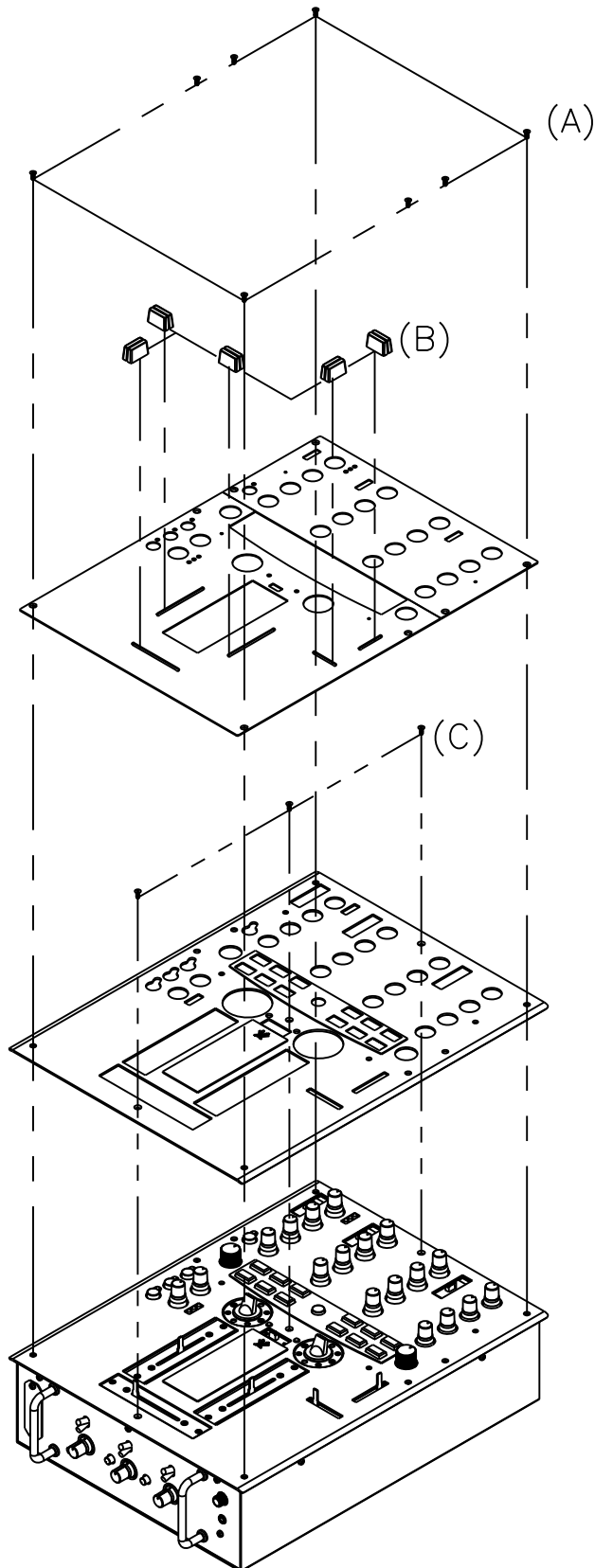
FUNCTION TEST

	TEST SETTING	INPUT	INPUT LEVEL	PERFORMANCE
AUX ISOLATOR	HI MAX	LINE 7	-10dBv/10kHz sine	MASTER OUT +12dBv (±1dB)
	MID MAX		-10dBv/1kHz sine	MASTER OUT +12dBv (±1dB)
	LO MAX		-10dBv/100Hz sine	MASTER OUT +12dBv (±1dB)
PGM 1 ISOLATOR	HI MAX	LINE 1	-10dBv/10kHz sine	MASTER OUT +12dBv (±1dB)
	MID MAX		-10dBv/1kHz sine	MASTER OUT +12dBv (±1dB)
	LO MAX		-10dBv/100Hz sine	MASTER OUT +12dBv (±1dB)
PGM 2 ISOLATOR	HI MAX	LINE 2	-10dBv/10kHz sine	MASTER OUT +12dBv (±1dB)
	MID MAX		-10dBv/1kHz sine	MASTER OUT +12dBv (±1dB)
	LO MAX		-10dBv/100Hz sine	MASTER OUT +12dBv (±1dB)
LEVEL METER	METER SW [MASTER]	LINE 1	-10dBv/1kHz sine	MASTER bar meter L/Rch G/7、Y/2 light on
	METER SW [PGM]	LINE 1	-10dBv/1kHz sine	PGM 1 bar meter G/7、Y/2 light on
	METER SW [PGM]	LINE 2	-10dBv/1kHz sine	PGM 2 bar meter G/7、Y/2 light on
		LINE 7	-10dBv/1kHz sine	AUX 3digit meter Y light on
		RTN	-10dBv/1kHz sine	RTN 3digit meter Y light on
FADER ATT.	PGM 1 IF MIN	LINE 1	-10dBv/1kHz sine	MASTER OUT < -65dBv
	PGM 2 IF MIN	LINE 2	-10dBv/1kHz sine	MASTER OUT < -65dBv
	PGM 1 IF MAX CF PGM 2 side	LINE 1	-10dBv/1kHz sine	MASTER OUT < -65dBv
	PGM 2 IF MAX CF PGM 1 side	LINE 2	-10dBv/1kHz sine	MASTER OUT < -65dBv
S/N RATIO				MASTER OUT < -65dBv (FLAT)
				MASTER OUT < -69dBV (JIS-A)

DISASSEMBLY PROCEDURES

1. DISASSEMBLY THE TOP PANEL (TOP/BOTTOM) AND SUPPORT PLATE (Fig. 1)

- (A) REMOVE 8 PCS SCREWS FROM TOP PANEL (TOP).
- (B) REMOVE 5 PCS KNOBS FROM TOP PANEL (TOP)
- (C) REMOVE 3 PCS SCREWS FROM TOP PANEL (BOTTOM)

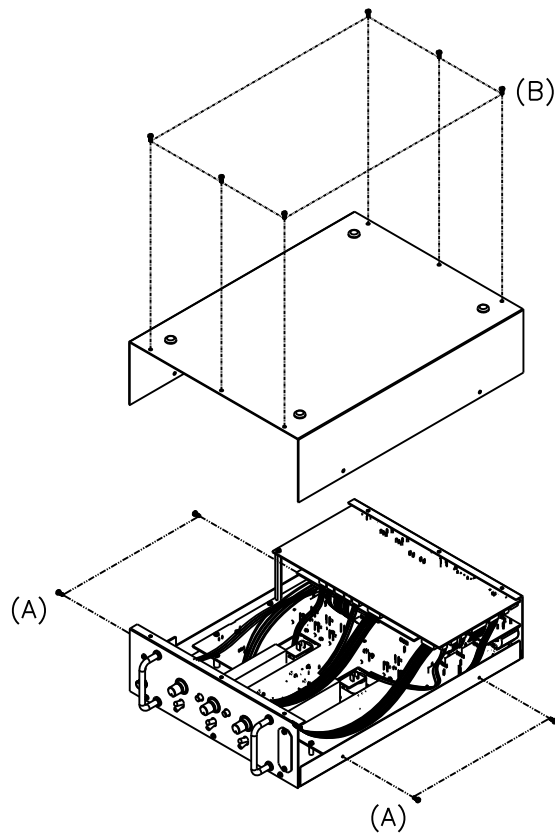


(Fig. 1)

DISASSEMBLY PROCEDURES

2. DISASSEMBLY THE BOTTOM CHASSIS

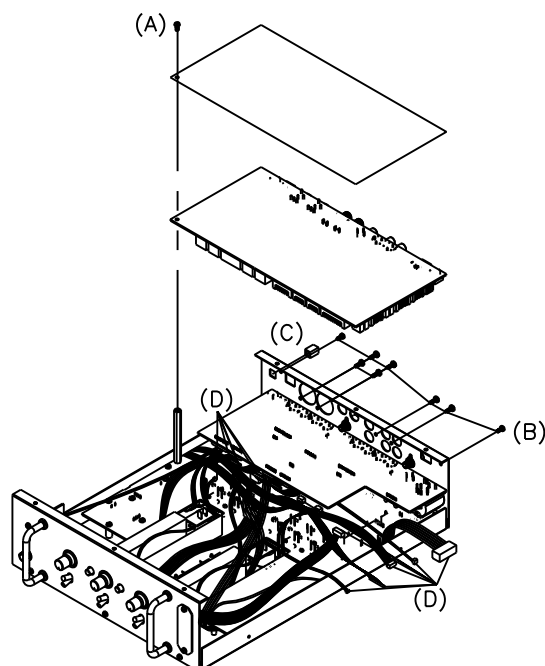
- (A) REMOVE 4 PCS SCREWS FROM BOTTOM CHASSIS
- (B) REMOVE 6 PCS SCREWS FROM BOTTOM CHASSIS



(Fig. 2)

3. DISASSEMBLY THE CPU-OUTPUT PCB ASS'Y

- (A) REMOVE 1 PC SCREW FROM CPU-OUTPUT PCB ASS'Y
- (B) REMOVE 8 PCS SCREWS FROM REAR PANEL
- (C) REMOVE 1 PC PUSH KNOB FROM REAR PANEL
- (D) REMOVE 14 PCS CABLE.

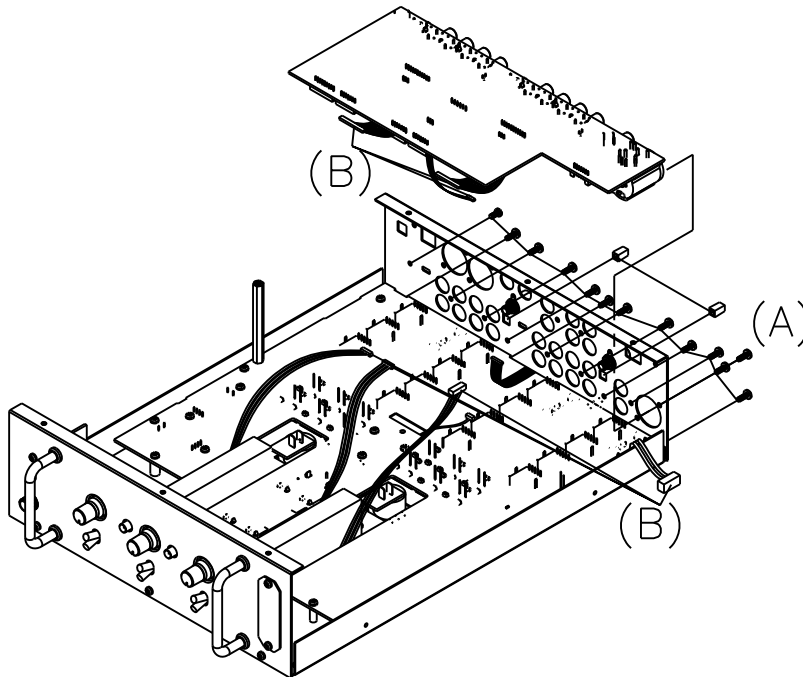


(Fig. 3)

DISASSEMBLY PROCEDURES

4. DISASSEMBLY THE INPUT PCB ASS'Y (Fig. 4)

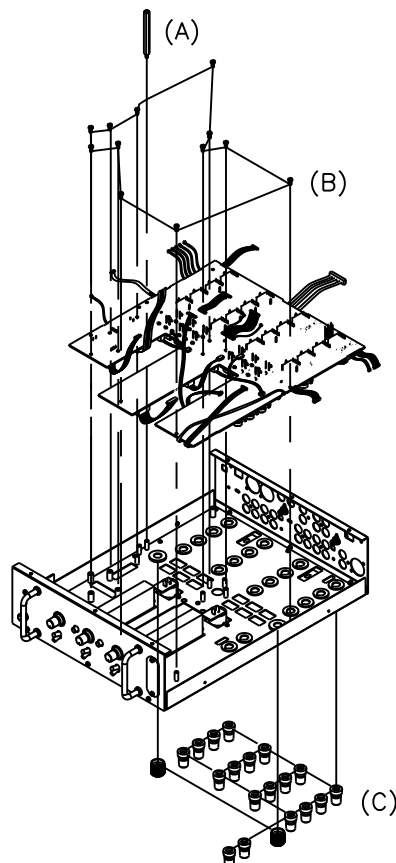
- (A) REMOVE 13 PCS SCREWS AND 2 PCS PUSH KNOBS FROM REAR PANEL
- (B) REMOVE 7 PCS CABLE



(Fig. 4)

5. DISASSEMBLY THE CONTROL PCB ASS'Y (FIG. 5)

- (A) REMOVE 1 PC COPPER FROM CONTROL PCB ASS'Y
- (B) REMOVE 12 PCS SCREWS FROM CONTROL PCB ASS'Y
- (C) REMOVE 20 PCS KNOBS FROM CONTROL PCB ASS'Y

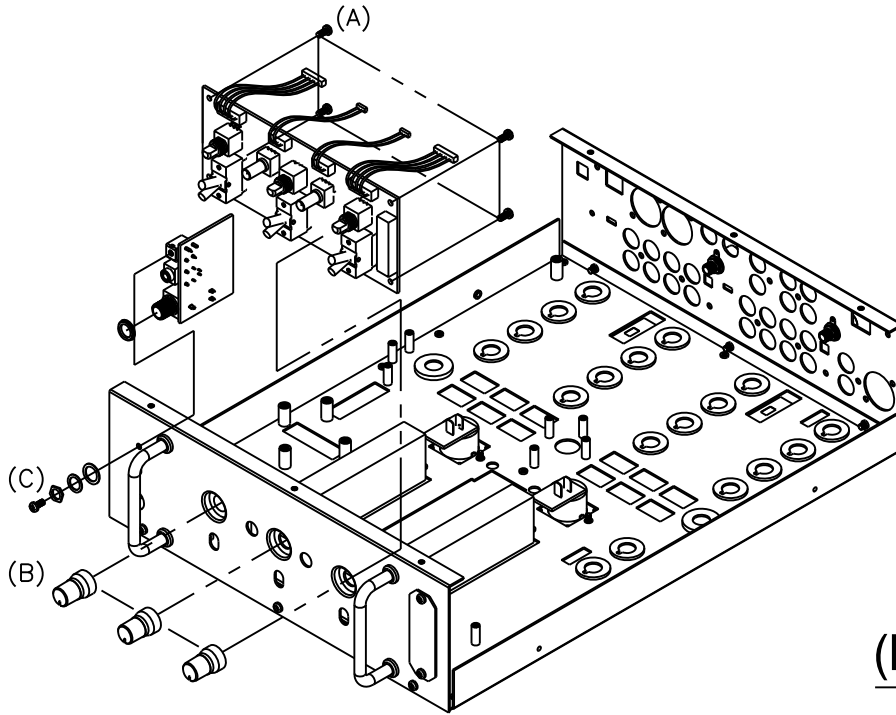


(Fig. 5)

DISASSEMBLY PROCEDURES

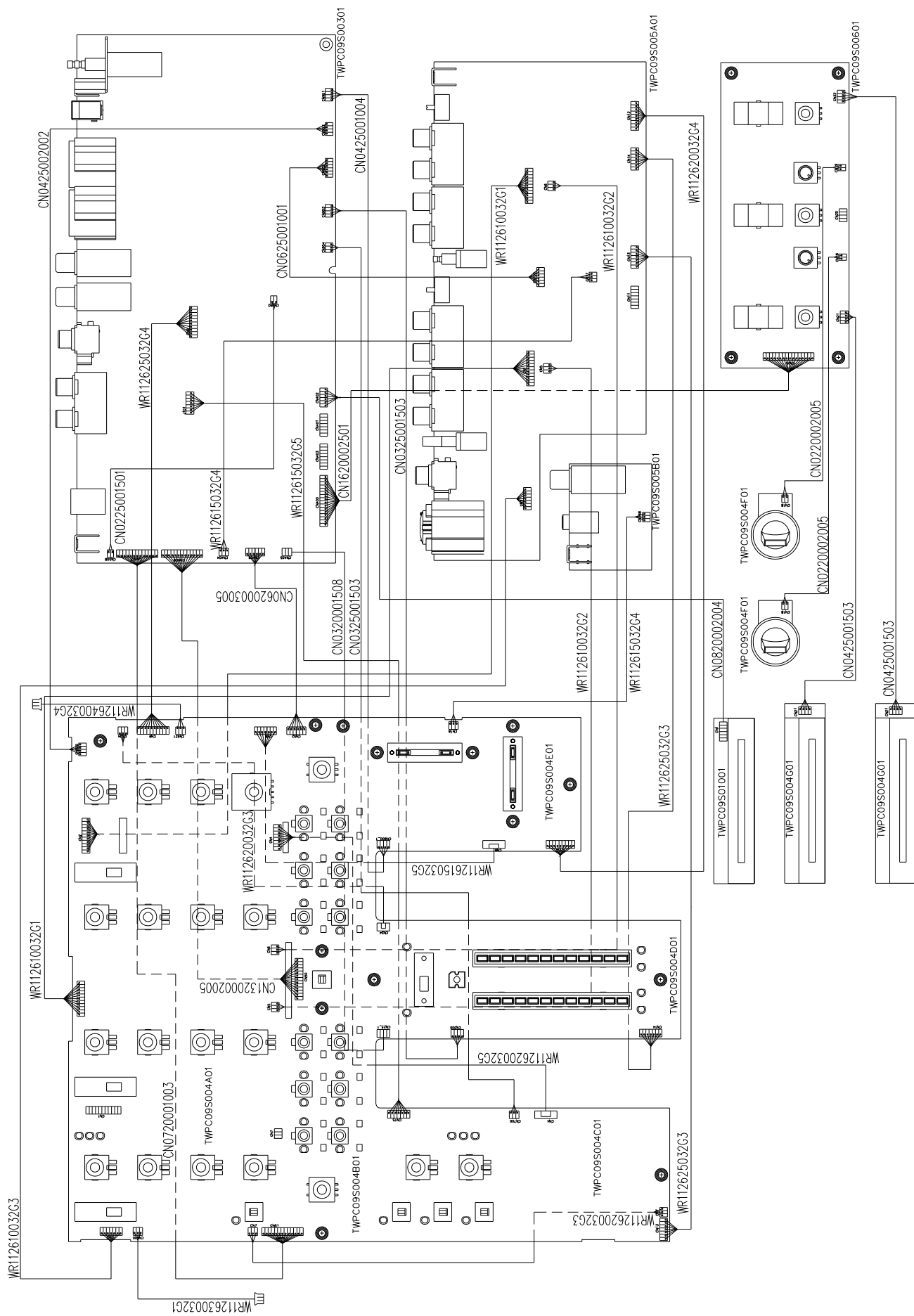
6. DISASSEMBLY THE FADER CONTROL PCB ASS'Y AND HEADPHONE PCB ASS'Y (Fig. 6)

- (A) REMOVE 4 PCS SCREWS FROM FADER CONTROL PCB ASS'Y
- (B) REMOVE 3 PCS KNOBS FROM FADER CONTROL PCB ASS'Y
- (C) REMOVE 1 PCS SCREW FROM HEADPHONE PCB ASS'Y



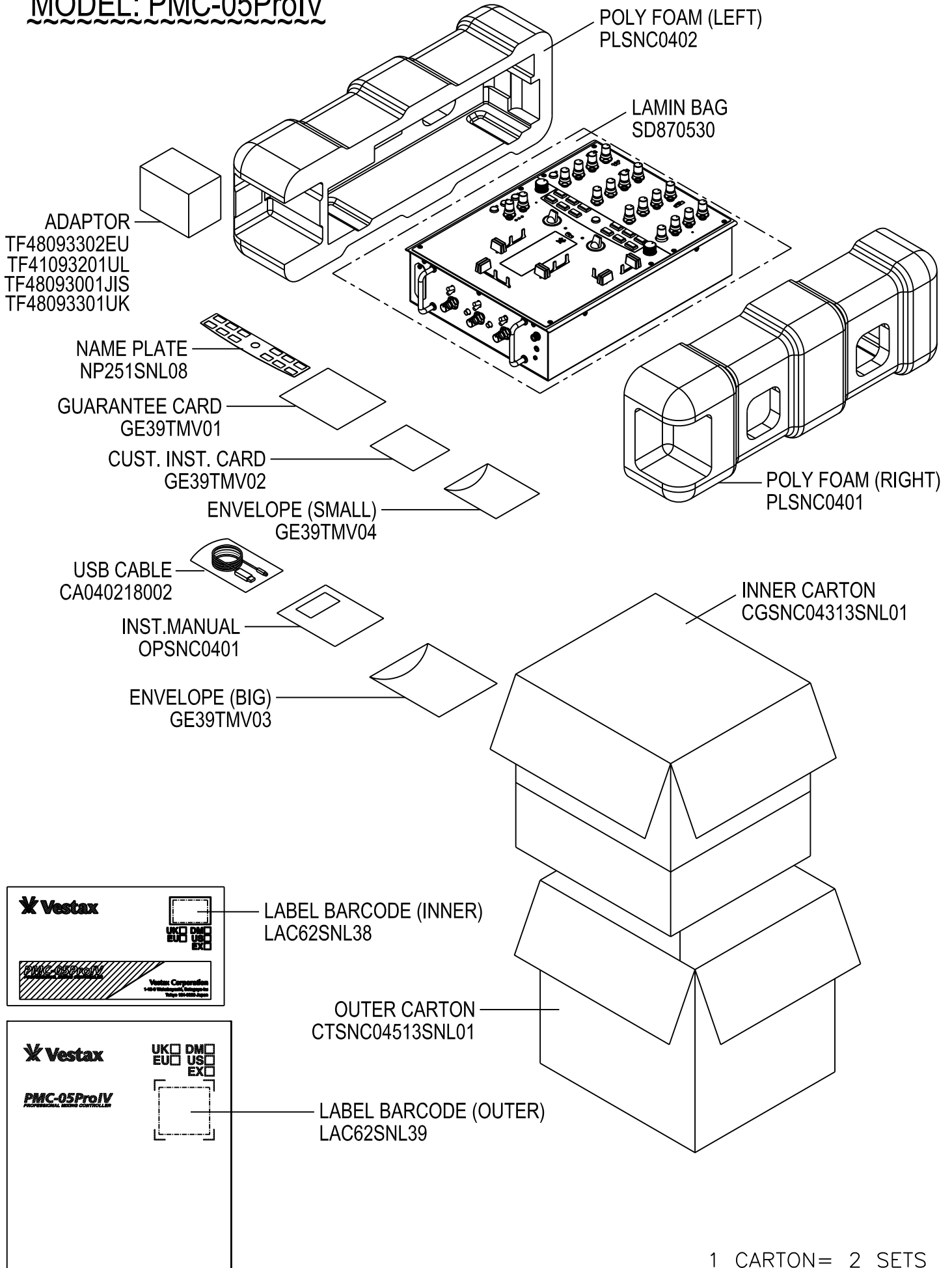
(Fig. 6)

WIRING DIAGRAM (US/EU/UK/JIS/AUS NZ)



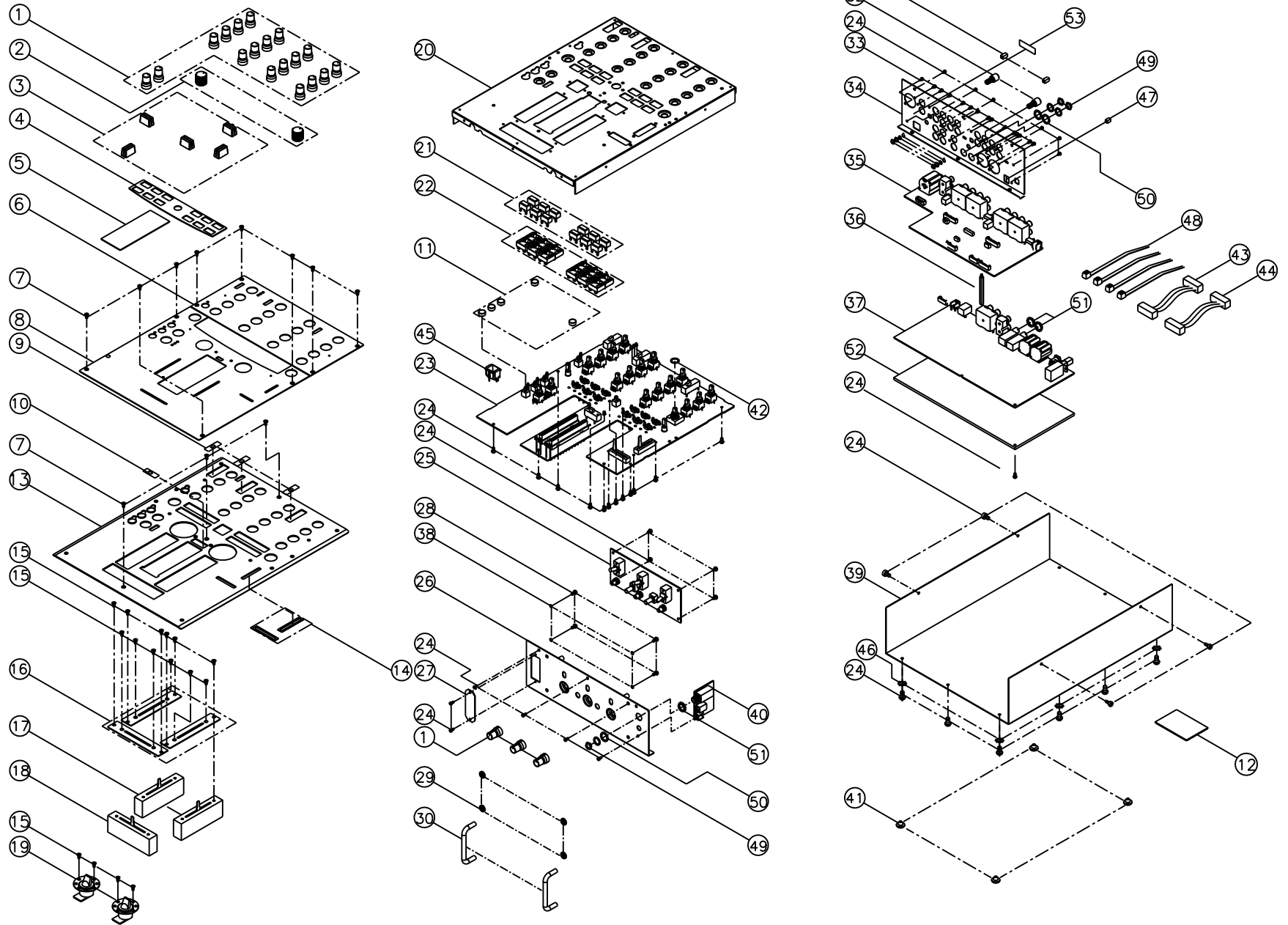
PACKING DIAGRAM

MODEL: PMC-05ProIV



1 CARTON = 2 SETS

EXPLODED VIEW MODEL: PMC-05ProIV



PMC-05ProIV (BOM)

Lvl	Materials	SPECS	Qty	Part Location
1	BA11426001-01	KNOB VR W/SPRAYING RED	21	1
2	BA11426001	KNOB VR (BLACK)	1	
1	BA244452012BK01	FADER CAP W/SPRAYING RED	5	3
2	BA244452012BK	FADER CAP (BLACK)	1	
1	BAMDR155D35101	KNOB VR W/ SPRAYING RED	2	2
2	BAMDR155D351	KNOB VR BLACK WITH RED PAINTED LINE	1	
1	CGSNC04313SNL01	INNER CARTON	1	
1	CTSNC04513SNL01	OUTER CARTON (2 IN 1)	0.5	
1	GE39TMV01	GUARANTEE CARD	1	FOR DM VERSION USE
1	GE39TMV02	CUSTOMER INSTRUCTION CARD	1	FOR DM VERSION USE
1	GE39TMV03	ENVELOPE (BIG)	1	
1	GE39TMV04	ENVELOPE (SMALL)	1	FOR DM VERSION USE
1	LAC52SNL27	LABEL (SAFETY)	1	12
1	MT513000101	PANEL (TOP) SNC04 W/SPRAY & PRINTING	1	6
2	MT5130001	PANEL (TOP) SNC04	1	
1	MT513000201	PANEL (BOTTOM) SNC04 W/SPRAY & PRINTING	1	8
2	MT5130002	PANEL (BOTTOM)	1	
1	NM5106102	VELVET CARPET (BLACK)	3	10
1	NM5106106	VELVET CARPET (BLACK)	1	9
1	NP251SNL08	NAME PLATE FUNCTION INDICATOR SNC04	1	
1	NP651SNL04	NAME PLATE (KNOB)	1	4
1	NP651SNL05	NAME PLATE (LED)	1	5
1	OPSN0401	INSTRUCTION MANUAL (JAPAN & ENGLISH VERSION)	1	
1	PL170100085	POLYFOAM (170*100*85MM)	1	
1	PLSNC0401	POLY FOAM (LEFT)	1	
1	PLSNC0402	POLY FOAM (RIGHT)	1	
1	PT511063701	PUSH KNOB (ROUND) W/SPRAYING RED	5	11
2	PT5110637	PUSH KNOB (ROUND) BLACK	1	
1	SC2606FIBI	SCREW	8	7
1	SD870530	LAMIN SHEET	1	
1	TF48093302EU	ADAPTOR AC230V AC12V/1.2A EU	1	FOR EC VERSION USE
1	TF41093201UL	ADAPTOR WALL PLUG 9VAC 1.2A	1	FOR US VERSION USE
1	TF48093001JIS	ADAPTOR AC100V AC12V/1.2A JPN	1	FOR DM VERSION USE
1	TF48093301UK	ADAPTOR AC230V AC12V/1.2A UK	1	FOR UK VERSION USE
1	TWSNC04SNL01	4 CHANNEL MIXER PMC-05PROIV (EC) ASS'Y	1	
2	BAMT-902	GROUNDING CONNECTOR	2	32
2	BAPC080406-2B	BUTTON GUIDE	12	22
2	BAPS-W006	KNOB	1	47
2	BATHA-270-2	HANDLE BAR WASHER	4	29
2	BATHA-31SUS-3-T	HANDLE BAR	2	30
2	BATM-182-808-15	RUBBER FOOT	4	41
2	BAUJ206022	KNOB (SQUARE)	2	31
2	BAW-1063	WASHER (14*9.4*2.5MM)	1	42
2	BAW-1064	WASHER (15*9.5*0.5MM)	3	50
2	BW653245SS	WASHER	4	46
2	CA040218002	USB CABLE (BLACK) + CORE	1	
2	CN0820002504	COLOR FLAT CONNECTOR 8P/2.0/250MM	1	43
2	CN1620002501	CONNECTOR WIRE 16P/2.0/250MM	1	44
2	K46-1	CABLE TIE	4	48
2	LAC22SNL04	LABEL SERIAL NUMBER	1	53
2	LAC62SNL38	LABEL BARCODE (INNER CARTON)	2	
2	LAC62SNL39	LABEL BARCODE (OUTER CARTON)	1	
2	MT510440401	FIXED PLATE (MIDI) SNC04 W/SPRAYING	1	27
3	MT5104404	FIXED PLATE (MIDI) SNC04	1	
2	MT510440501	FIXED PLATE SNC04 W/SPRAYING	3	16
3	MT5104405	FIXED PLATE SNC04	1	
2	MT5105503	COPPER STUD (MALE/FEMALE 60MM)	1	36
2	MT5120201	SUPPORT PLATE (SNC04)	1	20
2	MT512040101	BACK PANEL (SNC04) W/SPRAY & PRINTING	1	34
2	MT512040201	FRONT PANEL (SNC04) W/SPRAY & PRINTING	1	26
2	MT513000301	PANEL (FRONT) SNC04 W/SPRAYING	1	13
2	MT513030101	BOTTOM CHASSIS (SNC04) W/SPRAYING	1	39

Lvl	Materials	SPECS	Qty	Part Location
2	NM5106101	VELVET CARPET	2	14
2	NP251SNL15	NAME PLATE (INSULATOR)	1	52
2	PT5104407	LED HOLDER (LOGO)	1	45
2	PT5104416	WASHER	3	51
2	PT5110619	BUTTON (15*8)	12	21
2	SC0305FIBI	SCREW	16	15
2	SC0306BIBI	SCREW 3 X 6	40	24
2	SC0308PBBI	SCREW	13	33
2	SC0406RIBI	SCREW	4	28
2	SC2606FIBI	SCREW	3	7
2	TWBACFV-01A01	FADER ASS'Y	1	18
3	BACFV-01A	DIGITAL FADER (NON CONTACT TYPE)	1	
3	SC0204FINI	SCREW-DCR7	2	
3	TWPC09S01001	PCB ASS'Y FADER	1	
4	CS101J5003NPO	CHIP CAPACITOR SMD 100P/50V ±5% 0603 NPO-ROHS	12	C10~C21
4	CS104K5003X7R	CHIP CAP 0.1UF/50V,X7R,+/-10%, SMD 0603	9	C1~C9
4	ICNJM2100M	IC (NJM2100M)	3	IC1~IC3
4	MSEHGARAM001A	INDUCTION SENSOR HGARAM001A	6	MS1~MS6
4	PC09S010	FADER PCB, DOUBLE LAYER FR4 84*10MM	1	
4	RS001M10F03	CHIP RES. 1M OHM,1/8W,+/-1%,0603	24	R13~R36
4	RS056K10F03	CHIP RES. 56K Ω 1% SMD 0603	12	R1~R12
4	TE612000801	8P CONNECTOR	1	CN1
2	TWPC09S00301	PCB ASS'Y CPU-OUTPUT	1	37
3	AA397644J	TERMINAL M1698 1P	2	T2, 3
3	CD60	POWER SWITCH	1	SW950
3	CN0225001501	CONNECTOR WIRE 2P/2.5/150MM	1	CN508-CN950
3	CS102K5003X7R	CHIP CAP 1000PF/50V,X7R,+/-10%, SMD 0603	12	C901, 903, 907, 910, 912, 914, 916, 920, C921, 923, 927, 929
3	CS103K5003X7R	C.CAP 0.010UF 50V X7R,±10% SMD 0603	5	C410~414
3	CS104K5003X7R	CHIP CAP 0.1UF/50V,X7R,+/-10%, SMD 0603	20	C400~409, 924, 925, 930~934, 957, 961, C963
3	CS150J5003NPO	CHIP CAP.15PF ,SMD0603,+/-5 %, 50V, NPO	2	C415, 416
3	CS220J5002NPO	CAPACITOR 22PF 50V NPO	2	C908, 917
3	CS334K5006X7R	CCAP 0.33UF/50V ±10% 1206 X7R	1	C964
3	CS471J5002NPO	CCAP 470PF/50V ±5% 0402 NPO	1	C417
3	DIEN1SR139-600T	DIODE 1SR139-600 DO-41MINI	2	D951, 952
3	DIENCMG02SM	DIODE CMG02 3-4E1A	3	D953~955
3	DISDRB051L-40	SCHOTTKY BARRIER DIODES RB051L-40	1	D400
3	EC10825-T	E.CAP 1000UF/25V 10*20MM (TOSHIN KOGYO)	2	C958, 962
3	EC47825-T	E.CAP 4700UF/25V 16*31.5MM (TOSHIN KOGYO)	2	C956, 960
3	ECS10550BTNP	E.CAP NO PORARITY 1UF/50V B TYPE SMD(TOSHIN KOGYO)	12	C900, 902, 906, 909, 911, 913, 915, 918, C919, 922, 926, 928
3	ECS10710D	E. CAP 100UF 10V D TYPE 6.3 X 5.4 SMD	1	C422
3	ECS10725DT	E.CAP 100UF/25V D8 TYPE SMD (TOSHIN KOGYO)	4	C904, 905, 952, 953
3	ECS107M16SMD	E. CAPACITOR 100UF/16V SMD 6.3 X 5.3MM	2	C425, 426
3	ECS47725GT	E.CAP 470UF/25V G TYPE SMD (TOSHIN KOGYO)	3	C950, 951, 954
3	IC7805	IC (AN7805) JRC	1	IC950
3	ICADM708TAR	IC ADM708TARZ	1	IC406
3	ICBA033FP	IC (BA033FP)	1	IC408
3	ICNJM2068M	IC (NJM2068M)	1	IC900
3	ICNJM7809FA	IC NJM7809FA-ROHS	1	IC951
3	ICNJM7909FA	IC NJM7909FA-ROHS	1	IC952
3	ICTC4051BFT	IC TC4051BFT TSSOP16	4	IC402~405
3	ICTC74VHC126FT	IC TC74VHC126FT TSSOP14	1	IC401
3	ICTC74VHC14FT	IC TC74VHC14FT TSSOP14	1	IC400
3	ICYHFRS003	IC H8S/HD64F2215U+ PROGRAM TQFP120	1	IC407
4	ICDF2215RUTE24V	IC MCU DF2215RUTE24V TQFP120	1	
3	JK4690-DR30-04F	USB2.0 B-TYPE 90	1	J400
3	JK8DJ-0735-029	DC JACK 2.9MM	1	J950
3	JKHTJ-064-12D	JACK HTJ-064-12D	2	J904, 905
3	JKLX-1601H-3	XLR JACK(MALE)90° ROHS	2	J901, 903
3	MT1103207	HEAD SINK	3	(IC950, 951, 952)
3	PC09S003	PCB CPU-OUTPUT DOUBLE FR4 250×50MM	1	
3	RJ1020-010G	RCA JACK 1X2 (GOLD)	1	J900

Lvl	Materials	SPECS	Qty	Part Location
3	RJ1107-09G	RCA JACK (4P)GOLD-ROHS	1	J902
3	RPTCRXEF050	P.T.C THERMISTER 7.9 ψ 0.5 Ω DIP	1	F400
3	RS000001J12	CHIP. RES 0 OHM 5% SMD 2512	2	R951, 954
3	RS000010J03	CHIP RES. 0 Ω 5% SMD 0603	2	R458, 459
3	RS001001J12	CHIP. RES 10 OHM 5% SMD 2512	1	R950
3	RS001010F03	CHIP RES. 10 Ω 1% SMD 0603	1	R487
3	RS001K04F06	CHIP RES. 1K Ω 1% SMD 1206	12	R900, 902, 904, 907, 910, 912, 914, 917, R919, 922, 924, 926
3	RS001K10F03	CHIP RES. 1K Ω 1% SMD 0603	22	R464~485
3	RS002410F03	CHIP RES. 24 Ω 1% SMD 0603	2	R462, 463
3	RS003K10F03	CHIP RES. 3K Ω 1% SMD 0603	1	R486
3	RS010010F03	CHIP RES. 100 Ω 1% SMD 0603	8	R443~450
3	RS010K10F03	CHIP RES. 10K Ω 1% SMD 0603	43	R400~442
3	RS01K510F03	CHIP RES. 1.5K Ω 1% SMD 0603	1	R461
3	RS020010F03	CHIP RES. 200 Ω 1% SMD 0603	1	R457
3	RS022K01F12	CHIP. RES 22K OHM 1% SMD 2512	2	R952, 953
3	RS022K04F06	CHIP. RES 22K OHM 1% SMD 1206	4	R905, 909, 916, 918
3	RS047010F03	CHIP RES. 470 Ω 1% SMD 0603	2	R488, 489
3	RS05K610F03	CHIP RES. 5.6K Ω 1% SMD 0603	1	R460
3	RS100K04F06	CHIP RES. 100K Ω 1% SMD 1206	12	R901, 903, 906, 908, 911, 913, 915, 920, R921, 923, 925, 927
3	RS100K10F03	CHIP RES. 100K Ω 1% SMD 0603	10	R490, 491, 492, 493, 494, 495, 496, 497, R498, 499
3	SC0306RBNI	SCREW 3X6MM SELF-TAP ROUND-HEAD NICKEL PLATE	6	(IC950X2, 951X2, 952X2)
3	TE10200601	6P CONNECTOR SOCKET 180°	1	CN408
3	TE10200702	7P CONNECTOR SOCKET	2	CN15, 407
3	TE10201002	10P CONNECTOR SOCKET	1	CN9
3	TE10201302	13P CONNECTOR SOCKET	1	CN406
3	TE11032501	3P CONNECTOR SOCKET 2.5MM	2	CN954, 955
3	TE512540301	3P CONNECTOR 2.54MM 180°-ROHS	2	JP400, 401
3	TE612000301	3P CONNETOR SOCKET	2	CN404, 405
3	TE612000801	8P CONNECTOR	3	CN401~403
3	TE612001601	SINGLE LINE CONNECTOR 2.00MM 16P DIP	1	CN400
3	TE612500401	4P CONNECTOR SOCKET	2	CN951, 953
3	TE612500601	CONNECTOR 6P 90	1	CN952
3	TE8731002	2P CONNECTOR SOCKET	2	(JP400, 401)
3	TRA966Y	TRANSISTOR SA966Y TO-92MOD	1	Q951
3	TRC2236Y	TRANSISTOR 2SC2236 TO-92MOD	1	Q950
3	TRDTC114YUA	TRANSISTOR DTC114YUA	2	Q400, 401
3	UH18CC223R1C3D	INDUCTOR 22UF 1A \pm 20% 0603	5	L400~404
3	UHBL02RN1R3N1A	INDUCTOR 6A DIP 90	2	L953, 954
3	UHBLM18AG601SN1	INDUCTOR BLM18AG601SN1	14	L900~911, 951, 952
3	UHNFE31PT220R1E	INDUCTOR 22PF 6A \pm 30% 1206	12	L955~966
3	VAERZV07D431	VARISTOR 430V 8.5 ψ DIP	1	Z1
3	XTM16000X6	CRYSTAL 16MHZ 49U SMD ROHS	1	X400
2	TWPC09S00401	PCB ASS'Y CONTROL	1	
3	PC09S004	PCB CONTROL DOUBLE LAYER FR4 250 \times 20MM	1	
3	TWPC09S004A01	PCB ASS'Y CONTROL	1	23
4	BALE48211-0A	LED HOLDER	4	(D500, 504~506)
4	CN0425002002	CONNECTOR WIRE 4P/2.5/200MM	1	CN500
4	CS100J5002NPO	CCAP SMD 10PF 5% 50V 0402-ROHS	12	C505, 506, 526, 527, 562, 563, 585, 586, C622, 623, 635, 645
4	CS101J5002NPO	CCAP SMD 100PF 5% 50V 0402-ROHS	2	C646, 651
4	CS104K5003X7R	CHIP CAP 0.1UF/50V,X7R,+/-10%, SMD 0603	59	C703, 705, 707, 709, 711, 713, 715, 717, C719, 721, 723, 724, C726~754, 757~768, C779~784
4	CS123J5010NPON	CHIP CAP 0.012UF/50V \pm 5% 1210 NPO (NISSEI DENKI)	24	C513, 516, 517, 520, 536, 539, 540, 543, C572, 575, 576, 579, 595, 598, 599, 602, C626, 632, 640, 644, 668, 670, 675, 677
4	CS272J5005NPON	C.CAP 2700PF \pm 5% 50V 0805 NPO (NISSEI DENKI)	24	C509, 510, 519, 523, 531, 532, 542, 46, C566, 567, 578, 582, 590, 591, 601, 605, C624, 629, 631, 643, 659, 666, 674, 678
4	CS273J5010NPON	CHIP CAP 27000PF/50V 5% 1210 NPO (NISSEI DENKI)	12	C508, 518, 530, 541, 565, 577, 589, 600, C625, 634, 665, 669

Lvl	Materials	SPECS	Qty	Part Location
4	CS330J5002NPO	CAPACITOR 33PF 50V NPO	4	C649, 654, 656, 658
4	CS473J5012NPON	CHIP CAP 0.047UF/50V ±5% 1812 NPO (NISSEI DENKI)	12	C515, 522, 538, 545, 574, 581, 597, 604, C628, 641, 667, 676
4	CS473K5005X7R	CAPACITOR (SMD) 47000PF	1	C657
4	CS680J5002NPO	CCAP 68PF/50V ±5% 0402 NPO	1	C569
4	DIEN1SS355SM	DIODE 1SS355 UMD2	1	D503
4	DIENRLS-73SM	DIODE RLS-73 TE-11 MLL34	2	D501, 502
4	ECS10616BT	ALUM.ELECTROLYTIC CAP CHIP 10UF/16V (TOSHIN KOGYO)	10	C769~778
4	ECS10616CTNP	E.CAP NO PORARITY 10UF/16V CTYPE SMD(TOSHIN KOGYO)	43	C504, 511, 512, 514, 521, 524, 533, 535, C537, 547, 560, 568, 570, 573, 580, 583, C592, 594, 596, 603, 620, 621, 627, 630, C633, 636, 637, 639, 642, 647, 648, 650, C652, 653, 655, 660~664, 671, 672, 698
4	ECS10716DT	E. CAP 100UF/16V SMD ROHS (TOSHIN KOGYO)	2	C702, 704
4	ECS22616BT	E.CAP SMD 22UF/16V-ROHS (TOSHIN KOGYO)	1	C699
4	ECS47616DT	E.CAP 47UF/16V DTYPE SMD (TOSHIN KOGYO)	10	C706, 708, 710, 712, 714, 716, 718, 720, C722, 725
4	ICNJM2068M	IC (NJM2068M)	7	IC620, 624~628, 699
4	ICNJM2082M	IC NJM2082M SSOP8	17	IC500~505, 560~565, 621~623, 629, 630
4	ICNJM2901V	IC NJM2901V DMP14	1	IC701
4	LD1030	LED 3MM (YELLOW)	1	D505
4	LDIFR324HD	LED 3MM (RED)	2	D500, 506
4	LD-LG2040	LED 3MM GREEN	1	D504
4	RS000004J06	CHIP RES. 0 Ω 5% SMD 1206	1	R703
4	RS001K04F06	CHIP RES. 1K Ω 1% SMD 1206	11	R662, 663, 667, 675, 706, 720, 721, 23, 726, R727, 738
4	RS001M04J06	CHIP. RES 1M OHM 5% SMD 1206	9	R516, 532, 560, 588, 620, 628, 629, 640, R763
4	RS002204F06	CHIP. RES 22 Ω 1% SMD 1206	4	R502, 540, 568, 597
4	RS002K04F06	CHIP RES. 2K Ω 1% SMD 1206	2	R962, 969
4	RS007504F06	CHIP RES. 75 Ω 1% SMD 1206	1	R737
4	RS010K04F06	CHIP. RES 10K OHM 5% SMD 1206	7	R501, 547, 577, 605, 708, 735, 746
4	RS013004F06	CHIP. RES 130 Ω 1% SMD 1206	1	R732
4	RS015K04F06	CHIP. RES 15K Ω 1% SMD 1206	32	R508, 513, 521, 527, 528, 530, 539, 548, R549, 553, 569, 580, 581, 583, 586, 596, R607, 608, 611, 614, 654, 671, 681, 711, R712, 714, 718, 731, 741, 749, 752, 754
4	RS018004F06	CHIP. RES 180 Ω 1% SMD 1206	1	R700
4	RS01K504F06	CHIP. RES 1K5 Ω 1% SMD 1206	15	R519, 526, 537, 546, 566, 576, 594, 604, R643, 651, 690, 695, 710, 747, 748
4	RS022004F06	CHIP RES. 220 Ω 1% SMD 1206	8	R659, 660, 672, 684, 691, 694, 698, 701
4	RS022K04F06	CHIP. RES 22K OHM 1% SMD 1206	12	R545, 555, 575, 603, 658, 702, 705, 709, R713, 728, 730, 744
4	RS024004F06	CHIP. RES 240 Ω 1% SMD 1206	1	R733
4	RS02K204F06	CHIP RES. 2.2K Ω 1% SMD 1206	10	R661, 666, 673, 674, 676, 679, 682, 683, R685, 686
4	RS033K04F06	CHIP. RES 33K Ω 1% SMD 1206	16	R517, 520, 535, 538, 563, 567, 591, 595, R622, 642, 653, 689, 693, 697, 699, 739
4	RS03K904F06	CHIP. RES 3K9 Ω 1% SMD 1206	1	R736
4	RS047K04F06	CHIP. RES 47KOHM 1% SMD 1206	4	R626, 649, 724, 725
4	RS04K704F06	CHIP. RES 4.7K Ω 1% SMD 1206	24	R504, 515, 518, 524, 529, 536, 543, 551, R565, 573, 582, 587, 593, R601, 610, 615, R625, 645, 650, 715~717, 751, 753
4	RS056K04F06	CHIP. RES 56K OHM 1% SMD 1206	1	R734
4	RS062K04F06	CHIP. RES 62K Ω 1% SMD 1206	6	R506, 510, 564, 592, 719, 722
4	RS06K804F06	RESISTOR 6K8 1% SMD 1206	12	R511, 514, 533, 554, 561, 578, 589, 606, R652, 707, 740, 745
4	RS100K04F06	CHIP RES. 100K Ω 1% SMD 1206	6	R509, 550, 579, 609, 657, 750
4	RS120K04F06	CHIP. RES 120K Ω 1% SMD 1206	14	R505, 507, 531, 552, 584, 585, 612, 613, R655, 656, 704, 729, 742, 743
4	RS220K04F06	CHIP. RES 220K Ω 1% SMD 1206	12	R635, 636, 664, 665, 668~670, 677, 678, R680, 687, 688
4	SV10406R501	VARIABLE RESISTOR 100KB 6.5MM	6	SV1~6
4	SWSPEA12MC01	ON/OFF PUSH SWITCH DUAL LINE	1	SW620

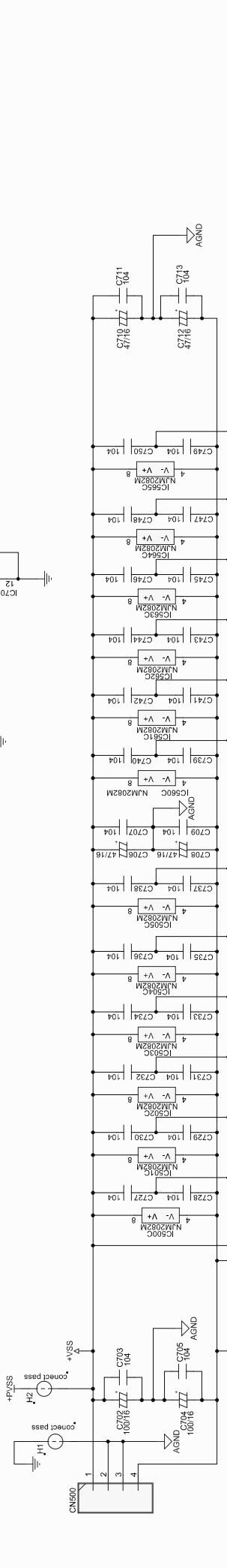
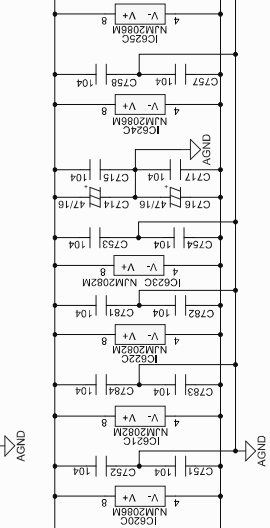
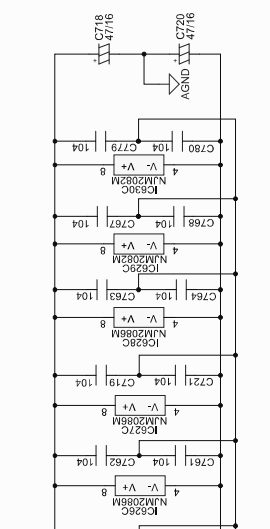
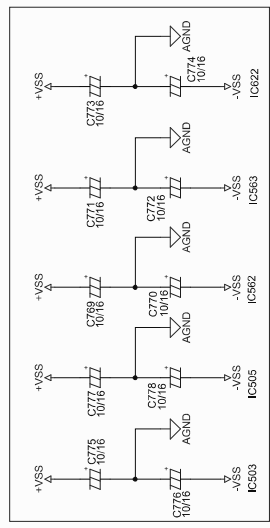
Lvl	Materials	SPECS	Qty	Part Location
4	SWSR17122415F0A	ROTARY ON/OFF SWITCH 2P 4T	1	SW622
4	SWSSSB02E300	ON/OFF SLIDE SWITCH 3T	3	SW500, 560, 621
4	TRA1015	TRANSISTOR (TRA1266)	1	Q622
4	TRJ106GR	TRANSISTOR 2SJ106GR TO-236MOD	2	Q500, 502
4	TRK117Y	TRANSISTOR 2SK117Y TO-92	1	Q623
4	VRR10401501	VR ROTTARY 100KA*2 25MM DOUBLE CONNECT	3	VR500, 560, 621
4	VRR20301501	ROTTARY PRESS VR 20KB*2 25MM DOUBLE CONNECT	9	VR501~503, 561~563, 622~624
4	VRR20301502	VR ROTTARY 20KA*2 25MM DOUBLE CONNECT	3	VR625~627
4	WR112610032G1	WIRE 11P/2.0/100MM	1	CN1, 2
4	WR112610032G2	WIRE 3P/2.0/100MM	2	CN5, 6
4	WR112610032G3	WIRE 7P/2.0/100MM	1	CN3
4	WR112615032G5	WIRE 7P/2.0/150MM	1	CN8
4	WR112620032G3	WIRE 3P/2.0/200MM	2	CN7, 24
4	WR112620032G5	WIRE 7P/2.0/200MM	1	CN4
4	WR112625032G4	WIRE 10P/2.0/250MM	1	CN9
4	WR112640032G3	WIRE 3P/2.0/400MM	1	CN600
4	WR112650032G2	CONNERTOR WIRE 3P/2.0/500MM (RED)	1	CN621
3	TWPC09S004B01	PCB ASS'Y SW-ENC	1	
4	CN0620003005	CONNECTOR WIRE 6P/2.0/300MM	1	CN52
4	CN0720001003	CONNECTOR WIRE 7P/2.0/100MM	1	CN51
4	CN1320002005	CONNECTOR WIRE 13P/2.0/200MM	1	CN50
4	CS104K5003X7R	CHIP CAP 0.1UF/50V,X7R,+/-10%, SMD 0603	3	C50, 51, 52
4	IC74AHC595PW	IC 74AHC595 8-BIT TRI-STATE TSSOP-16	3	IC50~52
4	LDRT3-030RU3J7T	LED DUAL COLOR RED/BLUE ROUN TYPE \varnothing 3~5MM DIP	24	LD50~73
4	RS010010F03	CHIP RES. 100 Ω 1% SMD 0603	24	R50~73
4	SWEC11E09244BS	9 PULSE ENCODER ROTARY PRESS SWITCH	2	ENC50, 51
4	SWSKPDALD010	ON/OFF TOUCH SWITCH 5MM 0.78N DIP	12	SW50~58, 60~62
4	SWSPEA12MC02	ON/OFF PUSH SWITCH DUAL LINE (NON LOCK)	1	SW59
3	TWPC09S004C01	PCB ASS'Y SEND-RCV	1	
4	BALE48211-0A	LED HOLDER	6	(D700, 703, 706, 715~717)
4	CN0325001503	WIRE 3P/2.5/150MM	1	CN700
4	CS100J5002NPO	CCAP SMD 10PF 5% 50V 0402-ROHS	2	C701, 710
4	CS104K5003X7R	CHIP CAP 0.1UF/50V,X7R,+/-10%, SMD 0603	23	C781~789, 795~799, 800~803, 810~814
4	CS180J5002NPO	CAP SM NPO 0402 18P 5% 50V	2	C733, 738
4	CS220J5002NPO	CAPACITOR 22PF 50V NPO	16	C700, 706, 707, 711, 715, 716, 719~721, C725~728, 735, 745, 746
4	CS473K5005X7R	CAPACITOR (SMD) 47000PF	3	C714, 729, 740
4	CS680J5002NPO	CCAP 68PF/50V \pm 5% 0402 NPO	1	C747
4	DIEN1SS355SM	DIODE 1SS355 UMD2	1	D783
4	DIENRLS-73SM	DIODE RLS-73 TE-11 MLL34	12	D701, 702, 704, 705, 707~714
4	ECS10616CTNP	E.CAP NO PORARITY 10UF/16V CTYPE SMD(TOSHIN KOGYO)	25	C702~704, 708, 709, 712, 717, 718, C722~724, 730~732, 734, 736,C737, 739, C741~744, 749, 750, 791
4	ECS10716DT	E. CAP 100UF/16V SMD ROHS (TOSHIN KOGYO)	2	C780, 804
4	ECS22616BT	E.CAP SMD 22UF/16V-ROHS (TOSHIN KOGYO)	1	C792
4	ECS47616DT	E.CAP 47UF/16V DTYPE SMD (TOSHIN KOGYO)	4	C806~809
4	ICNJM2068M	IC (NJM2068M)	11	IC700~708, 710, 711
4	ICNJM2901V	IC NJM2901V DMP14	1	IC712
4	LD1030	LED 3MM (YELLOW)	1	D716
4	LDIFR324HD	LED 3MM (RED)	1	D717
4	LD-LG2040	LED 3MM GREEN	4	D700, 703, 706, 715
4	RS000008J05	CHIP RES. 0 Ω 5% SMD 0805-ROHS	1	R785
4	RS001K08F05	CHIP RES. 1K Ω 1% SMD 0805	3	R788, 821, 822
4	RS001M08F05	CHIP RES. 1M Ω 1% SMD 0805	3	R709, 735, 763
4	RS002208F05	CHIP RES. 22 Ω 1% SMD 0805	2	R767, 777
4	RS007508F05	CHIP RES. 75 Ω 1% SMD 0805	1	R793
4	RS010K08F05	CHIP RES. 10K Ω 1% SMD 0805	2	R792, 826
4	RS011K08F05	CHIP RES. 11K Ω 1% SMD 0805	2	R743, 755
4	RS013008F05	CHIP. RES 130 Ω 1% SMD 0805	1	R833
4	RS015K08F05	CHIP RES. 15K Ω 1% SMD 0805	4	R802, 803, 807, 809
4	RS018008F05	CHIP RES. 180 Ω 1% SMD 0805	1	R829
4	RS01K508F05	CHIP RES. 1.5K Ω 1% SMD 0805	3	R701, 731, 756
4	RS020K08F05	CHIP RES. 20K 1% SMD 0805	4	R715, 716, 725, 742
4	RS022008F05	CHIP RES. 220 Ω 1% SMD 0805	4	R715, 716, 725, 742

Lvl	Materials	SPECS	Qty	Part Location
4	RS022K08F05	RESISTOR 22K 1% SMD 0805	44	R700, 702, 704, 705, 707, 711, 712, R717~720, 726, 727, 730, 733, 734, 737, R738, 741, 746~749, 752, 757, 760, 761, R765, 769~772, 775, 779, 783, 784, 787, R791, 820, 823, 827, 828, 830, 831
4	RS024008F05	CHIP RES. 240 Ω 1% SMD 0805	1	R834
4	RS027K08F05	CHIP RES. 27K Ω 1% SMD 0805	2	R764, 774
4	RS03K908F05	CHIP RES. 3.9K Ω 1% SMD 0805	1	R835
4	RS047K08F05	CHIP RES. 47K Ω 1% SMD 0805	2	R706, 722
4	RS068K08F05	CHIP RES. 68K Ω 1% SMD 0805	4	R804~806, 808
4	RS075K08F05	CHIP RES. 75K 1% SMD 0805 -ROHS	2	R706, 722
4	RS100K08F05	CHIP RES. 100K 1% SMD 0805 -ROHS	10	R708, 714, 723, 728, 736, 739, 750, 751, R762, 773
4	RS120K08F05	CHIP RES. 120K Ω 1% SMD 0805	2	R786, 818
4	RS220K08F05	CHIP RES. 220K Ω 1% SMD 0805	16	R724, 740, 745, 753, 759, 810~817, 819, R824, 832
4	SWSPEA12MC01	ON/OFF PUSH SWITCH DUAL LINE	3	SW700~702
4	TE622000302	3P CONNECTOR SOCKET	1	CN7
4	TE622000701	7P CONNECTOR SOCKET	1	CN4
4	TRA1015	TRANSISTOR (TRA1266)	1	Q712
4	TRJ106GR	TRANSISTOR 2SJ106GR TO-236MOD	6	Q700, 702, 704, 706, 708, 710
4	TRK117Y	TRANSISTOR 2SK117Y TO-92	1	Q713
4	TRK208GR	TRANSISTOR 2SK208GR TO-236MOD	6	Q701, 703, 705, 707, 709, 711
4	VRR20301502	VR ROTTARY 20KA*2 25MM DOUBLE CONNECT	1	VR700
4	VRR50301505	VR ROTARY 50KB*2 25MM DOUBLE CONNECT	1	VR701
4	WR112615032G5	WIRE 7P/2.0/150MM	1	CN15
4	WR112625032G3	WIRE 7P/2.0/250MM	1	CN13
3	TWPC09S004D01	PCB ASS'Y METER	1	
4	BALE40208-0A	PLASTIC BOSS (LED)	4	(D302, 303, 319, 320)
4	BALE48211-0A	LED HOLDER	2	(D330, 331)
4	CN0320001508	CONNECTOR WIRE 3P/2.0/150MM	1	CN23
4	CN0325001503	WIRE 3P/2.5/150MM	1	CN300
4	CS104K5003X7R	CHIP CAP 0.1UF/50V,X7R,+/-10%, SMD 0603	26	C311, 313, 315, 317, 319, 321~323, 325, C327~329, 331~333, 335, 336, 338, C344~351
4	CS105K1603X7R	CERA CAPACITOR 1UF 10%16V 03X7R-R	4	C340~343
4	CS222J5003X7R	C.CAP 2200PF/50V,X7R,±5%,-55~+125°C,SMD 0603	4	C302, 303, 307, 308
4	DIEN1SR154400SM	RECTIFIER DIODE 1SR154-400	4	D300, 301, 341, 342
4	DIEN1SS355SM	DIODE 1SS355 UMD2	2	D308, 314
4	ECS10616BT	ALUM.ELECTROLYTIC CAP CHIP 10UF/16V (TOSHIN KOGYO)	4	C320, 326, 330, 334
4	ECS10616CTNP	E.CAP NO PORARITY 10UF/16V CTYPE SMD(TOSHIN KOGYO)	4	C300, 301, 305, 306
4	ECS10725DT	E.CAP 100UF/25V D8 TYPE SMD (TOSHIN KOGYO)	2	C337, 339
4	ECS22616BT	E.CAP SMD 22UF/16V-ROHS (TOSHIN KOGYO)	2	C304, 309
4	ICNJM2068M	IC (NJM2068M)	2	IC301, 302
4	ICNJM2901V	IC NJM2901V DMP14	7	IC300, 303~308
4	LDIFR324HD	LED 3MM (RED)	2	D330, 331
4	LDL-7679C1SURCG	LED RED 7.62×7.62MM SQUARE CLEAR TYPE DIP	1	D340
4	LD-LG2040	LED 3MM GREEN	4	D302, 303, 319, 320
4	LDSL25MG3F	LED YELLOW GREEN RECTANGULAR .5×5MM FLAT HEAD GRE	14	D306, 307, 310~313, 315, 318, 322~327
4	LDSL25VR3FG	LED RED RECTANGULAR 7.5×5MM FLAT HEAD RED DIP	6	D334~339
4	LDSL25YY3F	LED RECTANGULAR 7.5×5MM FLAT HEAD YELLOW DIP	4	D328, 329, 332, 333
4	PT5104406	LED HOLDER	2	(D306, 307, 310~313, 315, 318, 322~329, D332~339)
4	RS000001J12	CHIP. RES 0 OHM 5% SMD 2512	2	R329, 353
4	RS001004F06	CHIP RES. 10 Ω 1% SMD 1206	2	R368, 371
4	RS001K08F05	CHIP RES. 1K Ω 1% SMD 0805	10	R306, 307, 372, 373, 381, 390, 393, 396, R398, 400
4	RS001M08F05	CHIP RES. 1M Ω 1% SMD 0805	4	R394, 395, 397, 399
4	RS003308F05	CHIP RES. 33 Ω 1% SMD 0805	4	R312, 313, 362, 363
4	RS004708F05	CHIP RES. 47 Ω 1% SMD 0805	4	R304, 305, 382, 391
4	RS010008F05	CHIP RES. 100 Ω 1% SMD 0805	2	R314, 315
4	RS010K08F05	CHIP RES. 10K Ω 1% SMD 0805	10	R318~320, 325, 330, 335, 339, 343, 344, R359
4	RS012K08F05	CHIP RES. 12K Ω 1% SMD 0805	4	R310, 311, 383, 392

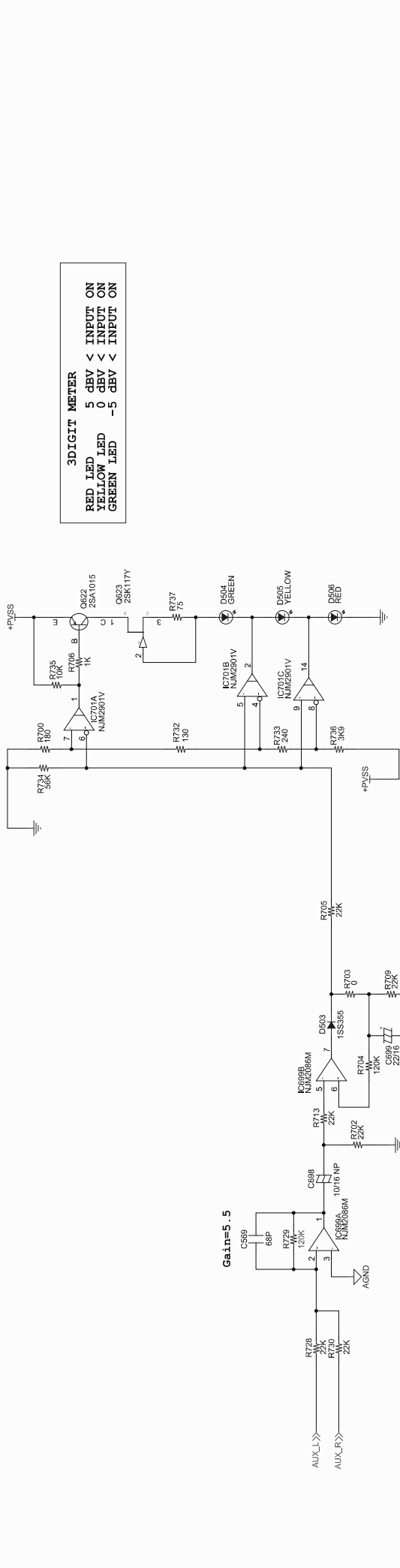
Lvl	Materials	SPECS	Qty	Part Location
4	RS01K208F05	RESISTOR 1.2K 1% SMD 0805	2	R374, 375
4	RS01K504F06	CHIP. RES 1K5 Ω 1% SMD 1206	5	R300, 301, 342, 346, 380
4	RS022K08F05	RESISTOR 22K 1% SMD 0805	8	R321, 327, 328, 347, 350, 352, 403, 404
4	RS027K08F05	CHIP RES. 27K Ω 1% SMD 0805	4	R302, 303, 345, 348
4	RS033K08F05	RESISTOR 33K 1% SMD 0805	2	R331, 354
4	RS036008F05	CHIP. RES 360 Ω 1% SMD 0805	2	R349, 351
4	RS03K608F05	CHIP RES. 3.6K Ω 1% SMD 0805	2	R336, 357
4	RS047008F05	CHIP RES. 470Ω 1% SMD 0805	6	R333, 338, 340, 341, 369, 370
4	RS04K708F05	CHIP RES. 4.7K 1% SMD 0805	10	R316, 317, 324, 326, 376, 377, 384, 385, R387, 388
4	RS051008F05	CHIP RES. 510 Ω 1% SMD 0805	6	R322, 323, 360, 361, 366, 367
4	RS056008F05	CHIP RES. 560 Ω 1% SMD 0805	2	R364, 365
4	RS06K808F05	CHIP RES. 6.8K Ω 1% SMD 0805	2	R378, 379
4	RS100K08F05	CHIP RES. 100K 1% SMD 0805 -ROHS	6	R332, 334, 337, 358, 386, 389
4	SWSSSB021500	ON/OFF SWITCH DUAL LINE 2T	1	SW300
4	TE622000302	3P CONNECTOR SOCKET	1	CN24
4	TRA1015	TRANSISTOR (TRA1266)	8	Q300~303, 306, 307, 309, 311
4	TRA1163GR	TRANSISTOR 2SA1163GR TO-92	4	Q312~315
4	TRC1815	TRANSISTOR (TRC3198)	4	Q304, 305, 308, 310
4	WR112625032G3	WIRE 7P/2.0/250MM	1	CN14
3	TWPC09S004E01	PCB ASS'Y MONITOR	1	
4	CN0425001004	WIRE 4P/2.5/100MM	1	CN600
4	CS104K5003X7R	CHIP CAP 0.1UF/50V,X7R,+/-10%, SMD 0603	8	C610, 612, 613, 614, 619, 620, 622, 623
4	CS331K1602X7R	CCAP SMD 330PF/16V 10% 0402 X7R-ROHS	2	C606, 611
4	CS680J5002NPO	CCAP 68PF/50V ±5% 0402 NPO	2	C600, 603
4	EC22710TTNP	E. CAPACITOR 220UF/10V (*11.5MM) (TOSHIN KOGYO)	2	C608, 617
4	ECS10616CTNP	E.CAP NO PORARITY 10UF/16V CTYPE SMD(TOSHIN KOGYO)	4	C602, 605, 607, 615
4	ECS10716DT	E. CAP 100UF/16V SMD ROHS (TOSHIN KOGYO)	4	C609, 616, 618, 621
4	ECS22616DTNP	E.CAP NO POLARITY 22UF/16V DTYPE SMD(TOSHIN KOGYO)	2	C601, 604
4	ICNJM2068M	IC (NJM2068M)	1	IC600
4	ICNJM4556AD	IC (NJM4556AD)	1	IC601
4	RS001K04F06	CHIP RES. 1K Ω 1% SMD 1206	2	R620, 626
4	RS002204F06	CHIP. RES 22 Ω 1% SMD 1206	2	R617, 623
4	RS010K04F06	CHIP. RES 10K OHM 5% SMD 1206	2	R604, 612
4	RS015K04F06	CHIP. RES 15K Ω 1% SMD 1206	10	R601, 602, 606, 607, 609, 610, 614, 615, R616, 622
4	RS022K04F06	CHIP. RES 22K OHM 1% SMD 1206	4	R605, 613, 621, 627
4	RS027K04F06	CHIP. RES 27K Ω 1% SMD 1206	2	R600, 608
4	RS220K04F06	CHIP. RES 220K Ω 1% SMD 1206	4	R603, 611, 619, 625
4	TE622000701	7P CONNECTOR SOCKET	1	CN8
4	VRS20302001	VR SLIDE 20KA×2 20MM 20MM DUAL LINE	1	VR601
4	VRS50302004	VR SLIDE 50KB×2 20MM 20MM DUAL LINE	1	VR600
4	WR112615032G4	WIRE 3P/2.0/150MM	1	CN16
4	WR112620032G4	WIRE 9P/2.0/200MM	1	CN12
3	TWPC09S004F01	PCB ASS'Y TRANS-PGM1	2	19
4	MT510440301	FIXED PLATE W/SPRAYING	1	
4	SWSDL-106A-40BB	ON/OFF SWITCH 2 STEP WITH HOLDER	1	SW4
4	TE622000201	2P CONNECTOR SOCKET	1	CN18
3	TWPC09S004G01	PCB ASS'Y TRANS-PGM2	2	17
4	BASFV-03	TKD CONTACT TYPE FADER	1	VR1
4	TE622500403	4P CONNECTOR SOCKET 2.5MM	1	CN21
2	TWPC09S00501	PCB ASS'Y INPUT	1	
3	PC09S005	PCB INPUT DOUBLE LAYER FR4 230×150MM	1	
3	TWPC09S005A01	PCB ASS'Y INPUT	1	35
4	AA397644J	TERMINAL M1698 1P	1	T2
4	CN0625001001	HARNESS 6P-SAN<->PHR-6 L=100MM AWG28	1	CN100
4	CS102K5003X7R	CHIP CAP 1000PF/50V,X7R,+/-10%, SMD 0603	22	C103, 109, 123, 131, 145, 147, 149, 151, C153, 155, 157, 159, 161, 163, 165, 167, C169, 171, 173, 174, 176, 177
4	CS104K5003X7R	CHIP CAP 0.1UF/50V,X7R,+/-10%, SMD 0603	32	C107, 114, 127, 134, 138~143, 178, 179, C194, 195, 197, 198, 208~210, 213~215, C218~221, 226~231
4	CS122J5005NPN	CHIP CAP 1200PF ±5% 50V 0805 NPO (NISSEI DENKI)	4	C108, 116, 129, 136
4	CS330J5002NPO	CAPACITOR 33PF 50V NPO	5	C105, 113, 125, 133, 216

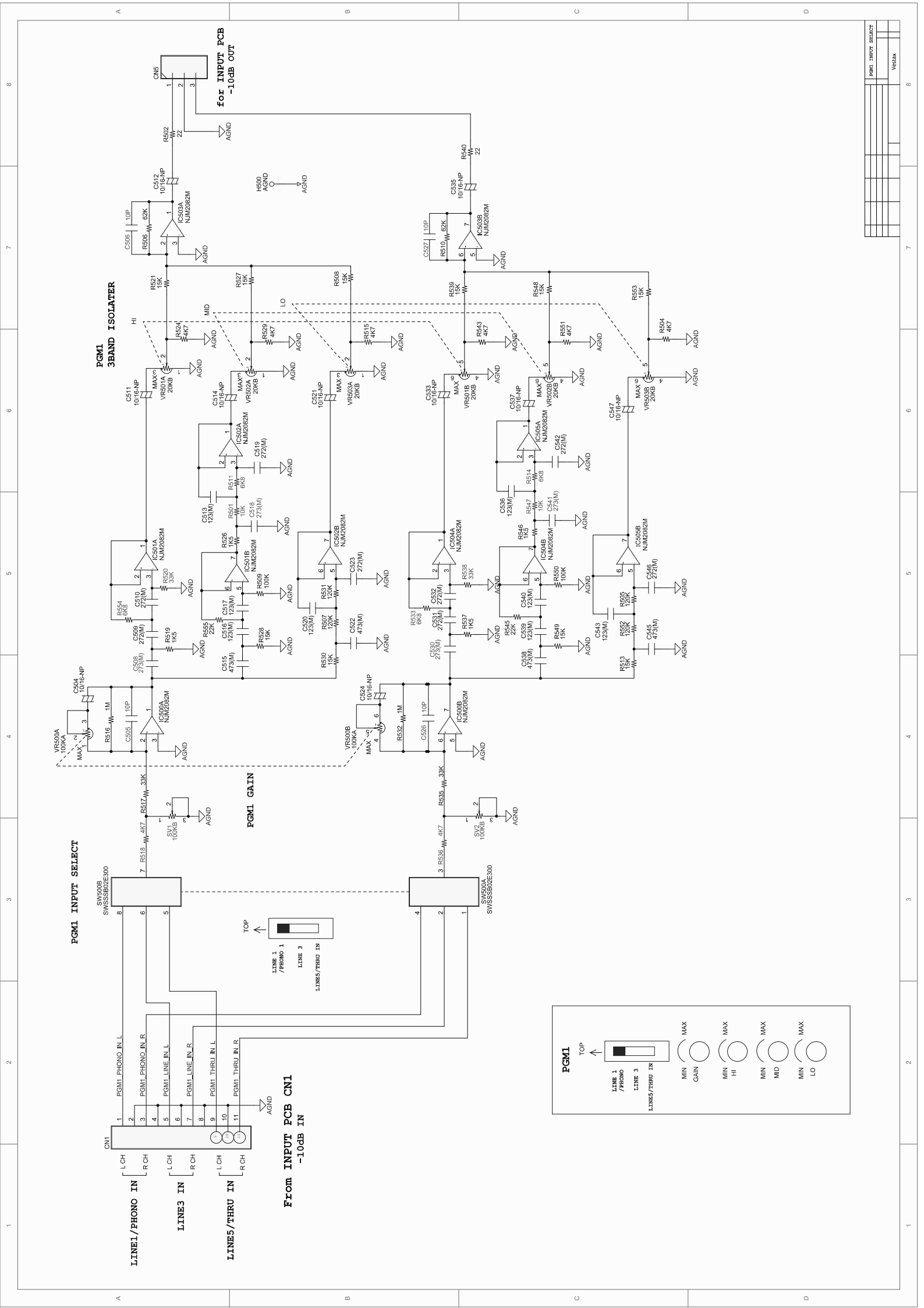
Lvl	Materials	SPECS	Qty	Part Location
4	CS331K1602X7R	CCAP SMD 330PF/16V 10% 0402 X7R-ROHS	12	C100, 111, 122, 130, 186, 188, 191, 193, C200, 202, 205, 207
4	CS392J5006NPON	CHIP CAP SMD 3.9NF/50V ±5% 1206 NPO(NISSEI DENKI)	4	C110, 115, 128, 135
4	EC22710TTNP	E. CAPACITOR 220UF/10V (8*11.5MM) (TOSHIN KOGYO)	4	C190, 196, 204, 212
4	ECS10550BTNP	E.CAP NO PORARITY 1UF/50V B TYPE SMD(TOSHIN KOGYO)	26	C101, 104, 120, 124, 144, 146, 148, 150, C152, 154, 156, 158, 160, 162, 164, 166, C168, 170, 187, 189, 192, 199, 201, 203, C206, 211
4	ECS10616CTNP	E.CAP NO PORARITY 10UF/16V CTYPE SMD(TOSHIN KOGYO)	4	C102, 106, 121, 126
4	ECS22550BTNP	E.CAP NO POLARITY 2.2UF/50V B TYPE (TOSHIN KOGYO)	3	C172, 175, 217
4	ECS22716DT	E.CAP 220UF/16V D8 TYPE SMD (TOSHIN KOGYO)	10	C180~185, 222~225
4	ECS33616DTNP	E.CAP NO POLARITY 33UF/16V D-TYPE (TOSHIN KOGYO)	4	C112, 117, 132, 137
4	ICNJM2068L	IC NJM2068L DIP8	2	IC104, 106
4	ICNJM2082M	IC NJM2082M SSOP8	8	IC100~103, 105, 107~109
4	JKNCJ6FAH	XLR JACK 3PIN 90° PUSH LOCK	1	J105
4	RJ1020-010G	RCA JACK 1X2 (GOLD)	1	J104
4	RJ1107-09G	RCA JACK (4P)GOLD-ROHS	4	J100~103
4	RNTC502AT-2	N.T.C THERMISTOR DIP	4	TH100~TH103
4	RS000008J05	CHIP RES. 0Ω 5% SMD 0805-ROHS	6	JS1~4, R205, 235
4	RS001K08F05	CHIP RES. 1K Ω 1% SMD 0805	11	R100, 102, 122, 124, 187, 189, 274, 276, R278, 280, 282
4	RS001M08F05	CHIP RES. 1M Ω 1% SMD 0805	8	R204, 206, 220, 221, 234, 236, 250, 251
4	RS002208F05	CHIP RES. 22 Ω 1% SMD 0805	4	R192, 193, 201, 216
4	RS004708F05	CHIP RES. 47 Ω 1% SMD 0805	4	R203, 219, 233, 249
4	RS005608F05	CHIP RES. 56 Ω 1% SMD 0805	8	R120, 121, 138, 139, 275, 277, 279, 281
4	RS010K08F05	CHIP RES. 10K Ω 1% SMD 0805	8	R196, 200, 212, 215, 226, 228, 242, 245
4	RS01K508F05	CHIP RES. 1.5K Ω 1% SMD 0805	4	R105, 109, 127, 132
4	RS022008F05	CHIP RES. 220 Ω 1% SMD 0805	16	R101, 106, 107, 113, 116~119, 123, 128, R129, 135, 140~143
4	RS02K208F05	RESISTOR 2.2K 1% SMD 0805	10	R197, 214, 229, 244, 256, 257, 270~273
4	RS03K608F05	CHIP RES. 3.6K Ω 1% SMD 0805	4	R202, 217, 231, 247
4	RS047K08F05	CHIP RES. 47K Ω 1% SMD 0805	14	R146, 149, 152, 155, 182, 185, 195, 207, R211, 222, 225, 237, 241, 252
4	RS056K08F05	CHIP RES. 56K Ω 1% SMD 0805	8	R104, 108, 126, 131, 208, 223, 238, 253
4	RS05K108F05	CHIP RES. 5.1K Ω 1% SMD 0805	4	R198, 218, 232, 248
4	RS05K608F05	RESISTOR 5.6K 1% SMD 0805	5	R194, 209, 224, 239, 255
4	RS068K08F05	CHIP RES. 68K Ω 1% SMD 0805	4	R112, 115, 134, 137
4	RS08K208F05	CHIP RES. 8K2 Ω 1% SMD 0805	2	R186, 191
4	RS100K08F05	CHIP RES. 100K 1% SMD 0805 -ROHS	18	R145, 148, 151, 154, 157, 160, 163, 166, R169, 172, 175, 178, 181, 184, 199, 213,
4	RS150K08F05	CHIP RES. 150K Ω 1% SMD 0805	1	R254
4	RS220K08F05	CHIP RES. 220K Ω 1% SMD 0805	2	R188, 190
4	RS390K08F05	CHIP RES. 390K Ω 1% SMD 0805	4	R103, 110, 125, 130
4	RS470K08F05	CHIP RES. 470K Ω 1% SMD 0805	4	R158, 161, 164, 167
4	RS820K08F05	CHIP. RES 820K Ω 1% SMD 0805	4	R111, 114, 133, 136
4	SV20306R502	VARIABLE RESISTOR 20KB 6.5MM 90°	4	VR100~103
4	SWSPUJ190900	ON/OFF PUSH SWITCH 2 STEP DOUBLE LINE	2	SW100, 102
4	SWSV68010F-0203	ON/OFF SLIDE SWITCH DOUBLE LINE 3T	2	SW101, 103
4	TE10200702	7P CONNECTOR SOCKET	3	CN3, 13, 14
4	TE612000301	3P CONNETOR SOCKET	2	CN5, 6
4	TE612000901	9P CONNECTOR SOCKET	1	CN12
4	TE612001103	11P CONNECTOR SOCKET	2	CN1, 2
4	TRK117Y	TRANSISTOR 2SK117Y TO-92	8	Q100~107
4	UHBLM18AG601SN1	INDUCTOR BLM18AG601SN1	21	L100~120
4	WR112615032G4	WIRE 3P/2.0/150MM	1	CN17
3	TWPC09S005B01	PCB ASS'Y HEADPHONE	1	40
4	AA397644J	TERMINAL M1698 1P	1	T1
4	CC10450T	C. CAP 0.1UF/50V	2	C1, 4
4	CC18250T	CERAMIC CAP 1800P/25V 10% DIP	4	C2, 3, 5, 6
4	JKHTJ-035-23	HEADPHONE JACK 3.5MM DIAMETER	1	J2
4	JKHTJ-064-12D	JACK HTJ-064-12D	1	J1
4	TE612000301	3P CONNETOR SOCKET	1	CN16
4	UHBL02RN1R3N1A	INDUCTOR 6A DIP 90	6	L1~6
2	TWPC09S00601	PCB ASS'Y MULTI	1	25

Lvl	Materials	SPECS	Qty	Part Location
3	CC10450T	C. CAP 0.1UF/50V	1	C10
3	CN0220002503	FLAT CONNECTOR 2P/2.0/250MM	2	CN18, 19
3	CN0425002002	CONNECTOR WIRE 4P/2.5/200MM	2	CN21, 22
3	EC47616TS	E. CAP (SMALL) 47UF/16V	1	C11
3	PC09S006	PCB MULTI. DOUBLE LAYER FR4 250×50MM	1	
3	SWLBC22M-12K	2 STEP ON/ OFF SWITCH STICK 12MM	3	SW1, 2, 3
3	TE622001603	CONNECTOR 2.0MM 180° DIP	1	CN25
3	VRR10301512	V.RESISTOR ROTARY 10K 1B SHAFT L:15MM CENTER CLICK	2	VR4, 8
3	VRR10301513	V.RESISTOR ROTARY:10K 1B SHAFT L:15MM SINGLE CLICK	1	VR6
3	VRR10302005	VARIABLE RESISTOR 10KB-ROHS	2	VR5, 7
2	WS070409IN	WASHER 7X0.4X0.9MM	4	38

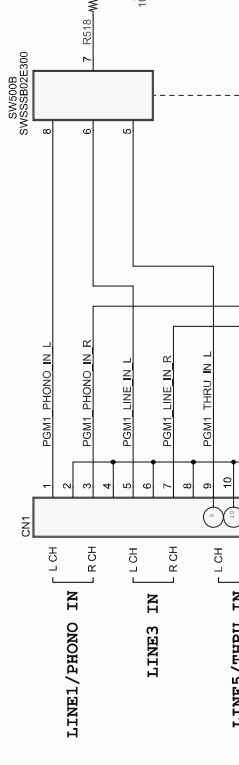


3DIGIT METER
 RED LED < INPUT ON
 YELLOW LED < INPUT ON
 GREEN LED < INPUT ON

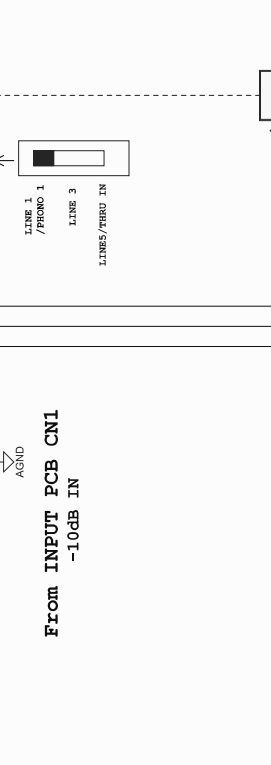




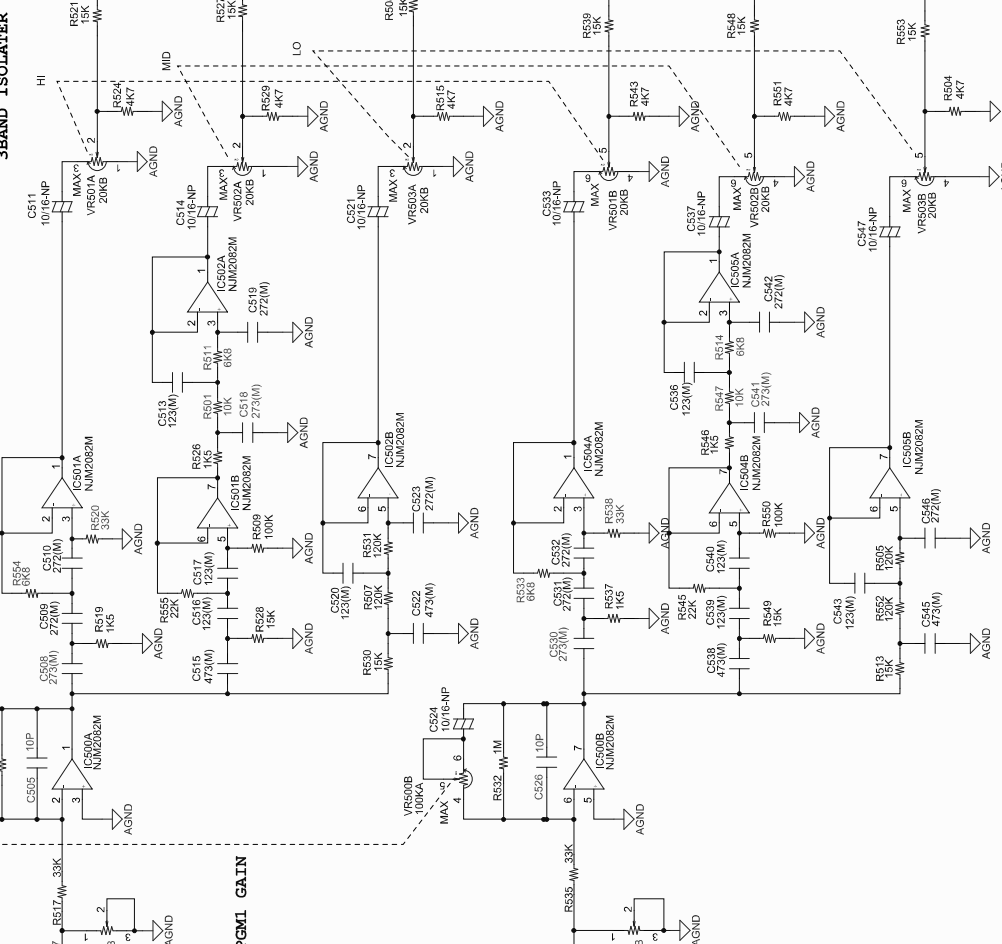
PGM1 INPUT SELECT



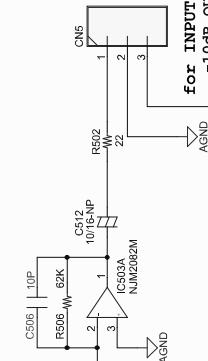
PGM1 GAIN



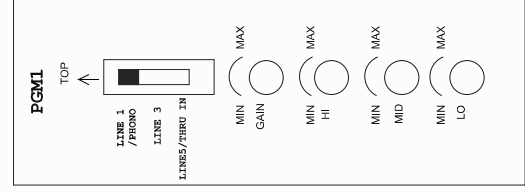
PGM1 3BAND ISOLATER



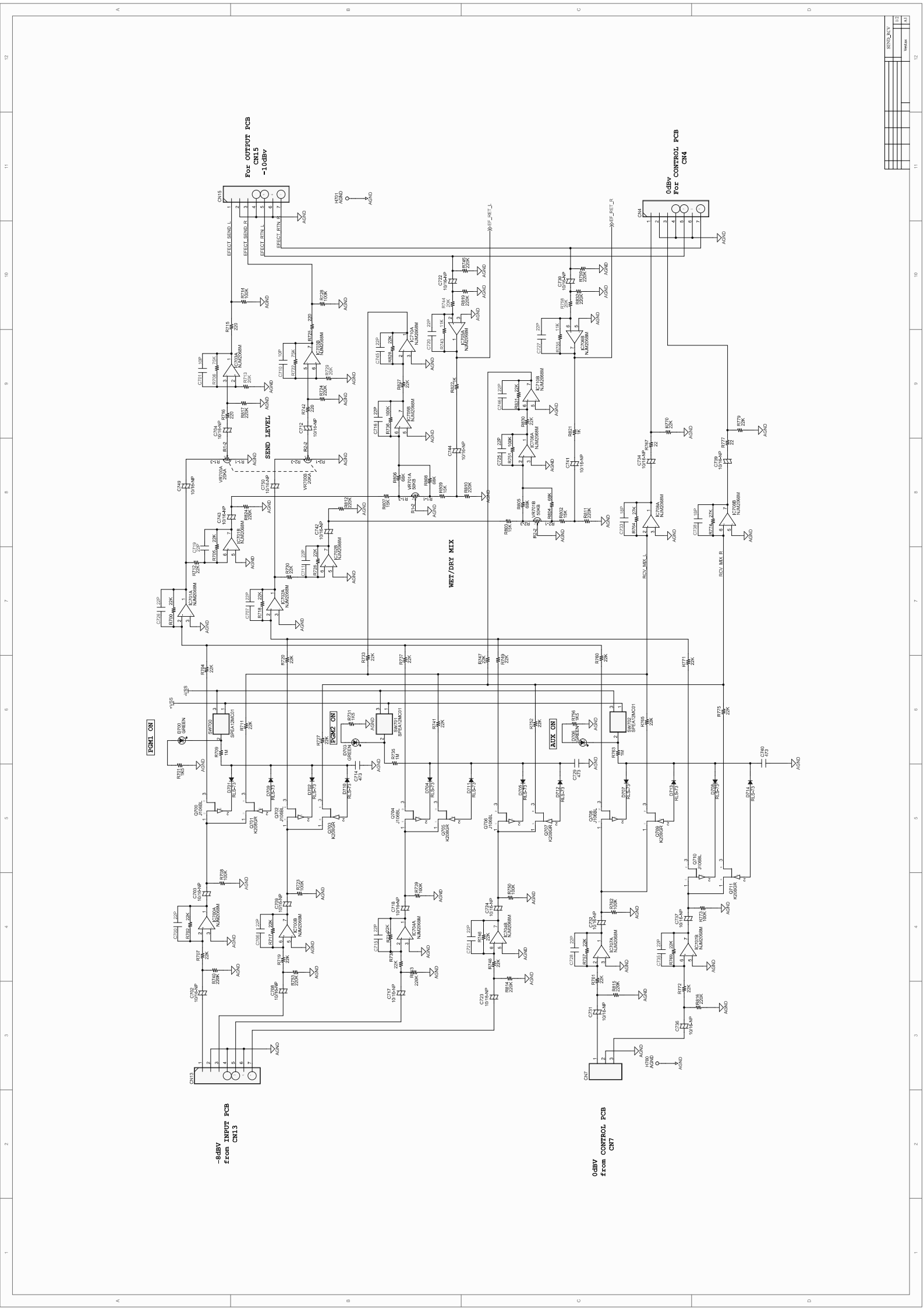
for INPUT PCB -10dB OUT



From INPUT PCB CN1 -10dB IN



PGM1 INPUT SELECT	
V610A	
V610B	
V610C	
V610D	
V610E	
V610F	
V610G	
V610H	
V610I	
V610J	
V610K	
V610L	
V610M	
V610N	
V610O	
V610P	
V610Q	
V610R	
V610S	
V610T	
V610U	
V610V	
V610W	
V610X	
V610Y	
V610Z	



-8dBV
from INPUT PCB
CN13

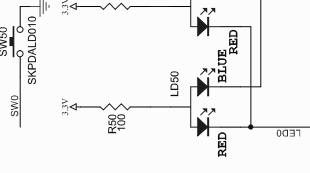
For OUTPUT PCB
CN15
-1.0dBV

0dBV
from CONTROL PCB
CN7

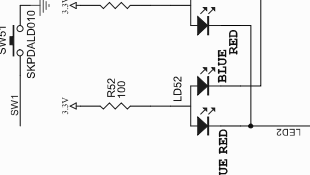
0dBV
For CONTROL PCB
CN4

REV	DATE	BY	CHK
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			

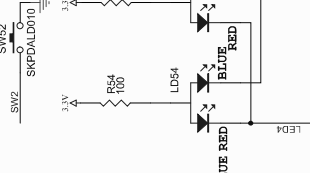
SAMPLER_1



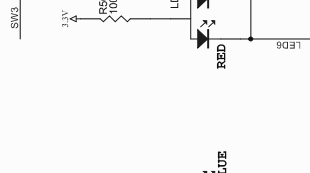
SAMPLER_2



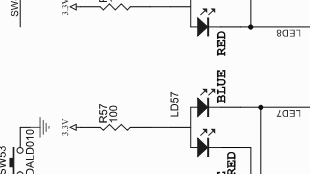
SAMPLER_3



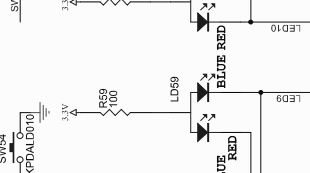
SAMPLER_4



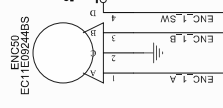
SAMPLER_5



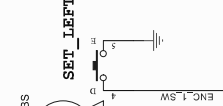
SAMPLER_6



LOAD_LEFT



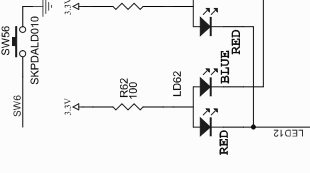
LOAD_RIGHT



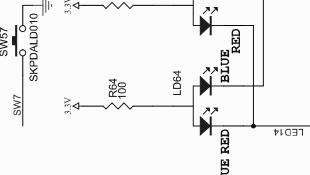
SHIFT



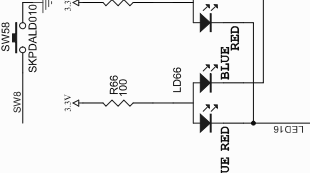
LEFT_x1/2



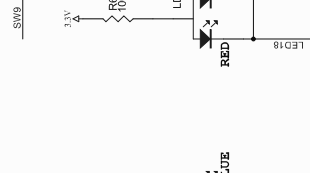
LEFT_x2



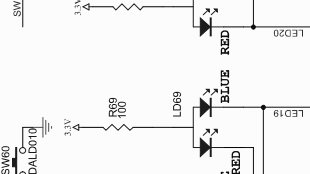
LEFT_AUTO_LOOP



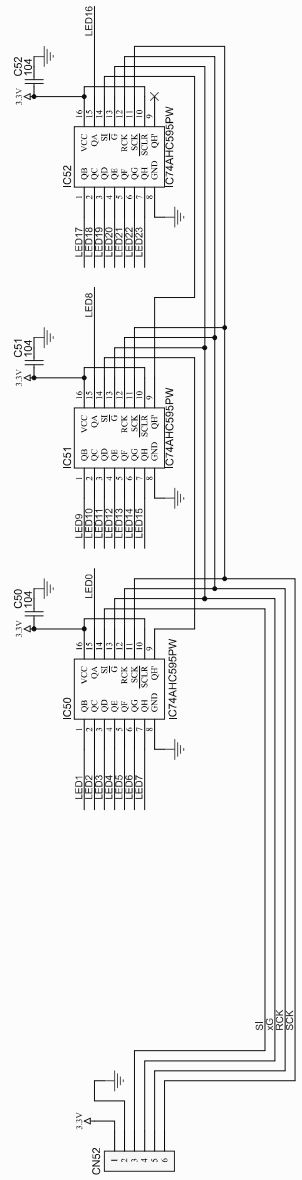
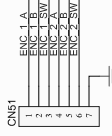
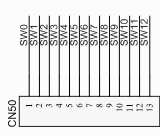
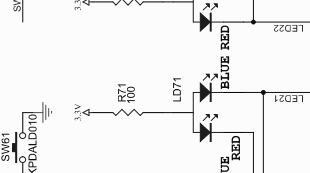
RIGHT_x1/2



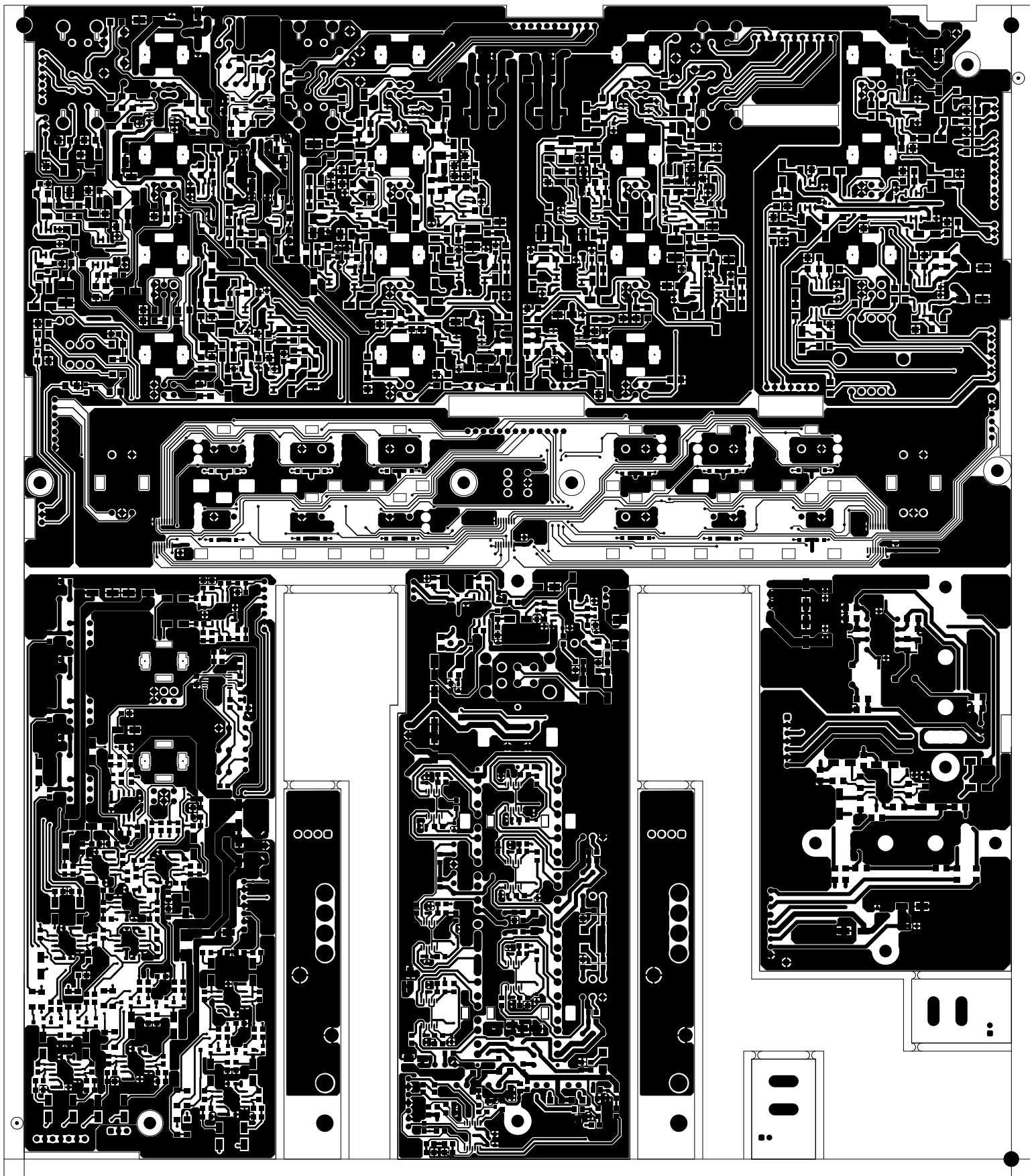
RIGHT_x2

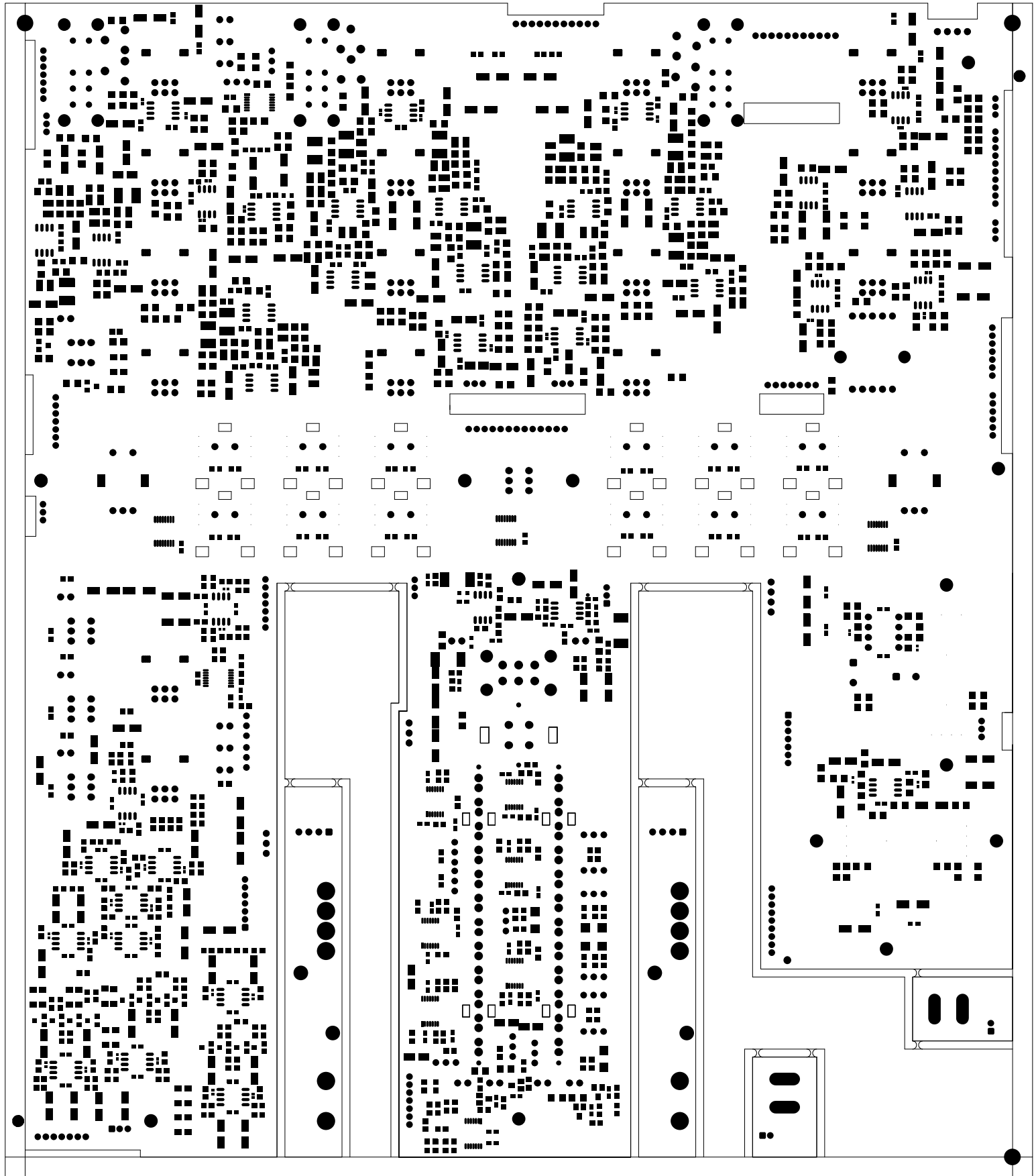


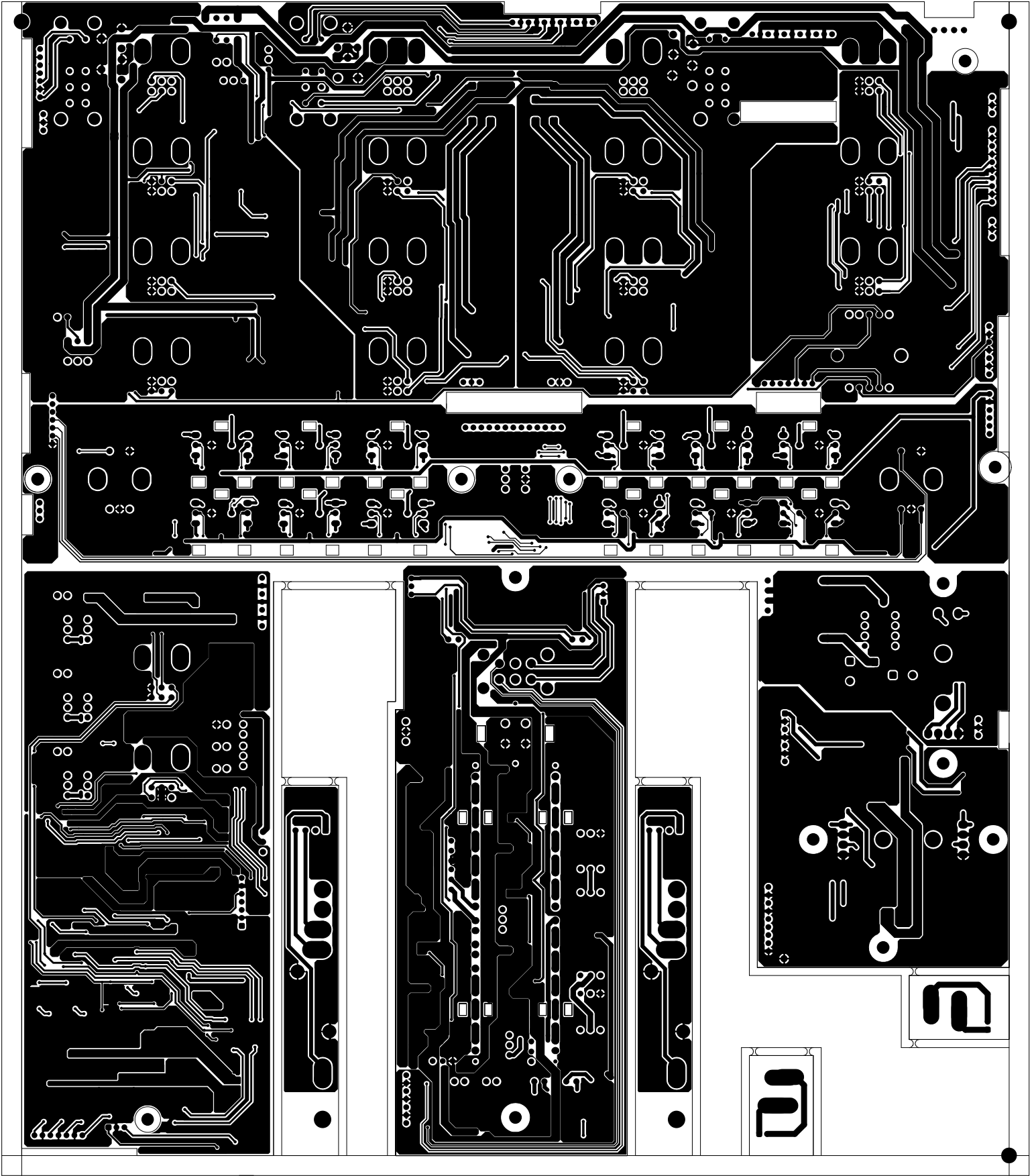
RIGHT_AUTO_LOOP

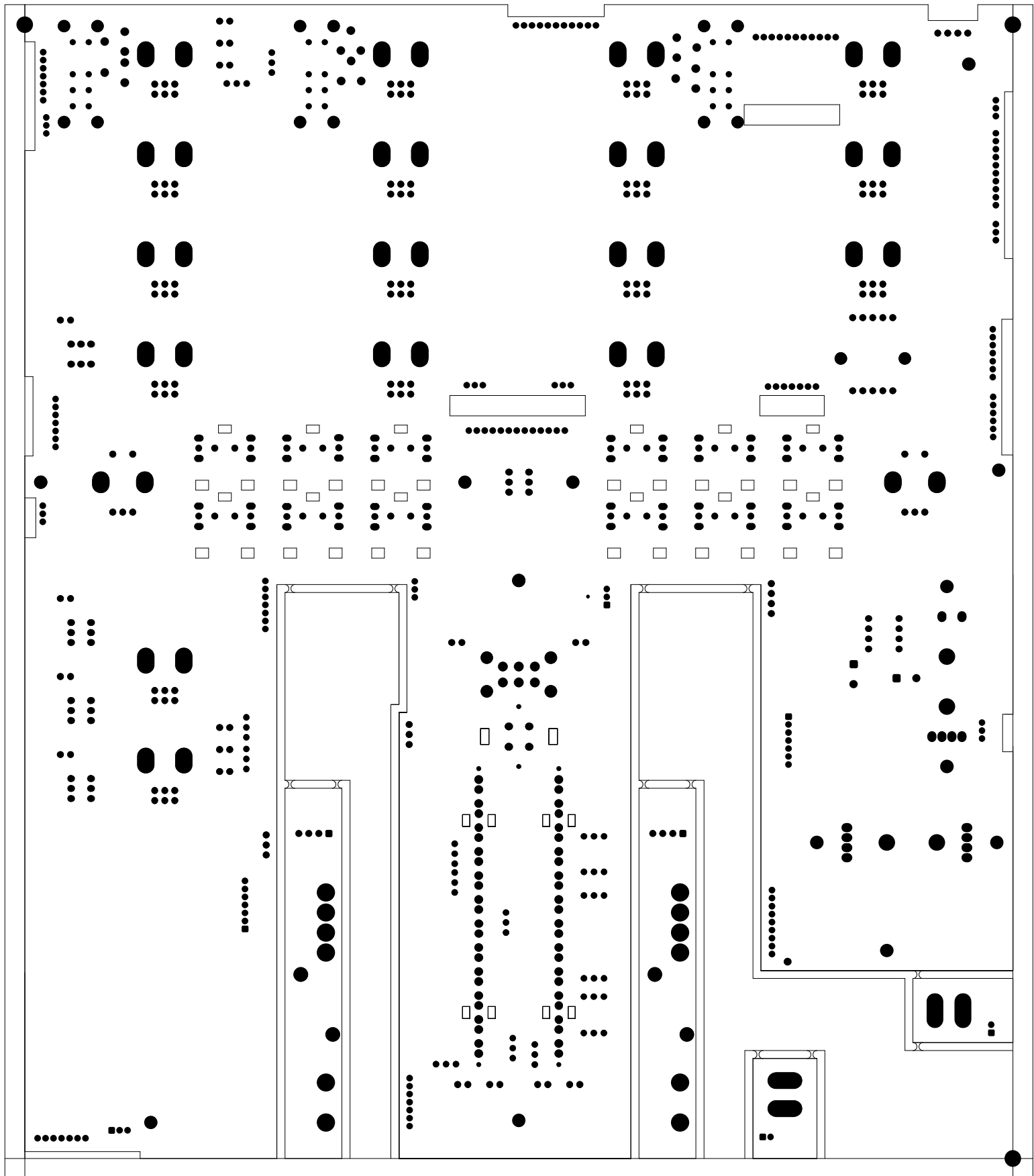


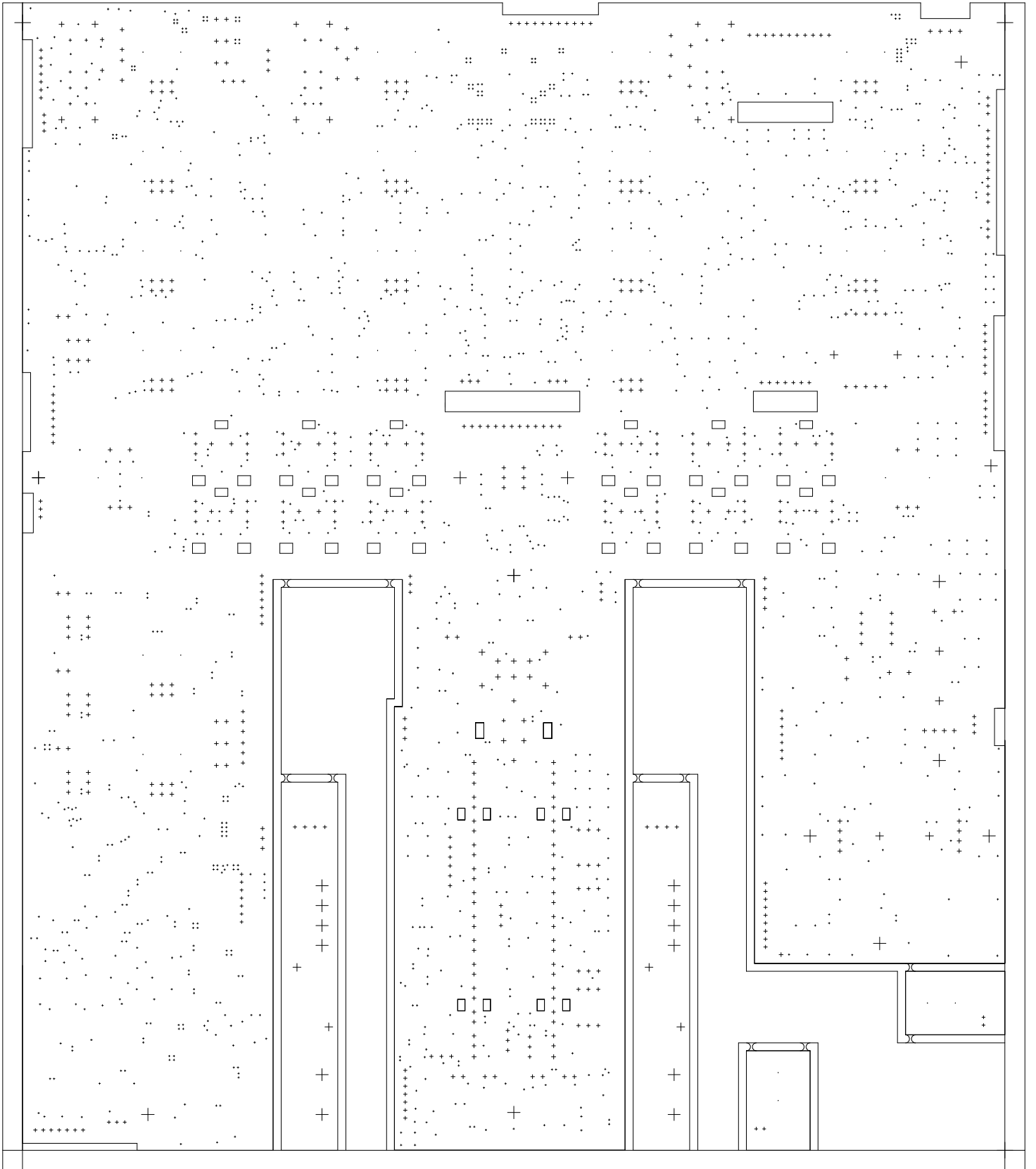
SW_ENC_PCB
Ver:0.0
A3



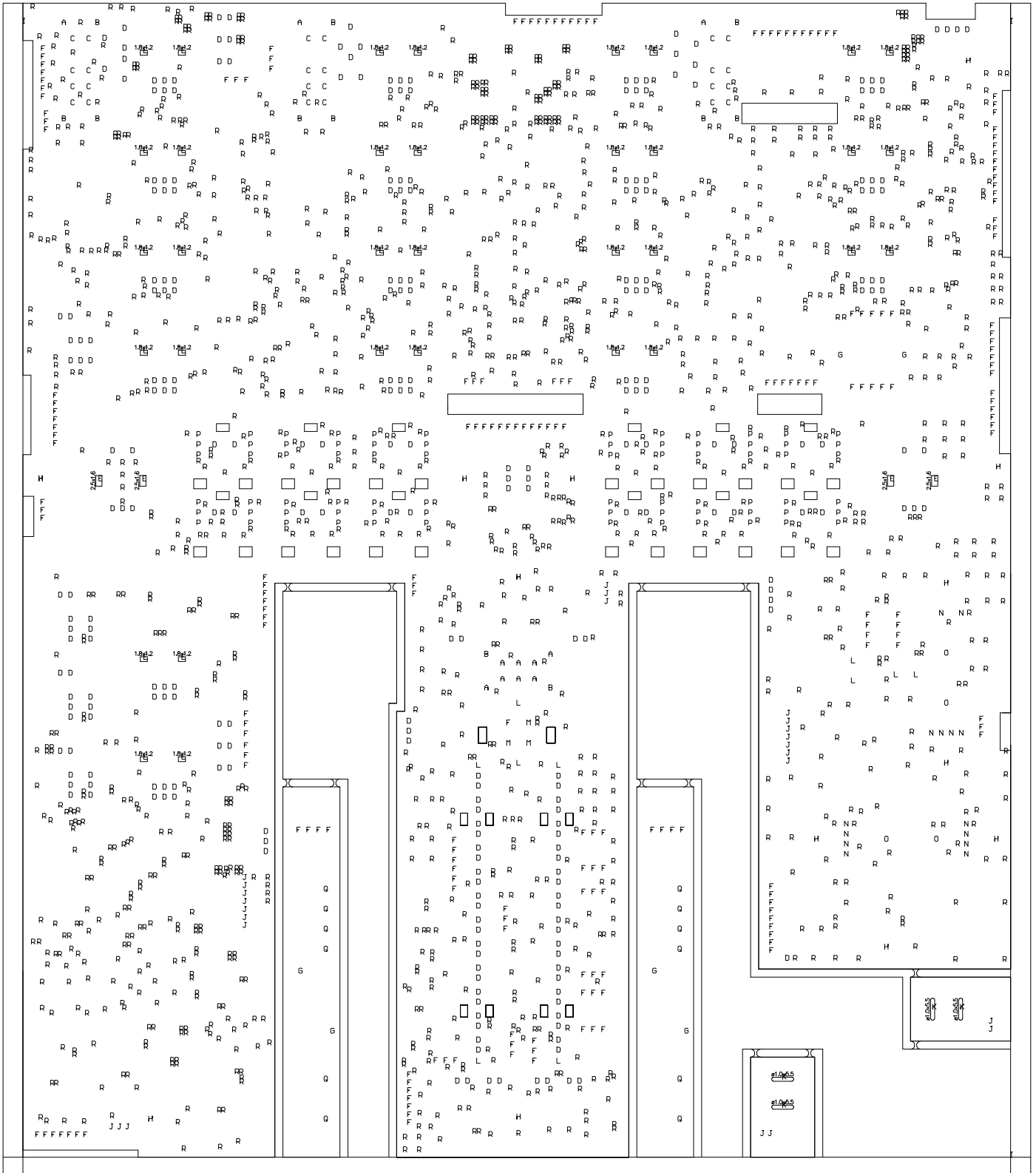


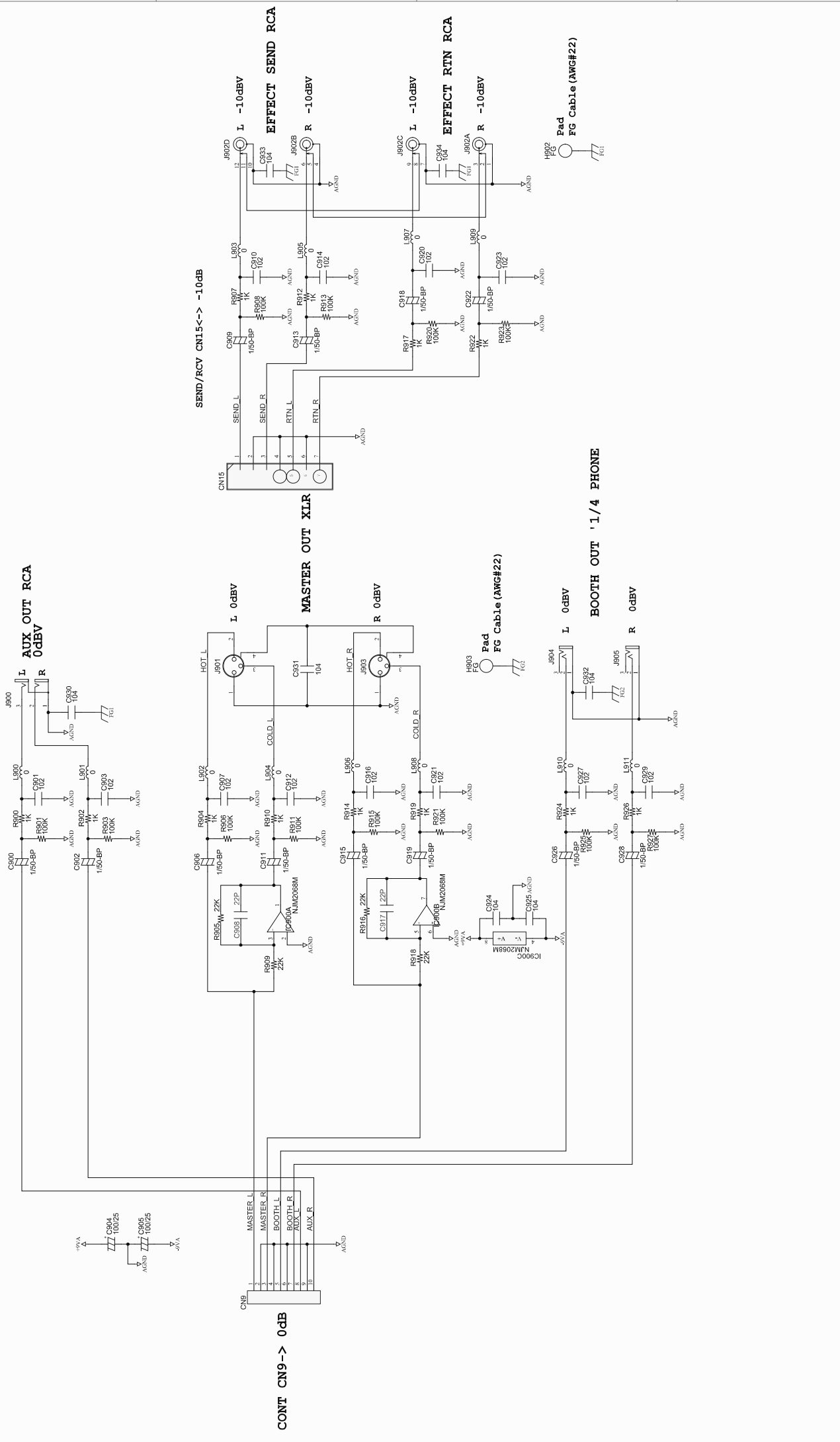






Symbol	Hit Count	Tool Size	Plated	Hole Type
E	38	0.1mm (3.937m)	NPTH	Round
K	4	0.1mm (3.937m)	PTH	Round
R	1589	0.4mm (15.748m)	PTH	Round
C	24	0.7mm (27.559m)	PTH	Round
J	24	0.8mm (31.496m)	PTH	Round
P	72	0.8mm (31.496m)	NPTH	Round
F	208	0.9mm (35.433m)	PTH	Round
D	279	1mm (39.37m)	PTH	Round
L	10	1.1mm (43.307m)	PTH	Round
N	14	1.1mm (43.307m)	NPTH	Round
M	3	1.2mm (47.244m)	PTH	Round
A	11	1.3mm (51.181m)	PTH	Round
B	11	1.55mm (61.024m)	PTH	Round
O	4	2mm (78.74m)	NPTH	Round
G	6	2mm (78.74m)	PTH	Round
Q	12	3.1mm (122.047m)	PTH	Round
H	15	3.2mm (125.984m)	NPTH	Round
I	3	4mm (157.48m)	NPTH	Round
		2327 Total		





AUX OUT RCA
0dBV

MASTER OUT XLR
0dBV

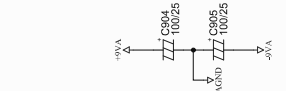
BOOTH OUT 1/4 PHONE
0dBV

SEND/RCV CN15 -> -10dBV

EFFECT SEND RCA
-10dBV

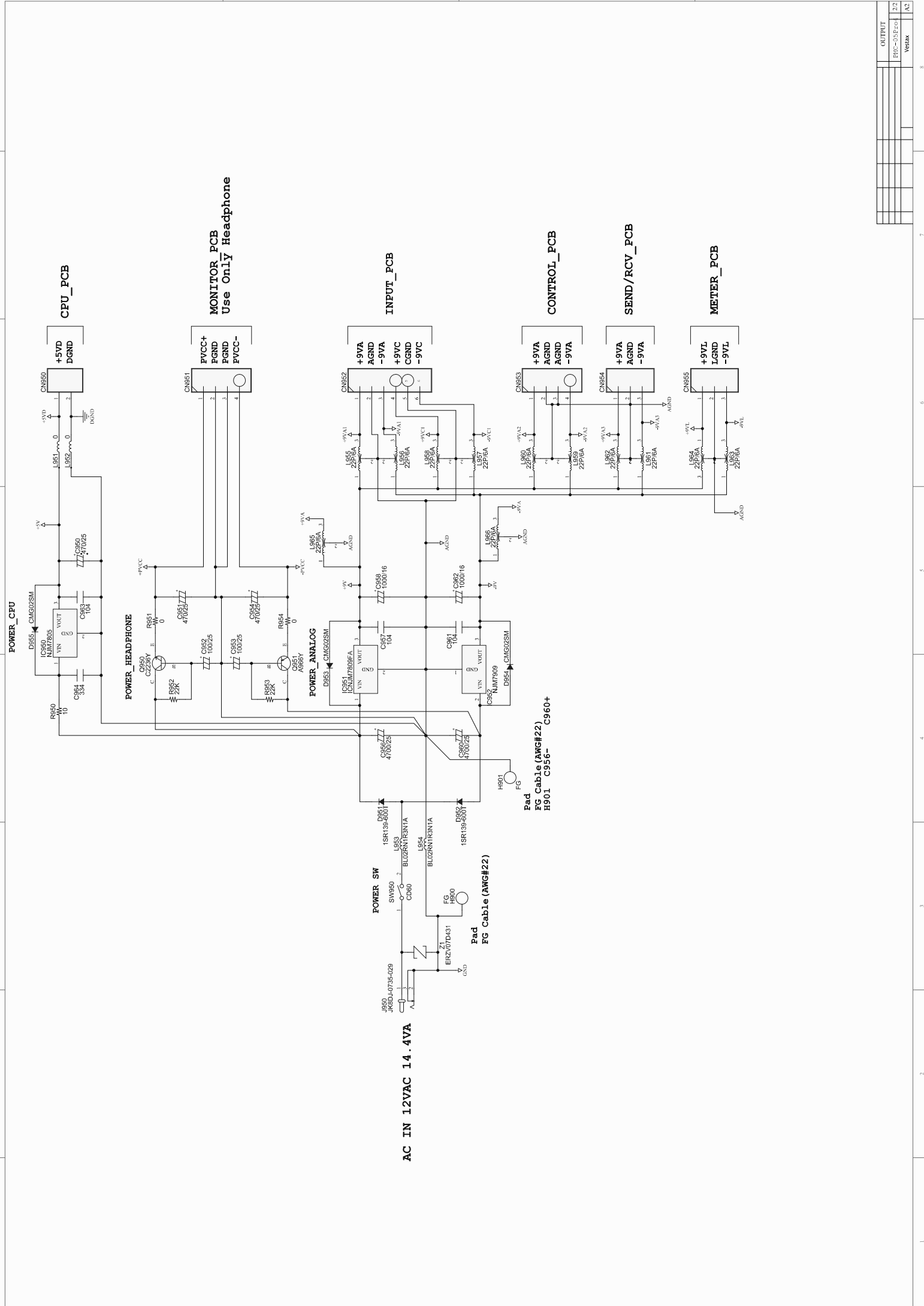
EFFECT RTN RCA
-10dBV

Pad
FG Cable (AWG#22)



CONT CN9 -> 0dB

OUTPUT	
FREQ=0.05Hz	1/2
Vol:80dB	A2

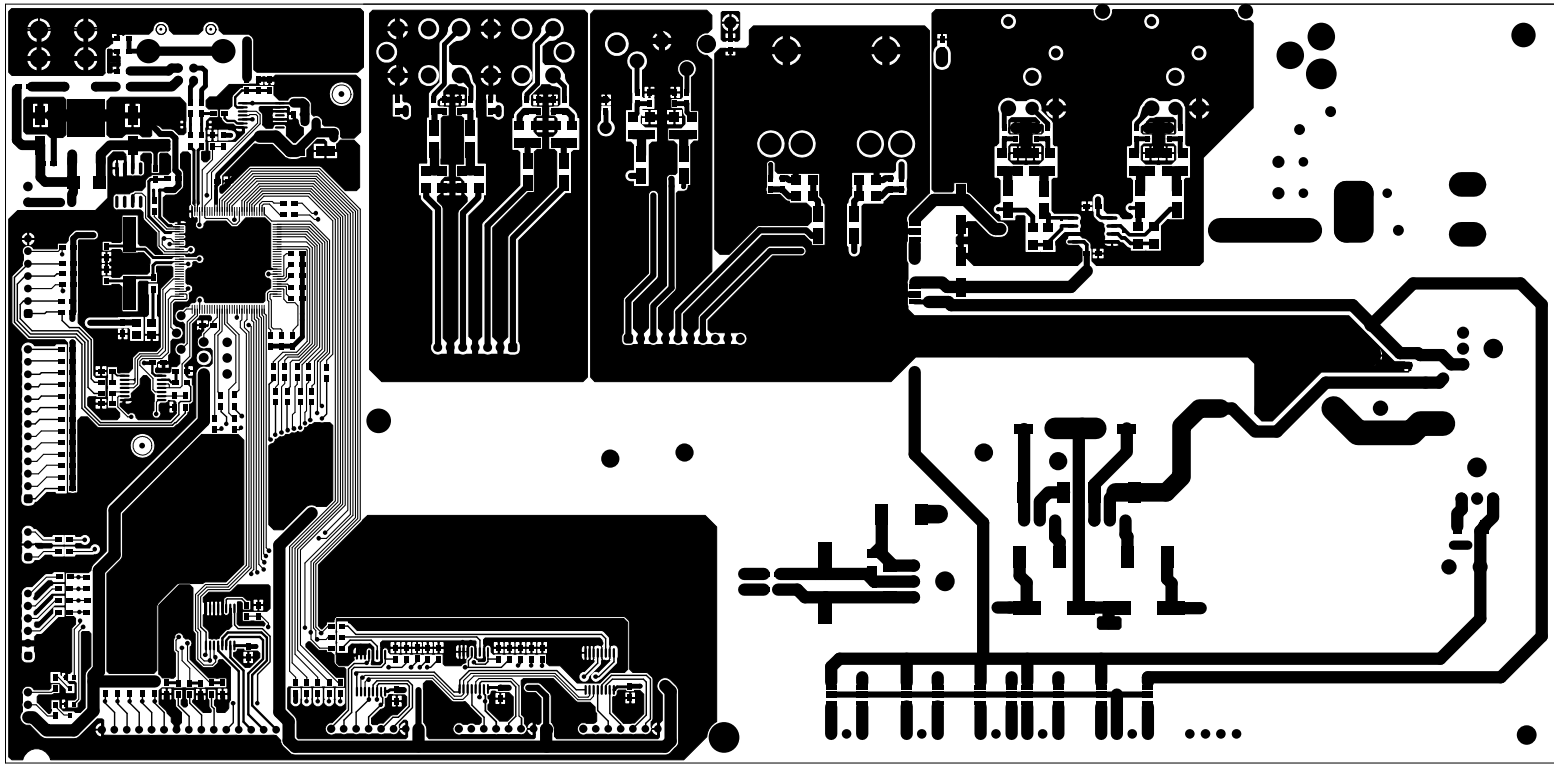


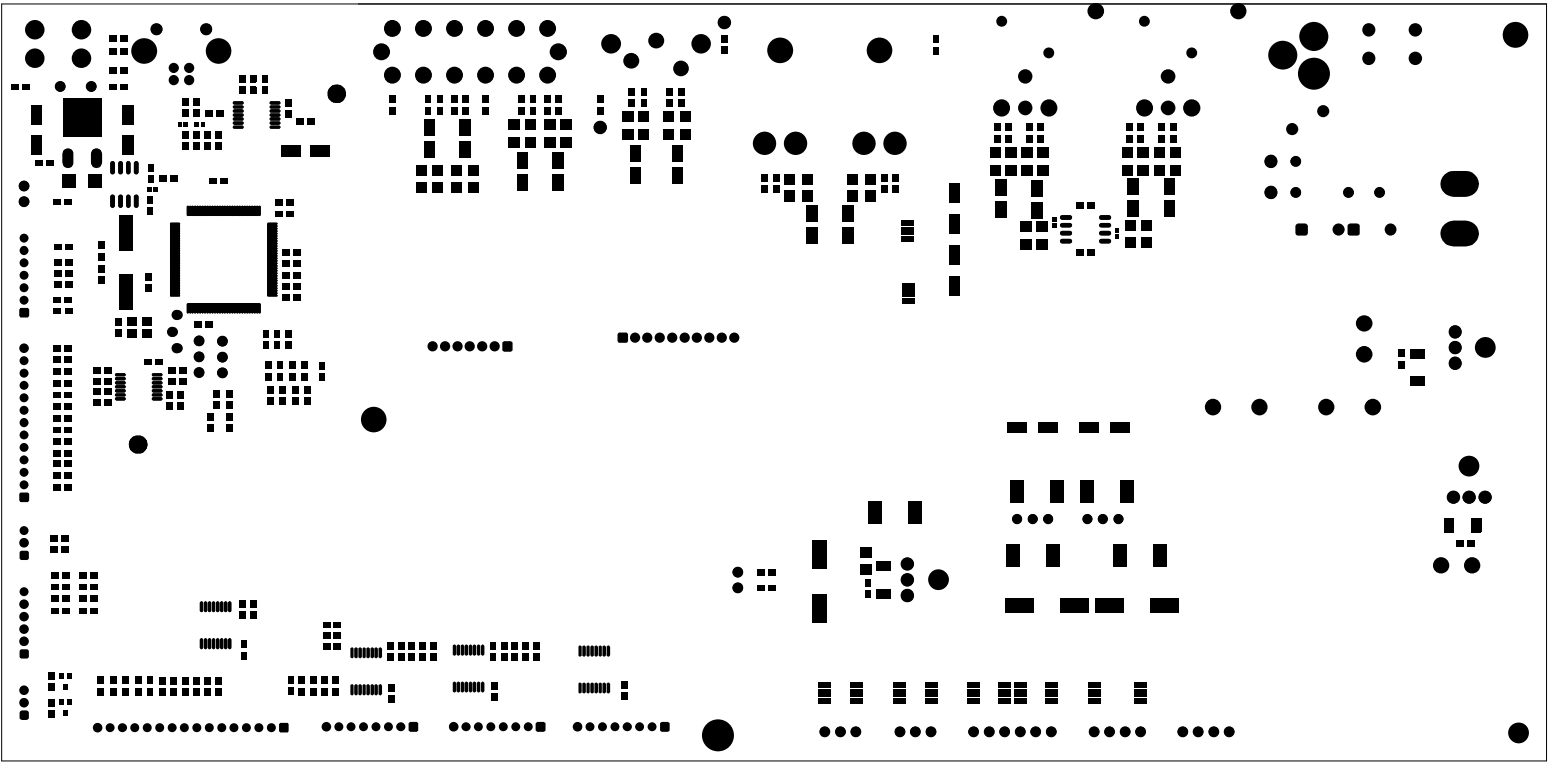
AC IN 12VAC 14.4VA

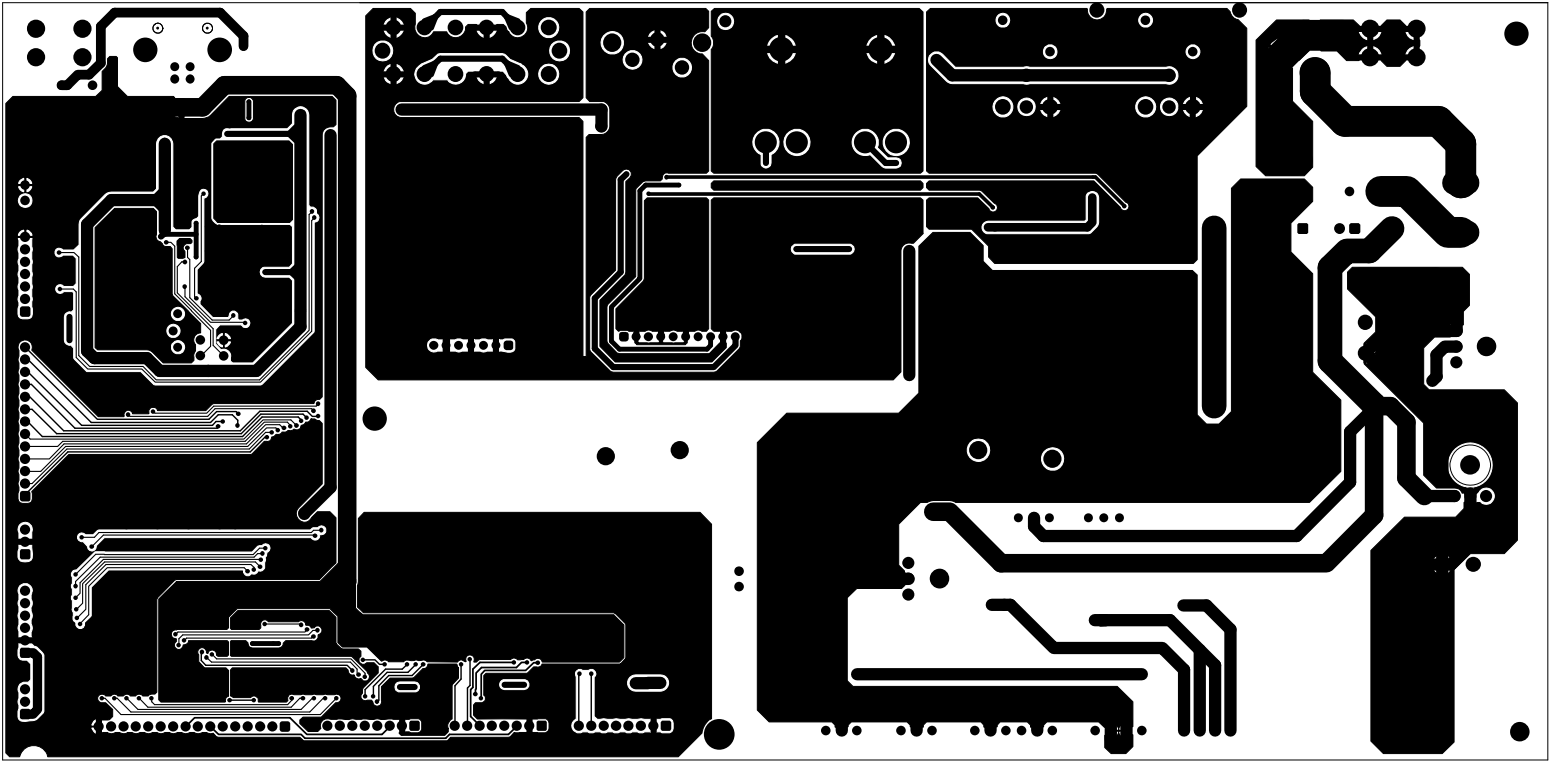
MONITOR_PCB
Use Only Headphone

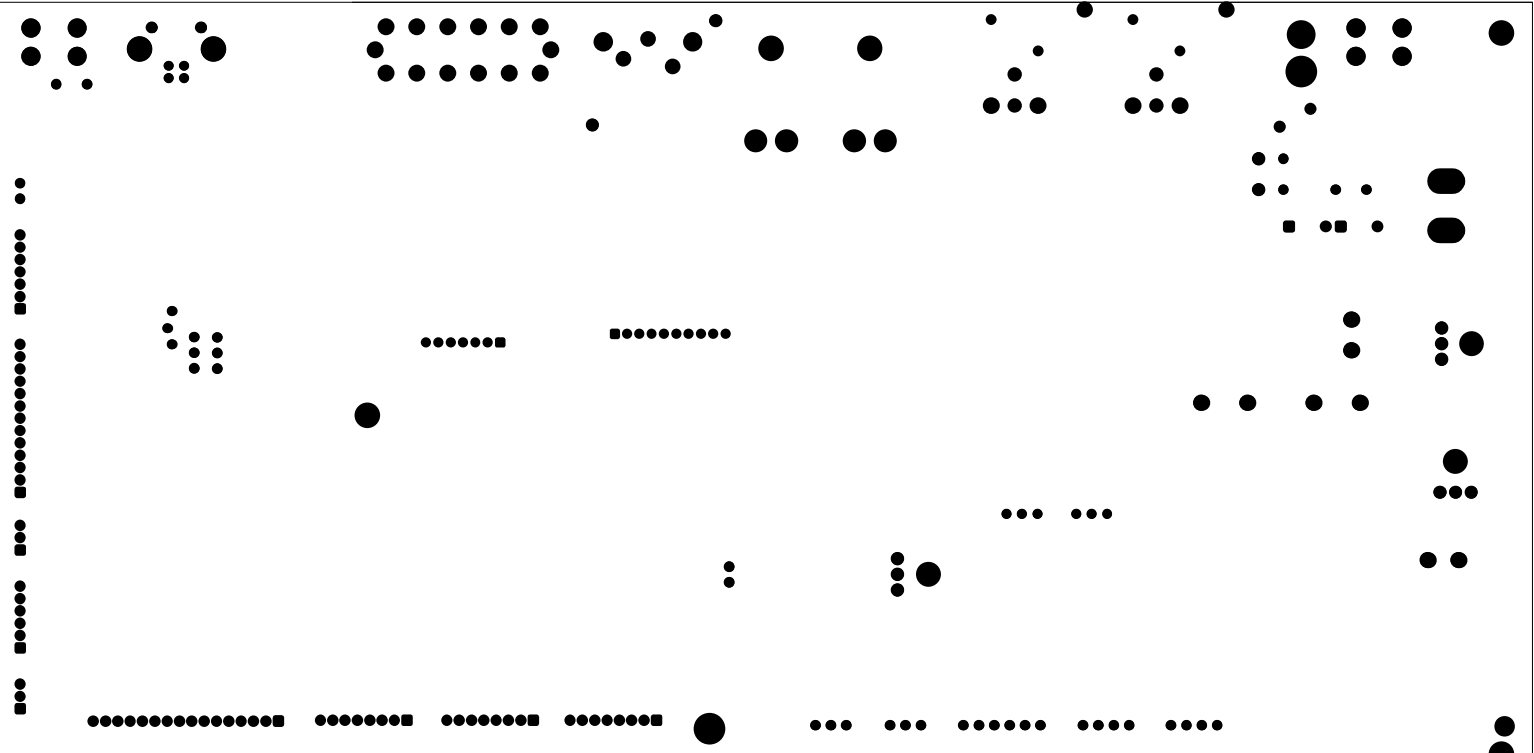
Pad
FG Cable (AWG#22)
H901 C956- C960+

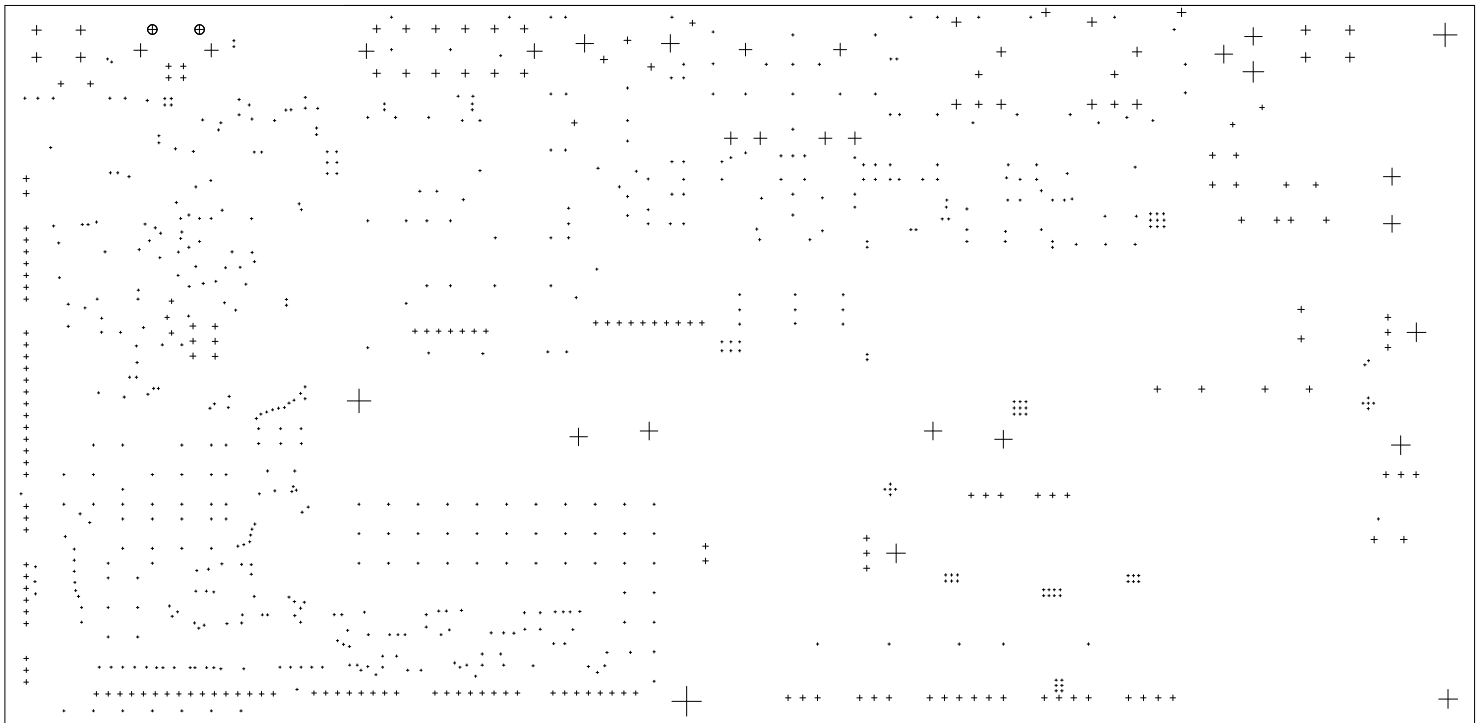
OUTPUT	
FUC-092204	22
Ver:04	A3



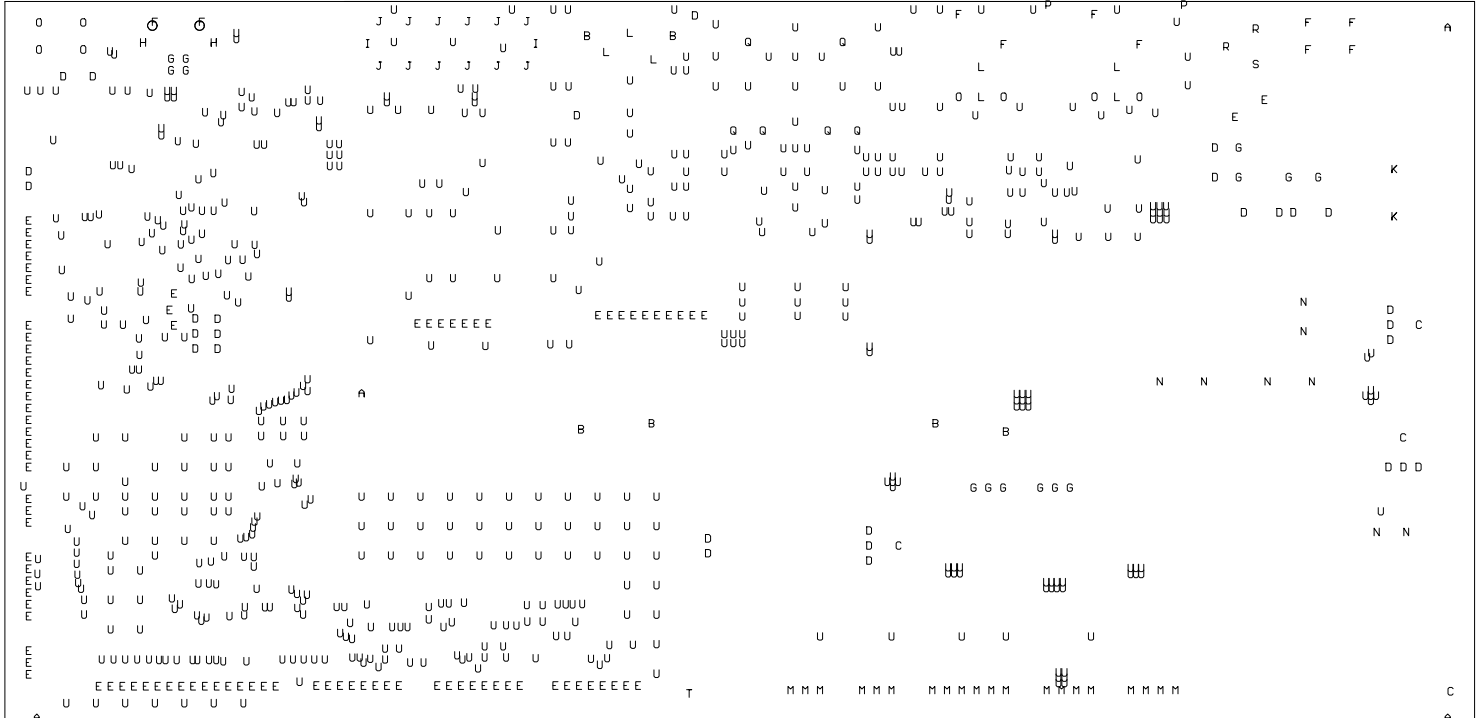


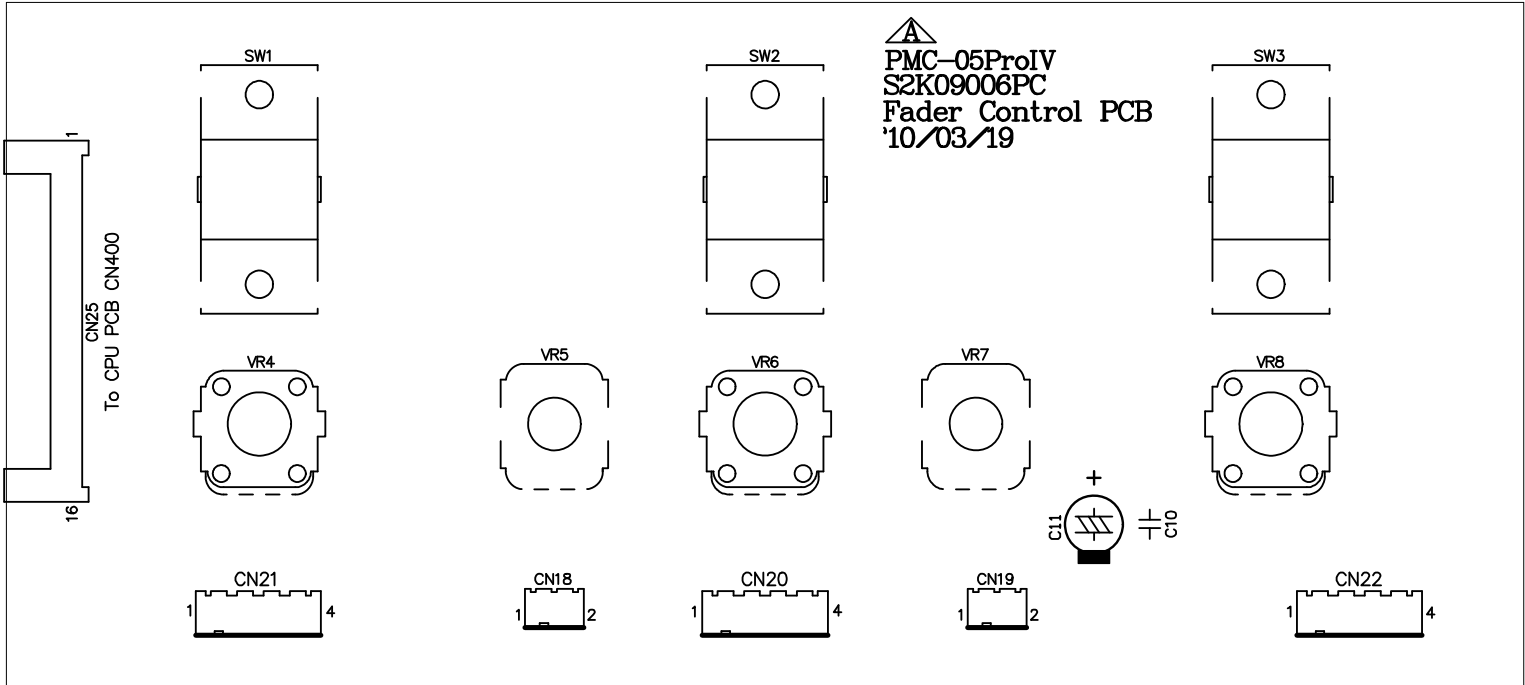


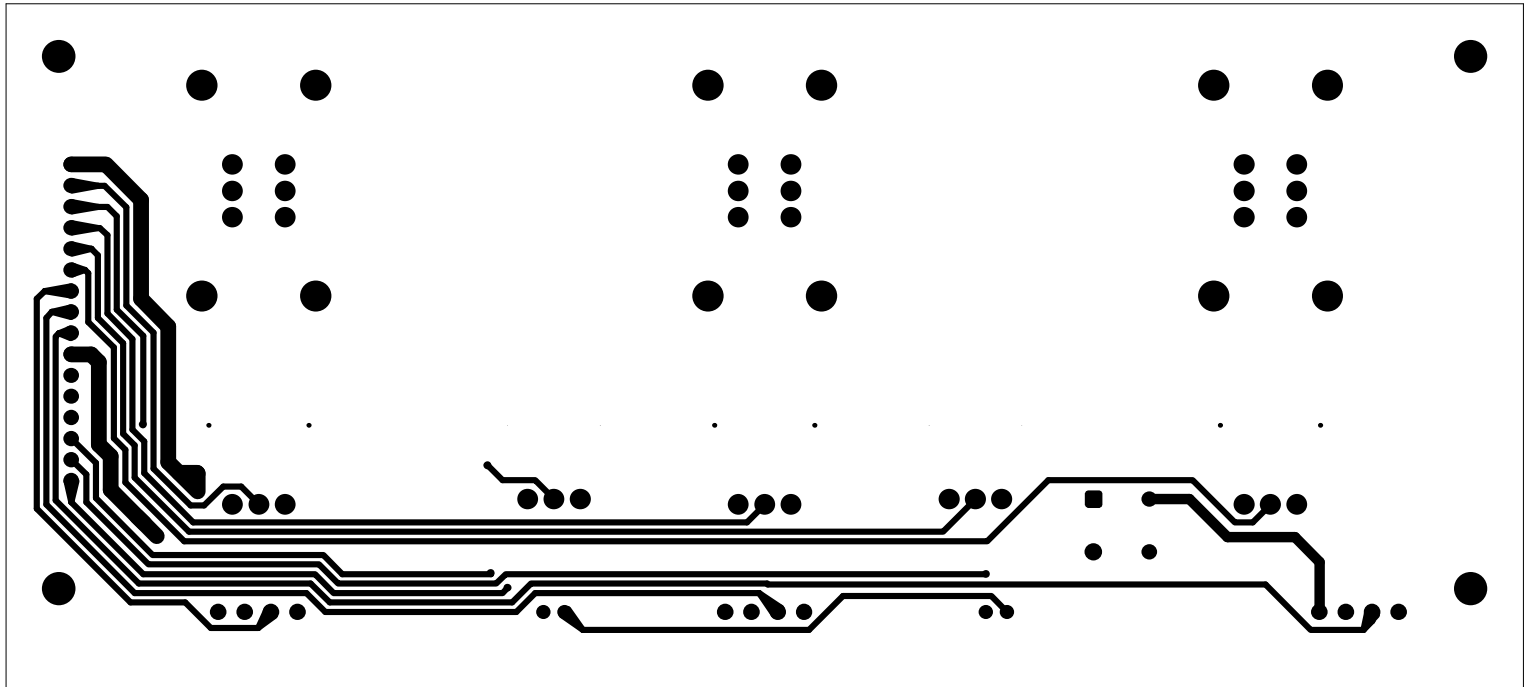


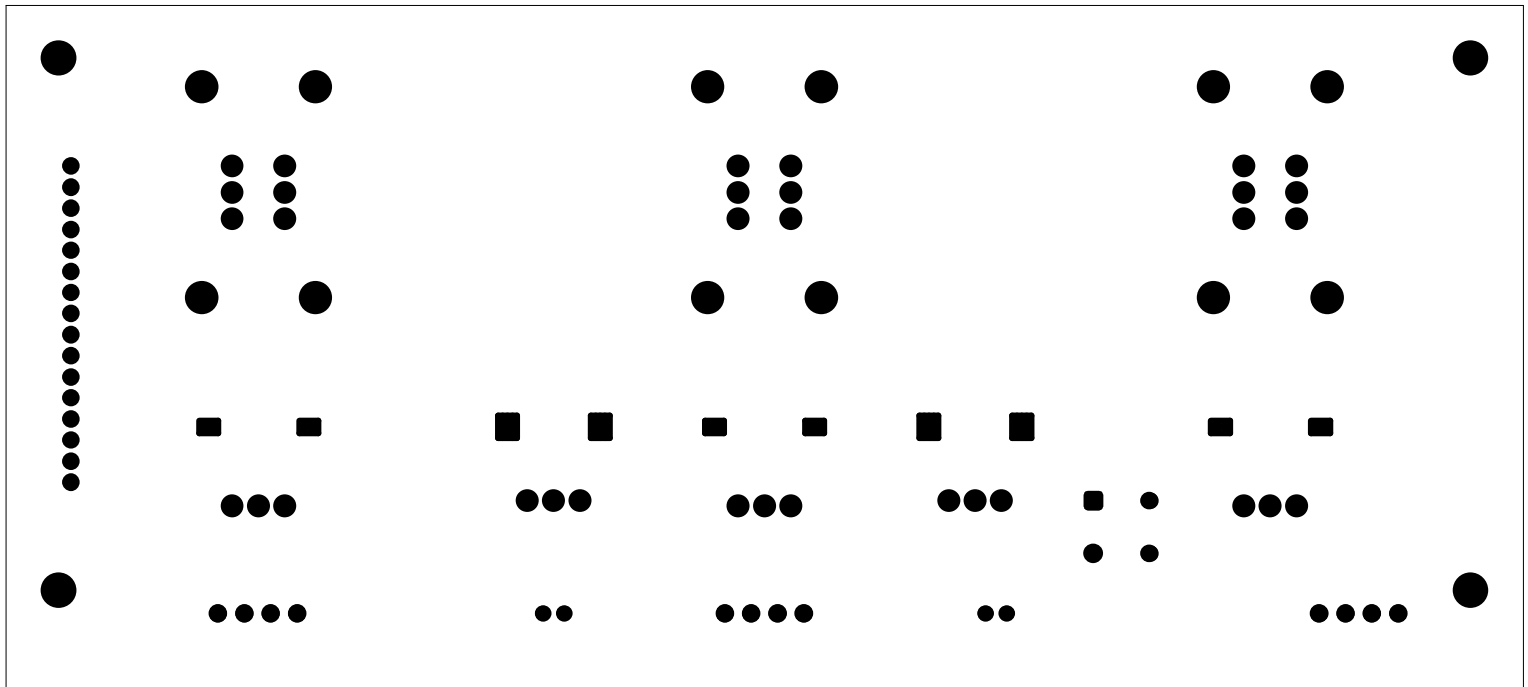


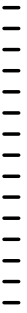
Symbol	Hit Count	Tool Size	Plated	Hole Type
U	591	0.4mm (15.748mil)	PTH	Round
E	94	0.8mm (31.496mil)	PTH	Round
G	14	0.9mm (35.433mil)	PTH	Round
M	20	0.95mm (37.402mil)	PTH	Round
D	29	1mm (39.37mil)	PTH	Round
N	8	1.1mm (43.307mil)	PTH	Round
L	7	1.2mm (47.244mil)	PTH	Round
J	12	1.3mm (51.181mil)	PTH	Round
P	2	1.5mm (59.055mil)	PTH	Round
O	8	1.6mm (62.992mil)	PTH	Round
F	10	1.6mm (62.992mil)	NPTH	Round
Q	6	2.2mm (86.614mil)	PTH	Round
H	2	2.3mm (90.551mil)	PTH	Round
I	2	2.6mm (102.362mil)	NPTH	Round
K	2	2.9mm (114.173mil)	PTH	Round
R	2	3mm (118.11mil)	PTH	Round
B	6	3mm (118.11mil)	NPTH	Round
C	4	3.2mm (125.984mil)	NPTH	Round
S	1	3.5mm (137.795mil)	PTH	Round
A	6	4mm (157.48mil)	NPTH	Round
T	1	5mm (196.85mil)	NPTH	Round
	827 Total			











From Input Feder PCB
CN18

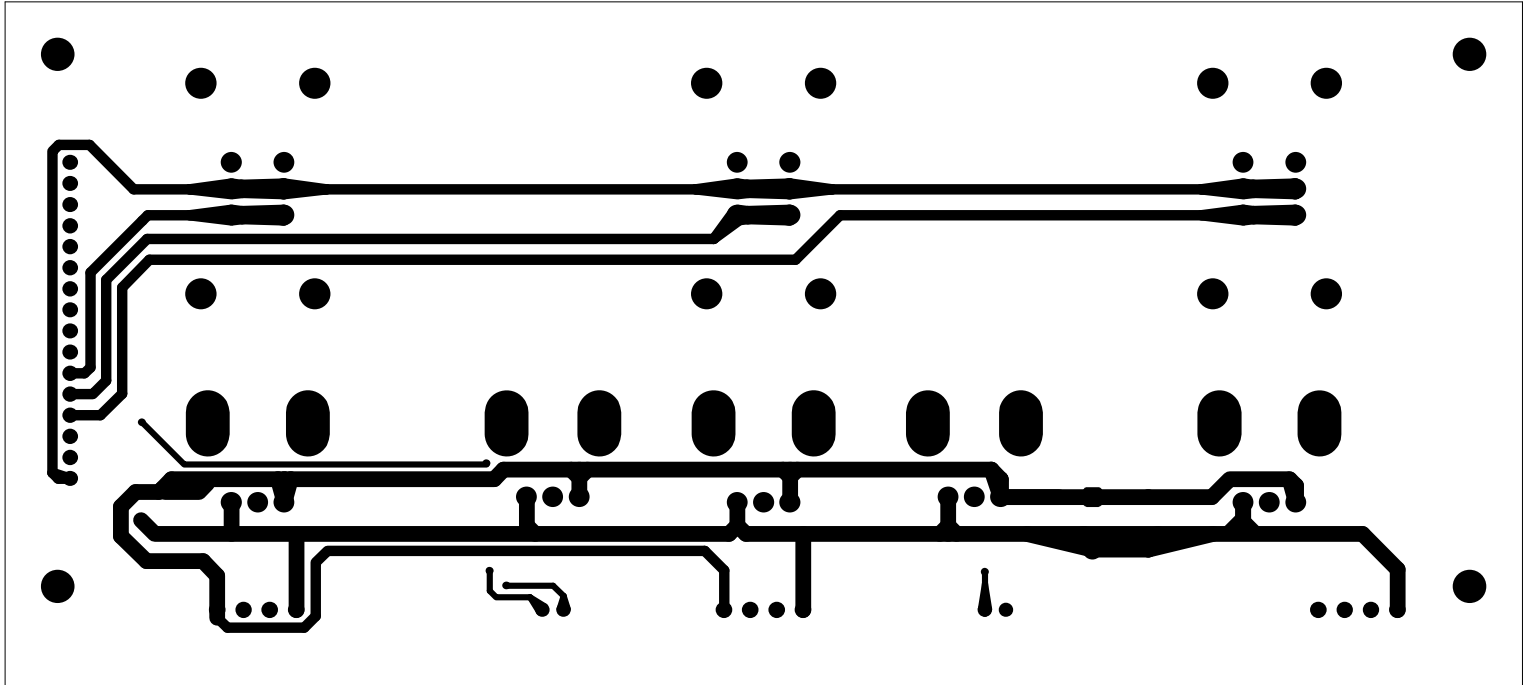
From Trans-PGM PCB
CN18

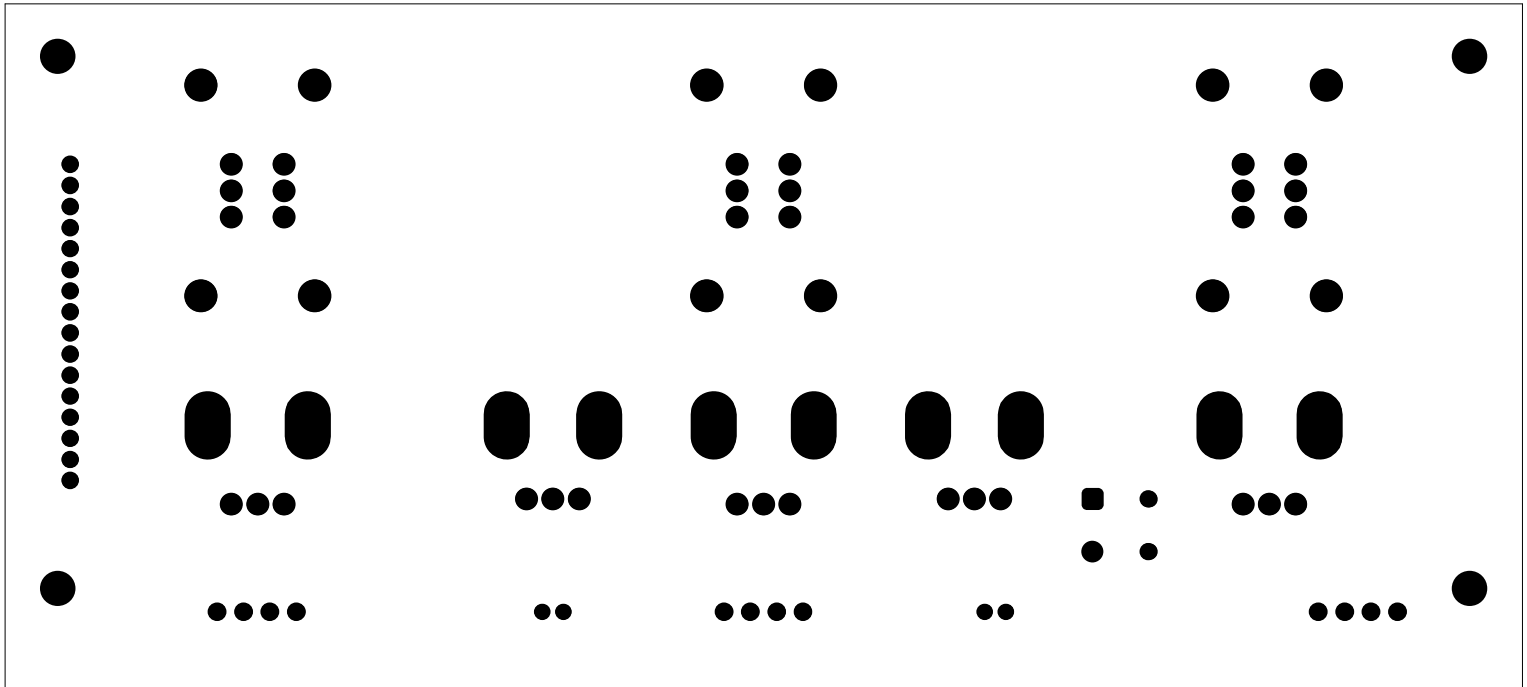
From Contact Cross Feder

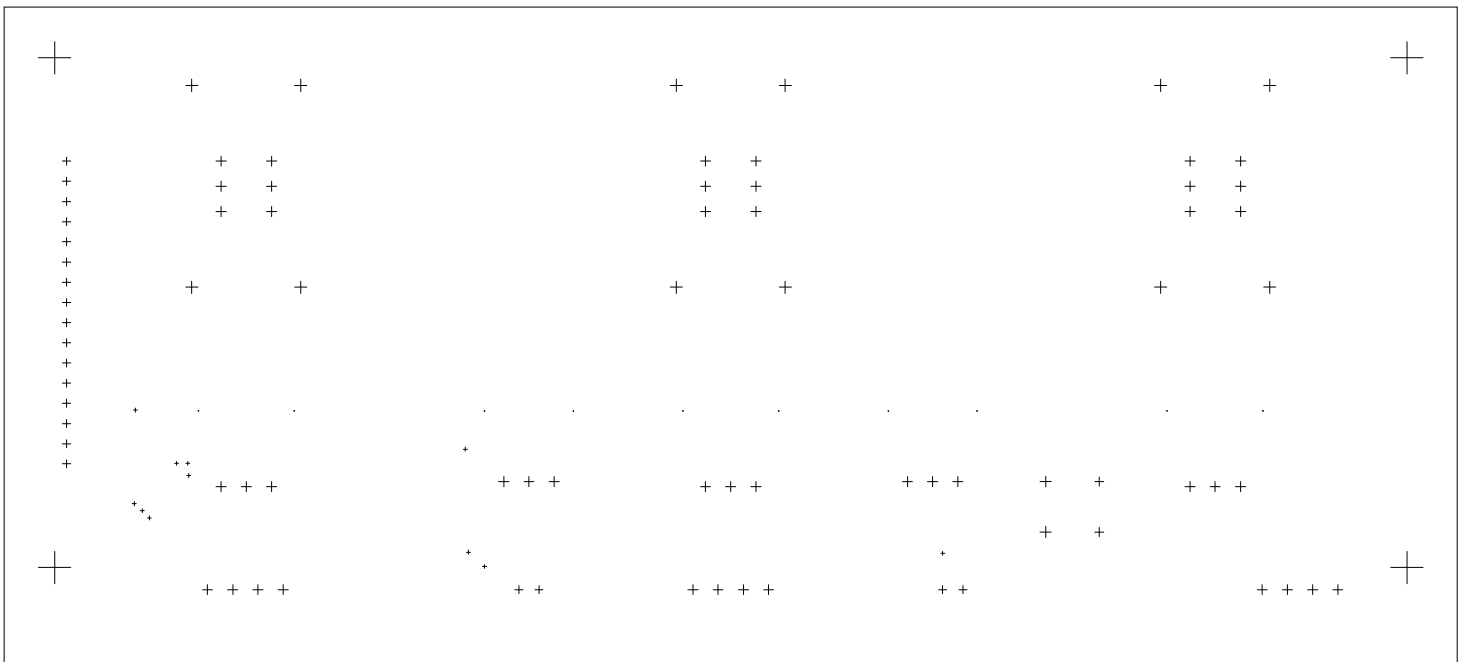
From Trans-PGM PCB
CN18

From Input Feder PCB
CN18

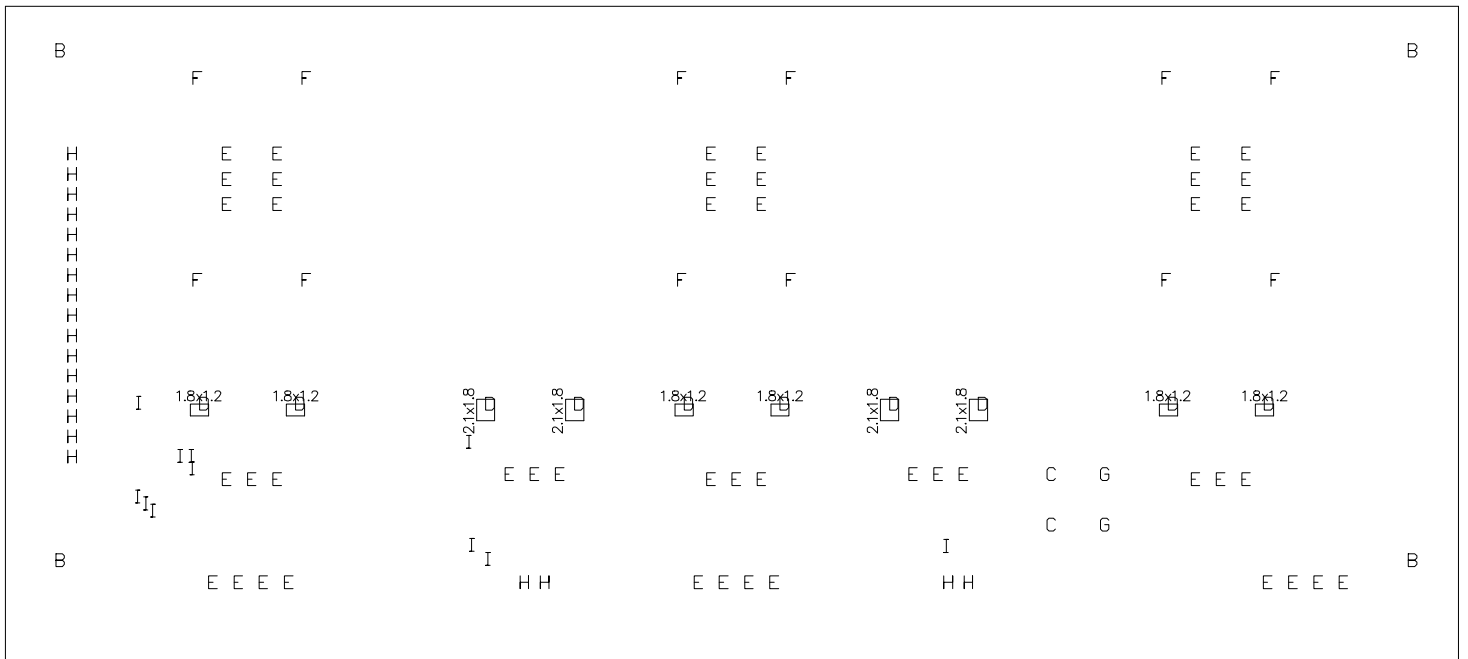


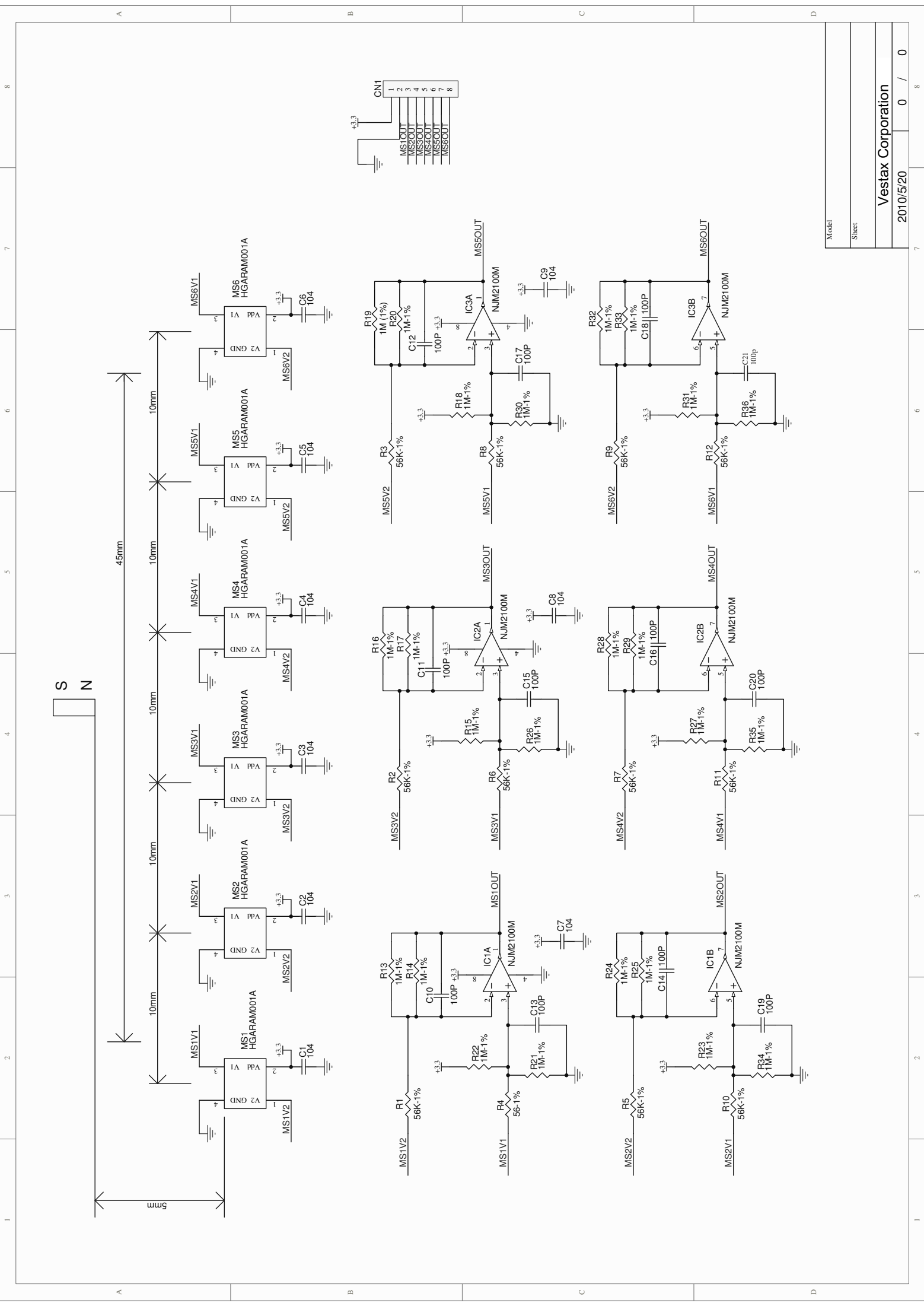




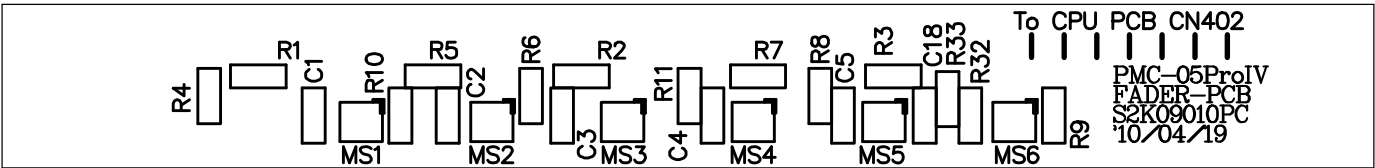


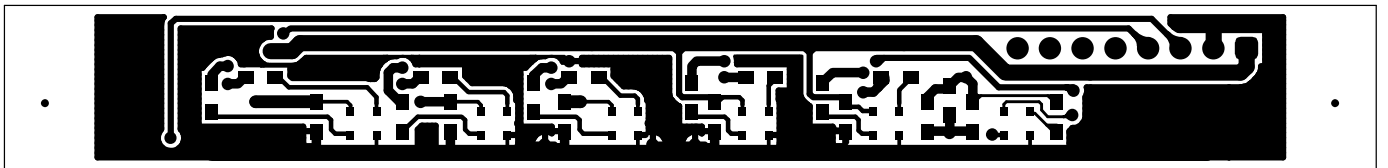
Symbol	Hit Count	Tool Size	Plated	Hole Type
D	10	0.1mm (3.937mil)	NPTH	Round
I	11	0.4mm (15.748mil)	PTH	Round
H	20	0.8mm (31.496mil)	PTH	Round
G	2	0.9mm (35.433mil)	PTH	Round
E	45	1mm (39.37mil)	PTH	Round
C	2	1.1mm (43.307mil)	PTH	Round
F	12	1.2mm (47.244mil)	PTH	Round
B	8	3.2mm (125.984mil)	NPTH	Round
A	2	4mm (157.48mil)	NPTH	Round
	112 Total			

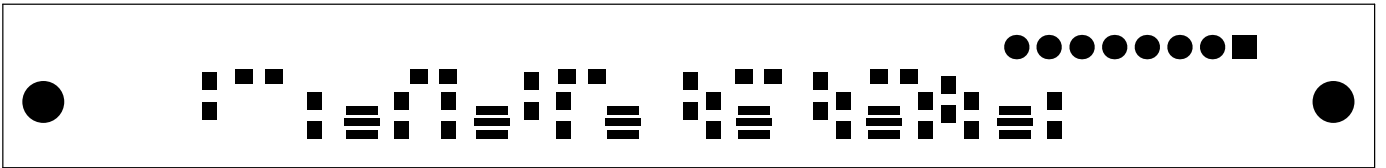


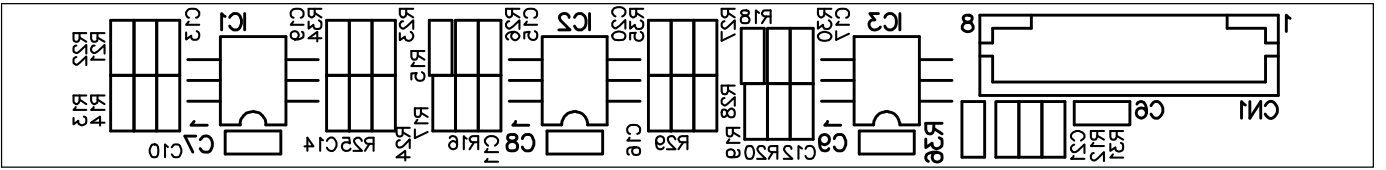


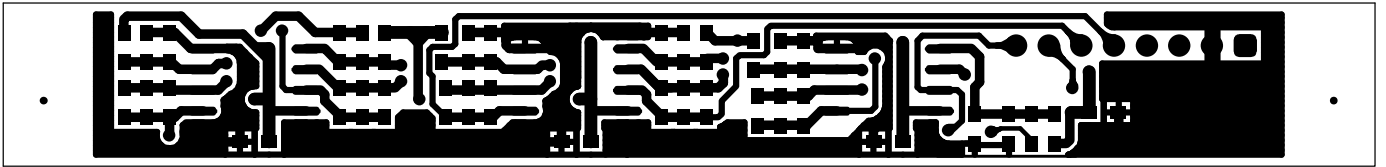
Model	
Sheet	
Vestax Corporation	
2010/5/20	
	0 / 0

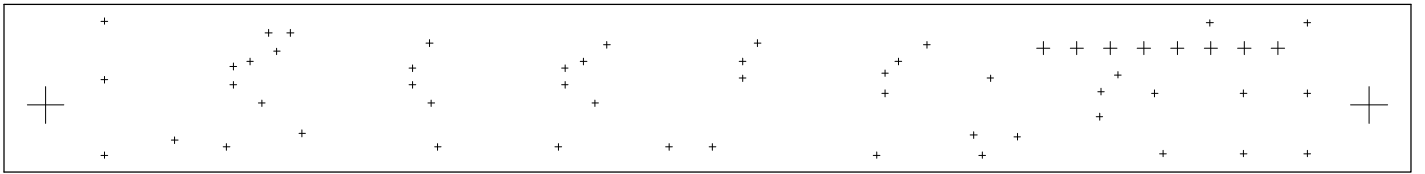












Symbol	Hit Count	Tool Size	Plated	Hole Type
D	49	0.4mm (15.748mil)	PTH	Round
A	8	0.8mm (31.496mil)	PTH	Round
B	2	2.2mm (86.614mil)	NPTH	Round
C	4	4mm (157.48mil)	NPTH	Round
	63 Total			

