

SERVICE

MANUAL

A U D I O
MIXER

SMX-812

interM

ELECTRICAL PARTS LIST (SMX-812)

Ref No.	Part No.	Description	Value	Qty	REMARK
MAIN B'D					
IC101 IC201 IC301	2118010432	IC NJM2068DD JRC	2068D	3	
IC401 IC501	2168220987	IC NJM 5532L JRC	5532L	2	
IC102-103 IC302-303 IC503 IC701 IC801	2118010455	NJM4558D	4558D	7	
IC502 IC602 IC1004 IC901 IC951	2118010454	NJM4558L	4558L	5	
IC952	2118010433	NJM4556L	4556L	1	
IC751	2118010332	IC NJM 5532DD JRC	5532D	1	
IC802	2118031035	IC MN3007 CHIYODA	MN3007	1	
IC803	2118060112	MN3101	MN3101	1	
IC851 IC852	2118070111	KA6966S	6966S	2	
IC853-854	2118070112	KA6967S	6967S	2	
IC1001	2128610900	IC KA7815 COMMON	7815A	1	
IC1002	2128610800	IC MC7915 COMMON	7915A	1	
Q1001	2028106113	TR/NPN/KTD2085	D2085	1	POWER B'D
Q203	2008606104-T	TR NPN KTC3198-Y-AT TO-92	C3198	1	
Q951	2008606108-T	KTC3200-BL-AT	C3200	1	
Q101-102 Q201-202 Q301-302 Q401-402	2008207100-T	TR PNP 2SA 970BL-TPE2	A970BL	8	
D951-952	2058100982	DIODE BRIDGE KBP 205	1N4004	2	
ZD1002	2058502240	DIODE ZENER UZ-24BM(1N5252B)	1N4749A	1	
ZD501	2058512120	DIODE ZENER UZP-12BM(1N4742A)	4742A	1	
D101-104 D201-204 D301-304 D401-404 D801-802	2058304100	DIODE 1N4148M	1N4148	18	
LD3 LD851-858	2300052105	LED LTL-307G-041A LITEON	KLG124	9	
LD859-862	2300053105	LED LTL-307EA-041A LITEON	KLY124	4	
LD1-2 LD863-864	2300050105	LED LTL-307E-041A LITEON	KLR124	4	
JK501 JK601	4407188310	RCA JACK/JK020056AN	JK020056AN	2	
JK101 JK201 JK301 JK401	4408194310	XLR JACK (M) E503A0150N	E503A0150N	4	
JK102 JK202 JK302 JK402 JK701-702 JK751 JK901-902 JK951	4408294210	JK9PAONEJACK/H40580120N	JK9PHONE	10	
SW501 SW601	4618999911	SLIDE SW/JSS2301S090	SLID SW	2	
SW1 SW101 SW201 SW301 SW401 SW502 SW602	4628999913	PUSH SW/SPEA121SC021	PUSH SW	7	
RL901	5528008883	RELAY SY-12W-K	12W-K	1	
FB101-102 FB201-202 FB301-302 FB401-402		FERRITE BEAD/H5B	H5B	8	
VR901-902	3227076110	RA4543 20 15C1 A14	A14	2	
VR101 VR201 VR301 VR40	3227075411	EVUF2LFL3 24Y	24Y	1	
VR102-104 VR202-204 VR302-304 VR402-404	3227075415	EVUF3LFL3 B54	B54	12	
VR107 VR207 VR307 VR40	3227075416	EVUF3LFL3 G24	G24	4	
VR105 VR205 VR305 VR40	3227075412	EVUF2LFL3 A14	A14	4	
VR106 VR206 VR306 VR40 VR504 VR604 VR803	3227075417	EVUF2LFL3 A24	A24	7	
VR501-502 VR601-602	3227075414	EVJY96F03 B54	B54	4	

VR503 VR603 VR701 VR95	3227075422	EVJY15F03 A24	A24	4	
VR801	3227075511	CET068CT B10K	10KB.SEMI	1	
FR851-852	3009100974	RES CF 10 1/5W J N	10	2	
R963-964	3009100974	10 OHM 1/6W J(FUSE)	FR 10	2	
R110 R210 R310 R410	3009180973	RES CF 18 1/5W J N	18	4	
R6	3009470973	RES CF 47 1/5W J N	47	1	
R755 R911-912	3009750973	RES CF 75 1/5W JN	75	3	
R501-502 R601-602 R701-704	3009101973	RES CF 100 1/5W J N	100	6	
R124 R224 R324 R424 R525-526 R625-626	3009221973	RES CF 220 1/5W J N	220	8	
R855-856 R861-862	3009331973	RES CF 330 1/5W J N	330	4	
R816	3009821973	RES CF 820 1/5W J N	820	1	
R806 R965 R1014	3009102973	RES CF 1K 1/5W J N	1K	3	
R111-112 R211-212 R311-312 R411-412 R817 R820 R1016 R1017	3009222973	RES CF 2.2K 1/5W J N	2.2K	12	
R120 R220 R320 R420 R535 R636 R635-636 R966 R968-969 R1015	3009472973	RES CF 4.7K 1/5W J N	4.7K	12	
R104-105 R204-205 R304-305 R404-405 R515-516 R521-522 R615-616 R621-622	3009562973	RES CF 5.6K 1/5W J N	5.6K	16	
R913-916 R970	3009622973	RES CF 6.2K 1/5W J N	6.2K	5	
R101-102 R108-109 R135 T201-201 R208-209 R235 R301-302 R308-309 R335 R401-402 R408-409 R435 R507-508 R607-608	3009682973	RES CF 6.8K 1/5W J N	6.8K	24	
R119 R219 R319 R419	3009822973	RES CF 8.2K 1/5W J N	8.2K	4	
R709-710	3009912973	RES CF 9.1K 1/5W JN	9.1K	2	
R117-118 R125-133 R217-218 R225-230 R233 R317-318 R325-328 R330 R333 R417-418 R425-428 R430 R433 R505-506 R513-514 R519-520 R523-524 R529-534 R541 R605-606 R613-614 R916-620 R623-624 R629-634 R641 R952	3009103973	RES CF 10K 1/5W J N	10K	63	
R957-958	3009113973	RES CF 11K 1/5W J N	11K	2	
R115-116 R215-216 R315-316 R415-416 R539 R639 R905-906	3009123973	RES CF 12K 1/5W J N	12K	12	
R123 R223 R323 R423 R752 R853-854	3009153973	RES CF 15K 1/5W J N	15K	7	
R129 R131-132 R134 R229 R231-234 R329 R331-334 R429 R431-434 R527-528	3009183973	RES CF 18K 1/5W J N	18K	63	

R540 R627-628 R640 R705-706 R951 R955-956					
R814	3009223973	RES CF 22K 1/5W J N	22K	1	
R753	3009243973	RES CF 24K 1/5W JN CDC-9300	24K	1	
R113-114 R213-214 R313-314 R413-414 R537-538 R637-638	3009273973	RES CF 27K 1/5W J N	27K	12	
R122 R222 R322 R422	3009683973	RES CF 68K 1/5W J N	68K	4	
R517-518 R617-618 R707-708 R863-864	3009333973	RES CF 33K 1/5W J N	33K	8	
R751	3009363973	RES CF 36K 1/5W J N	36K	1	
R809 R813	3009393973	RES CF 39K 1/5W J N	39K	2	
R106-107 R206-207 R306-307 R406-407 R503-504 R509-510 R603-604 R609-610 R711-712 R754 R901-904 R909-910 R953-954 R961-962	3009473973	RES CF 47K 1/5W J N	47K	29	
R859-860	3009563973	RES CF 56K 1/5W J N	56K	2	
R121 R221 R321 R421 R821-822 R907-908	3009683973	RES CF 68K 1/5W J N	68K	8	
R851-852 R857-858	3009823973	RES CF 82K 1/5W J N	82K	4	
R511-512 R611-612 R807-808 R811-812	3009104973	RES CF 100K 1/5W J N	100K	8	
R815 R865	3009184973	RES CF 180K 1/5W J N	180K	2	
R801-802 R804	3009105973	RES CF 1M 1/5W J N	1M	3	
R803 R810	3009335973	RES CF 3.3M 1/5W J N	3.3M	2	
R805	3009535973	5.3 MOHM 1/6W J	5.3M	1	
R959-960	3009101982	100 OHM 1W J	100	2	
R967 R1018	3039102472	RES MO 1K 1W J	1K	2	
C117 C217 C317 C417 C505-506 C605-606	3529100311	CAP CE SL 10PF 50V J AXIAL	10P	8	
C122 C222 C322 C422 C523-524 C623-624 C752 C754 C903-906 C911-912 C961-962	3529220311	CAP CE SL 22PF 50V J AXIAL	22P	18	
C515-518 C615-618	3529330311	CAP CE SL 33PF 50V J AXIAL	33P	8	
C955-956	3529563011	56 PF 50V	56P	2	
C109-110 C112 C309-210 C212 C309-310 C312 C409-410 C412 C503-504 C603-604 C701-702 C705-706 C954	3529101311	100 PF 50V	100P	21	
C804	3529151311	150 PF 50V	150P	1	
C106-107 C206-207 C306-307 C406-407	3529471311	470 PF 50V	470P	8	
C811	3529561311	560 PF 50V	560P	1	
C102-103 C202-203 C302-303 C402-403 C756 C915-916 C956-966	3529102311	102 PF 50V	1000P	13	
C124-126 C224-226 C324-326 C424-426	3529103311	103 PF 50V	10000P	18	

C527-529 C627-629					
C511-512 C611-612	3609102120-T	CAP MA 0.001UF 100V	0.001(M)	4	
C116 C216 C316 C416	3609152120-T	CAP MA 0.0015UF 100V J	0.0015(M)	4	
C119 C219 C319 C419	3609222120-T	CAP MA 0.0022UF 100V J	0.0022(M)	4	
C118 C218 C318 C418	3609392120-T	CAP MA 0.0039UF 100V J	0.0039(M)	4	
C802 C809-810	3609153120-T	CAP MA 0.015UF 100V J	0.015(M)	3	
C509-510 C513-514 C609-610 C613-614	3609393120-T	CAP MA 0.039UF 100V J	0.039(M)	8	
C114-115 C214-215 C314-315 C414-415	3609473120-T	CAP MA 0.047UF 100V	0.047(M)	8	
C815-816	3609104120-T	CAP MA 0.1UF 100V J	0.1(M)	2	
C801 C806 C812	3609224120-T	0.22 MF 50V	0.22/50	3	
C808				1	
C969	3409210571-T	1 MF 50V	1/50	1	
C853-858	3409247571-T	4.7 MF 50V	4.7/50	6	
C803	3409210671-T	10 MF 50V	10/50	1	
C121 C123 C221 C223 C321 C323 C421 C423 C521-522 C525-526 C621-622 C625-626 C753 C907-910 C958-960	3409222671-T	22 MF 50V	22/50	24	
C1011	3409222691-T	22 MF 100V	22/100	1	
C111 C113 C120 C211 C213 C220 C311 C313 C320 C411 C413 C420 C501-502 C507-508 C519-520 C601-602 C607-608 C619-620 C703-704 C707-708 C805 C813	3409247671-T	47 MF 25V	47/25	30	
C1 C104-105 C204-205 C304-305 C404-405	3409247681-T	47 MF 63V	47/63	9	
C751 C755 C901-902 C913-914 C951-952 C967-968	3409210781-T	100 MF 50V	100/50	10	
C851-852 C963-964	3409222781-T	220 MF 50V	220/50	4	
C108 C208 C308 C408	3409247781-T	470 MF 50V	470/50	1	
IC902			NJM5532L	1	
VR802			09VSF30 A105	1	
VR505 VR605			12VSF30 AC103	2	

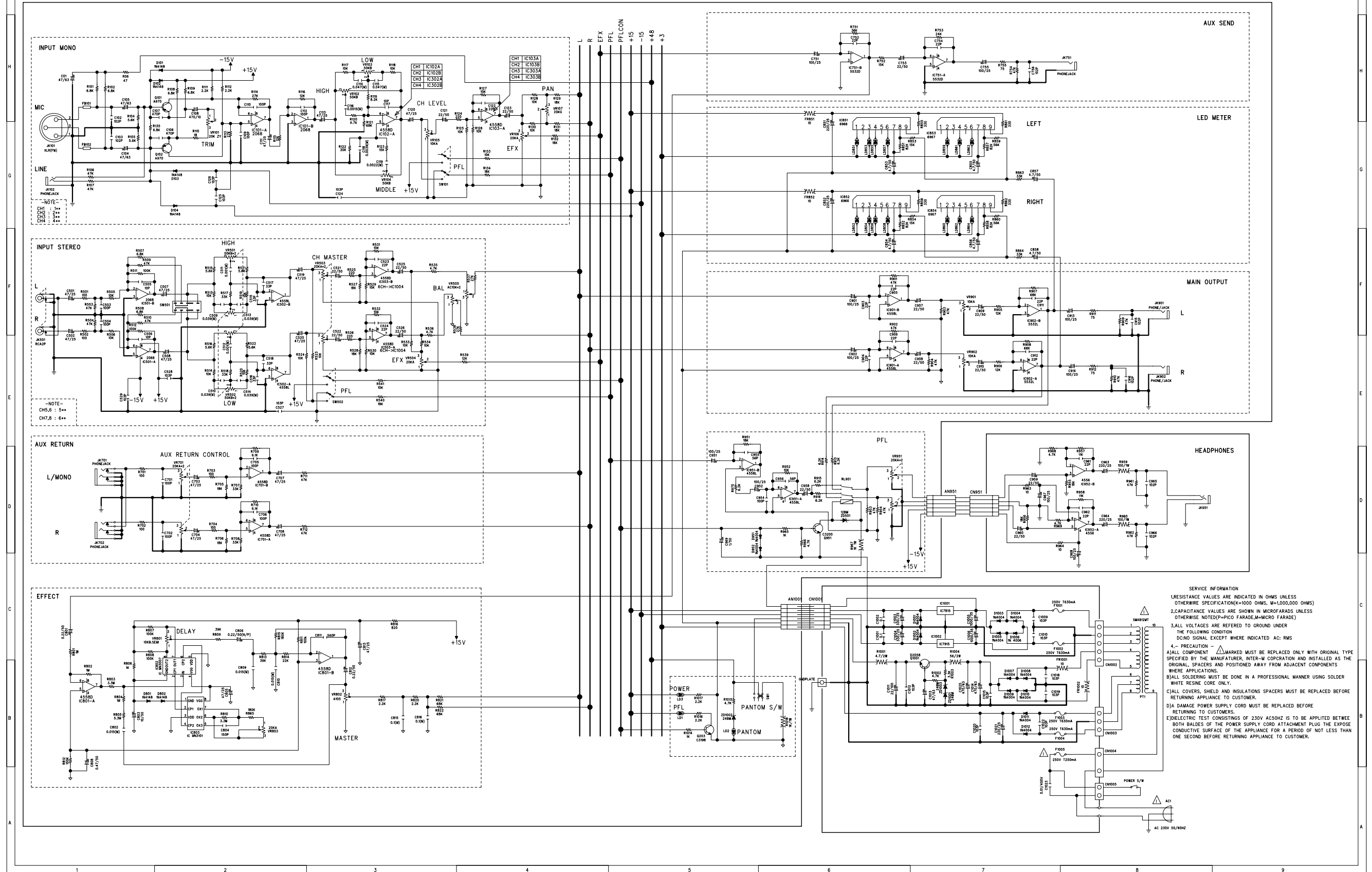
POWER B'D

IC1001	2128610900	IC KA7815 COMMON	7815A	1	
IC1002	2128610800	IC MC7915 COMMON	7915A	1	
D1001-1012	2058100982	DIODE BRIDGE KBP 205	1N4004	12	
ZD1001 ZD1003	2058502240	DIODE ZENER UZ-24BM(1N5252B)	1N4749A	2	
FR1001-1002	3009100973	RES CF 10 1/5W J N	10	2	
R1003	3009332973	RES CF 3.3K 1/5W J N	3.3K	1	
R1002	3009472973	RES CF 4.7K 1/5W J N	4.7K	1	
R1001	3009047982	4.7 OHM 2W J	4.7/2W	1	
R1004	3009560982	56 OHM 2W J	56/2W	1	
C1009-1010 C1012 C1015 C1018-1020 C1022	3609103120-T	CAP MA 0.01UF 100V	10000P	8	
C1023	3609103820-T	103 PF 400V/AC	0.01/400V	1	
C1001-1002	3609104120-T	CAP MA 0.1UF 100V J	0.1M	2	
C1011	3409222691-T	22 MF 100V	22/100	1	

C1013	3409247681-T	47 MF 63V	47/63	1	
C1021	3409222741-T	220 MF 25V	220/25	1	
C1003-1004	3409233741-T	330 MF 25V	330/25	2	
C1014 C1025	3409247781	470 MF 63V	470/63	2	
C1005-1006	3409210881	1000 MF 35V	1000/35	2	
CN1001	4428526706	CONNECTOR/5267-06P	6P	1	
CN1003	4428526703	CONNECTOR/5267-03P	3P	1	
CN1002	4428526705	CONNECTOR/5267-05P	5P	1	

ASS'Y

T1-4	4465998210	TERMINAL(250)PCB TAB	TER	4	
PT	2209086028 2209076028 2209066028	POWER TRANS FORMER SMX-812U : 120V/UL.CSA SMX-812B : 230V/CE SMX-812S : 240V/SAA	PT	1	
AC INPUT	1000102800 1005220810 1004242840 1006242860	AC POWER SUPPLY CORD KJC-236HVCTF BLACK : UL KKJ-1004A 1103 DKEMA : CE CW-1302 HO2W-F : B.S KKP-550 KLSA6FT : SAA	AC INPUT	1	



SERVICE INFORMATION

1. RESISTANCE VALUES ARE INDICATED IN OHMS UNLESS OTHERWISE SPECIFIED (K=1000 OHMS, M=100,000 OHMS)

2. CAPACITANCE VALUES ARE SHOWN IN MICROFARADS UNLESS OTHERWISE NOTED (P=PICO FARADE, M=MICRO FARADE)

3. ALL VOLTAGES ARE REFERRED TO GROUND UNDER THE FOLLOWING CONDITION

DC=NO SIGNAL EXCEPT WHERE INDICATED AC: RMS

4. PRECAUTION -

A) ALL COMPONENTS MARKED MUST BE REPLACED ONLY WITH ORIGINAL TYPE SPECIFIED BY THE MANUFACTURER, INTER-M CORPORATION AND INSTALLED AS THE ORIGINAL. SPACERS AND POSITIONED AWAY FROM ADJACENT COMPONENTS WHERE APPLICATIONS.

B) ALL SOLDERING MUST BE DONE IN A PROFESSIONAL MANNER USING SOLDER WHITE RESINE CORE ONLY.

C) ALL COVERS, SHIELD AND INSULATIONS SPACERS MUST BE REPLACED BEFORE RETURNING APPLIANCE TO CUSTOMER.

D) A DAMAGE POWER SUPPLY CORD MUST BE REPLACED BEFORE RETURNING TO CUSTOMERS.

E) DIELECTRIC TEST CONSISTING OF 230V AC/50HZ IS TO BE APPLIED BETWEEN BOTH BALDES OF THE POWER SUPPLY CORD ATTACHMENT PLUS THE EXPOSE CONDUCTIVE SURFACE OF THE APPLIANCE FOR A PERIOD OF NOT LESS THAN ONE SECOND BEFORE RETURNING TO CUSTOMER.