



Assembly

A9500

Qty. Required Description

TPX-X170	1 Alpha 8410, 9500, 8100, 99, 91b 240V 3.5kVA CSS Transformer TPX-X170
ZCX-X155	1 Amp Shipping box
ZFX-X155	1 Custom shipping foam set for ZCX-X155 boxes
MSX-9511	1 Sheet Metal, Wrapper, Top Cover - 9500 - MSX-9511
ZMX-X950	1 Alpha 9500 User's Manual
VTX-X101	1 3CX1500A7 / 8877 Tube - VTX-X101
MSX-9504	1 Sheet Metal, Main Chassis 9500 Rev B
FHX-X102	3 FUSEHOLDER 3AG FLUTED RT ANGLE LITTLEFUSE 03420004H
FSX-X109	2 FUSE 20A/250V Ceramic
FSX-X111	1 FUSE 250V 2A Fast Acting
HLX-X173	1 BNC GRND LUG
MSX-9508	1 Sheet Metal, Transformer Skirt - 9500
MSX-9510	1 Sheet Metal, Transformer Skirt Rear - 9500
MSX-X022	1 Bail 14 W/ 1L 1R FOOT BUCKEY #15000810H001"
SIX-X101	1 SWITCH ROLLER SPDT 15A QC TERM
HSS-4034	7 Screw 6-32 X 1/2 Phil Flathead SS
CKM-1021	1 CAP - .001uF 100V
WXX-X114	1 TUBING TEFLON .148 X .178
HSS-6037	1 10-32 X 3/4 PPSS
HWX-6005	1 #10 INT LW SS
HWX-6001	1 .062 THK-.203 ID-#10 FWSS
HNQ-6123	1 WING NUT
HCX-X103	1 Cable Clamp, .188" (3/16)
MSX-9518	1 Sheet Metal, Molex Bracket - 9500
MSX-9516	1 Sheet Metal, Frame I/O Match - 9500
HCX-X104	1 ALLSTATE CABLE CLAMP .438
HCX-X103	1 Cable Clamp, .188" (3/16)
HNQ-6128	3 BRASS NUT FOR FHX-X102
IHQ-1076	1 Skidpad, Transformer
HNQ-7175	8 ACORN NUT #6
IHQ-1040	1 MTG PAD- CAP 5.25 X 6.5" W/3/
MSX-9507	1 Sheet Metal, Center Partition - 9500
CKX-1522	3 CAP FEED THRU CAP 1500 PF
HLX-X902	1 SOLDER LUG, 1/4", for FEEDTHRU CAP
DRX-X131	1 DIODE rectifier 3.0A
CTX-8211	1 CAP A9500 Air Var Load cap
CTX-9112	1 CAP A9500 Air Var Tune Cap
CZX-2200	1 CAP CAPACITOR

HLX-X150	4 TERMINAL; RING CON -16 -22GA;6
JBX-X113	1 Terminal Block, 4 Term
JBX-X114	1 TERMINAL BLOCKS MARKING STRIP 4 TRM
WWX-X051	6 Wire, 18 white UL STYLE 1430
HXF-X148	3 Standoff Hex 6-32 Thd Alum .750"
HSS-4019	4 Screw, Mach, 6-32 X 5/16, PPSS
MSX-X658	1 MSX-X658_B Crow bar contact spring safety interlock
IHQ-1054	1 HV Crowbar Insulator STNOFF
HNS-5013	1 6-32 SS HEX NUT- SM PATT
WWX-X023	1 Wire, #18 RED 20KV RUBBER
HLX-X136	1 14-16GA .25 FAST-ON BLUE
DLX-X121	2 Opto Sensor
HSN-9000	1 Screw, Nylon, 8-32 X 1/8"
HNS-5013	1 6-32 SS HEX NUT- SM PATT
HSS-4051	1 6-32 X 7/8 PPSS
HWX-4001	1 #6 Int LWSS
HGX-X116	1 GROM .56 OD .37 ID .28THK
HGX-X102	1 HARDWARE RUBBER GROMMET .312
JAX-X742	2 4 PIN 26AWG RECPT
BLX-X116	1 External Muffin Fan, 110V
WWX-X065	2 Wire, #18 UL#1061 BLACK
HLX-X149	2 #10 RING TONGUE TERM RED
WXX-X132	1 1/8" HEATSHRINK TUBING
BLX-X303	1 Grill- Rear Air Intake - 9500
WXX-X132	1 1/8" HEATSHRINK TUBING
WRX-X200	2 CABLE 20 COND ROUND SHIELDED
XCX-X124	2 SOLID CORE FERRITE SUPPRESSORS FOR ROUND CABLE 250 OHMS 100MHz 10.16mm
HLX-X178	2 RING TERM #6 10-12GA WIRE
WXX-X144	1 1/2 SHRINK TUBING FIT22112BKSP"
JFX-X182	2 .100 WIRE MOUNT CONN 20P
JSX-X136	2 .100 WIRE MOUNT CONN 20P STRAIN RELIEF
WXX-X102	1 Tubing, Heat Shrink, 3/16"
WRX-X200	2 CABLE 20 COND ROUND SHIELDED
WXX-X102	1 Tubing, Heat Shrink, 3/16"
HLX-X178	2 RING TERM #6 10-12GA WIRE
WXX-X144	4 1/2 SHRINK TUBING FIT22112BKSP"
XCX-X124	2 SOLID CORE FERRITE SUPPRESSORS FOR ROUND CABLE 250 OHMS 100MHz 10.16mm
JFX-X182	2 .100 WIRE MOUNT CONN 20P
JSX-X136	1 .100 WIRE MOUNT CONN 20P STRAIN RELIEF
JCX-X200	1 1/2 STRAIN RELIEF CORD CONNECTOR-STRAIGHT .310 TO .560 DIA
WPX-X103	8 POWER CORD/9500
HLX-X900	2 FASTON TERMINAL 12-10 AWG
HLX-X901	1 TERMINAL NYLON RING 12-10 AWG #8

HNQ-7180	1 1/2" STEEL LOCKNUT FASTENAL 0700595
XRX-X102	48 RUBBER SHEET - SOLID SILICONE
CDX-1510-A	8 CAP 150PF/8KV/5% DISC
BCX-X168	1 PCB, PAD CAP /86/86A/87A /B
CDX-7502-B	5 CAP 75PF 6KV 10%
IHK-1356	1 Bracket, Disc Cap
VSX-X101	1 SOCKET SK-2210 sockets for 8877
MSX-9520	1 Sheet Metal, Tube Deck - 9500
HLX-217	4 2-HOLE SOLDER LUG
WKX-X103	3 WIRE, #16 T/C BUSS
WXX-X112	5 SLEEVING ON JUMPS
WKX-X103	2 WIRE, #16 T/C BUSS
CDX-2221-C	1 CAP 2200PF 6K VOLTS 20% .375 L.S. RADIAL
WWX-X038	2 Wire, #14 WHITE 600V TEFLON HUE 1419 WE
JMX-X248	1 Plug, Male, RCA
WCX-X105	1 wire, Cable, coaxial, RG-316/U
CHX-1000-B	2 CAP 10PF 50V 0805 SMD Ceramic Chip
CHX-1023-B	5 CAP 0805 SMD CERAMIC CHIP CAP 1000PF 50V X7R 10%
CHX-1034-B	8 CAP 0805 SMD CERAMIC SHIP CAP 0.01UF 50 VOLTS X7R 10%
CHX-1035-C	5 CAP, 10000PF, 1000V, CERAMIC MULTILAYER
CMX-1210-A	1 CAP- 120PF/500V/5% MICA
CMX-1221-A	2 MICA RADIAL LEAD CAP 1200pf 500V 5%
CMX-1510-A	2 CAP- 150PF/500V/5% MICA
CMX-2710-A	2 270pF 500V 5% MICA CAP
CMX-2720-A	2 CAP SM 2700pf 500V 5%
CMX-5610-A	2 MF CAP 560pf 500V 5%
DRA-X002	5 DIODE, DUAL-SMALL SIGNAL \n
HLX-X220	1 LUG PDB MOUNT .250 H/99
JAX-X310	1 MTA .100 CONN 1x10P STRAIGHT POST
JCX-X127	2 PHONO JACK
KDX-X124	5 Relay Input 12 V Aromat
LCX-X102	2 15UH CHOKE
RFFA-A1010-A	1 RES 100 OHMS,1/8 WATT, 1%, 0805
UAX-X031	1 IC THERM MICROLAN HI-PREC 8-SOIC DALLAS SEMICONDUCTOR#DS18S20Z+
LCX-X106	1 VARNISHED RF CHOKES 1.00mH 5% - LCX-X106
BCX-X430	1 PCB, 9500 Input Match
XCX-X116	1 Toroid, T50-6
WMX-X120	1 #24 SOLDERON/155 CV MAGNET WIRE
XCX-X116	1 Toroid, T50-6
WMX-X120	1 #24 SOLDERON/155 CV MAGNET WIRE
XCX-X116	1 Toroid, T50-6
WMX-X120	1 #24 SOLDERON/155 CV MAGNET WIRE
XCX-X116	1 Toroid, T50-6
WMX-X120	1 #24 SOLDERON/155 CV MAGNET WIRE

BCX-X430	1 PCB, 9500 Input Match
HXW-X176	4 SW STD OFF .4-40X1/4 X .105
WMX-X118	1 #18 SOLDERON/130 CV MAGNET WIRE
WMX-X118	1 #18 SOLDERON/130 CV MAGNET WIRE
JMX-X248	1 Plug, Male, RCA
WCX-X105	1 wire, Cable, coaxial, RG-316/U
WWX-X081	15 Wire, #22 WHITE 7-30 UL1061 PVC
WWX-X038	6 Wire, #14 WHITE 600V TEFLON HUE 1419 WE
WWX-X051	7 Wire, 18 white UL STYLE 1430
HLX-X201	2 FASTON TERMINALS FLAG RECPT 22-18 .250 .250 X .032
HLX-X183	4 CONN FASTON FLAG 16-14GA
JAX-X741	2 CONN MTA .156 2 POS PLUG
JAX-X720	6 MTA RECPT 4PIN .100 22AWG
HLX-X137	3 18-22GA .25 QC FASTON RED
HLX-X125	3 14-16GA PGBCK FML QUICK
HLX-X150	4 TERMINAL; RING CON -16 -22GA;6
HLX-X138	2 FASTON TERMINALS PIDG RECPT 22-18 AWG RED
HLX-X136	1 14-16GA .25 FAST-ON BLUE
XCX-X117	1 Multi-Aperture ferrite core
ABX-X429-L	1 ABX-X429 Labor for USB Serial board
ABX-X429-M	1 ABX-X429 USB Serial board Material
ABX-X421-L	1 ABX-X421 I/O Board Assy - 9500 Labor
ABX-X421-M	1 ABX-X421 I/O Board Assy - 9500 Material
HXW-X191-1	1 9500 Wattmeter Center Pin
HXW-X901-1	4 Standoff, Swage, .675"
HXW-X901-2	4 Standoff, Swage, .43"
HXW-X191	12 .750 SWAGE STANDOFF
XCX-X115	2 .655-.685 OD .388-.412ID .240-.260 TORROID 5961004901
MSX-9522	1 Sheet Metal, Input Wattmeter Plate, Alum, 9500
MSX-9528	1 Sheet Metal, Output Wattmeter Cover, Copper, 8410 & 9500
MSX-9513	1 Sheet Metal, Blower Deck (2 parts) - 9500
BLX-X104	1 SQUIRREL CAGE- BLOWER
BLX-X106	1 BLOWER HOUSING
BLX-X126	1 MOTOR BLOWER 120 VOLTS
HNS-5013	1 6-32 SS HEX NUT- SM PATT
HSS-3020	3 Screw, Sheetmetal, 4-24 X 1/4, Self-Tapping
HSS-4019	2 Screw, Mach, 6-32 X 5/16, PPSS
HSS-6010	2 10-32 X 3/8 PFSS UNDERCUT
HWX-4001	2 #6 Int LWSS
MSX-9514	1 Sheet Metal, Blower Motor Bracket - 9500
XAX-X101	0.2 ADHESIVE 3M 4475
XXK-X104	1 tape .750 2 SIDED 36 YDS 45MIL 3M#4611"
XXR-X103	0.064 .250 THK 54"X72" NEOPREN
BLX-X106-F	1 Inlet Ring, Flange

JAX-X740	1 MTA .156 CONNECTORS FRCTN LK HDR STR 1x2P SQUARE POST TIN
HXF-4136	4 Spacer, Nylon, 6-32 Thd, 2"
HWX-4003	7 .031 THK-.156 ID-#6 FWSS
HNS-5013	3 6-32 SS HEX NUT- SM PATT
HXF-4135	4 Standoff, M/F, .25 X 2"
HSS-4019	9 Screw, Mach, 6-32 X 5/16, PPSS
DRX-X136	1 DIODE HV Bridge
WWX-X023	1 Wire, #18 RED 20KV RUBBER
HLX-X183	2 CONN FASTON FLAG 16-14GA
HLX-X137	2 18-22GA .25 QC FASTON RED
HLX-X149	1 #10 RING TONGUE TERM RED
WWX-X051	1 Wire, 18 white UL STYLE 1430
UVX-X019	1 IC VOLTAGE REGULATOR 24V 1.5A
UVX-X021	1 IC VOLTAGE REGULATOR 12V 1A +
UVX-X020	1 IC VOLTAGE REGULATOR -12 1A 4% TO-220
HSS-3012	1 4-40 X 3/16 PPSS
HSS-3010	1 4-40 X 1/8 PPSS
HSS-3024	1 Screw 4-40 X 5/16 Phil Pan SS
HWA-X001	3 .125 ID X .250 OD SP WASH
MHS-X017	1 HEATSINK HARDWARE ALUMINUM OXIDE PAD TO-220
HWX-3013	1 heatsink hardware insulating washer
MSX-8116	1 8100 PS Plate
JFX-X182	2 .100 WIRE MOUNT CONN 20P
JSX-X136	2 .100 WIRE MOUNT CONN 20P STRAIN RELIEF
WRX-X110	1 FLAT CABLE 20 COND 28GA
JFX-X109	1 .084 CONNECTOR RECP 9P 11.0 AMPERES
WWX-X038	9 Wire, #14 WHITE 600V TEFLON HUE 1419 WE
BCX-X434	1 PCB, Circuit Board Bare Fan Controller - 9500
JAX-X303	1 MTA .100 CONN 1x3P STRAIGHT POST
JFX-X910	1 CONN RECEPT 3 POS .100 VERT AU
JFX-X911	1 CONN RECEPT 5 POS .100 VERT AU
CHX-1023-B	1 CAP 0805 SMD CERAMIC CHIP CAP 1000PF 50V X7R 10%
CHX-1025-C	1 CAP 1808 HV ARC GUARD CERAMIC CHIP CAP 100PF 500V 10%
HLX-X220	2 LUG PDB MOUNT .250 H/99
UCX-X190	1 RELAY SOLID STATE 8-DIP ZC 10MA
RFO-G361-C	1 RES, MO, SW, SMALL, 360 OHMS, 5%
RFFA-A3910-C	1 RES 390 OHM 1/8W 1% 0805 SMD
JTX-X101	1 TEST POINT, RED
ABX-X419-M	1 ABX-X419-M Material High Voltage Board Assy 9500
ABX-X419-L	1 ABX-X419 HV Board Assembly Labor
ABX-X420-MAT	1 ABX-X420 Power Supply Mains Board Assy 9500 Material
ABX-X420-L	1 ABX-X420 Power Supply Mains Board Assy 9500 Labor
MSX-9501	1 Sheet Metal, Front Panel - 9500 - MSX-9501
MPX-X200	1 Bezel, 2" x .8", 9500

HSS-3024	32 Screw 4-40 X 5/16 Phil Pan SS
HWX-3003	33 #4 INT LWSS
HXF-X151	1 Standoff, 1/4", M/F
RVK-103-D	1 POT 10K OHM CERM 2W
BCX-X418	1 PCB, Circuit Board Bare Seven Segment Display - 9500
DLX-X126	1 Green 4 digit 7 segment display
CHX-1040-B	1 CAP 0.1UF 50V X7R 10%, 0805
CLA-1060-C	1 CAP TANT LOW ESR 10UF 25V 10% SMD
JTX-X101	3 TEST POINT, RED
RFFA-A1020-A	3 RES 1.00 K1/8W 1% 0805 SMD
RFFA-A1030-A	1 RES 10K OHM 1/8W 1% 0805 SMD
RFFA-A1010-A	1 RES 100 OHMS,1/8 WATT, 1%, 0805
UAX-X012	1 IC DRIVER LED 24-SOIC
JMX-X155	1 .100 PIN STRIP HEADERS 20P
ABX-X422-L	1 ABX-X422 9500 Front Panel Labor
ABX-X422-M	1 ABX-X422 9500 Front Panel Material
JCX-X131	5 Bird-Type Quick Change SO-239 4240-050 UHF Connector
MSX-9517	1 Sheet Metal, Cover I/O Controller - 9500
HSS-4019	20 Screw, Mach, 6-32 X 5/16, PPSS
HWX-3003	20 #4 INT LWSS
HGX-X104	1 GROMMET EDGING NATRL 100'
HGX-X115	1 Grommet
HLX-X109	2 Solder LUG, #6
HNS-5013	11 6-32 SS HEX NUT- SM PATT
HNS-6008	4 10-32 HEX NUT SM PATT
HSS-3026	4 Screw, SS, 4-40 X 5/16", Phil Flathead
HSS-4019	8 Screw, Mach, 6-32 X 5/16, PPSS
HSS-4022	6 6-32 X 5/16 PFSS
HSS-6022	1 10-32 X 1/2 SSPPHMS
HWX-4001	10 #6 Int LWSS
HWX-6005	1 #10 INT LW SS
HWX-6009	1 .062 THK-.194 ID-#10FIBER
IHP-1003	1 STNDOFF .8L .75D DELRIN
IHP-1006	1 STNDOFF 1.2L .75D DELRIN
IHQ-1054	1 HV Crowbar Insulator STNOFF
MDX-X153	2 GEAR/32 PTCH/56T/.25BR/DB
MSX-9519	1 Sheet Metal, Coil Bracket - 9500
WXX-X121	36 TUBING .016 WALL #12 SLVG TEFLON 12SWTEF
MSX-9505	1 Sheet Metal, Front Subchassis - 9500
MSX-9506	1 Sheet Metal, Band Switch Bulkhead - 9500
WXX-X121	1 TUBING .016 WALL #12 SLVG TEFLON 12SWTEF
SWX-X111	4 Band Switch E4C-1003
XXX-X202	13 STRAP Silver Plate .250x24"
XXX-X212	6 .25" X .010" X 24" Silver Plated Strap

XXX-X211	12 Strap, .188 X 24" SLVR PLTD 8OZ
WBX-X104	72 WIRE 1/8 Flat tinned Braid TCFLTBD18"
IHS-1011	1 ROD SS 6x32 5.8" long
HXX-4125	10 0.5" X #5 CERAMIC SPACER
HXX-4126	2 1 x #5 Ceramic Spacer
HXF-4118	2 #6 X .25 OD X .50 AL SPCR
HXF-4158	2 Hex Spacer, .50"
HWX-4010	4 Washer, Fiber, #6
HWX-4005	2 #6 SLWSS
HWX-4001	4 #6 Int LWSS
HWX-4015	24 #6 NYLON FLAT WASHER .OD 5/16
HWX-4021	4 #6 Flat Washer, Large Pattern
HNS-5013	4 6-32 SS HEX NUT- SM PATT
HSS-4034	2 Screw 6-32 X 1/2 Phil Flathead SS
HLX-X109	1 Solder LUG, #6
HNS-5013	1 6-32 SS HEX NUT- SM PATT
HSS-4025	1 6-32 X 3/8 PPSS
HWX-4001	1 #6 Int LWSS
WKX-X107	1 WIRE #12 SILVER PLTD BUSS
XAX-X103	1 ADHESIVE 5-MINUTE EPOXY CLEAR
HXA-X155-A	1 COIL FORM NCC DIE #12252
WWX-X023	1 Wire, #18 RED 20KV RUBBER
HLX-X201	1 FASTON TERMINALS FLAG RECP 22-18 .250 .250 X .032
HRX-X103	1 RETAINING RING, External, 1"
HSS-6007	1 hardware
HNS-6007	1 10-32 LG HEX NUT
HWX-6005	1 #10 INT LW SS
HXC-6105	1 Choke Form, Ceramic\n10-32 X 1" OD X 5.5"
WMX-X120	200 #24 SOLDERON/155 CV MAGNET WIRE
RFL-E101-C	2 RES CERAMIC COMP 100 OHM 2W
XXX-X203	1 .375"X 24" SLVR PLTD 16OZ
CDX-2221-C	3 CAP 2200PF 6K VOLTS 20% .375 L.S. RADIAL
XAX-X103	1 ADHESIVE 5-MINUTE EPOXY CLEAR
XCX-X103	3 2.00 OD X 1.25 ID .50 THK, TORROID CORE, T-200-2 MIMCE
XKX-X102	1 TAPE FIBER GLASS 1/2 IN X 66 3M #27
WKX-X104	1 Wire, Buss, Tinned Copper, #14
WXX-X121	1 TUBING .016 WALL #12 SLVG TEFLON 12SWTEF
IHQ-6019-L	1
JAX-X206	1 Connector, MTA, Recept, 6 pin, red
IHQ-6018	1
JAX-X206	1 Connector, MTA, Recept, 6 pin, red
XTX-X105	11
XXX-X001	2 Copper Strip, .0216" TH, .188" W
XXX-X002	1 copper strip, .25"

XXX-X003	6 Copper Strip, .0216" TH, .375" W
XXX-X005	1 COPPER .032"TH X .50"W 24OZ
IHC-1156-L	1 9500 Tank Coil Silver Plating Process
CDX-2022	7 CAPACITOR .002uF 3KV DISC
HLX-X220	1 LUG PDB MOUNT .250 H/99
LCX-X101	1 Choke 15uH L005
BCX-X412	1 PCB, HV DC FILTER
IHQ-6018-L	1
JAX-X206	1 Connector, MTA, Recept, 6 pin, red
IHQ-6018	1
JAX-X206	1 Connector, MTA, Recept, 6 pin, red
IHQ-6018-L	1
JAX-X206	1 Connector, MTA, Recept, 6 pin, red
IHQ-6018	1
JAX-X206	1 Connector, MTA, Recept, 6 pin, red
MSX-9521	1 Sheet Metal, Bandswitch Encoder Bracket - 9500
APX-X201	1 Switching Power Supply
JAX-X203	1 Connector, MTA, Recept, 3 pin, red
JAX-X904	1 MTA CONNECTOR, 4 PIN, Red
JAX-X903	1
JAX-X720	1 MTA RECPT 4PIN .100 22AWG
HLX-X201	1 FASTON TERMINALS FLAG RECP 22-18 .250 .250 X .032
JAX-X720	1 MTA RECPT 4PIN .100 22AWG
CDX-2221-C	3 CAP 2200PF 6K VOLTS 20% .375 L.S. RADIAL
WWX-X081	4 Wire, #22 WHITE 7-30 UL1061 PVC
RVK-103-D	1 POT 10K OHM CERM 2W
HSN-7001	1 1/4-20 X 2 1/2 NYL CAP FASTENAL#76108
IHT-9501	1
IHT-9502	1
IHT-9503	1
CDX-3900-C	1 Cap, 39PF 20% RADIAL WIRE 2500V
CKD-1021	2 Capacitor: .001uF 3kV
CKM-1021	2 CAP - .001uF 100V
JMX-X248	1 Plug, Male, RCA
WCX-X105	1 wire, Cable, coaxial, RG-316/U
JMX-X248	1 Plug, Male, RCA
WCX-X105	1 wire, Cable, coaxial, RG-316/U
HLX-X222	1 #4 SOLDER LUG- 2 HOLE
HSS-3016	1 4-40 X 1/4 PPSS
WXX-X132	1 1/8" HEATSHRINK TUBING
WXX-X114	1 TUBING TEFLON .148 X .178
JFX-X130 JMX- X232 WWX-X081	1 1 4 1 1 2 2 1 D-SUB CONNECTORS 9P FEMALE D-SUB CONNECTORS 9POS MALE Wire, #22 WHITE 7-30 UL1061 PVC Made in the USA label USB 2.0 PANEL-MOUNT B(F) TO B(M) MTA RECPT 4PIN .100 22AWG Wire, #22

