



## MPX Series Parts Listing

### MPX SERIES INPUT ASSEMBLY

CA-122100-BD	CAP CER 220PF 10% 100V
CA-147100-BD	CAP CER 470PF 10% 100V
CO-000075-00	CONN XLR COMBO
CO-000076-00	CONN EURO 7-PIN BOX HORIZ
RE-220001-BM	RES MF 20.0K 1% 1/4W
RE-224005-BC	RES CF 24K 5% 1/4W
SW-000031-SW	SWITCH BRIDGE DP3T SLIDE
WC-000035-00	CABLE, FLEX, 7 COND., 25 IN.

C31  
C301,302,  
C401,402  
J301,401  
J31  
R31  
R32  
SW31

LB-000035-00	LABEL, UL AND CSA LISTING
LB-000038-00	LABEL, INPUT, MPX SERIES (JBL)
LB-000039-00	LABEL, FACEPLATE MPX 300
LB-000040-00	LABEL, OUTPUT
LB-000051-00	LABEL, COVER, FAN HUB
LB-100000-CT	CHASSIS CONTROL TAG
MS-000050-MS	FUSE, 20A, 250V
MS-000072-00	MPA 3 SPACE FAN GUARD
MS-100004-FN	SOB-MX2000 FAN, 4.7", 115V
NW-060500-KP	#6-32 KEPS NUT
NW-062010-FW	#6 FLT WSHR,SAE,ZINC,3/64 THK
NW-080001-NW	#8 EXT TOOTH LOCKWASHER, ZINC

### MPX 300 & MPX 600 DISPLAY ASSEMBLY

CA-047100-BD	CAP CER 47PF 10% 100V, NPO
CA-233100-BP	CAP MYLAR .0033UF 10% 100V
CA-422050-CP	CAP MYLAR .22UF 5% 50V
CA-722025-BE	CAP LYTIC RL 220UF 20% 25V
CO-000008-IC	8 PIN IC SOCKET
CO-000044-CO	HEADER 14 PIN .100 X .100
IC-005532-OP	IC LIN DUAL OP AMP 5532 MPA
PC-000115-00	MPX300/MPX600 DISPLAY PCB
PL-000004-02	SPACER, LED, 2 POSITION
PT-310000-CR	RES VAR IT 10K 20% 0.2W W/DET
QD-002750-00	LED RED .125" X .245 CAPPED
QD-002751-00	LED GRN .125" X .245 CAPPED
QD-004744-ZA	DIODE ZNR 15V 5% 1W 1N4744A
QD-1.5200-BX	DIODE BRIDGE RECT 200V 1.5A
RE-063401-BM	RES MF 634 1% 1/4W
RE-168101-BM	RES MF 6.81K 1% 1/4W
RE-175005-EM	RES MOFP 7.5K 5% 2W
RE-210005-BC	RES CF 10K 5% 1/4W
RE-217401-BM	RES MF 17.4K 1% 1/4W
RE-312101-BM	RES MF 121K 1% 1/4W
SW-000042-00	SWITCH PUSH-LOCK DPDT
WC-000014-01	CABLE ASSY, 14 COND RIBBON

C107,207  
C102,202  
C103,104,  
C105,203,  
C204,205  
C1,2  
REF:U1  
J101,201  
U1  
VR101,102  
LD102,202,  
LD103,203  
LD101,201,  
LD104,204  
D1,2  
BR101,201  
R106  
R101,201  
R105  
R104,204  
R102,202  
R103,203  
SW101,201

NW-080500-KP	#8-32 KEPS NUT
PL-000000-AF	ADHESIVE FEET
PL-000003-CP	AC CORD PROTECTOR
PL-000040-PL	POT COVERS
PL-000042-PL	BUSHING,STRAIN RELIEF,INT., RD
PL-000043-PL	STANDOFF NYLATCH 1/4 TURN .75"
PL-002752-01	KNOB, MPX SERIES, GRAY
PL-905500-SP	SPACER RND NYLON #6X.5"ODX.5"L
RE-000170-NR	THERMISTOR NTC 30A CUR LIM
RE-033010-NW	RES WW 330 10% 15W
SC-030000-SC	3mm x 8mm,P/P,TYPE 1,BLK. OX.
SC-060042-PP	#6-32 X 1/4" P/P BLACK,SEMS,IT
SC-082051-PL	SCREW,TAP,PAN PH#8X5/16" "B"BK
SC-082120-PP	#8-16 X 3/4" P/P B PT.
SC-100061-PS	#10-32 X 3/8" P/P SEMS BLACK
SW-002750-00	SWITCH,POWER,DOUBLE-POLE
WC-0.3022-JW	.3" JUMPER, WHITE, 22 GA SLD
WC-000047-00	WIRE ASSY, INPUT GROUND
WC-003010-TQ	WIRE 3010, 3", BLACK
WC-003070-00	AC POWER CORD ASSY
WC-003071-00	WIRE ASSY, AC SWITCH
WC-003074-00	WIRE ASSY, OUTPUT
WC-003076-00	WIRE ASSY, FAN 2 SPACE
WC-003086-00	WIRE ASSY, THERMOSTAT SW 2 SP
WP-000112-00	MPX 300 MAIN
XF-000001-00	MPX 300 TRANSFORMER

### MPX 300

#### MPX 300 CHASSIS ASSEMBLY

CH-000003-00	MPX SERIES TOP COVER
CH-000004-00	CHASSIS, MPX 300/MPX 600
CH-000005-00	RACK EAR MPX
CH-000008-00	VISUAL SHIELD, MPX300/MPX600
CO-000001-DB	CONN DUAL 5-WAY BINDING RD/BLK
CO-000004-CO	QD/RING TERMINAL
CO-000077-00	CONN EURO 7-PIN PLUG
HW-060000-HW	#6-32 x 9/16", NYLON STANDOFF
HW-060090-SO	#6-32 X 9/16" HEX STANDOFF

#### MPX 300 MAIN BOARD ASSEMBLY

CA-015100-BD	CAP CER 15PF 10% 100V	C528,628
CA-018100-BM	CAP SM 18PF 10% 100V	C519,619
CA-068100-BD	CAP CER 68PF 10% 100V	C521,621
		C522,622
CA-122100-BD	CAP CER 220PF 10% 100V	C527,627
CA-222200-BP	CAP MYLAR .0022UF 10% 200V	C523,623
CA-310100-BP	CAP MYLAR .01UF 10% 100V	C508,608
CA-322100-BP	CAP MYLAR .022UF 10% 100V	C524,624
CA-410100-BP	CAP MYLAR .1UF 10% 100V	C513,613,
		C514,614

**MPX 300 MAIN BOARD ASSEMBLY Con't...**

CA-410100-CP	CAP MYLAR .1UF 5% 100V	C518,618	QD-0007.5-ZT	DIODE ZNR 7.5V TESTED	D517,617
CA-610035-BE	CAP LYTIC RL 10UF 20% 35V	C515,615	QD-001302-PN	XISTOR PNP TO-3P 200V 15A	Q508-Q510
CA-647010-BN	CAP LYTIC RL 47UF 10% 10V NP	C520,620			Q608-Q610
CA-647050-BE	CAP LYTIC RL 47UF 20% 50V	C516,616	QD-001340-LR	LED RED T-1 3/4 UTILITY	LD501,601
CA-722010-BN	CAP LYTIC RL 220UF 20% 10V NP	C517,617	QD-003281-NP	XISTOR NPN TO-3P 200V 15A	Q505-507
CA-722025-BE	CAP LYTIC RL 220UF 20% 25V	C525,625			Q605-607
		C526,626	QD-004004-DX	DIODE RECT DO41 400V 1A	D515,516,
CA-882080-BE	CAP LYTIC RL 8200UF 20% 80V	C511,611,			D518,615,
		C512,612			D616,618
CH-000006-00	HEATSINK, MPX300/MPX600		QD-004410-TX	XISTOR NPN TO-92 80V 0.25A	Q511,611
CH-000624-AX	CLAMP TO-3 PL 6 FINGER	ETC, Q605			Q513,613
		ETC.	QD-004744-ZA	DIODE ZNR 15V 5% 1W 1N4744A	D521,621,
		REF: Q505			D522,622
CH-400003-00	CLAMP TO-220 6 FINGER	ETC, Q601	QD-004753-ZT	DIODE ZNR 36V 5% 1W 1N4753A	D525,625
		ETC.	QD-004934-DX	DIODE RECT DO41 FAST 100V 1A	D507,607
		REF: Q501			D508,608
CH-410008-00	2 SPACE HEATSINK				D519,619
CO-000008-IC	8 PIN IC SOCKET	REF: U503			D520,620
		U603			D523,623
CO-000044-CO	HEADER 14 PIN .100 X .100	J503,603			D524,624
CO-000045-CO	.156 HEADER 4 PIN	J51	QD-004934-VP	DIODE RECT DO41 FAST 100V 1AVP	D505,605
CO-000047-CO	HEADER, VERTICAL PIN, PCB, 6PIN	J501,601			D506,606
		J52	QD-005402-DX	DIODE RECT DO27 200V 3A	D512,612
CO-000074-00	HEADER POLARIZED 8-POS	J502 2 PL			D513,613
		J602 2 PL	QD-008599-TX	XISTOR PNP TO-92 60V 0.5A	Q512,612
HW-000007-HW	5MM FUSE CLIP	F503,F601,	QD-1.5200-BX	DIODE BRIDGE RECT 200V 1.5A	BR503,603
		F603	QD-400400-BX	DIODE BRIDGE RECT 400V 40A	BR501,601
		REF: F501,	RE-.02205-FW	RES WW 0.22 10% 3W	R513-R515
IC-000021-00	IC LIN DUAL OP AMP 5532	U503,603			R519-R521
LB-100007-PC	PRODUCTION CONTROL LABEL				R613-R615
MS-15.125-MS	15A 125V 5MM X 20MM FUSE	F501,F503,			R619-R621
		F601,F603	RE-.33005-DM	RES MOFP 3.3 5% 1W	R501,502,
NW-060010-SL	#6 SPLIT TOOTH LOCKWASHER				R543,601,
PL-000039-PL	TO-220 X 6 INSULATOR	ETC, Q601			R602,643
		ETC.	RE-.56005-EM	RES MOFP 5.6 5% 2W	R525,625
		REF: Q501	RE-000009-VP	RES PTC 90C 0.1K MAX COLD VP	R516,616
PL-903125-SP	SPACER, ROUND, NYLON, 0.125"L	R511 2PL	RE-000050-NR	THERMISTOR NTC 50 OHM	R511,611
		R611 2PL	RE-001005-EM	RES MOFP 10 5% 2W	R523,623
PL-905100-SP	SPACER, ROUND, NYLON, #6, 0.100"L	D505,506,			R524,624
		D605,606			R526,626
PL-905156-SP	SPACER, ROUND, NYLON, #6, 0.155"L	L501 2 PL			R527,627
		L601 2 PL	RE-002205-DM	RES MOFP 22 5% 1W	R517,617,
		LD601			R518,618
		REF: LD501	RE-004705-BC	RES CF 47 5% 1/4W	R544,644
PT-110000-AT	RES VAR IT 100 20% 0.15W CARB	VR501,601	RE-015005-BC	RES CF 150 5% 1/4W	R547,647
PT-220000-AT	RES VAR IT 2K 20% 0.15W CARB	VR502,602	RE-027005-BC	RES CF 270 5% 1/4W	R533,633
		VR503,603	RE-033005-DM	RES MOFP 330 5% 1W	R531,631
QD-000018-QD	XISTOR NPN TO-220 230V 1A	Q502,602	RE-043201-BM	RES MF 432 1% 1/4W	R541,641
QD-000019-QD	XISTOR PNP TO-220 230V 1A	Q501,601	RE-045010-HW	RES WW 450 10% 5W	R548,648
QD-0004.7-ZT	DIODE ZNR 4.7V TESTED	D511,611	RE-110005-BC	RES CF 1K 5% 1/4W	R512,612
		D514,614			R522,622

**MPX 300 MAIN BOARD ASSEMBLY Con't...**

RE-115005-BC	RES CF 1.5K 5% 1/4W	R545,645	LB-160226-00	LABEL, FUSE, UL CAUT. 30A 125V
RE-125005-HW	2.5K OHM, 5W, WIREWOUND, 10%	R540,640	MS-000055-MS	FUSE, 30A 125V 1/4" X 1 1/4 IN.
		R535,635,	MS-000072-00	MPA 3 SPACE FAN GUARD
		R536,636,	MS-100004-FN	SOB-MX2000 FAN, 4.7", 115V
		R539,639,	NW-060500-KP	#6-32 KEPS NUT
		R546,646	NW-062010-FW	#6 FLT WSHR, SAE, ZINC, 3/64 THK
RE-156005-EM	RES MOFP 5.6K 5% 2W	R534,634,	NW-080001-NW	#8 EXT TOOTH LOCKWASHER, ZINC
		R537,637	NW-080500-KP	#8-32 KEPS NUT
RE-210005-EM	RESISTOR, MET FLM, 10K 5% 2W	R532,632	PL-000000-AF	ADHESIVE FEET
RE-212005-BC	RES CF 12K 5% 1/4W	R529,629	PL-000003-CP	AC CORD PROTECTOR
RE-221501-CM	RES MF 21.5K 1% 1/2W	R538,638	PL-000040-PL	POT COVERS
RE-275001-BM	RES MF 75.0K 1% 1/4W	R542,642	PL-000042-PL	BUSHING, STRAIN RELIEF, INT., RD
RE-282005-BC	RES CF 82K 5% 1/4W	R549,649	PL-000043-PL	STANDOFF NYLATCH 1/4 TURN .75"
RE-333005-BC	RES CF 330K 5% 1/4W	R528,628,	PL-002752-01	KNOB, MPX SERIES, GRAY
		R530,630	PL-905500-SP	SPACER RND NYLON #6X.5" ODX.5"L
RN-122002-BM	RES NTWK 8-PIN SIP 2.2K 2% 4R	RN503,603	RE-000170-NR	THERMISTOR NTC 30A CUR LIM
RN-210002-BM	RES NTWK 8-PIN SIP 10K 1% 4R	RN502,602	RE-033010-NW	RES WW 330 10% 15W
RN-310002-BM	RES NTWK 8-PIN SIP 100K 2% 4R	RN501,601	SC-030000-SC	3mm x 8mm, P/P, TYPE 1, BLK. OX.
SC-062050-PP	#6 X 5/16" "B" P/P ZINC		SC-060042-PP	#6-32 X 1/4" P/P BLACK, SEMS, IT
SC-081101-SP	#8-18 X 5/8", TYPE 1 P/P BLACK		SC-082051-PL	SCREW, TAP, PAN PH#8X5/16" "B" BK
SC-083060-PP	#8-32, F, 3/8, TYPE 1 (PHIL) PH,		SC-082120-PP	#8-16 X 3/4" P/P B PT.
SW-000029-SW	RELAY, SPKR PROTECT, SPDT, 24V	K501,601	SC-100061-PS	#10-32 X 3/8" P/P SEMS BLACK
SW-000550-00	55 C THERMAL CUT-IN		SW-002750-00	SWITCH, POWER, DOUBLE-POLE
WC-0.1020-JW	WIRE JMPR SO 0.1"	Q603,504,	WC-0.3022-JW	.3" JUMPER, WHITE, 22 GA SLD
		Q604	WC-000047-00	WIRE ASSY, INPUT GROUND
		REF:Q503,	WC-003010-TQ	WIRE 3010, 3", BLACK
WC-0.2020-JW	.2", 20GA, SOLID, NO SLEEVE	D601,502,	WC-003070-00	AC POWER CORD ASSY
		D602	WC-003071-00	WIRE ASSY, AC SWITCH
		REF:D501,	WC-003074-00	WIRE ASSY, OUTPUT
WC-0.5018-JW	.5" JUMPER, WHT., 18 GA, SOLID	W1	WC-003076-00	WIRE ASSY, FAN 2 SPACE
WC-0.6022-JW	.6" JUMPER, WHITE, 22 GA, SLD	W7-9	WC-003086-00	WIRE ASSY, THERMOSTAT SW 2 SP
WC-1.2518-JW	1.25" JUMPER, WHITE 18 GA, SLD	W6,10,11	WP-000122-00	MPX 600 MAIN
WC-2.0018-JW	2.00", 18GA, JUMPER	W2-5	XF-000002-00	MPX 600 TRANSFORMER
XF-200014-CR	INDUCTOR 2UH 14AWG VERT	L501,601		

**MPX 600****MPX 600 CHASSIS ASSEMBLY**

CH-000003-00	MPX SERIES TOP COVER
CH-000004-00	CHASSIS, MPX 300/MPX 600
CH-000005-00	RACK EAR MPX
CH-000008-00	VISUAL SHIELD, MPX300/MPX600
CO-000001-DB	CONN DUAL 5-WAY BINDING RD/BLK
CO-000004-CO	QD/RING TERMINAL
CO-000077-00	CONN EURO 7-PIN PLUG
HW-060000-HW	#6-32 x 9/16", NYLON STANDOFF
HW-060090-SO	#6-32 X 9/16" HEX STANDOFF
LB-000035-00	LABEL, UL AND CSA LISTING
LB-000038-00	LABEL, INPUT, MPX SERIES (JBL)
LB-000040-00	LABEL, OUTPUT
LB-000041-00	LABEL, FACEPLATE MPX 600
LB-000051-00	LABEL, COVER, FAN HUB
LB-100000-CT	CHASSIS CONTROL TAG

**MPX 600 MAIN BOARD ASSEMBLY**

CA-010100-BD	CAP CER 10PF 10% 100V	C528,628
CA-018100-BM	CAP SM 18PF 10% 100V	C519,619
CA-068100-BD	CAP CER 68PF 10% 100V	C521,621
		C522,622
CA-122100-BD	CAP CER 220PF 10% 100V	C527,627
CA-210100-BP	CAP MYLAR .001UF 10% 100V	C503,603,
		C506,606
CA-222200-BP	CAP MYLAR .0022UF 10% 200V	C523,623
CA-310100-BP	CAP MYLAR .01UF 10% 100V	C508,608
CA-322100-BP	CAP MYLAR .022UF 10% 100V	C524,624
CA-410100-BP	CAP MYLAR .1UF 10% 100V	C501,505,
		C513,514,
		C601,605,
		C613,614
CA-410100-CP	CAP MYLAR .1UF 5% 100V	C518,618
CA-610035-BE	CAP LYTIC RL 10UF 20% 35V	C515,615
CA-647010-BN	CAP LYTIC RL 47UF 10% 10V NP	C520,620

**MPX 600 MAIN BOARD ASSEMBLY Con't...**

CA-647050-BE	CAP LYTIC RL 47UF 20% 50V	C504,604			D514,614
		C516,616	QD-0007.5-ZT	DIODE ZNR 7.5V TESTED	D517,617
CA-722010-BN	CAP LYTIC RL 220UF 20% 10V NP	C517,617	QD-000810-DX	DIODE RECT TO220 FAST 100V 8A	D501,601
CA-722025-BE	CAP LYTIC RL 220UF 20% 25V	C525,625			D502,602
		C526,626	QD-001302-PN	XISTOR PNP TO-3P 200V 15A	Q508-Q510
CA-747010-BE	CAP LYTIC RL 470UF 20% 16V	C507,607			Q608-Q610
CA-912063-AE	CAP LYTIC RL 12000UF 20% 63V	C509-C512,	QD-001340-LR	LED RED T-1 3/4 UTILITY	LD501,601
		C609-C612	QD-003281-NP	XISTOR NPN TO-3P 200V 15A	Q505-507
CH-000006-00	HEATSINK, MPX300/MPX600				Q605-607
CH-000624-AX	CLAMP TO-3 PL 6 FINGER	ETC, Q605	QD-004004-DX	DIODE RECT DO41 400V 1A	D515,516,
		ETC.			D518,615,
		REF: Q505			D616,618
CH-004111-00	HEATSINK, EXTRUSION 2 SP		QD-004410-TX	XISTOR NPN TO-92 80V 0.25A	Q511,611
CH-400003-00	CLAMP TO-220 6 FINGER	ETC, Q601			Q513,613
		ETC.	QD-004744-ZA	DIODE ZNR 15V 5% 1W 1N4744A	D509,609
		REF: Q501			D510,610
CO-000008-IC	8 PIN IC SOCKET	REF: U503			D521,621
		U603			D522,622
CO-000044-CO	HEADER 14 PIN .100 X .100	J503,603	QD-004934-DX	DIODE RECT DO41 FAST 100V 1A	D507,607
CO-000045-CO	.156 HEADER 4 PIN	J51			D508,608
CO-000047-CO	HEADER, VERTICAL PIN, PCB, 6PIN	J501,601			D519,619
		J52			D520,620
CO-000074-00	HEADER POLARIZED 8-POS	J502,602			D523,623
HW-000007-HW	5MM FUSE CLIP	F501-F504			D524,624
		F601-F604	QD-004934-VP	DIODE RECT DO41 FAST 100V 1AVP	D505,605
		REF:			D506,606
IC-000008-00	IC SMT POS STEP DRVR	U501,601	QD-005402-DX	DIODE RECT DO27 200V 3A	D512,612
IC-000009-00	IC SMT NEG STEP DRVR	U502,602			D513,613
IC-000021-00	IC LIN DUAL OP AMP 5532	U503,603	QD-008599-TX	XISTOR PNP TO-92 60V 0.5A	Q512,612
LB-100007-PC	PRODUCTION CONTROL LABEL		QD-1.5200-BX	DIODE BRIDGE RECT 200V 1.5A	BR503,603
MS-15.125-MS	15A 125V 5MM X 20MM FUSE	F501-F504	QD-400400-BX	DIODE BRIDGE RECT 400V 40A	BR501,601
		F601-F604			BR502,602
NW-060010-SL	#6 SPLIT TOOTH LOCKWASHER		RE-.02205-FW	RES VVV 0.22 10% 3W	R513-R515
PL-000039-PL	TO-220 X 6 INSULATOR	ETC, Q601			R519-R521
		ETC.			R613-R615
		REF: Q501			R619-R621
PL-903125-SP	SPACER, ROUND, NYLON, 0.125"L	R511 2PL	RE-.27005-EM	RESISTOR, METAL FLM, 2.7 5% 2W	R504,604
		R611 2PL			R508,608
PL-905100-SP	SPACER, ROUND, NYLON, #6, 0.100"L	D505,506,	RE-.33005-DM	RES MOFP 3.3 5% 1W	R501,601,
		D605,606			R502,602,
PL-905156-SP	SPACER, ROUND, NYLON, #6, 0.155"L	L501 2 PL			R543,643
PL-905156-SP	SPACER, ROUND, NYLON, #6, 0.155"L	L601 2 PL	RE-.56005-EM	RES MOFP 5.6 5% 2W	R525,625
		LD601	RE-000009-VP	RES PTC 90C 0.1K MAX COLD VP	R516,616
		REF: LD501	RE-000050-NR	THERMISTOR NTC 50 OHM	R511,611
PT-110000-AT	RES VAR IT 100 20% 0.15W CARB	VR501,601	RE-001005-EM	RES MOFP 10 5% 2W	R523,623
PT-220000-AT	RES VAR IT 2K 20% 0.15W CARB	VR502,602			R524,624
		VR503,603			R526,626
QD-000018-QD	XISTOR NPN TO-220 230V 1A	Q502,602			R527,627
QD-000019-QD	XISTOR PNP TO-220 230V 1A	Q501,601	RE-002205-DM	RES MOFP 22 5% 1W	R505,605
QD-000031-QD	FET NCHAN TO220 60V 50A	Q503,603	RE-002205-DM	RES MOFP 22 5% 1W	R506,606
		Q504,604			R517,617
QD-0004.7-ZT	DIODE ZNR 4.7V TESTED	D511,611			R518,618

**MPX 600 MAIN BOARD ASSEMBLY Con't...**

RE-004705-BC	RES CF 47 5% 1/4W	R544,644
RE-015005-BC	RES CF 150 5% 1/4W	R547,647
RE-015005-DM	RES MOFP 150 5% 1W	R531,631
RE-027005-BC	RES CF 270 5% 1/4W	R533,633
RE-028001-BM	RES MF 280 1% 1/4W	R541,641
RE-068010-HW	RES WW 680 10% 5W	R548,648
RE-110005-BC	RES CF 1K 5% 1/4W	R512,612
		R522,622
		R545,645
RE-130005-EM	RES MOFP 3K 5% 2W	R510,610
		R537,637
RE-139005-HW	RES WW 3.9K 10% 5W	R535,635
		R536,636,
		R539,639,
		R546,646
RE-147005-BC	RES CF 4.7K 5% 1/4W	R540,640
RE-147005-DM	RES MOFP 4.7K 5% 1W	R534,634
RE-210005-EM	RESISTOR,MET FLM,10K 5% 2W	R532,632
RE-212005-BC	RES CF 12K 5% 1/4W	R503,603
		R507,607
		R529,629
		R538,638
RE-221501-CM	RES MF 21.5K 1% 1/2W	R509,609
RE-222006-BM	RES MOFP 22K 5% 1W	R542,642
RE-260401-BM	RES MF 60.4K 1% 1/4W	R549,649
RE-310005-BC	RES CF 100K 5% 1/4W	R528,628
RE-339005-BC	RES CF 390K 5% 1/4W	R530,630
RN-122002-BM	RES NTKW 8-PIN SIP 2.2K 2% 4R	RN503,603
RN-210002-BM	RES NTKW 8-PIN SIP 10K 1% 4R	RN502,602
RN-310002-BM	RES NTKW 8-PIN SIP 100K 2% 4R	RN501,601
SC-062050-PP	#6 X 5/16" "B" P/P ZINC	
SC-081101-SP	#8-18 X 5/8", TYPE 1 P/P BLACK	
SC-083060-PP	#8-32,F,3/8,TYPE 1 (PHIL) PH,	
SW-000029-SW	RELAY, SPKR PROTECT,SPDT,24V	K501,601
SW-000550-00	55 C THERMAL CUT-IN 25 DEG	
WC-0.5018-JW	.5" JUMPER, WHT., 18 GA, SOLID	W1
WC-0.6022-JW	.6" JUMPER, WHITE, 22 GA, SLD	W7-9
WC-1.2518-JW	1.25" JUMPER, WHITE 18 GA, SLD	W6,10,11
WC-2.0018-JW	2.00", 18GA, JUMPER	W2-5
XF-200014-CR	INDUCTOR 2UH 14AWG VERT	L501,601

**MPX 1200****MPX 1200 DISPLAY ASSEMBLY**

PC-000133-00	MPX 1200 DISPLAY/INPUT PCB-PNL	
WC-000035-00	CABLE, FLEX, 7 COND., 25 IN.	
CA-110100-BM	CAP SM 100PF 5% 100V	C101,102,
		C201,202
CA-422050-CP	CAP MYLAR .22UF 5% 50V	C104,105,
		C106,204,
		C205,206
CA-547016-BN	CAP LYTIC RL 4.7UF 20% 16V NP	C103,203
CA-610035-BE	CAP LYTIC RL 10UF 20% 35V	C1,2,108,

CO-000008-IC	8 PIN IC SOCKET	C109,208,
		C209
		U1,2,101,
		U201
		J101,201
CO-000044-CO	HEADER 14 PIN .100 X .100	U2
IC-000442-OP	IC LIN DUAL OP AMP MC34182	U1,101,201
IC-005532-OP	IC LIN DUAL OP AMP 5532	LD101-104,
PL-000004-02	SPACER, LED, 2 POSITION	LD201-204
		VR101,201
PT-310000-CR	RES VAR IT 10K 20% 0.2W W/DET	Q101,201
QD-000001-TX	XISTOR NPN TO-226AE 30V 1A	LD101,103,
QD-002750-00	LED RED .125" X .245 CAPPED	LD201,203
		LD102,104,
QD-002751-00	LED GRN .125" X .245 CAPPED	LD202,204
QD-004004-DX	DIODE RECT DO41 400V 1A	D101,201
QD-004410-TX	XISTOR NPN TO-92 80V 0.25A	Q102,202
QD-1.5200-BX	DIODE BRIDGE RECT 200V 1.5A	BR101,201
RE-041201-BM	RES MF 412 1% 1/4W	R110,210
RE-053601-BM	RES MF 536 1% 1/4W	R107,207
RE-063401-BM	RES MF 634 1% 1/4W	R108,208
RE-110005-BC	RES CF 1K 5% 1/4W	R102,106,
		R202,206
		R1
RE-122005-BC	RES CF 2.2K 5% 1/4W	R103,203
RE-147005-BC	RES CF 4.7K 5% 1/4W	R101,201
RE-168101-BM	RES MF 6.81K 1% 1/4W	R109,209
RE-212005-BC	RES CF 12K 5% 1/4W	R104,204
RE-217401-BM	RES MF 17.4K 1% 1/4W	R105,205
RE-312101-BM	RES MF 121K 1% 1/4W	RN103,104,
RN-110002-BM	RES NTKW 8-PIN SIP 1K 2% 4R	RN203,204
		RN102,202
RN-122002-BM	RES NTKW 8-PIN SIP 2.2K 2% 4R	RN101,201
RN-210002-BM	RES NTKW 8-PIN SIP 10K 1% 4R	SW101,201
SW-000042-00	SWITCH PUSH-LOCK DPDT	
WC-000014-01	CABLE ASSY, 14 COND RIBBON,STD	

**MPX 1200 OUTPUT ASSEMBLY**

CA-147100-BD	CAP CER 470PF 10% 100V	C701,801
CA-310100-BP	CAP MYLAR .01UF 10% 100V	C72
CA-647010-BN	CAP LYTIC RL 47UF 10% 10V NP	C70
CA-722025-BE	CAP LYTIC RL 220UF 20% 25V	C71
CO-641119-AH	8 PIN .156"/C HEADER	J73
HW-000001-FC	FUSE CLIPS	F801
		REF:F701,
MS-000050-MS	FUSE, 20A, 250V	F701,801
MS-000220-HS	TO-220 HEAT SINK AAVID #5943B	REF:Q70
PC-004004-00	OUTPUT PCB 3 SPACE FAB.	
QD-002763-TU	XISTOR PNP TO-220 150V 8A	Q70
QD-004004-DX	DIODE RECT DO41 400V 1A	D701,801
QD-004148-DX	DIODE SWITCH DO35 75V 75MA	D70,71,
		D702,802
QD-004410-TX	XISTOR NPN TO-92 80V 0.25A	Q72

**MPX 1200 OUTPUT ASSEMBLY Con't...**

QD-008599-TX	XISTOR PNP TO-92 60V 0.5A	Q71
RE-012005-EM	RES MOFP 120 5% 2W	R76
RE-127005-BC	RES CF 2.7K 5% 1/4W	R75
RE-147005-BC	RES CF 4.7K 5% 1/4W	R70,71
RE-222005-BC	RES CF 22K 5% 1/4W	R72
RE-318005-BC	RES CF 180K 5% 1/4W	R73,74
SW-000029-SW	RELAY, SPKR PROTECT,SPDT,24V	RY701,801
WC-0.5018-JW	.5" JUMPER, WHT., 18 GA, SOLID	W71
WC-1.2518-JW	1.25" JUMPER, WHITE 18 GA, SLD	W701

**MPX 1200 CHASSIS ASSEMBLY**

CH-000003-00	MPX SERIES TOP COVER	
CH-000005-00	RACK EAR MPX	
CH-000007-00	CHASSIS MPX 1200	
CO-000001-DB	CONN DUAL 5-WAY BINDING RD/BLK	
CO-000077-00	CONN EURO 7-PIN PLUG	
HW-060000-HW	#6-32 x 9/16", NYLON STANDOFF	
HW-060090-SO	#6-32 X 9/16" HEX STANDOFF	
HW-060150-SO	#6-32 X 29/32" STANDOFF	
HW-080002-HW	#8-32 x 2.5", HEX STANDOFF	
HW-100001-HW	#10-32 x .7" HEX S/O,NIC PLTD,	
LB-000035-00	LABEL, UL AND CSA LISTING	
LB-000038-00	LABEL, INPUT, MPX SERIES (JBL)	
LB-000040-00	LABEL, OUTPUT	
LB-000042-00	LABEL, FACEPLATE MPX 1200	
LB-100000-CT	CHASSIS CONTROL TAG	
MS-000050-MS	FUSE, 20A, 250V	F501,601
MS-000072-00	MPA 3 SPACE FAN GUARD	
NW-060010-IT	#6 INTERNAL TOOTH LOCKWASHER	
NW-080001-NW	#8 EXT TOOTH LOCKWASHER, ZINC	
NW-080500-KP	#8-32 KEPS NUT	
NW-100700-NW	#10 FLAT WASHER, NICKEL PLATED	
NW-100710-NW	#10EXT LOCKWASHER, NICKEL PLTD	
PL-000000-AF	ADHESIVE FEET	
PL-000003-CP	AC CORD PROTECTOR	
PL-000006-00	INSULATOR,RIBBON CBL,MPA 3 SP	
PL-000038-PL	INSULATOR AC PCB	
PL-000040-PL	POT COVERS	
PL-000044-PL	BUSHING, STRAIN RELIEF	
PL-002752-01	KNOB, MPX SERIES, GRAY	
PL-905156-SP	SPACER,ROUND,NYLON,#6,0.155"L	
QD-250400-BX	DIODE BRIDGE RECT 400V 25A	
RE-000170-NR	THERMISTOR NTC 30A CUR LIM	R501,601
SC-030000-SC	3mm x 8mm,P/P,TYPE 1,BLK. OX.	
SC-060042-PP	#6-32 X 1/4" P/P BLACK,SEMS,IT	
SC-080051-PS	#8-32 X 5/16" P/P SEMS BLACK	
SC-080121-PP	#8-32X3/4" TYPE 1 P/P BLACK	
SC-082051-PL	SCREW,TAP,PAN PH#8X5/16" "B"BK	
SC-083061-PU	SCREW 8-18 X 3/8" FLAT HD BLK	
SC-100000-SC	#10-32 X 1/4, TYPE I (PHILLIPS	
SC-100061-PS	#10-32 X 3/8" P/P SEMS BLACK	
SW-002750-00	SWITCH,POWER,DOUBLE-POLE	

WC-0.3022-JW	.3" JUMPER, WHITE, 22 GA SLD
WC-000047-00	WIRE ASSY, INPUT GROUND
WC-003053-00	AC CORD, PREPPED
WC-003056-00	12 PIN MATE N LOC ASSY, BLACK
WC-003057-00	CABLE ASSY, RELAY/THERMAL
WC-003059-00	12 PIN MATE N LOC ASSY, GREY
WC-003060-00	AC SWITCH WIRE, RED/BLACK
WC-003061-00	AC SWITCH WIRE, RED, 13.62"
WC-003062-00	AC SWITCH WIRE, RED. 6.12"
WP-000133-00	MPX 1200 DISPLAY/INPUT PNLZD.
WP-000134-00	MPX 1200 OUTPUT
WP-004006-00	ACPCB DOM
WP-004012-00	SOB-FAN ASSEMBLY
WP-004201-00	4000/1100 MAIN
XF-000003-00	MPX 1200 TRANSFORMER

**MPX 1200 MAIN BOARD ASSEMBLY**

CA-010100-BD	CAP CER 10PF 10% 100V	C962
CA-018100-CM	CAP SM 18PF 5% 100V	C914
CA-068100-BD	CAP CER 68PF 10% 100V	C957
CA-168100-BD	CAP CER 680PF 10% 100V	C956
CA-222200-BP	CAP MYLAR .0022UF 10% 200V	C915,955,
		C963
CA-233100-BP	CAP MYLAR .0033UF 10% 100V	C961
CA-310100-BP	CAP MYLAR .01UF 10% 100V	C911
CA-410100-BP	CAP MYLAR .1UF 10% 100V	C901, 902
		C913, 912
		C917, 920
CA-415100-CP	CAP MYLAR .15UF 5% 100V	C916
CA-610035-BE	CAP LYTIC RL 10UF 20% 35V	C941
CA-647010-BN	CAP LYTIC RL 47UF 10% 10V NP	C951
CA-647050-BE	CAP LYTIC RL 47UF 20% 50V	C903,C904,
		C943,C944
CA-710035-BE	CAP LYTIC RL 100UF 20% 35V	C953, 954
CA-722010-BN	CAP LYTIC RL 220UF 20% 10V NP	C952
CA-747010-BE	CAP LYTIC RL 470UF 20% 16V	C921, 924
		C959, 960
CA-822035-AE	CAP LYTIC RL 2200UF 20% 35V	C945, 946
CA-915050-AE	CAP LYTIC RL 15000UF 20% 50V	C929, 930
		C931, 932
		C933, 934
		C935, 936
		C937, 938
		C939, 940
CH-000624-AX	CLAMP TO-3 PL 6 FINGER	
CH-400003-00	CLAMP TO-220 6 FINGER	
CH-400008-00	EXTRU & FAB HEATSINK	
CO-000008-IC	8 PIN IC SOCKET	U901, 902
CO-000041-CO	PCB MNT 12 PIN HEAD ASSY	J901
CO-000045-CO	.156 HEADER 4 PIN	J902
CO-000046-CO	.156 HEADER 5 PIN	J904
CO-000055-CO	14 PIN HEADER/LOCKING STD.	J903

**MPX 1200 MAIN BOARD ASSEMBLY Con't...**

CO-000074-00	HEADER POLARIZED 8-POS	J905			R951,952
IC-000008-00	IC SMT POS STEP DRV	U906,907			R953,954
IC-000009-00	IC SMT NEG STEP DRV	U908,909	RE-27005-EM	RES.,MET FLM, 2.7 5% 2W	R903, 910
IC-000010-00	IC SMT HOUSEKEEPING	U910			R958, 961
IC-005532-OP	IC LIN DUAL OP AMP 5532	U901, 902	RE-39005-EM	RES MOFP 3.9 5% 2W	R932
LB-100007-PC	PRODUCTION CONTROL LABEL		RE-47005-DM	RES MOFP 4.7 5% 1W	R937, 938
MS-000054-MS	TO-220 HEATSINK, HIGHER PWR	Q933,934			R939
MS-001220-HS	TO-220 HEATSINK	REF. U904	RE-000006-VP	RES PTC 60C 0.1K MAX	DIE:9610C
		U905			R1007
NW-040010-IT	#4 INTERNAL TOOTH LCKWSHR	Q934	RE-000050-NR	THERMISTOR NTC 50 OHM	R931
		REF: 933,	RE-001005-EM	RES MOFP 10 5% 2W	R933, 934
NW-040400-HN	#4-40 X 1/4" HEX NUT	Q934			R935, 936
		REF: Q933,	RE-002205-DM	RES MOFP 22 5% 1W	R901,902
PC-004200-00	POWER AMP PCB				R906,907
PL-000039-PL	TO-220 X 6 INSULATOR				R927,955
PL-903125-SP	SPACER,ROUND,NYLON,0.125"L	D903,904			R959,960
		REF. R931			R963,964
PL-905156-SP	SPACER,ROUND,NYLON,#6,0.155"L	901	RE-004705-BC	RES CF 47 5% 1/4W	R941,1002
		REF: L901,	RE-033201-BM	RES MF 332 1% 1/4W	R947,948
PT-110000-AT	RES VAR IT 100 20% 0.15W CARB	VR901	RE-041201-BM	RES MF 412 1% 1/4W	R993
PT-250000-AT	RES VAR IT 5K 20% 0.15W CARB	VR902, 903	RE-047005-DM	RES MOFP 470 5% 1W	R982,992
QD-000009-VT	VACTROL LED SINGLE UNIT VTL5C4	U903	RE-059001-BM	RES MF 590 1% 1/4W	R991
QD-000014-QD	DIODE RECT TO220 FAST 100V 15A	D901, 902	RE-110005-BC	RES CF 1K 5% 1/4W	R945,R946
		D905, 906	RE-127005-BC	RES CF 2.7K 5% 1/4W	R995
QD-000018-QD	XISTOR NPN TO-220 230V 1A	Q933	RE-130005-EM	RES MOFP 3K 5% 2W	R956,962,
QD-000019-QD	XISTOR PNP TO-220 230V 1A	Q934			R976
QD-000022-QD	DIODE ZNR 18V 5% 1W 1N4746A	D939, 940	RE-168005-BC	RES CF 6.8K 5% 1/4W	R990
QD-000023-QD	DIODE ZNR 180V 5% 1.5W 1N5955A	D921, 924	RE-210005-EM	RESISTOR,MET FLM,10K 5% 2W	R1000
QD-000024-QD	DIODE ZNR 6.2V 5% TESTED	D952,955			R988,R994,
QD-000031-QD	FET NCHAN TO220 60V 50A	Q901,902	RE-215001-BM	RES MF 15.0K 1% 1/4W	R1001
		Q903,904	RE-222006-BM	RES MOFP 22K 5% 1W	R911,917
		Q917,918	RE-227005-BC	RES CF 27K 5% 1/4W	R996
		Q919,920	RE-230101-CM	RES MF 30.1K 1% 1/2W	R940
QD-0007.5-ZT	DIODE ZNR 7.5V TESTED	D951, 965	RE-247005-DM	RES MOFP 47K 5% 1W	R923
QD-001302-PN	XISTOR PNP TO-3P 200V 15A	Q905, 906	RE-260401-BM	RES MF 60.4K 1% 1/4W	R989
		Q907, 908	RE-275001-BM	RES MF 75.0K 1% 1/4W	R942
		Q909, 910	RE-333005-BC	RES CF 330K 5% 1/4W	R987
QD-003281-NP	XISTOR NPN TO-3P 200V 15A	Q911, 912	RE-375005-BM	RES MF 750K 5% 1/2W	R943, 944
		Q913, 914	RN-110002-BM	RES NTWK 8-PIN SIP 1K 2% 4R	RN910
		Q915, 916	RN-210002-BM	RES NTWK 8-PIN SIP 10K 1% 4R	RN909
QD-004004-DX	DIODE RECT DO41 400V 1A	D936,937	SC-040061-PT	#4-40 X 3/8" P/T BLACK	Q934
QD-004004-DX	DIODE RECT DO41 400V 1A	D938,941			REF: Q933,
		D942,947	SC-081101-SP	#8-18 X 5/8", TYPE 1 P/P BLK	
QD-004004-VP	DIODE RECT DO41 400V 1A VP	1/4W OR 9T	WC-0.5018-JW	.5" JUMPER, WHT., 18 GA, SLD	W901-905
		400-35	XF-200014-CR	INDUCTOR 2UH 14AWG VERT	L901
		8500-7			
		D903,904			
		DIE P/N:			
QD-004148-DX	DIODE SWITCH DO35 75V 75MA	D922,923			
		D953,954			
QD-005402-DX	DIODE RECT DO27 200V 3A	D907, 908			
QD-007815-QD	IC REG TO-220 POS 15V	U904			
QD-007915-QD	IC REG TO-220 NEG 15V	U905			
QD-1.5200-BX	DIODE BRIDGE RECT 200V 1.5A	B901			
RE-.02205-FW	RES WWV 0.22 10% 3W	R924,925			
		R926,928			
		R929,930			
		R949,950			