

Date	Parent Item	Item	Line ID	Memo	Quantity
8.17.2011	A9500	A9500	0		1
8.17.2011	A9500	TPX-X170	1	Alpha 8410, 9500, 8100, 99, 91b 240V 3.5kVA CSS Transformer - TPX-X170	1
8.17.2011	A9500	ZCX-X155-K	2	Box and Foam Kit Assy	1
8.17.2011	A9500	ZCX-X155	3	Amp Shipping box	1
8.17.2011	A9500	ZFX-X155	4	Custom shipping foam set for ZCX-X155 boxes	1
8.17.2011	A9500	MSX-9511	5	Sheet Metal, Wrapper, Top Cover, 9500	1
8.17.2011	A9500	ZMX-X950	6	Alpha 9500 User's Manual	1
8.17.2011	A9500	AHX-9509	7	Main Chassis Assy - 9509	1
8.17.2011	A9500	MSX-9504	8	Sheet Metal, Main Chassis 9500	1
8.17.2011	A9500	FHX-X102	9	FUSEHOLDER 3AG FLUTED RT ANGLE LITTLEFUSE 03420004H	3
8.17.2011	A9500	FSX-X109	10	FUSE 20A/250V Ceramic	2
8.17.2011	A9500	FSX-X120	11	Fuse 2.0A/250V Slow-Blow Glass	1
8.17.2011	A9500	HLX-X173	12	BNC GRND LUG	1
8.17.2011	A9500	MSX-9508	13	Sheet Metal, Transformer Skirt, Front, 9500	1
8.17.2011	A9500	MSX-9510	14	Sheet Metal, Transformer Skirt, Rear, 9500	1
8.17.2011	A9500	MSX-X022	15	Bail 14 W/ 1L 1R FOOT \nBail with left and right feet	1
8.17.2011	A9500	SIX-X101	16	SWITCH ROLLER SPDT 15A QC TERM	1
8.17.2011	A9500	HSS-4034	17	Screw 6-32 X 1/2 Phil Flathead SS	7
8.17.2011	A9500	CKM-1021	18	CAP - .001uF 100V	1
8.17.2011	A9500	WXX-X114	19	TUBING TEFLON .148 X .178	1
8.17.2011	A9500	HSS-6037	20	10-32 X 3/4 PPSS	1
8.17.2011	A9500	HWX-6005	21	#10 INT LW SS	1
8.17.2011	A9500	HWX-6001	22	.062 THK-.203 ID-#10 FWSS	1
8.17.2011	A9500	HNQ-6123	23	WING NUT	1
8.17.2011	A9500	HGX-X103	24	Cable Clamp, .188" (3/16)	1
8.17.2011	A9500	MSX-9518	25	Sheet Metal, Molex Bracket, 9500	1
8.17.2011	A9500	MSX-9516	26	Sheet Metal, Frame, I/O Match, 9500	1
8.17.2011	A9500	HGX-X104	27	ALLSTATE CABLE CLAMP .438	1
8.17.2011	A9500	HGX-X103	28	Cable Clamp, .188" (3/16)	1
8.17.2011	A9500	HNQ-6128	29	BRASS NUT FOR FHX-X102	3
8.17.2011	A9500	IHQ-1076	30	Skidpad, Transformer	1
8.17.2011	A9500	HNQ-7175	31	ACORN NUT, 6-32, SS	8
8.17.2011	A9500	IHQ-1040	32	MTG PAD- CAP 5.25 X 6.5" W/3/	1
8.17.2011	A9500	AHX-9502	33	Center Partition Assy - 9500	1
8.17.2011	A9500	MSX-9507	34	Sheet Metal, Center Partition, 9500	1
8.17.2011	A9500	CKX-1522	35	CAP FEED THRU CAP 1500 PF	3
8.17.2011	A9500	HLX-X902	36	SOLDER LUG, 1/4", for FEEDTHRU CAP	1
8.17.2011	A9500	DRX-X131	37	Rectifier, Axial, 1000V, 3.0A, 1N5408	1
8.17.2011	A9500	CTX-8211	38	CAP A9500 Air Var Load cap	1
8.17.2011	A9500	CTX-9112	39	CAP A9500 Air Var Tune Cap	1
8.17.2011	A9500	CZX-2200	40	Capacitor, Film, .22 uF	1
8.17.2011	A9500	HLX-X150	41	TERMINAL; RING CON -16 -22GA;6	4
8.17.2011	A9500	JBX-X113	42	Terminal Block, 4 Term	1
8.17.2011	A9500	JBX-X114	43	TERMINAL BLOCKS MARKING STRIP 4 TRM	1
8.17.2011	A9500	WWX-X051	44	Wire, 18 AWG, Stranded, White, UL 1430	6
8.17.2011	A9500	HXF-X148	45	Standoff Hex 6-32 Thd Alum .750"	3
8.17.2011	A9500	HSS-4019	46	Screw, Mach, 6-32 X 5/16, PPSS	4
8.17.2011	A9500	MSX-X658	47	Contact Spring, Crow Bar Contact, Safety Interlock, MSX-X658 Rev B	1
8.17.2011	A9500	IHQ-1054	48	HV Crowbar Insulator STNOFF	1
8.17.2011	A9500	HNS-5013	49	HEX NUT, 6-32, SM PATT	1
8.17.2011	A9500	WWX-X023	50	Wire, #18 RED 20KV RUBBER	1
8.17.2011	A9500	HLX-X136	51	14-16GA .25 FAST-ON BLUE	1
8.17.2011	A9500	DLX-X121	52	Opto Sensor	2
8.17.2011	A9500	HSN-9000	53	Screw, Nylon, 8-32 X 1/8"	1
8.17.2011	A9500	HNS-5013	54	HEX NUT, 6-32, SM PATT	1
8.17.2011	A9500	HSS-4051	55	6-32 X 7/8 PPSS	1
8.17.2011	A9500	HWX-4001	56	#6 Int LWSS	1
8.17.2011	A9500	HGX-X116	57	GROM .56 OD .37 ID .28THK	1
8.17.2011	A9500	HGX-X102	58	HARDWARE RUBBER GROMMET .312	1
8.17.2011	A9500	JAX-X742	59	4 PIN 26AWG RECPT	2
8.17.2011	A9500	AHX-X116	60	Muffin Fan Assembly - 9500	1
8.17.2011	A9500	BLX-X116	61	External Muffin Fan, 110V	1
8.17.2011	A9500	WWX-X065	62	Wire, #18 UL#1061 BLACK	2
8.17.2011	A9500	HLX-X149	63	#10 RING TONGUE TERM RED	2
8.17.2011	A9500	WXX-X132	64	1/8" HEATSHRINK TUBING	1
8.17.2011	A9500	BLX-X303	65	Grill- Rear Air Intake - 9500	1
8.17.2011	A9500	WXX-X132	66	1/8" HEATSHRINK TUBING	1
8.17.2011	A9500	AJX-X909	67	24" Ribbon Cable Assy - 9500	1
8.17.2011	A9500	WRX-X200	68	CABLE 20 COND ROUND SHIELDED	2
8.17.2011	A9500	XCX-X124	69	SOLID CORE FERRITE SUPPRESSORS FOR ROUND CABLE 250 OHMS 100MHz 10.16mm	2
8.17.2011	A9500	HLX-X178	70	RING TERM #6 10-12GA WIRE	2
8.17.2011	A9500	WXX-X144	71	1/2 SHRINK TUBING FIT22112BKSP"	1
8.17.2011	A9500	JFX-X182	72	.100 WIRE MOUNT CONN 20P	2
8.17.2011	A9500	JSX-X136	73	.100 WIRE MOUNT CONN 20P STRAIN RELIEF	2
8.17.2011	A9500	WXX-X102	74	Tubing, Heat Shrink, 3/16"	1
8.17.2011	A9500	AJX-X910	75	17" Ribbon Cable Assy	1
8.17.2011	A9500	WRX-X200	76	CABLE 20 COND ROUND SHIELDED	2
8.17.2011	A9500	WXX-X102	77	Tubing, Heat Shrink, 3/16"	1
8.17.2011	A9500	HLX-X178	78	RING TERM #6 10-12GA WIRE	2
8.17.2011	A9500	WXX-X144	79	1/2 SHRINK TUBING FIT22112BKSP"	4
8.17.2011	A9500	XCX-X124	80	SOLID CORE FERRITE SUPPRESSORS FOR ROUND CABLE 250 OHMS 100MHz 10.16mm	2
8.17.2011	A9500	JFX-X182	81	.100 WIRE MOUNT CONN 20P	2
8.17.2011	A9500	JSX-X136	82	.100 WIRE MOUNT CONN 20P STRAIN RELIEF	1
8.17.2011	A9500	ABX-X300	83	Power Cord Assy - 9500	1
8.17.2011	A9500	JCX-X200	84	1/2 STRAIN RELIEF CORD CONNECTOR-STRAIGHT .310 TO .560 DIA	1
8.17.2011	A9500	WPX-X103	85	POWER CORD/9500	8
8.17.2011	A9500	HLX-X900	86	FASTON TERMINAL 12-10 AWG	2
8.17.2011	A9500	HLX-X901	87	TERMINAL NYLON RING 12-10 AWG #8	1
8.17.2011	A9500	HNQ-7180	88	1/2" STEEL LOCKNUT FASTENAL 0700595	1
8.17.2011	A9500	APP-9500	89	Chimney Assy - 9500	1
8.17.2011	A9500	XRX-X102	90	RUBBER SHEET - SOLID SILICONE	48
8.17.2011	A9500	ABX-X096	91	Pad Capacitor Assy - 9500	1
8.17.2011	A9500	CDX-1510-A	92	CAP 150PF/8KV/5% DISC	8
8.17.2011	A9500	BCX-X168	93	PCB, PAD CAP /86/86A/87A /B	1
8.17.2011	A9500	AHX-X524	94	160M Capacitor Assembly	1
8.17.2011	A9500	CDX-7503-B	95	Ceramic capacitor 75 pF +/-10% 18kVDCW	1
8.17.2011	A9500	IHK-1356	96	Bracket, Disc Cap	1
8.17.2011	A9500	AHX-9505	97	Tube Deck Assy - 9500	1
8.17.2011	A9500	AHX-X110	98	8877 Tube Socket Assembly	1
8.17.2011	A9500	VSX-X110	99	Ceramic insert for 8877 socket	1
8.17.2011	A9500	VSX-X101-F	100	Metal fingers for 8877 socket: 4 per socket	4
8.17.2011	A9500	VSX-X101-M	101	Metal frame for 8877 socket	1

8.17.2011	A9500	HXF-4160	102	Standoff, Hex, 3/8"	4
8.17.2011	A9500	HSS-5036	103	Screw, 8-32 X 1/2", PPSS	4
8.17.2011	A9500	HSS-5011	104	Screw, 8-32 X 1/4, PPSS	1
8.17.2011	A9500	HWX-5001	105	Washer, Flat, #8	4
8.17.2011	A9500	HWX-5005	106	#8 INT LW SS	8
8.17.2011	A9500	HWX-5014	107	Washer, Fiber, .312" OD, .032"TH, .171" ID	4
8.17.2011	A9500	MSX-9520	108	Sheet Metal, Tube Deck, 9500	1
8.17.2011	A9500	HLX-217	109	2-HOLE SOLDER LUG	4
8.17.2011	A9500	WKX-X103	110	WIRE, #16 T/C BUSS	3
8.17.2011	A9500	WXX-X112	111	Tubing, Teflon, #10 AWG, Sleeving on Jumps	5
8.17.2011	A9500	WKX-X103	112	WIRE, #16 T/C BUSS	2
8.17.2011	A9500	CDX-2221-C	113	CAP 2200PF 6K VOLTS 20% .375 L.S. RADIAL	1
8.17.2011	A9500	WWX-X038	114	Wire, #14 WHITE 600V TEFLON HUE 1419 WE	2
8.17.2011	A9500	AJX-X906	115	Coax Low Power Assy 9500 - One RCA plug plus Coax 13'	1
8.17.2011	A9500	JMX-X248	116	Plug, Male, RCA	1
8.17.2011	A9500	WCX-X105	117	wire, Cable, coaxial, RG-316/U	1
8.17.2011	A9500	ABX-X430	118	Input Match and Relay Board Assy - 9500	1
8.17.2011	A9500	CHX-1000-B	119	CAP 10PF 50V 0805 SMD Ceramic Chip	2
8.17.2011	A9500	CHX-1023-B	120	CAP 0805 SMD CERAMIC CHIP CAP 1000PF 50V X7R 10%	5
8.17.2011	A9500	CHX-1034-B	121	CAP 0805 SMD CERAMIC SHIP CAP 0.01UF 50 VOLTS X7R 10%	8
8.17.2011	A9500	CHX-1035-C	122	CAP, 10000PF, 1000V, CERAMIC MULTILAYER	5
8.17.2011	A9500	CMX-1210-A	123	CAP- 120PF/500V/5% MICA	1
8.17.2011	A9500	CMX-1221-A	124	MICA RADIAL LEAD CAP 1200pF 500V 5%	2
8.17.2011	A9500	CMX-1510-A	125	CAP- 150PF/500V/5% MICA	2
8.17.2011	A9500	CMX-2710-A	126	270pF 500V 5% MICA CAP	2
8.17.2011	A9500	CMX-2720-A	127	CAP SM 2700pf 500V 5%	2
8.17.2011	A9500	CMX-5610-A	128	MF CAP 560pF 500V 5%	2
8.17.2011	A9500	HLX-X220	129	LUG PDB MOUNT .250 H/99	1
8.17.2011	A9500	JAX-X310	130	MTA .100 CONN 1x10P STRAIGHT POST	1
8.17.2011	A9500	JCX-X127	131	PHONO JACK, PC MT	2
8.17.2011	A9500	KDX-X124	132	Relay, Input, DPDT, 12 V	5
8.17.2011	A9500	LCX-X102	133	15UH CHOKE	2
8.17.2011	A9500	RFFA-A1010-A	134	RES, 100 OHMS, 0805	1
8.17.2011	A9500	UAX-X031	135	IC THERM MICROLAN HI-PREC 8-SOIC DALLAS SEMICONDUCTOR#DS18S20Z+	1
8.17.2011	A9500	LCX-X106	136	CHOKE, RF, VARNISHED 1.00mH 5%	1
8.17.2011	A9500	BCX-X430	137	PCB, 9500 Input Match	1
8.17.2011	A9500	ACX-X910	138	Toroid Assy, 10 Turns #24 on XCX-X116	1
8.17.2011	A9500	XCX-X116	139	Toroid, T50-6	1
8.17.2011	A9500	WMX-X120	140	#24 SOLDERON/155 CV MAGNET WIRE	1
8.17.2011	A9500	ACX-X920	141	Toroid Assy, 20 Turns #24 on XCX-X116	1
8.17.2011	A9500	XCX-X116	142	Toroid, T50-6	1
8.17.2011	A9500	WMX-X120	143	#24 SOLDERON/155 CV MAGNET WIRE	1
8.17.2011	A9500	ACX-X930	144	Toroid Assy, 30 Turns #24 on XCX-X116	1
8.17.2011	A9500	XCX-X116	145	Toroid, T50-6	1
8.17.2011	A9500	WMX-X120	146	#24 SOLDERON/155 CV MAGNET WIRE	1
8.17.2011	A9500	ACX-X912	147	Toroid Assy, 12 Turns #24 on XCX-X116	1
8.17.2011	A9500	XCX-X116	148	Toroid, T50-6	1
8.17.2011	A9500	WMX-X120	149	#24 SOLDERON/155 CV MAGNET WIRE	1
8.17.2011	A9500	ACX-X928	150	Toroid Assy, 28 Turns #24 on XCX-X119	2
8.17.2011	A9500	WMX-X120	151	#24 SOLDERON/155 CV MAGNET WIRE	2
8.17.2011	A9500	XCX-X119	152	Toroid, Powdered Iron, T68-2	2
8.17.2011	A9500	ACX-X937	153	Coil Assy, 7 Turns #18 3/8" ID Air Wound	1
8.17.2011	A9500	WMX-X118	154	#18 SOLDERON/130 CV MAGNET WIRE	1
8.17.2011	A9500	ACX-X938	155	Coil Assy, 8 Turns #18 3/8"ID Air Wound	1
8.17.2011	A9500	WMX-X118	156	#18 SOLDERON/130 CV MAGNET WIRE	1
8.17.2011	A9500	AJX-X907	157	Coax Low Power Assy 9500 - One RCA plug plus Coax 6.5"	1
8.17.2011	A9500	JMX-X248	158	Plug, Male, RCA	1
8.17.2011	A9500	WCX-X105	159	wire, Cable, coaxial, RG-316/U	1
8.17.2011	A9500	AWX-9500-CM	160	Harness Assy - 9500\nSee AWX-9500 for BOM	1
8.17.2011	A9500	AWX-9500	161	Harness Assy - 9500	1
8.17.2011	A9500	WWX-X081	162	Wire, #22 WHITE 7-30 UL1061 PVC	15
8.17.2011	A9500	WWX-X038	163	Wire, #14 WHITE 600V TEFLON HUE 1419 WE	6
8.17.2011	A9500	WWX-X051	164	Wire, 18 AWG, Stranded, White, UL 1430	7
8.17.2011	A9500	HLX-X201	165	FASTON TERMINALS FLAG RECP 22-18 .250 .250 X .032	2
8.17.2011	A9500	HLX-X183	166	CONN FASTON FLAG 16-14GA	4
8.17.2011	A9500	JAX-X741	167	CONN MTA .156 2 POS PLUG	2
8.17.2011	A9500	JAX-X720	168	MTA RECPT 4PIN .100 22AWG	6
8.17.2011	A9500	HLX-X137	169	18-22GA .25 QC FASTON RED	3
8.17.2011	A9500	HLX-X125	170	14-16 GA PIGGY-BACK FEMALE QC	3
8.17.2011	A9500	HLX-X150	171	TERMINAL; RING CON -16 -22GA;6	4
8.17.2011	A9500	HLX-X138	172	FASTON TERMINALS PIDG RECP 22-18 AWG RED	2
8.17.2011	A9500	HLX-X136	173	14-16GA .25 FAST-ON BLUE	1
8.17.2011	A9500	XCX-X117	174	Ferrite Core, 2-Hole, Type 43, 2843006802, Z=225 OHMS@100MHZ	1
8.17.2011	A9500	ABX-X429-CM	175	USB Serial Board\nSee ABX-X429 for board level	1
8.17.2011	A9500	ABX-X429-L	176	ABX-X429 Labor for USB Serial board	1
8.17.2011	A9500	ABX-X429-M	177	ABX-X429 USB Serial board Material	1
8.17.2011	A9500	ABX-X421-CM	178	I/O Board Assy - 9500\nSee ABX-X421 for board level	1
8.17.2011	A9500	ABX-X421-L	179	ABX-X421 I/O Board Assy - 9500 Labor	1
8.17.2011	A9500	ABX-X421-M	180	ABX-X421 I/O Board Assy - 9500 Material	1
8.17.2011	A9500	HXW-X191-1	181	9500 Wattmeter Center Pin	1
8.17.2011	A9500	HXW-X901-1	182	Standoff, Swage, .675"	4
8.17.2011	A9500	HXW-X901-2	183	Standoff, Swage, .43"	4
8.17.2011	A9500	HXW-X191	184	.750 SWAGE STANDOFF	12
8.17.2011	A9500	XCX-X115	185	.655-.685 OD .388-.412ID .240-.260 TORROID 5961004901	2
8.17.2011	A9500	MSX-9522	186	Sheet Metal, Input Wattmeter Plate, Alum, 9500	1
8.17.2011	A9500	MSX-9528	187	Sheet Metal, Output Wattmeter Cover, Copper, 8410 & 9500	1
8.17.2011	A9500	AHX-9507	188	Blower Assy - 9500	1
8.17.2011	A9500	MSX-9513	189	Sheet Metal, Blower Deck (2 parts), 9500	1
8.17.2011	A9500	BLX-X104	190	SQUIRREL CAGE- BLOWER	1
8.17.2011	A9500	BLX-X106	191	BLOWER HOUSING	1
8.17.2011	A9500	BLX-X126	192	MOTOR BLOWER 120 VOLTS	1
8.17.2011	A9500	HNS-5013	193	HEX NUT, 6-32, SM PATT	1
8.17.2011	A9500	HSS-3020	194	Screw, Sheetmetal, 4-24 X 1/4, Self-Tapping	3
8.17.2011	A9500	HSS-4019	195	Screw, Mach, 6-32 X 5/16, PPSS	2
8.17.2011	A9500	HSS-6010	196	10-32 X 3/8 PFSS UNDERCUT	2
8.17.2011	A9500	HWX-4001	197	#6 Int LWSS	2
8.17.2011	A9500	MSX-9514	198	Sheet Metal, Blower Motor Bracket, 9500	1
8.17.2011	A9500	XAX-X101	199	ADHESIVE 3M 4475	0.2
8.17.2011	A9500	XKX-X104	200	tape .750 2 SIDED 36 YDS 45MIL 3M#4611"	1
8.17.2011	A9500	XRX-X103	201	.250 THK 54"X72" NEOPREN	0.064
8.17.2011	A9500	BLX-X106-F	202	Inlet Ring, Flange	1
8.17.2011	A9500	JAX-X740	203	MTA .156 CONNECTORS FRCTN LK HDR STR 1x2P SQUARE POST TIN	1
8.17.2011	A9500	AHX-1920	204	Power Supply Stack Assy - 9500	1

8.17.2011	A9500	HXF-4136	205	Spacer, Nylon, 6-32 Thd, 2"	4
8.17.2011	A9500	HWX-4003	206	.031 THK-.156 ID-#6 FWSS	7
8.17.2011	A9500	HNS-5013	207	HEX NUT, 6-32, SM PATT	3
8.17.2011	A9500	HXF-4135	208	Standoff, M/F, .25 X 2"	4
8.17.2011	A9500	HSS-4019	209	Screw, Mach, 6-32 X 5/16, PPSS	9
8.17.2011	A9500	DRX-X136	210	DIODE HV Bridge	1
8.17.2011	A9500	WWX-X023	211	Wire, #18 RED 20KV RUBBER	1
8.17.2011	A9500	HLX-X183	212	CONN FASTON FLAG 16-14GA	2
8.17.2011	A9500	HLX-X137	213	18-22GA .25 QC FASTON RED	2
8.17.2011	A9500	HLX-X149	214	#10 RING TONGUE TERM RED	1
8.17.2011	A9500	WWX-X051	215	Wire, 18 AWG, Stranded, White, UL 1430	1
8.17.2011	A9500	UVX-X019	216	IC VOLTAGE REGULATOR 24V 1.5A	1
8.17.2011	A9500	UVX-X021	217	IC VOLTAGE REGULATOR 12V 1A +	1
8.17.2011	A9500	UVX-X020	218	IC VOLTAGE REGULATOR -12 1A 4% TO-220	1
8.17.2011	A9500	HSS-3012	219	4-40 X 3/16 PPSS	1
8.17.2011	A9500	HSS-3010	220	4-40 X 1/8 PPSS	1
8.17.2011	A9500	HSS-3024	221	Screw 4-40 X 5/16 Phil Pan SS	1
8.17.2011	A9500	HWA-X001	222	.125 ID X .250 OD SP WASH	3
8.17.2011	A9500	MHS-X017	223	HEATSINK HARDWARE ALUMINUM OXIDE PAD TO-220	1
8.17.2011	A9500	HWX-3013	224	heatsink hardware insulating washer	1
8.17.2011	A9500	MSX-8116	225	8100 PS Plate	1
8.17.2011	A9500	JFX-X182	226	.100 WIRE MOUNT CONN 20P	2
8.17.2011	A9500	JSX-X136	227	.100 WIRE MOUNT CONN 20P STRAIN RELIEF	2
8.17.2011	A9500	WRX-X110	228	FLAT CABLE 20 COND 28GA	1
8.17.2011	A9500	JFX-X109	229	.084 CONNECTOR RECP 9P 11.0 AMPERES	1
8.17.2011	A9500	WWX-X038	230	Wire, #14 WHITE 600V TEFLON HUE 1419 WE	9
8.17.2011	A9500	ABX-X434	231	Fan Controller assembly 9500	1
8.17.2011	A9500	BCX-X434	232	PCB, Circuit Board Bare Fan Controller - 9500	1
8.17.2011	A9500	JAX-X303	233	MTA .100 CONN 1x3P STRAIGHT POST	1
8.17.2011	A9500	JFX-X910	234	CONN RECEPT 3 POS .100 VERT AU	1
8.17.2011	A9500	JFX-X911	235	CONN RECEPT 5 POS .100 VERT AU	1
8.17.2011	A9500	CHX-1023-B	236	CAP 0805 SMD CERAMIC CHIP CAP 1000PF 50V X7R 10%	1
8.17.2011	A9500	CHX-1025-C	237	CAP 1808 HV ARC GUARD CERAMIC CHIP CAP 100PF 500V 10%	1
8.17.2011	A9500	HLX-X220	238	LUG PDB MOUNT .250 H/99	2
8.17.2011	A9500	UCO-X190	239	RELAY SOLID STATE 8-DIP ZC 10MA	1
8.17.2011	A9500	RFO-G361-C	240	RES, MO, 5W, SMALL, 360 OHMS, 5%	1
8.17.2011	A9500	RFFA-A3910-C	241	RES 390 OHM 1/8W 1% 0805 SMD	1
8.17.2011	A9500	JTX-X101	242	TEST POINT RED .063 KEYSTONE 5005	1
8.17.2011	A9500	ABX-X419-CM	243	HV Board Assy - 9500\nSee ABX-X419 for assembly level	1
8.17.2011	A9500	ABX-X419-M	244	ABX-X419-M Material High Voltage Board Assy 9500	1
8.17.2011	A9500	ABX-X419-L	245	ABX-X419 HV Board Assembly Labor	1
8.17.2011	A9500	ABX-X420-CM	246	Power Supply Mains Board Assy 9500\nSee ABX-X420 for board level	1
8.17.2011	A9500	ABX-X420-MAT	247	ABX-X420 Power Supply Mains Board Assy 9500 Material	1
8.17.2011	A9500	ABX-X420-L	248	ABX-X420 Power Supply Mains Board Assy 9500 Labor	1
8.17.2011	A9500	AHX-9500	249	Front Panel Assembly - 9500	1
8.17.2011	A9500	MSX-9501	250	Sheet Metal, Front Panel, 9500	1
8.17.2011	A9500	MPX-X200	251	Bezel, 2" x .8", 9500	1
8.17.2011	A9500	HSS-3024	252	Screw 4-40 X 5/16 Phil Pan SS	32
8.17.2011	A9500	HWX-3003	253	#4 INT LW SS	33
8.17.2011	A9500	HXF-X151	254	Standoff, 1/4", M/F	1
8.17.2011	A9500	RVK-103-D	255	POT 10K OHM CERM 2W	1
8.17.2011	A9500	ABX-X418-A	256	Digital Display Board Assembly	1
8.17.2011	A9500	BCX-X418	257	PCB, Circuit Board Bare Seven Segment Display - 9500	1
8.17.2011	A9500	DLX-X126	258	Green 4 digit 7 segment display	1
8.17.2011	A9500	CHX-1040-B	259	CAP 0.1UF 50V X7R 10%, 0805	1
8.17.2011	A9500	CLA-1060-C	260	CAP TANT LOW ESR 10UF 25V 10% SMD	1
8.17.2011	A9500	JTX-X101	261	TEST POINT RED .063 KEYSTONE 5005	3
8.17.2011	A9500	RFFA-A1020-A	262	RES,MF,1/8W,0805,1%,1.00K	3
8.17.2011	A9500	RFFA-A1030-A	263	RES 10K 0805	1
8.17.2011	A9500	RFFA-A1010-A	264	RES, 100 OHMS, 0805	1
8.17.2011	A9500	UAX-X012	265	IC DRIVER LED 24-SOIC	1
8.17.2011	A9500	JMX-X155	266	.100 PIN STRIP HEADERS 20P	1
8.17.2011	A9500	ABX-X422-CM	267	Front Panel PCB Assy 9500\nSee ABX-X422 for board level	1
8.17.2011	A9500	ABX-X422-L	268	ABX-X422 9500 Front Panel Labor	1
8.17.2011	A9500	ABX-X422-M	269	ABX-X422 9500 Front Panel Material	1
8.17.2011	A9500	AHX-9504	270	Cover for I/O assy - 9500	1
8.17.2011	A9500	JCX-X131	271	Bird-Type Quick Change SO-239 4240-050 UHF Connector	5
8.17.2011	A9500	MSX-9517	272	Sheet Metal, Cover, I/O Controller, 9500	1
8.17.2011	A9500	HSS-4019	273	Screw, Mach, 6-32 X 5/16, PPSS	20
8.17.2011	A9500	HWX-3003	274	#4 INT LW SS	20
8.17.2011	A9500	AHX-9503	275	RF Sub Assy - 9500	1
8.17.2011	A9500	HGX-X104	276	GROMMET EDGING NATRL 100'	1
8.17.2011	A9500	HGX-X115	277	Grommet	1
8.17.2011	A9500	HLX-X109	278	Solder LUG, #6	2
8.17.2011	A9500	HNS-5013	279	HEX NUT, 6-32, SM PATT	11
8.17.2011	A9500	HNS-6008	280	10-32 HEX NUT SM PATT	4
8.17.2011	A9500	HSS-3026	281	Screw, SS, 4-40 X 5/16", Phil Flathead	4
8.17.2011	A9500	HSS-4019	282	Screw, Mach, 6-32 X 5/16, PPSS	8
8.17.2011	A9500	HSS-4022	283	6-32 X 5/16 PFSS	6
8.17.2011	A9500	HSS-6022	284	10-32 X 1/2 SSPPHMS	1
8.17.2011	A9500	HWX-4001	285	#6 Int LWSS	10
8.17.2011	A9500	HWX-6005	286	#10 INT LW SS	1
8.17.2011	A9500	HWX-6009	287	Washer, Fiber, .75" OD, .062" TH, #10 ID or 1/4"	1
8.17.2011	A9500	IHP-1003	288	STNDOFF .8L .75D DELRIN	1
8.17.2011	A9500	IHP-1006	289	STNDOFF 1.2L .75D DELRIN	1
8.17.2011	A9500	IHQ-1054	290	HV Crowbar Insulator STNOFF	1
8.17.2011	A9500	MDX-X153	291	GEAR/32 PTCH/56T/.25BR/DB	2
8.17.2011	A9500	MSX-9519	292	Sheet Metal, Coil Bracket, 9500	1
8.17.2011	A9500	WXX-X121	293	TUBING .016 WALL #12 SLVG TEFLON 12SWTEF	36
8.17.2011	A9500	MSX-9505	294	Sheet Metal, Front Subchassis, 9500	1
8.17.2011	A9500	MSX-9506	295	Sheet Metal, Band Switch Bulkhead, 9500	1
8.17.2011	A9500	WXX-X121	296	TUBING .016 WALL #12 SLVG TEFLON 12SWTEF	1
8.17.2011	A9500	AHX-9501	297	Bandswitch Assy - 9500	1
8.17.2011	A9500	SWX-X111	298	Band Switch E4C-1003	4
8.17.2011	A9500	XXX-X202	299	STRAP Silver Plate .250x24". .0216"TH	13
8.17.2011	A9500	XXX-X212	300	.25" X .010" X 24" Silver Plated Strap	6
8.17.2011	A9500	XXX-X211	301	Strap, .188 X 24" SILVER PLATED 8OZ	12
8.17.2011	A9500	WBX-X104	302	WIRE 1/8 Flat tinned Braid TCFLTBD18"	72
8.17.2011	A9500	IHS-1011	303	ROD SS 6x32 5.8" long	1
8.17.2011	A9500	HXK-4125	304	0.5" X #5 CERAMIC SPACER	10
8.17.2011	A9500	HXK-4126	305	1 x #5 Ceramic Spacer	2
8.17.2011	A9500	HXF-4118	306	#6 X .25 OD X .50 AL SPCR	2
8.17.2011	A9500	HXF-4158	307	Hex Spacer, .50"	2

8.17.2011	A9500	HWX-4010	308	Washer, Fiber, #6	4
8.17.2011	A9500	HWX-4005	309	#6 Split LW SS	2
8.17.2011	A9500	HWX-4001	310	#6 Int LWSS	4
8.17.2011	A9500	HWX-4015	311	#6 NYLON FLAT WASHER .OD 5/16	24
8.17.2011	A9500	HWX-4021	312	#6 Flat Washer, Large Pattern	4
8.17.2011	A9500	HNS-5013	313	HEX NUT, 6-32, SM PATT	4
8.17.2011	A9500	HSS-4034	314	Screw 6-32 X 1/2 Phil Flathead SS	2
8.17.2011	A9500	ACX-X149	315	80 - 160 Meter Ceramic Tank Coil Assy - 9500	1
8.17.2011	A9500	HLX-X109	316	Solder LUG, #6	1
8.17.2011	A9500	HNS-5013	317	HEX NUT, 6-32, SM PATT	1
8.17.2011	A9500	HSS-4025	318	6-32 X 3/8 PPSS	1
8.17.2011	A9500	HWX-4001	319	#6 Int LWSS	1
8.17.2011	A9500	WKX-X107	320	WIRE #12 SILVER PLTD BUSS	1
8.17.2011	A9500	XAX-X103	321	ADHESIVE 5-MINUTE EPOXY CLEAR	1
8.17.2011	A9500	HXA-X155-A	322	COIL FORM NCC DIE #12252	1
8.17.2011	A9500	HSS-4019	323	Screw, Mach, 6-32 X 5/16, PPSS	1
8.17.2011	A9500	ACX-X953	324	Plate Choke Assembly	1
8.17.2011	A9500	WWX-X023	325	Wire, #18 RED 20KV RUBBER	1
8.17.2011	A9500	HLX-X201	326	FASTON TERMINALS FLAG RECP 22-18 .250 .250 X .032	1
8.17.2011	A9500	HRX-X103	327	RETAINING RING, External, 1"nSteel/Yel Zn, 0425154	1
8.17.2011	A9500	HSS-6007	328	Screw, Machine, 10-32 X 3/8, PP SS	1
8.17.2011	A9500	HNS-6007	329	10-32 LG HEX NUT	1
8.17.2011	A9500	HWX-6005	330	#10 INT LW SS	1
8.17.2011	A9500	HXC-6105	331	Choke Form, Ceramic\n10-32 X 1" OD X 5.5"	1
8.17.2011	A9500	WMX-X120	332	#24 SOLDERON/155 CV MAGNET WIRE	200
8.17.2011	A9500	AHX-X953	333	Plate Choke Strap Assy - 9500	1
8.17.2011	A9500	RFL-E101-C	334	RES CERAMIC COMP 100 OHM 2W	2
8.17.2011	A9500	XXX-X203	335	.375"X 24" SLVR PLTD 160Z	1
8.17.2011	A9500	CDX-2221-C	336	CAP 2200PF 6K VOLTS 20% .375 L.S. RADIAL	3
8.17.2011	A9500	ACX-X950	337	10-40 Meter Toroid Coil Assembly - 9500	1
8.17.2011	A9500	XAX-X103	338	ADHESIVE 5-MINUTE EPOXY CLEAR	1
8.17.2011	A9500	XCX-X103	339	2.00 OD X 1.25 ID .50 THK, TORROID CORE, T-200-2 MIMCE	3
8.17.2011	A9500	XKX-X102	340	TAPE FIBER GLASS 1/2 IN X 66 3M #27	1
8.17.2011	A9500	WKX-X104	341	Wire, Buss, Tinned Copper, #14	1
8.17.2011	A9500	WXX-X121	342	TUBING .016 WALL #12 SLVG TEFLON 12SWTEF	1
8.17.2011	A9500	AHX-X919	343	Stepper Motor Band Sw Assy - 9500	1
8.17.2011	A9500	IHQ-6019-L	344		1
8.17.2011	A9500	JAX-X206	345	Connector, MTA, Recept, 6 pin, red	1
8.17.2011	A9500	NSX-X105	346	Shaft Sized Stepper Motor Assy and Connector	1
8.17.2011	A9500	IHQ-6018	347	Stepper Motor, NSX_X105 .250L Shaft	1
8.17.2011	A9500	JAX-X206	348	Connector, MTA, Recept, 6 pin, red	1
8.17.2011	A9500	ACX-X960	349	Plated L Coil Assy 9500, Silver Plated copper tubing	1
8.17.2011	A9500	XTX-X105	350	Copper Tube, 3/16" OD, .030" Wall, Soft, Refrigeration, 50 FT Roll	11
8.17.2011	A9500	XXX-X001	351	Copper Strip, .0216" TH, .188" W	2
8.17.2011	A9500	XXX-X002	352	copper strip, .25"	1
8.17.2011	A9500	XXX-X003	353	Copper Strip, .0216" TH, .375" W	6
8.17.2011	A9500	XXX-X005	354	COPPER .032"TH X .50"W 24OZ	1
8.17.2011	A9500	IHC-1156-L	355	9500 Tank Coil Silver Plating Process	1
8.17.2011	A9500	ABX-X412	356	High Voltage Filter Assy - 9500	1
8.17.2011	A9500	CDX-2022	357	CAPACITOR .002uF 3KV DISC	7
8.17.2011	A9500	HLX-X220	358	LUG PDB MOUNT .250 H/99	1
8.17.2011	A9500	LCX-X101	359	Choke 15uH L005	1
8.17.2011	A9500	BCX-X412	360	PCB, HV DC FILTER	1
8.17.2011	A9500	AHX-X918	361	Stepper Motor for Capacitor Assy - 9500	1
8.17.2011	A9500	IHQ-6018-L	362		1
8.17.2011	A9500	JAX-X206	363	Connector, MTA, Recept, 6 pin, red	1
8.17.2011	A9500	NSX-X105	364	Shaft Sized Stepper Motor Assy and Connector	1
8.17.2011	A9500	IHQ-6018	365	Stepper Motor, NSX_X105 .250L Shaft	1
8.17.2011	A9500	JAX-X206	366	Connector, MTA, Recept, 6 pin, red	1
8.17.2011	A9500	AHX-X918	367	Stepper Motor for Capacitor Assy - 9500	1
8.17.2011	A9500	IHQ-6018-L	368		1
8.17.2011	A9500	JAX-X206	369	Connector, MTA, Recept, 6 pin, red	1
8.17.2011	A9500	NSX-X105	370	Shaft Sized Stepper Motor Assy and Connector	1
8.17.2011	A9500	IHQ-6018	371	Stepper Motor, NSX_X105 .250L Shaft	1
8.17.2011	A9500	JAX-X206	372	Connector, MTA, Recept, 6 pin, red	1
8.17.2011	A9500	MSX-9521	373	Sheet Metal, Bandswitch Encoder Bracket, 9500	1
8.17.2011	A9500	APX-X201	374	Switching Power Supply	1
8.17.2011	A9500	JAX-X203	375	Connector, MTA, Recept, 3 pin, red	1
8.17.2011	A9500	JAX-X904	376	MTA CONNECTOR, 4 PIN, Red	1
8.17.2011	A9500	JAX-X903	377		1
8.17.2011	A9500	JAX-X720	378	MTA RECPT 4PIN .100 22AWG	1
8.17.2011	A9500	HLX-X201	379	FASTON TERMINALS FLAG RECP 22-18 .250 .250 X .032	1
8.17.2011	A9500	JAX-X720	380	MTA RECPT 4PIN .100 22AWG	1
8.17.2011	A9500	CDX-2221-C	381	CAP 2200PF 6K VOLTS 20% .375 L.S. RADIAL	3
8.17.2011	A9500	WWX-X081	382	Wire, #22 WHITE 7-30 UL1061 PVC	4
8.17.2011	A9500	RVK-103-D	383	POT 10K OHM CERM 2W	1
8.17.2011	A9500	HSN-7001	384	1/4-20 X 2 1/2 NYL CAP FASTENAL#76108	1
8.17.2011	A9500	IHT-9501	385		1
8.17.2011	A9500	IHT-9502	386		1
8.17.2011	A9500	IHT-9503	387		1
8.17.2011	A9500	CDX-3900-C	388	Cap, 39PF 20% RADIAL WIRE 2500V	1
8.17.2011	A9500	CKD-1021	389	CAP, DISC, .001uF, 3kV	2
8.17.2011	A9500	CKM-1021	390	CAP - .001uF 100V	2
8.17.2011	A9500	AJX-X907	391	Coax Low Power Assy 9500 - One RCA plug plus Coax 6.5"	1
8.17.2011	A9500	JMX-X248	392	Plug, Male, RCA	1
8.17.2011	A9500	WCX-X105	393	wire, Cable, coaxial, RG-316/U	1
8.17.2011	A9500	AJX-X911	394	Coax Low Power Assy 9500 - Two RCA plugs plus Coax 13"	1
8.17.2011	A9500	JMX-X248	395	Plug, Male, RCA	1
8.17.2011	A9500	WCX-X105	396	wire, Cable, coaxial, RG-316/U	1
8.17.2011	A9500	AWX-X902	397	RS232 Extension Cable, 19" DB9 M/F	1
8.17.2011	A9500	HLX-X222	398	#4 SOLDER LUG- 2 HOLE	1
8.17.2011	A9500	HSS-3016	399	4-40 X 1/4 PPSS	1
8.17.2011	A9500	WXX-X132	400	1/8" HEATSHRINK TUBING	1
8.17.2011	A9500	WXX-X114	401	TUBING TEFLON .148 X .178	1
8.17.2011	A9500	JFX-X130	402	D-SUB CONNECTORS 9P FEMALE	1
8.17.2011	A9500	JMX-X232	403	D-SUB CONNECTORS 9POS MALE	1
8.17.2011	A9500	WWX-X081	404	Wire, #22 WHITE 7-30 UL1061 PVC	4
8.17.2011	A9500	ZLX-X250	405	Made in the USA label	1
8.17.2011	A9500	AJX-X268	406	USB 2.0 PANEL-MOUNT B(F) TO B(M)	1
8.17.2011	A9500	JAX-X720	407	MTA RECPT 4PIN .100 22AWG	2
8.17.2011	A9500	WWX-X081	408	Wire, #22 WHITE 7-30 UL1061 PVC	2
8.17.2011	A9500	BCX-X421-SC	409	RF Shields for 9500	1
1.9.1900	A9500	VTX-X101	410	3CX1500A7 / 8877 Tube - VTX-X101	1

Overall Total

1258.264

BCX-X418 BOM REV 1
9500 DIGITAL DISPLAY

Item	ALPHA #	Qty	Reference	Manufacturer	Part Name	Description	MOUSER	DIGIKEY
1	CHX-1040-B	1	C2	KEMET	C0805C104M5RAC7800	CAP,CER,100NF,50V,0805+/-10%,X7R	80-C0805C104K5R	
2	CLA-1060-C	1	C1	AVX	TPSC106K025R0500	CAP,TANT,10UF,25V,SMT,C_6032_C		478-1762-1-ND
3	DLX-X126	1	U2	FAIRCHILD	MSQ6441C	LED 7-SEG 4DIG CC GRN RHDP .56"		MSQ6441C-ND
4	JTX-X101	3	TP1-3	KEYSTONE	5000	TERMINAL TESTPOINT RED		5000K-ND
5	RFFA-A1020-A	3	R1-3			RES,MF,1/8W,0805,1%,1.00K		
6	RFFA-A1030-A	1	R5			RES,MF,1/8W,0805,1%,10.0K		
7	RVK-1032-D	1	R4		064Y103	RES,SMT,10K,MULTI TURN	594064Y103	
8	UAX-X012	1	U1	MAXIUM	MAX7219CWG	IC,LED DRIVER,		MAX7219CWG-ND
9		1	J1			BERG,3X2 PIN,.1 SPACING, MALE		

BCX-X419 BOM REV A
9500 HVPS

Item	ALPHA #	Qty	Reference	Manufacturer	Part Name	Description	MOUSER	DIGIKEY
1		1	JP1			22 AWG JUMPER		
2	CDX-2221-C	1	C1	VISHAY				
3	CEX-1082-C	1	C5	UNITED CHEMICON	EKMG350ELL102MK20S	CAP,ELE,RADIAL,1000UF,35V		565-1325-ND
4	CEX-3311-C	9	C2-4 C6-8 C19-21	UNITED CHEMICON	EKMQ451VSN331MR45S	CAP,ELEC,SNAP PCB,RADIAL,330UF, 450V		565-3027-ND
5	CEX-3360-C	3	C28 C31 C35	TCI		CAP,ELE,RADIAL,33UF,50V,THRU HOLE		
6	CEX-3361-C	2	C9 C25			CAP,ELE,33UF,250V,20%,RADIAL		
7	CEX-4780-C	1	C26	UNITED CHEMICON	EKMG350ELL472MMP1S	CAP,ELE,RADIAL,4700UF,35V		565-1327-ND
8	CKD-1021	1	C30	BCC	S102M43Z5P283L6R	CAP,CER,1000PF,20%,3K,THRU,.25LS	594-S102M43Z5P283L6R	
9	CKM-1010-A	3	C10-11 C16	KEMET	C315C101K2R5TA	CAP,CER,100PF,200V,10%.1 THRU	80-C315C101K2R	399-1985-ND
10	CKM-1021-C	3	C13 C17 C22	KEMET	C315C102J1G5CA7303	CAP,CER,1000PF,100V,5%,.1 THRU	80-C315C102J1G-TR	
11	CKM-1030	14	C12 C14-15 C18 C23-24 C27 C29 C32-34 C36-38	KEMET	C315C103K1R5TA	CAP,10nF,100V,10%,.1 THRU	80-C315C103K1R	
12	DRA-X003	1	D5	MCC	RS402L	DIODE,BRIDGE,100V,4 AMP		
13	DRX-X128	1	D12	FAIRCHILD	1N4007	DIODE,1000V,1AMP,DO-7	512-1N4007	
14	DRX-X131	9	D1-4 D6-9 D13	ON SEMI	1N5408G	DIODE,GP,1000V,3A,AXIAL	863-1N5408G	
15	DZX-X101	1	D16	FAIRCHILD	1N4733A	DIODE,ZENER,5.1V,1 WATT,THRU HOLE	512-1N4733A	
16	DZX-X103	1	D10	FAIRCHILD	1N4746A	DIODE,ZENER,18V,1 WATT,THRU HOLE	512-1N4746A	
17	DZX-X114	1	D11	ON SEMICONDUCTOR	1N5363BG	DIODE,ZENER,30V,5 WATT,THRU HOLE	863-1N5363BG	
18	DZX-X153	1	D15	ON SEMI	1N5357BG	DIODE,ZENER, 20V, 5WATT, THRU HOLE	863-1N5357BG	
19	DZX-X154	1	D14	ON SEMI	1N5368BG	DIODE,ZENER,47V,5 WATT, 5%,THRU	863-1N5368BG	
20	HLX-X220	4	J5-7 J16		FASTON	CONN,SOLDER TAB,THRU HOLE.		
21	JAX-X713	1	J12	AMP	640445-8	CONN,8 PIN,.156 LS, THRU HOLE	571-6404458	
22	JMX-X155	1	J15	3M	2320-6121TG	CONN,BERG TYPE,.1",10X2,KEYED	517-2320-6121TG	
23	JTX-X101	9	TP1-9	KEYSTONE	5000	TERMINAL TESTPOINT RED		5000K-ND
24	KDX-X140	1	K1	MATSUSHITA	DS2Y-SL2-DC5	RELAY,THRU,LATCHING,5V		255-1082-ND
25	QTX-X109	1	Q1	ON SEMI	2N3906	TRAN,PNP,40V,200mA,THRU HOLE		
26	RFC-C1004-4	3	R5 R12 R24			RES,MF,1M,1 WATT, THRU		
27	RFF-B101-C	1	R20			RES,MF,100,5%,1/2W,THRU HOLE.		
28	RFF-B102-C	1	R9			RES,MF,1K,5%,1/2W,THRU HOLE		
29	RFF-B103-C	3	R17-18 R21		RK73H1JT1002F	RES,MF,1/2W,THRU,1%,10.0K		
30	RFF-B104-C	2	R27-28			RES,MF,1/2W,THRU,1%,100K		
31	RFF-B224-A	1	R19			RES,FILM,220K,1%,1/4WATT,THRU HOLE		
32	RFF-B361-C	1	R11			RES,MF,360,5%,1/2W,THRU HOLE		
33	RFM-B3011-A	1	R25	KOA		RES,MF,3.01K,1%,1/4WATT,THRU HOLE		
34	RFM-B471-C	1	R10			RES,MF,470,10%,1/2 WATT,THRU		
35	RFO-E102-C	1	R8			RES,MO,1K,5%,2W,THRU HOLE		
36	RFO-E154-D	9	R2-4 R13-16 R22-23			RES,MF,150K,2 WATT, THRU		
37	RFW-G822-C	2	R6-7	DALE	CW-5 8.2K 5%	RES,WW,8.2K,5%,5W,THRU HOLE		
38	RFW-R100	2	R1 R26	CLAROSTAT	VP10K25	RES,10 OHM,25 WATT, WIRE WOUND		
39	UAX-X014	1	U1	ANALOG DEVICES	AD628AR	IC DIFF AMP HI-CMV		AD628AR-ND
40	UVX-X019	1	U4	ON SEMI	MC7824	IC,REGULATOR,24V,1AMP,TO220	511-L7824ACV	
41	UVX-X020	1	U2	ON SEMI	MC7912ACTG	IC,REGULATOR,-12V,1AMP,TO220	863-MC7912ACTG	MC7912CTFS-ND
42	UVX-X021	1	U3	ON SEMI	MC7812ACTG	IC,REGULATOR,12V,1AMP,TO220	863-MC7812ACTG	MC7812ACTOS-ND

BCX-X420 REV B

9500 MAINS PCB

Item	ALPHA #	Qty	Reference	Manufacturer	Description	PART NUMBER	MOUSER	DIGIKEY	NEWARK
1	CEA-6870-C	1	C49	CDE	CAP,ELE,680uF,16V,+/-20%,CASE G	EEV-FK1A102P			
2	CEX-R470-C	1	C53	NICHICON	CAP,ELE,.47UF,350V,20%,THRU RADIAL	UPW2VR47MPD11	647-UPW2VR47MPD		
3	CHX-1012-A	16	C5-12 C22-23 C40-43 C45-46	KEMET	CAP,100pF,CHIP,0805 +/- 5%,COG	C0805C101J5GAC			
4	CHX-1023-B	4	C54 C62-64	KEMET	CAP,1000PF,CHIP,0805,+/-10%,X7R,50v	C0805C102K3RAC			
5	CHX-1034-B	23	C3-4 C13 C24-36 C38 C44 C47-48 C50-52	KEMET	CAP,10NF,CHIP,0805,+/-10%,X7R,50v	C0805C103K5RAC7800	80-C0805C103K5R		
6	CHX-1050-B	1	C39	KEMET	CAP,CER,1UF,50V,0805+/-10%,X7R	C0805C105K8RAC		399-1172-1-ND	
7	CHX-2200-A	4	C15 C18 C20-21	KEMET	CAP MC X7R CHIP 0805 50V 22PF	C08053C220J5GAC			
8	CKD-1021	2	C1-2		CAP,CER,1000PF,3KV,THRU				
9	CLA-1071-B	2	C55 C57	AVX	CAP,TANT,100UF,10V,SMT,C 6032_C	TPSC107K010R0100			07J3636
10	DLX-X125	1	D11	LUMEX	DIO,LED,RED,2V,30mA,SOT-23	SML-LX151C-TR			
11	DRA-X004	9	D1-8 D10	FAIRCHILD	DIO,70V,200mA,DUAL,SWITCHING	BAV99	512-BAV99		
12	DRX-X128	4	D9 D12-14	FAIRCHILD	DIODE,1000V,1AMP,DO-7	1N4007	512-1N4007		
13	HLX-X220	9	J11-12 J14-16 J18 J27 J32-33		CONN,SOLDER TAB,THRU HOLE.	FASTON			
14	JAX-X303	1	J22	AMP	CONN,THRU,BERG TYPE,.1",3 PIN	640456-3	571-6404563		
15	JAX-X305	1	J20	AMP	CONNECTOR,.1, 5 POSITIONS	640456-5	571-6404565		
16	JAX-X606	1	J31	AMP	CONN,6 PIN WITH 4 CENTER REMOVED,.156 PS				
17	JAX-X713	1	J25		CONNECTOR,.1,8 POSITION,LOCKING				
18	JAX-X740	2	J13 J17	AMP	CONN,2PIN,.156 PS,STRAIGHT,THRU HOLE	640445-2	5716404452		
19	JMX-X155	3	J21 J24 J26	3M	CONN,10X2,.1PS				
20	JTX-X100	1	TP6	KEYSTONE	TERMINAL TESTPOINT BLACK	5001		5001K-ND	
21	JTX-X101	5	TP1-5	KEYSTONE	TERMINAL TESTPOINT RED	5000		5000K-ND	
22	KDX-X142	8	K1-8	OMRON	RELAY,30AMP,THRU HOLE, SEALED	G8P-1A4P-DC5		Z1006-ND	89C6867
23	QTX-X178	9	Q1-9	INTERNATIONAL RECTIFIER	FET,N CHANNEL,60V,2.7AMP,SOT223	IRLL014		IRLL014-ND	
24	RFFA-A1502-C	4	R43 R54, R22 R23		RES,MF,1/8W,0805,5%,15.00K				
25	RFC-C1004-4	2	R46-47		RES,MF,1M,1 WATT, 1%,THRU				
26	RFFA-A1020-A	3	R29 R31 R34	ANY VENDOR	RES,MF,1/8W,0805,1%,1.00K				
27	RFFA-A1030-A	3	R1 R10 R42		RES,MF,1/8W,0805,1%,10.0K				
28	RFFA-A1030-C	10	R15-19 R21 R24 R37 R39 R41	KOA	RES,MF,1/10W,0805,5%,10K	RM73B2AT103J			
29	RFFA-A1040-C	1	R36	KOA	RES,MF,1/10W,0805,5%,100K				
30	RFFA-A1692-A	1	R32		RES,MF,1/10W,0805,1%,16.9K				
31	RFFA-A2211-A	10	R2-9 R35 R55	KOA	RES,MF,1/10W,0805,1%,2.21K				
32	RFFA-A2212-A	2	R11 R40	KOA	RES,MF,1/10W,0805,1%,22.1K				
33	RFFA-A22R1-A	1	R12	KOA	RES,MF,1/10 W,0805,1%,22.1				
34	RFFA-A2710-C	1	R20	KOA	RES,MF,1/10W,0805,5%,270				
35	RFFA-A3320-A	2	R25-26	KOA	RES,MF,1/10W,0805,1%,332				
36	RFFA-A3321-A	1	R28		RES,MF,1/10W,0805,1%,3.32K				
37	RFFA-A3921-A	1	R38	KOA	RES,MF,1/10W,0805,1%,3.92K	RK73H2AT3921F			
38	RFFA-A5621-A	2	R52-53		RES,MF,1/10W,0805,1%,5.62k				
39	RFFA-A5762-A	1	R33	KOA	RES,MF,1/10W,0805,1%,57.6K				
40	RFFA-A6811-A	1	R30		RES,MF,1/10W,0805,1%,6.81K				
41	RFW-R250	1	R27	CLAROSTAT	RES,25 OHM,25 WATT, 5%,WIRE WOUND	VP25K25	588-L25J-25		
42	UAX-X017	1	U5	MICRO CHIP	IC,PROCESSOR,44 PIN QFP	PIC18F4525-I/PT		PIC18F4525-I/PT-ND	
43	UAX-X023	1	U3	PHILLIPS SEMICONDUCTOR	IC,I2C DRIVER,SOIC8	P82B715TD-T		568-1007-1-ND	
44	UAX-X024	1	U1	NATIONAL	IC,QUAD,OP AMP,SO14	LM324M/NOPB			41K4687
45	UAX-X028	1	U4	LINEAR	IC,LDO,4.096V,.1%,SOT23-6	LT1790BCS6-4.096#TRM		LT1790BCS6-4.096#TRMCT-ND	
46	YCA-X002	1	Y1	ABRACON	CRYSTAL,10MZ,+/-20PPM,HC49,SMT	ABLS-10.000MHZ-B2-T	815-ABLS-10-B2		

Thru Hole

BCX-X421 REV A
9500 MAIN CONTROLLER

Item	ALPHA #	Qty	Reference	Part Name	VALUE	Manufacturer	Description
1	CEA-1080-D	3	C506 C508 C522	AFK108M50P44T-F	1000uF 50V	CDE CORNELL DUBILIER	CAP,ELE,1000UF,50V,20%,CASE P
2	CEA-2270-C	1	C516	AFK227M63H32T-F	220uF 63V	CORNELL DUBILIER	SMD Aluminum Electrolytic Capacitors 63V 220uF 12.5X13.5
3	CEA-3350-C	1	C70	EEV-HD2A3R3P	3.3uF 100V	PANASONIC	CAP,ELEC,SMT,3.3UF,100v
4	CGX-X1020-D	1	SP1		1000V	CPC	SPARK GAP,AXIAL,1000V,THRU HOLE
5	CHA-A1R20-A	2	C505 C510		1.2pF	ATC	CAP CER 1.2PF 1000V SMD
6	CHX-1012-A	13	C40 C74 C82 C86-87 C96 C102 C105 C107 C109 C113-114 C531	C0805C101J5GAC	100pF	KEMET	CAP,100pF,CHIP,0805 +/- 5%,COG
7	CHX-1023-B	53	C11 C14 C16-23 C25-32 C37-38 C44 C49-50 C56 C64 C67-68 C75-76 C88 C90-91 C98 C101 C108 C110 C115-124 C502-504 C512-514 R85	C0805C102K5RAC7800	1000PF	KEMET	CAP,1000PF,CHIP,0805,+/-10%,X7R,50v
8	CHX-1034-B	77	C1-4 C6-10 C12-13 C15 C24 C33-36 C39 C41-43 C47-48 C51-55 C60-63 C65-66 C69 C71-73 C77-78 C81 C83-84 C89 C92-95 C97 C99-100 C103-104 C111-112 C125 C500-501 C507 C509 C511 C515 C517-521 C523-530 C532-533	C0805C103K5RAC7800	10nF	KEMET	CAP,10NF,CHIP,0805,+/-10%,X7R,50v
9	CHX-1035-C	1	C59	VJ1808Y103MXEAT	10NF 500V	VISHAY	CAP,CER,10NF,1808,500V,X7R
10	CHX-1050-B	1	C45	C0805C105K8RAC	1uF	KEMET	CAP,CER,1UF,50V,0805+/-10%,X7R
11	CHX-2200-A	4	C79-80 C85 C106	C08053C220J5GAC	22pF	KEMET	CAP MC X7R CHIP 0805 50V 22PF
12	CLA-1071-B	4	C5 C46 C57-58	TPSC107K010R0100	100UF 10V	AVX	CAP,TANT,100UF,10V,SMT,C 6032_C
13	DLX-X125	1	D10	SML-LX151C-TR	GREEN	LUMEX	DIO,LED,GREEN,2V,30mA,SOT-23
14	DRA-X002	7	D1-7	BAV70LT1		ON SEMICONDUCTORS	DIODE,DUAL,HIGH SPEED COMMON CATHODE,SOT23
15	DRA-X005	1	D8	MRA4003T3		ON SEMICONDUCTOR	DIODE,SMT,1 AMP,300V,403D-02
16	DZA-X003	1	D9	SMAZ24		DIODES INC.	DIODE,ZENER,1WATT,24V,SMA
17	HXA-X200	37	FEN1-37	S1711-06R		CAS	RFI,SHIELD,FENCE,SUPPORT,SURFACE-MOUNT
18	JAX-X304	3	J6-7 J13	640456-4		AMP	CONN,4 PIN,.1PS,FRICTION LOCK,
19	JAX-X305	1	JP1		MTA-5		CONNECTOR,.1, 5 POSITIONS
20	JAX-X310	1	J12	1-640456-0		AMP TYCO	CONN HEADER VERT 10 POS .100 TIN
21	JAX-X317	1	J10	2320-6121TG		3M	CONN,BERG TYPE,.1,10X2,KEYED"
22	JCX-X195	1	J5	901		KEYSTONE	CONN,RCA,RIGHT ANGLE,THRU HOLE
23	JTX-X101	9	TP1-9	5000		KEYSTONE	TERMINAL TESTPOINT RED
24	KDX-X124	1	K1				RELAY,DPDT,12V,1AMP CONTACTS
25	KDX-X143	4	K500-503	DK1A-L2-5V		PANASONIC	RELAY LATCHING 10A 5VDC PCB
26	KDX-X144	4	K504-507	ADQ23Q04H		PANASONIC	RELAY,LATCHING,30AMP,SPST
27	KVX-X106	2	K508-509	G41C334		GIGAVAC	RELAY,VACUUM,DPDT, 26.5 VOLT
28	LCX-X101	2	L1-2		1mH	JW MILLER	IND,1mH,THRU HOLE
29	QAX-X002	4	Q10 Q12 Q14-15	MMBT3904LT1		ON SEMICONDUCTOR	TRANSISTOR,NPN,SOT-23
30	QAX-X007	1	Q13	IRF610S		INTERNATIONAL RECTIFIER	FET,N CHANNEL,200V,3.3A
31	QAX-X008	1	Q16	IRF9620S		INTERNATIONAL RECTIFIER	FET,P CHANNEL,200V,3.5A
32	QAX-X178	16	Q1-9 Q11 Q17-22	IRLL014		INTERNATIONAL RECTIFIER	FET,N CHANNEL,60V,2.7AMP,SOT223
33	RFFA-A1010-A	14	R3-5 R8 R34 R39 R48-50 R52 R64 R69 R81 R120		100 1%	ANY VENDOR	RES,MF,1/10W,0805,1%,100
34	RFFA-A1020-A	32	R9-10 R18-25 R27-28 R31 R35 R38 R41 R62-63 R66 R71 R78 R90 R97 R99 R102 R106 R121 R123-127	RK73H2AT1001F	1.00K 1%	KOA	RES,MF,1/8W,0805,1%,1.00K
35	RFFA-A1030-A	14	R37 R46 R55 R60 R65 R82 R91 R96 R98 R109 R113 R116 R122 R502		10.0K 1%		RES,MF,1/8W,0805,1%,10.0K
36	RFFA-A1040-A	12	R54 R67-68 R72 R74 R76 R87-88 R94 R103-104 R112		100K 1%	ANY VENDOR	RES,MF,1/10W,0805,1%,100K
37	RFFA-A1040-C	1	R36		100K	ANY VENDOR	RES,MF,1/10W,0805,5%,100K
38	RFFA-A1210-A	1	R33		120 1%		RES,MF,1/8W,0805,1%,120
39	RFFA-A1520-C	2	R57-58		1.5K	ANY VENDOR	RES,MF,1/10W,0805,5%,1.5K
40	RFFA-A1823-A	1	R100		182K 1%		RES,MF,1/10W,0805,1%,182K
41	RFFA-A2211-A	2	R43 R45		2.21K 1%		RES,MF,1/10W,0805,1%,2.21K
42	RFFA-A22R1-A	12	R1-2 R6-7 R12 R26 R40 R47 R59 R77 R107 R118		22.1 1%		RES,MF,1/10W,0805,1%,22.1
43	RFFA-A3320-A	2	R51 R53		332 1%	KOA	RES,MF,1/10W,0805,1%,332
44	RFFA-A3323-A	8	R61 R73 R75 R83 R89 R101 R105 R110		332K 1%	KOA	RES,MF,1/10W,0805,1%,332K
45	RFFA-A3910-C	2	R11 R84		390	KOA	RES,MF,1/10W,0805,5%,390
46	RFFA-A4720-C	7	R29-30 R32 R119 R128-129 R503	9C08052A4701JLHFT	4.7K	YAEGO CORP.	RES,MF,1/10W,0805,5%,4.7K
47	RFFA-A49R9-A	6	R13 R15 R108 R117 R500-501		49.9 1%		RES,MF,1/10W,0805,1%,49.9
48	RFFA-A6811-A	2	R56 R79		6.81K 1%		RES,MF,1/10W,0805,1%,6.81K
49	RFFA-A7510-A	2	R42 R44		750 1%	ANY VENDOR	RES,MF,1/10W,0805,1%,750
50	RFFA-D1000-C	1	R93		10.0 1% 1WATT	KOA	RES,MF,1W,2512,1%,10.0
51	RFFA-D1001-A	1	R92		1.00K 1W	KOA	RES,MF,1W,2512,1%,1.00K
52	RFFA-D1010-A	4	R16-17 R114-115		100 1% 1WATT		RES,MF,1W,2512,1%,100
53	RFFA-D2210-C	4	R70 R80 R86 R95		220 1W	KOA	RES,MF,1W,2512,5%,220
54	RVFA-1011-C	2	R14 R111	SM4A101	100	BC COMPONENTS	RES,SMT,100,MULTI TURN,RIGHT ANGLE
55	UAX-X015	1	U10	LMV324M		NATIONAL	IC,LOW POWER,RAIL TO RAIL,QUAD,OP AMP,SO14
56	UAX-X023	1	U6	P82B715TD-T		PHILLIPS SEMICONDUCTOR	IC,I2C DRIVER,SOIC8
57	UAX-X024	1	U9	LM324M/NOPB		NATIONAL	IC,QUAD,OP AMP,SO14
58	UAX-X025	1	U12	MAX5385EUT		MAXIM	IC,8 BIT DAC, SOT 23-6
59	UAX-X028	1	U3	LT1790BCS6-4.096#TRM	4.096V	LINEAR	IC,LDO,4.096V,.1%,SOT23-6
60	UAX-X032	1	U11	PIC18F4620-I/PT		MICRO CHIP	IC,PROCESSOR,64K,44 PIN QFP
61	UAX-X033	4	U1-2 U7-8	AD8309ARUZ		ANALOG DEVICES	IC LOGARITHM AMP 100DB 16-TSSOP
62	UAX-X034	1	U5	TL3016CD		TEXAS INSTRUMENTS	IC HS LP COMP 8-SOIC
63	UAX-X035	1	U4	CD74HC238M		TEXAS INSTRUMENTS	3-LINE TO 8-LINE DECODER/MULTIPLEXER
64	YCA-X002	1	Y1	ABLS-10.000MHZ-B2-T	10.00Mhz	ABRACON	CRYSTAL,10Mhz,+/-20PPM,HC49,SMT
65		17	J1-4 J9 J11 MT1-6 MT8-12	5062-3		KEYSTONE	STANDOFF,BRASS NIC/PLAT,.500X.250X.141
66		1	T1				30 turns
67	Focken	1	T2				

BCX-X422 BOM REV A
9500 FRONT PANEL PCB

Item	ALPHA #	Qty	Reference	Part Number	Description	VALUE	Manufacturer	DIGIKEY	MOUSER
1	CEA-1080-D	4	C1 C42 C48 C59	AFK108M50P44T-F	CAP,ELE,1000UF,50V,20%,CASE P	20%	CDE CORNELL DUBILIER		5985-AFK50V1000-F
2	CEA-6870-C	4	C30 C52-53 C66	EEV-FK1A102P	CAP,ELE,680uF,16V,+/-20%,CASE G	+/- 20%	CDE		
3	CHX-1012-A	15	C2-12 C14-15 C18 C23	C0805C101J5GAC	CAP,100pF,CHIP,0805 +/- 5%,COG	+/- 5%	KEMET		
4	CHX-1023-B	7	C13 C19-20 C22 C25 C27-28	C0805C102K5RAC7800	CAP,1000PF,CHIP,0805,+/-10%,X7R,50v	50v,+/- 10%	KEMET		80-C0805C102K5R
5	CHX-1034-B	20	C16-17 C24 C26 C29 C34-38 C43-44 C50-51 C54 C56 C63- 65 C67	C0805C103K5RAC7800	CAP,10NF,CHIP,0805,+/-10%,X7R,50v	50v,+/- 10%	KEMET		80-C0805C103K5R
6	CHX-1040-B	3	C40-41 C58	C0805C104M5RAC7800	CAP,CER,100NF,50V,0805+/-10%,X7R	10%	KEMET		
7	CHX-1040-B	1	C57	C0805C104M5RAC7800	CAP,CER,100NF,50V,0805+/-10%,X7R	10%	KEMET		80-C0805C103K5R
8	CHX-2200-A	12	C21 C31-33 C39 C46-47 C49 C55 C60-62	C08053C220J5GAC	CAP MC X7R CHIP 0805 50V 22PF	+/-5%	KEMET		
9	CLA-2260-C	1	C45	TPSC226K016R0375	CAP,TANT,22UF,16V,SMT,C 6032 C	10%	AVX		581-TPSC226K016R0375
10	DLX-X104	10	D17-20 D28-30 D38-40		LED,RED,THRU HOLE,,1 ON CENTER,,1X.3		HP		
11	DLX-X105	2	D27 D37		LED,YELLOW,THRU HOLE,,1 ON CENTER,,1X.3		HP		
12	DLX-X106	28	D1-16 D21-26 D31-36		LED,GREEN,THRU HOLE,,1 ON CENTER,,1X.3		HP		
13	DLX-X107	46	D41-56 D61-80 D86-95		LED,GREEN,THRU HOLE,,1 ON CENTER,,2X.2		HP		
14	DLX-X108	5	D57-59 D84-85		LED,YELLOW,THRU HOLE,,1 ON CENTER,,2X.2		HP		
15	DLX-X125	4	D60 D81-83		LED,RED,THRU HOLE,,1 ON CENTER,,2X.2		HP		
16	DNI	4	R13-16	SM4A104	RES,SMT,10K,MULTI TURN,RIGHT ANGLE		BC COMPONENTS	SM4A104-ND	
17	DRA-X004	3	D108-110	BAV99	DIO,70V,200mA,DUAL,SWITCHING		FAIRCHILD		512-BAV99
18	DRA-X005	12	D96-107	MRA4003T3	DIODE,SMT,1 AMP,300V,403D-02		ON SEMICONDUCTOR	MRA4003T30SCT-ND	
19	JAX-X303	4	J3 J6-7 J9	640456-3	CONN,THRU,BERG TYPE,,1",3 PIN		AMP		571-6404563
20	JAX-X304	3	J10-12	640456-4	CONN,4 PIN,,1PS,FRICITION LOCK,		AMP		571-6404564
21	JAX-X305	3	J2 J5 J8	640456-5	CONNECTOR,,1, 5 POSITIONS		AMP		571-6404565
22	JAX-X306	3	JP1-3	640456-6	CONN,6 PIN,1.PS,FRICITION LOCK,STRAIGHT		AMP		571-6404566
23	JAX-X713	1	J13	640456-8	CONNECTOR,,1,8 POSITION,LOCKING		AMP		571-6404568
24	JMX-X155	1	J4		CONN,10X2,,1PS		3M		
25	JMX-X249	1	J1	103186-3	CONN,HEADER,6 PIN,,1PS,THUR HOLE		AMP		571-1031863
26	JTX-X100	1	TP10	5001	TERMINAL TESTPOINT BLACK		KEystone	5001K-ND	
27	JTX-X101	12	TP1-9 TP11-13	5000	TERMINAL TESTPOINT RED		KEystone	5000K-ND	
28	QAX-X178	12	Q1-12	IRLL014	FET,N CHANNEL,60V,2.7AMP,SOT223		INTERNATIONAL RECTIFIER	IRLL014-ND	
29	RFFA-A1010-A	11	R17-22 R44-45 R58 R65 R77		RES,MF,1/10W,0805,1%,100	1%	ANY VENDOR		
30	RFFA-A1020-A	15	R23-32 R35 R37-38 R41 R43		RES,MF,1/8W,0805,1%,1.00K	1%	ANY VENDOR		
31	RFFA-A1030-A	26	R34 R36 R39 R42 R50-57 R59 R61-63 R66-67 R69 R71 R73 R75 R78-79 R81-82		RES,MF,1/8W,0805,1%,10.0K	1%			
32	RFFA-A1040-C	10	R33 R40 R60 R64 R68 R70 R72 R74 R76 R80		RES,MF,1/10W,0805,5%,100K	5%	ANY VENDOR		
33	RFFA-A1520-C	2	R48-49		RES,MF,1/10W,0805,5%,1.5K	5%	ANY VENDOR		
34	RFFA-A3320-A	2	R46-47		RES,MF,1/10W,0805,1%,332	1%	KOA		
35	RFW-G100-C	12	R1-12		RES,2 WATT,WW,10 OHM,1%	1%			
36	SPK-X001	1	LS1	GC0251K	SPEAKER 14X25MM 8 OHMS 1		CUI Inc	GC0251K-ND	
37	SPX-X114	6	S31-34 S41-42	5501M11	SWITCH,TACT,THRU HOLE,RED LED		E SWITCH		612-5501M11
38	SPX-X115	19	S1-14 S35-39	5501M12	SWITCH,TACT,THRU HOLE,GREEN LED		E SWITCH		612-5501M12
39	SPX-X116	17	S15-30 S40	5501M13	SWITCH,TACT,THRU HOLE,YELLOW LED		E SWITCH		612-5501M13
40	UAX-X012	4	U3-4 U8-9	MAX7219CWG	IC,LED DRIVER,		MAXIUM	MAX7219CWG-ND	
41	UAX-X023	1	U2	P82B715TD-T	IC,I2C DRIVER,SOIC8		PHILLIPS SEMICONDUCTOR	568-1007-1-ND	
42	UAX-X027	3	U1 U5 U7	PIC18F252-I/SO	IC,PIC PROCESSOR,28 PIN SOIC		MICROCHIP		579-PIC18F252-I/SO
43	UAX-X029	1	U6	SN74HC4020DRE4	IC,14 STAGE BINARY RIPPLE COUNTER,SOIC-16		TI		595-SN74HC4020DRE4
44	YCA-X002	3	Y1-3	ABLS-10.000MHZ-B2-T	CRYSTAL,10MZ,+/-20PPM,HC49,SMT		ABRACON		815-ABLS-10-B2

BCX-X429 REV 2
USB/SERIAL CONTROLLER

Item	ALPHA #	Qty	Reference	Manufacturer	Part Name	Description	MOUSER	DIGIKEY	NEWARK
1	CHX-1012-A	2	C7 C10	KEMET	C0805C101J5GAC	CAP,100pF,CHIP,0805 +/- 5%,COG			
2	CHX-1023-B	2	C9 C18	KEMET	C0805C102K5RAC7800	CAP,1000PF,CHIP,0805,+/-10%,X7R,50v	80-C0805C102K5R		
3	CHX-1034-B	4	C1 C3 C11-12	KEMET	C0805C103K5RAC7800	CAP,10NF,CHIP,0805,+/-10%,X7R,50v	80-C0805C103K5R		
4	CHX-1040-B	1	C6	KEMET	C0805C104M5RAC7800	CAP,CER,100NF,50V,0805+/-10%,X7R			
5	CLA-1050-B	5	C4-5 C8 C14 C19	Sprague	293D105X9025B2T	CAP,TANTALUM,1.0uF,25V,+/-10%	74-293D105X9025B2T		
6	CLA-4R70-B	1	C2	Sprague	293D475X9016B2W	CAP,TANT,4.7UF,16v,10%,3528,SMT			88H2669
7	DLX-X125	2	D1-2	LUMEX	SML-LX151C-TR	DIO,LED,RED,2V,30mA,SOT-23			
8	DRA-X011	1	U2	LITTLE FUSE	SP0503BAHT	DIODE,TRIPLE,TV,5.5V CLAMP,SOT-143	576-SP0503BAHT		
9	JAX-X304	1	J2	AMP	640456-4	CONN,4 PIN,.1PS,FRICTION LOCK,	571-6404564		
10	RFFA-4990-A	4	R8-11			RES,MF,1/10W,0805,1%,49.9			
11	RFFA-A1020-A	4	R1-2 R5-6	ANY VENDOR		RES,MF,1/8W,0805,1%,1.00K			
12	RFFA-A1030-C	1	R7	KOA	RM73B2AT103J	RES,MF,1/10W,0805,5%,10K			
13	RFFA-A2710-C	2	R3-4	KOA		RES,MF,1/10W,0805,5%,270			
14	UAX-X022	1	U3	MAXIM	MAX232CSE+	IC,232 TRANCEIVER,DUAL CHANNEL,SO-16 NARROW			68K4549
15	UAX-X029	1	U4	TOSHIBA	TC7W53FK(TE85L)	IC,MULTIPLEXER/DEMUX 20-CH US8-8		TC7W53FKCT-ND	
16	UAX-X030	1	U1	FTDI	604-00043 (FT232RL)	IC, FTDI FT232RL USB to Serial Chip,SSOP-28	619-604-00043		
17		1	P1	AMP	788750-1	CONN,DB9,FEM,THRU HOLE			75C9529
18		1	J1	KEYSTONE	924	CONN,USB,TYPE B		924K-ND	

BCX-X430 REV 3
9500 INPUT MATCH

Item	ALPHA #	Qty	Reference	Manufacturer	Part Name	Description	MOUSER	DIGIKEY
1	CHX-1000-B	2	C7 C29	KEMET	C0805C100K5GAC7800	CAP,CER,10PF,50V,0805+/-10%,COG	C0805C100K5G	
2	CHX-1023-B	5	C2 C4 C9 C19 C25	KEMET	C0805C102K5RAC7800	CAP,1000PF,CHIP,0805,+/-10%,X7R,50v	80-C0805C102K5R	
3	CHX-1034-B	8	C6 C12-14 C16-18 C20	KEMET	C0805C103K5RAC7800	CAP,10NF,CHIP,0805,+/-10%,X7R,50v	80-C0805C103K5R	
4	CHX-1035-C	5	C10 C23-24 C28 C30	VISHAY	VJ1808Y103MXEAT	CAP,CER,10NF,1808,500V,X7R		
5	CMX-1210-A	1	C31			CAP,SM,120pf,500v,THRU HOLE		
6	CMX-1220-A	2	C5 C8			CAP,SM,1200pf,1000v,THRU HOLE		
7	CMX-1510-A	2	C26-27			CAP,SM,150pf,500v,THRU HOLE		
8	CMX-2710-A	2	C21-22			CAP,SM,270pf,500v,THRU HOLE		
9	CMX-2720-A	2	C1 C3			CAP,SM,2700pf,1000v,THRU HOLE		
10	CMX-5610-A	2	C11 C15			CAP,SM,560pf,500vTHRU HOLE		
11	DRA-X002	5	D1-5	ON SEMICONDUCTORS	BAV70LT1	DIODE,DUAL,HIGH SPEED COMMON CATHODE,SOT23		
12	HLX-X220	1	J3		FASTON	CONN,SOLDER TAB,THRU HOLE.		
13	JAX-X310	1	J2	AMP TYCO	1-640456-0	CONN HEADER VERT 10 POS. .100 TIN		A1925-ND
14	JCX-X127	2	J1 J4	KEYSTONE ELECTRONICS	577	CONN,RCA,PCB MOUNT		
15	KDX-X124	5	K1-5			RELAY,DPDT,12V,1AMP CONTACTS		
16	LCX-X101	2	L6 L8	JW MILLER		IND,1mH,THRU HOLE		
17	RFFA-A1010-A	1	R1	ANY VENDOR		RES,MF,1/10W,0805,1%,100		
18	UAX-X031	1	U1	DALLAS	DS18S20Z+	IC THERM MICROLAN HI-PREC 8-SOIC		DS18S20Z+-ND
19		1	L7	ALPHA	IND,7 TURNS 3/8 ID 18AWG	IND,7 TURNS 3/8 ID 18AWG		
20		1	L9	ALPHA	IND,8 TURNS 3/8 ID 18AWG	IND,8 TURNS 3/8 ID 18AWG		
21		1	L5	ALPHA	10 TURNS #24 WIRE ON XCX-X116	IND,TOROIDAL,INPUT INDUCTOR		
22		1	L4	ALPHA	12 TURNS #24 ON XCX-X116	IND,TOROIDAL,INPUT INDUCTOR		
23		1	L3	ALPHA	18 TURNS #24 ON XCX-X116	IND,TOROIDAL,INPUT INDUCTOR		
24		1	L2	ALPHA	20 TURNS #24 WIRE ON XCX-X116	IND,TOROIDAL,INPUT INDUCTOR		
25		1	L1	ALPHA	28 TURNS #24 ON XCX-X116	IND,TOROIDAL,INPUT INDUCTOR		
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**BCX-X434 BOM REV 1
9500 FAN CONTROLLER**

Item	Qty	REF-DES	ALPHA #	PART NUMBER	Description	TOLERANCE	MFG #1	DIGIKEY	MOUSER
1	1	J5	JAX-X303	640456-3	CONN,THRU,BERG TYPE,.1",3 PIN		AMP		571-6404563
2	1	J4		535541-1	CONN,THRU,BERG TYPE,.1",3 PIN,FEMALE		AMP	A26473-ND	
3	1	J3		535541-3	CONNECTOR,.1, 5 POSITIONS,FEMALE		AMP	A26475-ND	
4	1	C2	CHX-1023-B	C0805C102K5RAC7800	CAP,1000PF,CHIP,0805,+/-10%,X7R,50v	50v,+/- 10%	KEMET		80-C0805C102K5R
5	1	C1	CHX-1025-C	VJ1808Y102MXEAT	CAP,CER,1000PF,1808,500V,X7R	20%	VISHAY		
6	2	J1-2	HLX-X220	FASTON	CONN,SOLDER TAB,THRU HOLE.				
7	1	U1		PR26MF21NSZF	Solid State Relays 8-DIP ZC 10mA T/H		Sharp Microelectronics		852-PR26MF21NSZF
8	1	R2		286-360-RC	RES,5W Small Metal Oxide Resistors 360ohms 5% Tol	5%	Xicon		286-360-RC
9	1	R1	RFFA-A3910-C		RES,MF,1/10W,0805,5%,390	5%	KOA		
10	1	TP1	JTX-X101	5000	TERMINAL TESTPOINT RED		KEYSTONE	5000K-ND	