

611-70A
Channelized Signal Booster

PART NUMBER	QTY	DESCRIPTION
1-22682	1	SUPPORT BRACKET, RIGHT OPEN RACK 19"
1-22683	1	SUPPORT BRACKET, LEFT OPEN RACK 19"
3-9774	1	COMBLINE PRESELECT 406-490MHZ
3-18317-1	1	ISOLATOR COMBINER 5-WAY
8-23026	1	FILTER, LOW PASS 600MHZ
8-6082	20	10-32 x 1-2 SS THMS
1-22357	2	FRONT PANEL, MODULE DUMMY SLOT
1-22700	2	COVER, TOP & BOTTOM
1-22701	1	COVER, BACK
1-22712	2	FAN GUARD
1-22725	2	COVER, SIDE
3-22322	3	DSP CHANNEL MODULE ASSY, 450-470 MHz
3-23231		DSP CHANNEL MODULE ASSY 470-491 MHz
3-23232		DSP CHANNEL MODULE ASSY 491-512 MHz
3-22352	1	CB MODULE, CAGE ASSY
3-22376	1	POD ASSY, ACTIVE COMBINER PA
3-22380	2	SUB ASSY, SPLITTER & DISTRIBUTION AMP
3-22684	1	REAR FRAME ASSY CHANNELIZED BOOSTER
3-22686	1	POD ASSY, POWER AND CONTROL
5A2125-8	1	Terminal Block, Feed-thru, 8 position
5A2790-12	18	Collar, Screw pozidrive M2.5 x 12.3
5A2790-13	4	Screw, TORX countersunk M2.5 x 7.3
5A2790-20	4	Sleeve
8-16135	2	6-32 x 3-8" PHILLIPS PHMSBLACK ZINC
8-22155	6	M5 BELLEVILLE WASHER SS SERRATED BOTH SIDES
8-22257	4	8-32 x .750 SHCS
8-22364	14	#6 BELLEVILLE WASHER SERRATED BOTH SIDES STEEL BLACK FINISH
8-22365	8	M4 BELLEVILLE WASHER SERRATED BOTH SIDES STEEL BLACK FINISH
8-22369	8	M4 x 0.7 x 10 MM SHCS, STEEL BLACK OXIDE
8-22370	96	6-32 x .312 FHMS, UNDERCUTHEAD, PHILLIPS SS

611-70A
Channelized Signal Booster

PART NUMBER	QTY	DESCRIPTION
8-22668	6	10-32 x .375 SHCS, STEEL BLACK OXIDE
8-22669	12	6-32 x .312 SHCS, STEEL BLACK OXIDE
8-22689	2	CABLE ASSY, RJ45 JACK & PLUG
8-22691	1	POWER ENTRY MODULE
8-22694	1	JFA TAB HOUSING CONTACT
8-22695	1	JFA CONNECTOR TAB HOUSING, PANEL MOUNT
8-22707	3	CONN SMB FML, JACK BULKHEAD, RG-316
8-22709	10	CONNECTOR, TNC FEMALE BULKHEAD, RG-316
8-22711	2	CONNECTOR, RJ-45 PANEL MOUNT, JACK
8-5872	1	31-318 BNC FML BLKHD FOR RG-188 TR
8-6017	8	#8-32 SS KEP NUT (TITELOK)
8-6023	4	NO. 8 SS FLAT WASHER
8-6154	2	4-40 X 5-16 SS PHMS PHILLIPS LIGHT NYLON PATCH
8-6198	4	8-32 x 1/2 SS SOCKET HD CAP SCREW

3-4085
UHF Resonator Assembly for 3-9774

PART NUMBER	QTY	DESCRIPTION
1-3170	1	CAPACITIVE TUN SLEEVE, UHF INTERDIGITAL
1-3171	1	RESONATOR COMP SECTION UHF COMBLINE
1-4375	1	RESONATOR BODY, UHF COMBLINE FILTER

3-9774
Comblne Preselector 406-490 MHz

PART NUMBER	QTY	DESCRIPTION
1-0082	8	CONTACT FINGER SECTION 1-8" DIA TUN ROD
1-12281	2	4-40 SILVER PLATED BRASS HEX NUT
1-1585	7	CONTACT FINGER SECTION 1-4" TUNE RODS
1-3200	7	TUNING ROD 2" VN CAVITY 1-4" DIA BR ROD
1-5691	4	NUT BAR (FOR UHF COMBLINE)
1-5698	2	END COVER UHF COMBLINE PRESELECTORS
1-6408	8	TUNING ROD, 1-8"DIA x 3" LONG BR SIL PLT

3-9774
Comblne Preselector 406-490 MHz

PART NUMBER	QTY	DESCRIPTION
1-9720	1	CHASSIS LAYOUT UHF COMB LINE 2-4 MHz W-DUAL NTCH
3-4085	8	RESONATOR ASSY, UHF COMBLINE
8-5886	2	CONN N FML FLANG BLKHD SILVER W-GOLD PIN
8-6002	2	4-40 x 3-8 SS BHMS LIGHT NYLON PATCH
8-6010	7	SHAFTLOCK,1-4"W-HEX NUT,.255"+.002,-.000
8-6012	8	SHAFTLOCK 1-8" NICKEL PLATED
8-6024	8	NO.10 SS FLAT WASHER, MS 8-6024
8-6135	12	10-32 x 1-2 SS PHILLIPS THMS LIGHT NYLON PATCH
8-6173	8	10-32 X 5-8 SS TRIMMED HHMS not indented LIGHT NYLON PATCH
8-6305	16	6-32 x 1-2" SS HHMS,INDENTED LIGHT NYLON PATCH
8-7222	0.2916	COPPER STRIP .020" x .250" WIDE SIL PLTD
8-7359	2	TEFLON WASHER, .132 ID x .375 OD x .062
8-7439	8	4-40 x 5-16 SS PHILLIPS BINDING HD MS LIGHT NYLON PATCH

3-18317-1
Isolator Combiner 5-Way

PART NUMBER	QTY	DESCRIPTION
1-16911	1	COVER FOR 5-WAY INTEGRATED ISO-COMBINER
1-16972	1	HEATSINK 5-WAY ISO-COMBINER
1-17205-1	2	COVER, SIDE FOR PWR DVDRSTYPE I
1-17544-1	1	CHASSIS 5W INTEGRATED ISO-CMBNR RADITEK
4-16673	1	CKT BD, COUPLING STRIP -7dB COUPLER
4-17545	1	CIRCUIT BD 5W INTEGRATED ISO-CBMR RADITE
8-16843	6	CONN TNC PRESS-IN DELTA #1220-000-Q911-3
8-17378	5	ISOLATOR DROP-IN 30W 460-486 MHz
8-5328	4	20 WATT, 50 OHM FLANGED TERMINATION
8-5665_A	0	HEAT SINK COMPOUND, WAKEFIELD#120-8(8oz)
8-6080	10	10-32 x 1-2 SS SHCS LIGHT NYLON PATCH
8-6833_A	3	3 db HYBRID COUPLER ANAREN #XC0450L-03

3-18317-1
Isolator Combiner 5-Way

PART NUMBER	QTY	DESCRIPTION
8-7438	56	4-40 x 1-4 SS BHMS PHILLIPS LIGHT NYLON PATCH
8-7440	16	4-40 x 3-8 SS PHILLIPS BINDING HD MS LIGHT NYLON PATCH
8-7441	20	4-40 x 1-2 SS PHILLIPS BINDING HD MS LIGHT NYLON PATCH

3-22295
PCBA, LED Channel Module

PART NUMBER	QTY	DESCRIPTION
4-22296	1	PCB, LED Channel Module
5A2410-2G	10	Pin, Receptacle
6A1495-4	4	LED, SMT Standard, Green
6A1495-9	2	LED, SMT, BiColor, Red/Green, 1210
6A304-1650-F	8	Resistor,Chip 165 1% 0603 50V 1/10W Thick Film
6A405-104-KR1H	2	Capacitor, Ceramic Chip 0.1uF 10% 0603 50V X7R

3-22297
PCBA, Control Board

PART NUMBER	QTY	DESCRIPTION
4-22298	1	PCB, Bare Control Board Channel Booster
5-1723-8	1	Connector,Header,Shrouded2x12 (24 pin) .100 x .100
5A2045-3	1	Terminal, Block, Sub-min 3 pin
5A2319-1	1	Connector, BNC(f) PCB Right Angle Jack
5A2458-2V-100	1	Connector, Header Friction Lock 2 position Vertical
5A2482-1	4	Connector, SMB, PCB Mount
5A2538-11	1	Connector, Sub-D Right Angle female 9 pin
5A2631-1	1	Connector USB Type B 4 Pin
5A2691-2	1	IC, Ethernet Module, w/ Encryption
5A2694-3	2	Connector, RJ-45 Vertical
6A1008-4	5	Diode, Schottky BAT54S series
6A1009-2	1	Diode, Schottky Barrier SERIES MBRS
6A1493-1	1	LED, SMD Pilot Light
6A1715-1	3	Transistor, MOSFET-N
6A2075-3	1	IC,Inverter, Triple Gate High Speed
6A2159-1	1	IC EPROM, Flash SPI 1Mb
6A2162-10	1	IC, Microcontroller 8-bit
6A2312-1	1	IC, RS232 Line Driver/ Receiver
6A2357-1	1	IC, Bus Extended, I2C
6A2908-1	1	IC Dual USB Port TVS 8-TSSOP
6A2930-1	1	IC, Buffer Clock, PCI-X,142Mhz

3-22297
PCBA, Control Board

PART NUMBER	QTY	DESCRIPTION
6A304-0R0-J	3	Resistor,Chip 0 5% 0603 50V 1/10W Thick Film
6A304-0R0-J	3	Resistor,Chip 0 5% 0603 50V 1/10W Thick Film
6A304-1003-F	2	Resistor,Chip 100K 1% 0603 50V 1/10W Thick Film
6A304-1501-F	1	Resistor,Chip 1.50K 1% 0603 50V 1/10W Thick Film
6A304-1622-F	1	Resistor,Chip 16.2K 1% 0603 50V 1/10W Thick Film
6A304-1651-F	1	Resistor,Chip 1.65K 1% 0603 50V 1/10W Thick Film
6A304-2151-F	1	Resistor,Chip 2.15K 1% 0603 50V 1/10W Thick Film
6A304-33R2-F	6	Resistor,Chip 33.2 1% 0603 50V 1/10W Thick Film
6A304-4321-F	4	Resistor,Chip 4.32K 1% 0603 50V 1/10W Thick Film
6A304-4993-F	1	Resistor,Chip 499K 1% 0603 50V 1/10W Thick Film
6A304-5113-F	1	Resistor,Chip 511K 1% 0603 50V 1/10W Thick Film
6A304-6042-F	1	Resistor,Chip 60.4K 1% 0603 50V 1/10W Thick Film
6A306-1001-F	2	Resistor,Chip 1.00K 1% 0805 150V 1/8W Thick Film
6A306-1002-F	6	Resistor,Chip 10.0K 1% 0805 150V 1/8W Thick Film
6A306-1005-F	1	Resistor,Chip 10M 1% 0805 150V 1/8W Thick Film
6A306-1500-F	2	Resistor,Chip 150 1% 0805 150V 1/8W Thick Film
6A306-1651-F	2	Resistor,Chip 1.65K 1% 0805 150V 1/8W, Thick Film
6A306-2002-F	2	Resistor,Chip 20.0K 1% 0805 150V 1/8W Thick Film
6A306-2003-F	1	Resistor,Chip 200K 1% 0805 150V 1/8W Thick Film
6A306-3010-F	2	Resistor,Chip 301 1% 0805 150V 1/8W Thick Film
6A306-3012-F	1	Resistor,Chip 30.1K 1% 0805 150V 1/8W Thick Film
6A306-5112-F	1	Resistor,Chip 51.1K 1% 0805 150V 1/8W Thick Film
6A3073-2	2	IC Voltage Regulator 26V, 1.5A High Current, Low Dropout
6A321-103-J10E	1	Resistor Network 10K 5% 2512
6A3284-1	1	IC, Regulator, Switching, 2.8MHz Step-Down

3-22297
PCBA, Control Board

PART NUMBER	QTY	DESCRIPTION
6A3287-1	1	IC, Regulator, Linear LDO, Ultra-Low Noise, Hi PSRR, 1A
6A405-331-JO1E	1	Capacitor, Ceramic Chip 330pF 5% 0603 25V NPO
6A405-474-K51A	2	Capacitor, Ceramic Chip .47uF 10% 0603 10V X5R
6A406-102-KR1H	4	Capacitor, Ceramic Chip 1000pF 10% 0805 50V X7R
6A406-103-KR1H	1	Capacitor, Ceramic Chip 0.01uF 10% 0805 50V X7R
6A406-104-KR1H	21	Capacitor, Ceramic Chip 0.1uF 10% 0805 50V X7R
6A406-105-ZV1C	1	Capacitor, Ceramic Chip 1.0uF +80/20% 0805 16V Y5V
6A406-106-K51A	4	Capacitor, Ceramic Chip 10uF 10% 0805 10V X5R
6A406-150-JO1H	1	Capacitor, Ceramic Chip 15pF 5% 0805 50V NPO
6A406-225-KR1A	1	Capacitor, Ceramic Chip 2.2uF 10V 10% 0805 X7R
6A406-300-JO1E	2	Capacitor, Ceramic Chip 30pF 5% 0805 25V NPO
6A409-474-KR1H	1	Capacitor, Ceramic Chip 0.47uF 10% 1812 50V X7R
6A421-475-K1A	2	Capacitor, Chip 4.7uF 10% B/TANT 10V Tantalum Electrolytic
6A423-475-M1V	1	Capacitor, Chip 4.7uF 20% D/TANT 35V Tantalum Electrolytic
6A429-226-M1V	4	Capacitor, Tantalum 22uF 20% 7343/TANT 35V Low ESR
6A434-226-M1H	2	Capacitor, Electrolytic 22uF 20% 50V Aluminum, High CV
6A642-1	35	Filter, Chip Bead 0603
6A642-1	35	Filter, Chip Bead 0603
6A657-1	4	Ferrite, Filter, Chip
6A657-1	4	Ferrite, Filter, Chip
6A670-702-N4	3	Inductor, Power MSS Series 7uH 30%
6A703-10	1	Crystal, HC-49/SMD 4.000 MHz
6A719-106-1	1	Oscillator, OCXO 10MHz
6A719-106-1	1	Oscillator, OCXO 10MHz
6A730-6	1	Relay, 2 form C
6A762-203	1	Header, 3-Pin, Dual row 3x2
6A783-1	1	Switch Tact Momentary SPST J-Lead
6A822-04-1	1	Connector, Receptacle 1.27mm
8-19740	1	LIGHT PIPE 90 DEGREES .25CENTERLINE

3-22302
PCBA, Up Converter

PART NUMBER	QTY	DESCRIPTION
1-22317-1	1	Shield, Fence, Up Converter PCBA
1-22317-2	1	Shield, Cover, Up Converter PCBA
4-22303	1	PCB, Bare up-converter
6A1062-1	1	Mixer, Active High Linearity
6A1715-1	4	Transistor, MOSFET-N
6A1735-1	2	Transistor, mosFET P-channel
6A304-2211-F	2	Resistor,Chip 2.21K 1% 0603 50V 1/10W Thick Film
6A304-6811-F	2	Resistor,Chip 6.81K 1% 0603 50V 1/10W Thick Film
6A306-0R0-J	2	Resistor,Chip 0 5% 0805 150V 1/8W Thick Film
6A306-0R0-J	2	Resistor,Chip 0 5% 0805 150V 1/8W Thick Film
6A306-1150-F	2	Resistor,Chip 115 1% 0805 150V 1/8W Thick Film
6A306-1R82-F	2	Resistor,Chip 1.82 1% 0805 150V 1/8W Thick Film
6A306-2051-F	2	Resistor,Chip 2.05K 1% 0805 150V 1/8W Thick Film
6A306-2210-F	4	Resistor,Chip 221 1% 0805 150V 1/8W Thick Film
6A306-2210-F	4	Resistor,Chip 221 1% 0805 150V 1/8W Thick Film
6A306-51R1-F	1	Resistor,Chip 51.1 1% 0805 150V 1/8W Thick Film
6A306-6342-F	2	Resistor,Chip 63.4K 1% 0805 150V 1/8W Thick Film
6A306-68R1-F	1	Resistor,Chip 68.1 1% 0805 150V 1/8W Thick Film
6A3085-1	2	I.C., OP-AMP, Rail to Rail I/O
6A3086-3	1	Amplifier, Monolithic DC- 8 GHz
6A3223-1	2	Amplifier MMIC, DC-4GHz 20 dB, 5V, 82mA +18 P1dB, SOT89 Pkg
6A3285-1	2	IC, Regulator, LDO, Hi PSRR adjustable
6A3285-5R0	3	IC, Regulator, LDO, Hi PSRR 5.0V
6A3285-5R0	3	IC, Regulator, LDO, Hi PSRR 5.0V
6A3350-1	1	IC, Amp., HBT Gain Block
6A3350-1	1	IC, Amp., HBT Gain Block
6A405-104-MU1E	6	Capacitor, Ceramic Chip 0.1uF 20% 0603 25V Z5U
6A405-104-MU1E	6	Capacitor, Ceramic Chip 0.1uF 20% 0603 25V Z5U
6A405-104-MU1E	6	Capacitor, Ceramic Chip 0.1uF 20% 0603 25V Z5U
6A406-102-JO1E	4	Capacitor, Ceramic Chip 1000pF 5% 0805 25V NPO

3-22302
PCBA, Up Converter

PART NUMBER	QTY	DESCRIPTION
6A406-102-JO1E	4	Capacitor, Ceramic Chip 1000pF 5% 0805 25V NPO
6A406-102-JO1E	4	Capacitor, Ceramic Chip 1000pF 5% 0805 25V NPO
6A406-103-KR1H	1	Capacitor, Ceramic Chip 0.01uF 10% 0805 50V X7R
6A406-104-MU1E	1	Capacitor, Ceramic Chip 0.1uF 20% 0805 25V Z5U
6A406-105-ZV1C	6	Capacitor, Ceramic Chip 1.0uF +80/20% 0805 16V Y5V
6A406-105-ZV1C	6	Capacitor, Ceramic Chip 1.0uF +80/20% 0805 16V Y5V
6A406-105-ZV1C	6	Capacitor, Ceramic Chip 1.0uF +80/20% 0805 16V Y5V
6A406-221-JO1H	23	Capacitor, Ceramic Chip 220pF 5% 0805 50V NPO
6A406-225-KR1A	9	Capacitor, Ceramic Chip 2.2uF 10V 10% 0805 X7R
6A406-225-KR1A	9	Capacitor, Ceramic Chip 2.2uF 10V 10% 0805 X7R
6A406-225-KR1A	9	Capacitor, Ceramic Chip 2.2uF 10V 10% 0805 X7R
6A406-271-JO1H	3	Capacitor, Ceramic Chip 270pF 1% 0805 50V NPO
6A406-5R0-CO1E	2	Capacitor, Ceramic Chip 5.0pF +/-0.25pF 0805 25V NPO
6A406-6R8-JO1E	1	Capacitor, Ceramic Chip 6.8pF 5% 0805 25V NPO
6A406-822-KR1E	4	Capacitor, Ceramic Chip 8200pF 10% 0805 25V X7R
6A606-121-J	1	Inductor, Chip 120nH 5% 0603
6A606-240-J	1	Inductor, Chip 24nH 5% 0603 WW
6A606-331-J	4	Inductor, Chip 330nH 5% 0603
6A606-331-J	4	Inductor, Chip 330nH 5% 0603
6A606-471-J1	1	Inductor, 470nH 5% 0603 WW
6A606-471-J1	1	Inductor, 470nH 5% 0603 WW
6A610-221-KS	2	Inductor, Chip 220 NH 2825 Precision
6A610-221-KS	2	Inductor, Chip 220 NH 2825 Precision
6A610-391-JS	2	Inductor, Chip 390 nH 5% 2520
6A612-330-J	2	Inductor, Chip, 33 nH 5% 0805
6A612-330-J	2	Inductor, Chip, 33 nH 5% 0805
6A630-1	1	Transformer, RF, SMD
6A637-1	1	Transformer, RF 4kHz-800MHz
6A637-2	1	Transformer, RF 200-1400 MHz
6A643-10D	1	Filter, Low Pass DC-80 MHz
6A643-9	1	Filter, Low Pass DC-630 MHz
6A652-4	1	Filter, Bandpass 292-490MHz
6A699-122-J	2	Inductor, Chip 1200nH 5% 1206
6A742-2	1	Crossover, PCB

3-22302
PCBA, Up Converter

PART NUMBER	QTY	DESCRIPTION
6A772-20-3G-1	1	Connector, Receptacle, Low-Profile 20 position
6A774-1	5	Connector, Receptacle Pin SMT
6A802-10	4	Connector, Termination Coaxial MMCX
6A802-10	4	Connector, Termination Coaxial MMCX
8-22287	1	UHF FILTER, 450-470 MHz
8-22289	1	SAW FILTER, 70 MHz (MIN DELAY RIPPLE)
NO-STUFF	5	"do not place" placeholder

3-22304
PCBA, Up Converter

PART NUMBER	QTY	DESCRIPTION
1-22317-1	1	Shield, Fence, Up Converter PCBA
1-22317-2	1	Shield, Cover, Up Converter PCBA
4-22303	1	PCB, Bare up-converter
6A1062-1	1	Mixer, Active High Linearity
6A1715-1	4	Transistor, MOSFET-N
6A1735-1	2	Transistor, mosFET P-channel
6A304-2211-F	2	Resistor,Chip 2.21K 1% 0603 50V 1/10W Thick Film
6A304-6811-F	2	Resistor,Chip 6.81K 1% 0603 50V 1/10W Thick Film
6A306-0R0-J	2	Resistor,Chip 0 5% 0805 150V 1/8W Thick Film
6A306-1150-F	2	Resistor,Chip 115 1% 0805 150V 1/8W Thick Film
6A306-1R82-F	2	Resistor,Chip 1.82 1% 0805 150V 1/8W Thick Film
6A306-2051-F	2	Resistor,Chip 2.05K 1% 0805 150V 1/8W Thick Film
6A306-2210-F	4	Resistor,Chip 221 1% 0805 150V 1/8W Thick Film
6A306-51R1-F	1	Resistor,Chip 51.1 1% 0805 150V 1/8W Thick Film
6A306-6342-F	2	Resistor,Chip 63.4K 1% 0805 150V 1/8W Thick Film
6A306-68R1-F	1	Resistor,Chip 68.1 1% 0805 150V 1/8W Thick Film
6A3085-1	2	IC, OP-AMP, Rail to Rail I/O
6A3086-3	1	Amplifier, Monolithic DC- 8 GHz
6A3223-1	2	Amplifier MMIC, DC-4GHz 20 dB, 5V, 82mA +18 P1dB, SOT89 Pkg
6A3285-1	2	IC, Regulator, LDO, Hi PSRR adjustable
6A3285-5R0	3	IC, Regulator, LDO, Hi PSRR 5.0V
6A3350-1	1	IC, Amp., HBT Gain Block
6A405-104-MU1E	6	Capacitor, Ceramic Chip 0.1uF 20% 0603 25V Z5U

3-22304
PCBA, Up Converter

PART NUMBER	QTY	DESCRIPTION
6A406-102-JO1E	4	Capacitor, Ceramic Chip 1000pF 5% 0805 25V NPO
6A406-103-KR1H	1	Capacitor, Ceramic Chip 0.01uF 10% 0805 50V X7R
6A406-104-MU1E	1	Capacitor, Ceramic Chip 0.1uF 20% 0805 25V Z5U
6A406-105-ZV1C	6	Capacitor, Ceramic Chip 1.0uF +80/20% 0805 16V Y5V
6A406-221-JO1H	23	Capacitor, Ceramic Chip 220pF 5% 0805 50V NPO
6A406-225-KR1A	9	Capacitor, Ceramic Chip 2.2uF 10V 10% 0805 X7R
6A406-271-JO1H	3	Capacitor, Ceramic Chip 270pF 1% 0805 50V NPO
6A406-5R0-CO1E	2	Capacitor, Ceramic Chip 5.0pF +/-0.25pF 0805 25V NPO
6A406-6R8-JO1E	1	Capacitor, Ceramic Chip 6.8pF 5% 0805 25V NPO
6A406-822-KR1E	4	Capacitor, Ceramic Chip 8200pF 10% 0805 25V X7R
6A606-121-J	1	Inductor, Chip 120nH 5% 0603 WW
6A606-240-J	1	Inductor, Chip 24nH 5% 0603 WW
6A606-331-J	4	Inductor, Chip 330nH 5% 0603 WW
6A606-471-J1	1	Inductor, Chip 470nH 5% 0603 WW
6A610-221-KS	2	Inductor, Chip 220nH 10% 2520
6A610-391-JS	2	Inductor, Chip 390nH 5% 2520
6A612-330-J	2	Inductor, Chip, 33 nH 5% 0805
6A630-1	1	Transformer, RF, SMD
6A637-1	1	Transformer, RF 4kHz-800MHz
6A637-2	1	Transformer, RF 200-1400 MHz
6A643-10D	1	Filter, Low Pass DC-80 MHz
6A643-9	1	Filter, Low Pass DC-630 MHz
6A652-4	1	Filter, Bandpass 292-490MHz
6A699-122-J	2	Inductor, Chip 1200nH 5% 1206
6A742-2	1	Crossover, PCB
6A772-20-3G-1	1	Connector, Receptacle, Low-Profile 20 position
6A774-1	5	Connector, Receptacle Pin SMT
8-22289	1	SAW FILTER, 70 MHz (MIN DELAY RIPPLE)
8-22305	1	UHF FILTER, 470-491 MHz
NO-STUFF	9	"do not place" placeholder

3-22306
PCBA, Up Converter

PART NUMBER	QTY	DESCRIPTION
1-22317-1	1	Shield, Fence, Up Converter PCBA
1-22317-2	1	Shield, Cover, Up Converter PCBA

3-22306
PCBA, Up Converter

PART NUMBER	QTY	DESCRIPTION
4-22303	1	PCB, Bare up-converter
6A1062-1	1	Mixer, Active High Linearity
6A1715-1	4	Transistor, MOSFET-N
6A1735-1	2	Transistor, mosFET P-channel
6A304-2211-F	2	Resistor,Chip 2.21K 1% 0603 50V 1/10W Thick Film
6A304-6811-F	2	Resistor,Chip 6.81K 1% 0603 50V 1/10W Thick Film
6A306-0R0-J	2	Resistor,Chip 0 5% 0805 150V 1/8W Thick Film
6A306-1150-F	2	Resistor,Chip 115 1% 0805 150V 1/8W Thick Film
6A306-1R82-F	2	Resistor,Chip 1.82 1% 0805 150V 1/8W Thick Film
6A306-2051-F	2	Resistor,Chip 2.05K 1% 0805 150V 1/8W Thick Film
6A306-2210-F	4	Resistor,Chip 221 1% 0805 150V 1/8W Thick Film
6A306-51R1-F	1	Resistor,Chip 51.1 1% 0805 150V 1/8W Thick Film
6A306-6342-F	2	Resistor,Chip 63.4K 1% 0805 150V 1/8W Thick Film
6A306-68R1-F	1	Resistor,Chip 68.1 1% 0805 150V 1/8W Thick Film
6A3085-1	2	IC, OP-AMP, Rail to Rail I/O
6A3086-3	1	Amplifier, Monolithic DC- 8 GHz
6A3223-1	2	Amplifier MMIC, DC-4GHz 20 dB, 5V, 82mA +18 P1dB, SOT89 Pkg
6A3285-1	2	IC, Regulator, LDO, Hi PSRR adjustable
6A3285-5R0	3	IC, Regulator, LDO, Hi PSRR 5.0V
6A3350-1	1	IC, Amp., HBT Gain Block
6A405-104-MU1E	6	Capacitor, Ceramic Chip 0.1uF 20% 0603 25V Z5U
6A406-102-JO1E	4	Capacitor, Ceramic Chip 1000pF 5% 0805 25V NPO
6A406-103-KR1H	1	Capacitor, Ceramic Chip 0.01uF 10% 0805 50V X7R
6A406-104-MU1E	1	Capacitor, Ceramic Chip 0.1uF 20% 0805 25V Z5U
6A406-105-ZV1C	6	Capacitor, Ceramic Chip 1.0uF +80/20% 0805 16V Y5V
6A406-221-JO1H	23	Capacitor, Ceramic Chip 220pF 5% 0805 50V NPO
6A406-225-KR1A	9	Capacitor, Ceramic Chip 2.2uF 10V 10% 0805 X7R
6A406-271-JO1H	3	Capacitor, Ceramic Chip 270pF 1% 0805 50V NPO
6A406-5R0-CO1E	2	Capacitor, Ceramic Chip 5.0pF +/-0.25pF 0805 25V NPO

3-22306
PCBA, Up Converter

PART NUMBER	QTY	DESCRIPTION
6A406-6R8-JO1E	1	Capacitor, Ceramic Chip 6.8pF 5% 0805 25V NPO
6A406-822-KR1E	4	Capacitor, Ceramic Chip 8200pF 10% 0805 25V X7R
6A606-121-J	1	Inductor, Chip 120nH 5% 0603 WW
6A606-240-J	1	Inductor, Chip 24nH 5% 0603 WW
6A606-331-J	4	Inductor, Chip 330nH 5% 0603 WW
6A606-471-J1	1	Inductor, Chip 470nH 5% 0603 WW
6A610-221-KS	2	Inductor, Chip 220nH 10% 2520
6A610-391-JS	2	Inductor, Chip 390nH 5% 2520
6A612-330-J	2	Inductor, Chip, 33 nH 5% 0805
6A630-1	1	Transformer, RF, SMD
6A637-1	1	Transformer, RF 4kHz-800MHz
6A637-2	1	Transformer, RF 200-1400 MHz
6A643-10D	1	Filter, Low Pass DC-80 MHz
6A643-9	1	Filter, Low Pass DC-630 MHz
6A652-4	1	Filter, Bandpass 292-490MHz
6A699-122-J	2	Inductor, Chip 1200nH 5% 1206
6A742-2	1	Crossover, PCB
6A772-20-3G-1	1	Connector, Receptacle Low-Profile 20 position
6A774-1	5	Connector, Receptacle Pin SMT
8-22289	1	SAW FILTER, 70 MHz (MIN DELAY RIPPLE)
8-22307	1	UHF FILTER, 491-512 MHz
NO-STUFF	9	"do not place" placeholder

3-22308
PCBA, Down Converter

PART NUMBER	QTY	DESCRIPTION
1-22314-1	1	Shield, Fence, Down Converter PCBA
1-22314-2	1	Shield, Cover, Down Converter PCBA
4-22309	1	PCB, bare 405-512 MHz down converter
6A1062-2	1	Mixer, Active High Linearity
6A1491-12	2	LED, SOT 23 Green
6A2913-1	2	Attenuator, Digital
6A303-1002-F	2	Resistor,Chip 10.0K 1% 0402 25V 1/16W Thick Film
6A303-2200-F	2	Resistor,Chip 220 1% 0402 25V 1/16W Thick Film
6A303-5R11-F	2	Resistor,Chip 5.11 1% 0402 25V 1/16W Thick Film
6A304-1050-F	1	Resistor,Chip 105 1% 0603 50V 1/10W Thick Film
6A304-10R0-F	2	Resistor,Chip 10.0 1% 0603 50V 1/10W Thick Film

3-22308
PCBA, Down Converter

PART NUMBER	QTY	DESCRIPTION
6A304-3240-F	1	Resistor,Chip 324 1% 0603 50V 1/10W Thick Film
6A304-34R8-F	1	Resistor,Chip 34.8 1% 0603 50V 1/10W Thick Film
6A306-0R0-J	2	Resistor,Chip 0 5% 0805 150V 1/8W Thick Film
6A306-0R0-J	2	Resistor,Chip 0 5% 0805 150V 1/8W Thick Film
6A306-0R0-J	2	Resistor,Chip 0 5% 0805 150V 1/8W Thick Film
6A306-1000-F	1	Resistor,Chip 100 1% 0805 150V 1/8W Thick Film
6A306-1001-F	1	Resistor,Chip 1.00K 1% 0805 150V 1/8W Thick Film
6A306-1001-F	1	Resistor,Chip 1.00K 1% 0805 150V 1/8W Thick Film
6A306-1001-F	1	Resistor,Chip 1.00K 1% 0805 150V 1/8W Thick Film
6A306-4991-F	1	Resistor,Chip 4.99K 1% 0805 150V 1/8W Thick Film
6A306-4991-F	1	Resistor,Chip 4.99K 1% 0805 150V 1/8W Thick Film
6A3086-1	1	Amplifier, DC-8GHz Monolithic
6A3107-1	1	IC, Voltage Comparator, Dual 4ns 150Mhz
6A3218-1	1	IC, Amp, Wideband
6A3285-3R3	1	IC, Regulator, LDO, Hi PSRR 3.3V
6A3285-5R0	2	IC, Regulator, LDO, Hi PSRR 5.0V
6A3285-5R0	2	IC, Regulator, LDO, Hi PSRR 5.0V
6A3353-1	1	IC, Amp, Variable-Gain w/ AGC Detector
6A404-102-KR1H	2	Capacitor, Ceramic Chip 1000pF 10% 0402 50V X7R
6A404-120-JO1E	2	Capacitor, Ceramic Chip 12pF 5% 0402 25V NPO
6A404-8R2-BO1H	2	Capacitor, Ceramic Chip 8.2pF +/-0.1pf 0402 50V NPO
6A405-103-KR1C	2	Capacitor, Ceramic Chip 0.01uF 10% 0603 16V X7R
6A405-103-KR1H	5	Capacitor, Ceramic Chip 0.01uF 10% 0603 50V X7R
6A405-104-KR1H	14	Capacitor, Ceramic Chip 0.1uF 10% 0603 50V X7R
6A405-331-JO1E	3	Capacitor, Ceramic Chip 330pF 5% 0603 25V NPO
6A405-471-JO1H	8	Capacitor, Ceramic Chip 470pF 5% 0603 50V NPO
6A405-822-KR1H	4	Capacitor, Ceramic Chip 8200pF 10% 0603 50V X7R

3-22308
PCBA, Down Converter

PART NUMBER	QTY	DESCRIPTION
6A406-102-JO1E	2	Capacitor, Ceramic Chip 1000pF 5% 0805 25V NPO
6A406-102-JO1E	2	Capacitor, Ceramic Chip 1000pF 5% 0805 25V NPO
6A406-105-ZV1C	4	Capacitor, Ceramic Chip 1.0uF +80/20% 0805 16V Y5V
6A406-150-JO1E	1	Capacitor, Ceramic Chip 15pF 5% 0805 25V NPO
6A406-221-JO1H	20	Capacitor, Ceramic Chip 220pF 5% 0805 50V NPO
6A406-225-KR1A	3	Capacitor, Ceramic Chip 2.2uF 10V 10% 0805 X7R
6A406-6R0-CO1E	1	Capacitor, Ceramic Chip 6.0pF +/-0.25pF 0805 25V NPO
6A406-820-JO1E	1	Capacitor, Ceramic Chip 82pF 5% 0805 25V NPO
6A606-121-J	1	Inductor, Chip 120nH 5% 0603
6A606-240-J	1	Inductor, Chip 24nH 5% 0603 WW
6A606-331-J	7	Inductor, Chip 330nH 5% 0603
6A606-331-J	7	Inductor, Chip 330nH 5% 0603
6A610-101-FS	2	Inductor, Chip 100 nH 1008
6A610-221-KS	1	Inductor, Chip 220 NH 2825 Precision
6A610-221-KS	1	Inductor, Chip 220 NH 2825 Precision
6A610-221-KS	1	Inductor, Chip 220 NH 2825 Precision
6A610-271-JS	1	Inductor, Chip 270nH 5% 2520
6A612-100-J	1	Inductor, Chip 10.0 NH 5% 0805 (2012mm)
6A630-2	1	Transformer, RF
6A637-1	1	Transformer, RF 4kHz-800MHz
6A637-3	1	Transformer, RF 2-500MHz
6A642-1	10	Filter, Chip Bead 0603
6A642-1	10	Filter, Chip Bead 0603
6A642-1	10	Filter, Chip Bead 0603
6A651-78	1	Filter, Low Pass Elliptical, DC-78MHz
6A699-122-J	3	Inductor, Chip 1200nH 5% 1206
6A699-821-G	2	Inductor, Chip 820nH 2%
6A772-20-3G-1	1	Connector, Receptacle, Low-Profile 20 position
6A802-10	4	Connector, Termination Coaxial MMCX
6A802-10	4	Connector, Termination Coaxial MMCX
8-22219	1	AMPLIFIER, LOW NOISE MMIC 100-4000 MHz SIRENZA # SPF-5122Z
8-22289	1	SAW FILTER, 70 MHz (MIN DELAY RIPPLE)
NO-STUFF	9	"do not place" placeholder

3-22310
PCBA, Digital Board

PART NUMBER	QTY	DESCRIPTION
4-22311	1	PCB, DIGITAL BOARD FOR CHANNEL MODULE
6A1009-2	1	Diode, Schottky Barrier SERIES MBRS
6A1491-12	1	LED, SOT 23 Green
6A1715-1	1	Transistor, MOSFET-N
6A2042-1	1	IC, Buffer / Driver, 3-state, 3.3V, #74AVCX162244
6A2144-11	1	IC, FPGA, Spartan 3
6A2144-11	1	IC, FPGA, Spartan 3
6A2151-4	1	IC, PROM Configurator #XCF04S
6A2162-3	1	IC, Micro-controller 8-bit
6A2342-1	1	IC, Converter A/D, 14-Bit
6A2343-1	1	IC, D/A Converter, 14-bit
6A2357-1	1	IC, Bus Extended, I2C
6A2501-1	2	IC, Buffer, Single
6A2930-1	3	IC, Buffer Clock, PCI-X,142Mhz
6A2930-1	3	IC, Buffer Clock, PCI-X,142Mhz
6A303-0R0-J	1	Resistor,Chip 0.0 5% 0402 25V 1/16W Thick Film
6A303-1000-F	1	Resistor,Chip 100 1% 0402 25V 1/16W Thick Film
6A303-1002-F	4	Resistor,Chip 10.0K 1% 0402 25V 1/16W Thick Film
6A303-1211-F	1	Resistor,Chip 1.21K 1% 0402 25V 1/16W Thick Film
6A303-1870-F	1	Resistor,Chip 187 1% 0402 25V 1/16W Thick Film
6A303-2000-F	1	Resistor,Chip 200 1% 0402 25V 1/16W Thick Film
6A303-22R1-F	14	Resistor, Chip 22.1 1% 0402 25V 1/16W Thick Film
6A303-2800-F	1	Resistor,Chip 280 1% 0402 25V 1/16W Thick Film
6A303-33R2-F	17	Resistor,Chip 33.2 1% 0402 25V 1/16W Thick Film
6A303-4701-F	3	Resistor,Chip 4.7k 1% 0402 25V 1/16W Thick Film
6A303-5620-F	1	Resistor,Chip 562 1% 0402 25V 1/16W Thick Film
6A303-7500-F	1	Resistor,Chip 750 1% 0402 25V 1/16W Thick Film
6A304-0R0-J	7	Resistor,Chip 0 5% 0603 50V 1/10W Thick Film
6A304-1003-F	1	Resistor,Chip 100K 1% 0603 50V 1/10W Thick Film
6A304-2002-F	3	Resistor,Chip 20.0K 1% 0603 50V 1/10W Thick Film
6A304-2150-F	1	Resistor,Chip 215 1% 0603 50V 1/10W Thick Film

3-22310
PCBA, Digital Board

PART NUMBER	QTY	DESCRIPTION
6A304-3320-F	1	Resistor,Chip 332 1% 0603 25V 1/10W Thick Film
6A304-33R2-F	6	Resistor,Chip 33.2 1% 0603 50V 1/10W Thick Film
6A304-4993-F	1	Resistor,Chip 499K 1% 0603 50V 1/10W Thick Film
6A304-6042-F	1	Resistor,Chip 60.4K 1% 0603 50V 1/10W Thick Film
6A306-0R0-J	3	Resistor,Chip 0 5% 0805 150V 1/8W Thick Film
6A306-0R0-J	3	Resistor,Chip 0 5% 0805 150V 1/8W Thick Film
6A306-1001-F	2	Resistor,Chip 1.00K 1% 0805 150V 1/8W Thick Film
6A306-1001-F	2	Resistor,Chip 1.00K 1% 0805 150V 1/8W Thick Film
6A306-1003-F	2	Resistor,Chip 100K 1% 0805 150V 1/8W Thick Film
6A306-1651-F	1	Resistor,Chip 1.65K 1% 0805 150V 1/8W,Thick Film
6A306-2000-F	1	Resistor,Chip 200 1% 0805 150V 1/8W Thick Film
6A306-3323-F	1	Resistor,Chip 332K 1% 0805 150V 1/8W Thick Film
6A306-6191-F	1	Resistor,Chip 6.19K 1% 0805 150V 1/8W Thick Film
6A3073-2	1	IC Voltage Regulator 26V, 1.5A High Current, Low Dropout
6A312-R030-3J	1	Resistor, Chip Low Value 0.030 Ohm 5% 2512 1W
6A3120-1	1	IC, Temperature Sensor
6A3284-1	1	IC, Regulator, Switching,2.8MHz Step-Down
6A3285-3R3	1	IC, Regulator, LDO, Hi PSRR 3.3V
6A3285-3R3	1	IC, Regulator, LDO, Hi PSRR 3.3V
6A3286-1	1	IC, Regulator, Dual DC/DCStep-Down & LDO Linear
6A404-120-JO1E	1	Capacitor, Ceramic Chip 12pF 5% 0402 25V NPO
6A404-330-JO1H	1	Capacitor, Ceramic Chip 33pF 5% 0402 50V NPO
6A405-103-KR1C	5	Capacitor, Ceramic Chip 0.01uF 10% 0603 16V X7R
6A405-103-KR1C	5	Capacitor, Ceramic Chip 0.01uF 10% 0603 16V X7R
6A405-103-KR1C	5	Capacitor, Ceramic Chip 0.01uF 10% 0603 16V X7R
6A405-104-KR1H	34	Capacitor, Ceramic Chip 0.1uF 10% 0603 50V X7R

3-22310
PCBA, Digital Board

PART NUMBER	QTY	DESCRIPTION
6A405-104-KR1H	34	Capacitor, Ceramic Chip 0.1uF 10% 0603 50V X7R
6A405-104-KR1H	34	Capacitor, Ceramic Chip 0.1uF 10% 0603 50V X7R
6A405-221-JO1E	1	Capacitor, Ceramic Chip 220pF 5% 0603 25V NPO
6A405-331-JO1E	2	Capacitor, Ceramic Chip 330pF 5% 0603 25V NPO
6A405-331-JO1E	2	Capacitor, Ceramic Chip 330pF 5% 0603 25V NPO
6A405-473-KR1E	30	Capacitor, Ceramic Chip .047uF 10% 0603 25V X7R
6A405-474-K51A	7	Capacitor, Ceramic Chip .47uF 10% 0603 10V X5R
6A405-822-KR1H	1	Capacitor, Ceramic Chip 8200pF 10% 0603 50V X7R
6A406-103-KR1H	1	Capacitor, Ceramic Chip 0.01uF 10% 0805 50V X7R
6A406-105-ZV1C	9	Capacitor, Ceramic Chip 1.0uF +80/20% 0805 16V Y5V
6A406-105-ZV1C	9	Capacitor, Ceramic Chip 1.0uF +80/20% 0805 16V Y5V
6A406-106-K51A	3	Capacitor, Ceramic Chip 10uF 10% 0805 10V X5R
6A406-106-K51A	3	Capacitor, Ceramic Chip 10uF 10% 0805 10V X5R
6A406-225-KR1A	2	Capacitor, Ceramic Chip 2.2uF 10V 10% 0805 X7R
6A406-225-KR1A	2	Capacitor, Ceramic Chip 2.2uF 10V 10% 0805 X7R
6A406-6R8-JO1E	1	Capacitor, Ceramic Chip 6.8pF 5% 0805 25V NPO
6A406-8R2-CO1E	1	Capacitor, Ceramic Chip 8.2pF +/-0.25pF 0805 25V NPO
6A407-225-KR1H	1	Capacitor, Ceramic Chip 2.2uF 10% 1206 50V X7R
6A420-106-K1A	11	Capacitor,Chip 10uF 10% A/TANT 10V Tantalum Electrolytic
6A420-106-K1A	11	Capacitor,Chip 10uF 10% A/TANT 10V Tantalum Electrolytic
6A429-226-M1V	5	Capacitor, Tantalum 22uF 20% 7343/TANT 35V Low ESR
6A429-226-M1V	5	Capacitor, Tantalum 22uF 20% 7343/TANT 35V Low ESR
6A618-222-M	2	Inductor, Power, 2.2 uH SMT
6A642-1	16	Filter, Chip Bead 0603
6A642-1	16	Filter, Chip Bead 0603
6A642-4	3	Filter, Chip Bead Medium Current, Std Signal Speed

3-22310
PCBA, Digital Board

PART NUMBER	QTY	DESCRIPTION
6A642-6	3	Filter, Chip Bead EMI 0805 Low Current
6A642-6	3	Filter, Chip Bead EMI 0805 Low Current
6A657-1	1	Ferrite, Filter, Chip
6A670-702-N4	3	Inductor,Power MSS Series7uH 30%
6A772-20-3G-1	3	Connector, Receptacle, Low-Profile 20 position
6A773-203-1	1	Connector, Socket 0.100, 0.025 sq
6A774-1	11	Connector, Receptacle Pin SMT
6A774-1	11	Connector, Receptacle Pin SMT
6A820-10	1	Connector, Receptacle 2x10 (20 pin) # TLE Series
8-20691	1	IC CURRENT-SENSE AMP W/ VOLTAGE OUTPUT SOT23 MAXIM #MAX4372FEUK
NO-STUFF	7	"do not place" placeholder

3-22312
PCBA, LO

PART NUMBER	QTY	DESCRIPTION
4-22313	1	PCB, LO BARE
6A1111-5R0	2	Diode, TVS, 5.0V Low Capacitance
6A1610-1	1	Transistor, Amplifier NPN
6A2075-3	1	IC,Inverter, Triple Gate High Speed
6A2930-1	1	IC, Buffer Clock, PCI-X,142Mhz
6A303-1000-F	1	Resistor,Chip 100 1% 0402 25V 1/16W Thick Film
6A303-1001-F	3	Resistor,Chip 1.00K 1% 0402 25V 1/16W Thick Film
6A303-1001-F	3	Resistor,Chip 1.00K 1% 0402 25V 1/16W Thick Film
6A303-1002-F	8	Resistor,Chip 10.0K 1% 0402 25V 1/16W Thick Film
6A303-1002-F	8	Resistor,Chip 10.0K 1% 0402 25V 1/16W Thick Film
6A303-1050-F	1	Resistor,Chip 105 1% 0402 25V 1/16W Thick Film
6A303-1300-F	2	Resistor,Chip 130 1% 0402 25V 1/16W Thick Film
6A303-1300-F	2	Resistor,Chip 130 1% 0402 25V 1/16W Thick Film
6A303-1651-F	1	Resistor,Chip 1.65K 1% 0402 25V 1/16W Thick Film
6A303-1691-F	1	Resistor,Chip 1.69K 1% 0402 25V 1/16W Thick Film
6A303-17R8-F	6	Resistor,Chip 17.8 1% 0402 25V 1/16W Thick Film

3-22312
PCBA, LO

PART NUMBER	QTY	DESCRIPTION
6A303-1823-F	1	Resistor,Chip 182K 1% 0402 25V 1/16W Thick Film
6A303-2151-F	1	Resistor,Chip 2.15K 1% 0402 25V 1/16W Thick Film
6A303-2490-F	1	Resistor,Chip 249 1% 0402 25V 1/16W Thick Film
6A303-3012-F	2	Resistor,Chip 30.1K 1% 0402 25V 1/16W Thick Film
6A303-3161-F	1	Resistor,Chip 3.16K 1% 0402 25V 1/16W Thick Film
6A303-33R2-F	2	Resistor,Chip 33.2 1% 0402 25V 1/16W Thick Film
6A303-45R3-F	1	Resistor, Chip 45.3 1% 0402 50V 1/16W Thick Film
6A303-4990-F	1	Resistor,Chip 499 1% 0402 25V 1/16W Thick Film
6A303-5111-F	2	Resistor,Chip 5.11K 1% 0402 25V 1/16W Thick Film
6A303-78R7-F	2	Resistor, Chip 78.7 1% 0402 50V 1/16W Thick Film
6A303-9102-F	2	Resistor,Chip 91K 1% 0402 25V 1/16W Thick Film
6A3145-6	1	IC, VCO,470-519MHz
6A3148-1	2	IC, PLL, Frequency Synth #ADF4106
6A3170-3R3D	2	IC, Regulator,Low Dropout
6A3170-3R3D	2	IC, Regulator,Low Dropout
6A3228-2	1	IC, OP AMP Rail to Rail 24 MHz AD8647ARM
6A3250-2R5	1	IC, Voltage Reference Precision,2.5V
6A404-101-JO1E	2	Capacitor, Ceramic Chip 100pF 5% 0402 25V NPO
6A404-103-KR1C	6	Capacitor, Ceramic Chip .01uF 10% 0402 16V X7R
6A404-103-KR1C	6	Capacitor, Ceramic Chip .01uF 10% 0402 16V X7R
6A404-104-KR1C	19	Capacitor, Ceramic Chip .1uF 10% 0402 16V X7R
6A404-104-KR1C	19	Capacitor, Ceramic Chip .1uF 10% 0402 16V X7R
6A404-104-KR1C	19	Capacitor, Ceramic Chip .1uF 10% 0402 16V X7R
6A404-180-JO1H	2	Capacitor, Ceramic Chip 18pF 5% 0402 50V NPO
6A404-1R5-CO1E	1	Capacitor, Ceramic Chip 1.5pF +/-0.25pF 0402 25V NPO
6A404-221-KO1E	3	Capacitor, Ceramic Chip 220pF 10% 0402 25V NPO
6A405-225-K51A	4	Capacitor, Ceramic Chip 2.2uF 10% 0603 10V X5R

3-22312
PCBA, LO

PART NUMBER	QTY	DESCRIPTION
6A405-334-KR1C	1	Capacitor, Ceramic Chip 0.33uF 10% 0603 16V X7R
6A405-473-KR1E	1	Capacitor, Ceramic Chip .047uF 10% 0603 25V X7R
6A406-102-JO1E	1	Capacitor, Ceramic Chip 1000pF 5% 0805 25V NPO
6A406-106-K51A	2	Capacitor, Ceramic Chip 10uF 10% 0805 10V X5R
6A406-224-KR1H	1	Capacitor, Ceramic Chip 0.22uF 10% 0805 50V X7R
6A406-271-JO1H	2	Capacitor, Ceramic Chip 270pF 1% 0805 50V NPO
6A606-331-J	4	Inductor, Chip 330nH 5% 0603
6A606-430-G1	1	Inductor, Chip 43nH 2% 0603 WW type LS
6A612-220-J	2	Inductor, Chip 22 NH 5%
6A612-821-J	3	Inductor, Chip, 820 nH 5%0805
6A642-1	3	Filter, Chip Bead 0603
6A642-1	3	Filter, Chip Bead 0603
6A643-14	1	Filter, Low Pass DC-400 MHz
6A699-122-J	2	Inductor, Chip 1200nH 5% 1206
6A715-5604-1	1	Oscillator, VCTXCO, 11.5x9.6mm #VTD3 series
6A772-20-3G-1	1	Connector, Receptacle, Low-Profile 20 position
NO-STUFF	2	"do not place" placeholder

3-22315
PCBA, Channel Module Interface

PART NUMBER	QTY	DESCRIPTION
1-22334	1	SPACER BOARD, TERMINAL BLOCK
1-22335	1	SPACER BOARD, SMB PANEL MOUNT
4-22316	1	PCB, Channel Module Interface
5A2045-10RL1	1	Terminal Block, sub-mini 2 pin right angle w/latch
5A2410-2G	21	Pin, Receptacle
5A2458-2V-100	1	Connector, Header Friction Lock 2 position Vertical
5A2482-1	2	Connector, SMB, PCB Mount
6A1715-1	1	Transistor, MOSFET-N
6A2501-1	1	IC, Buffer, Single
6A306-1002-F	1	Resistor,Chip 10.0K 1% 0805 150V 1/8W Thick Film
6A406-104-MU1E	1	Capacitor, Ceramic Chip 0.1uF 20% 0805 25V Z5U
6A642-1	7	Filter, Chip Bead 0603
6A730-2	1	Relay 5VDC SMT
6A822-04-1	1	Connector, Receptacle 1.27mm
6B1000-2	1	Diode FM4002 SMT 600 S1B

3-22318
Active Combiner Assembly in 3-22376

PART NUMBER	QTY	DESCRIPTION
1-22330	1	CHASSIS, ACTIVE COMBINER
1-22331	1	TOP COVER, ACTIVE COMBINER
1-22332	2	SIDE COVER, ACTIVE COMBINER
3-22319	1	PCBA, Active UHF Combiner, 450-512 MHz
5-1528-1	1	Cap., Feed-thru 1KpF20% THD, W/INT L'WSHR &HX NU
5-640-5	1	Lug, Solder - 1/4 Hole
8-22333	7	CONNECTOR, TNC-F, PANEL MOUNT, POST CONTACT
8-6154	47	4-40 X 5-16 SS PHMS PHILLIPS LIGHT NYLON PATCH
8-7361	28	4-40 X 3-8 SS PHILLIPS PHMS LIGHT NYLON PATCH

3-22319
PCBA, Active UHF Combiner for 3-22318

PART NUMBER	QTY	DESCRIPTION
4-22320	1	PCB, Active UHF combiner
6A1009-2	1	Diode, Schottky Barrier SERIES MBRS
6A1495-4	6	LED, SMT Standard, Green
6A1707-2	6	Transistor, P-channel, power FET #IRLML
6A304-1003-F	6	Resistor,Chip 100K 1% 0603 50V 1/10W Thick Film
6A304-1913-F	1	Resistor,Chip 191K 1% 0603 50V 1/10W Thick Film
6A304-2002-F	1	Resistor,Chip 20.0K 1% 0603 50V 1/10W Thick Film
6A304-2492-F	1	Resistor,Chip 24.9K 1% 0603 50V 1/10W Thick Film
6A304-6042-F	1	Resistor,Chip 60.4K 1% 0603 50V 1/10W Thick Film
6A304-9092-F	6	Resistor,Chip 90.9K 1% 0603 50V 1/10W Thick Film
6A306-8450-F	6	Resistor,Chip 845 1% 0805 150V 1/8W Thick Film
6A3093-3	6	IC, Amplifier 50-2200 MHz
6A316-500-J	5	Termination, Surface Mount 50 Ohm DC-2.5 GHz
6A3284-1	1	IC, Regulator, Switching, 2.8MHz Step-Down
6A362-3	1	Attenuator, High Power 3dB 50 Ohm DC-2.5 GHz
6A405-102-KR1H	6	Capacitor, Ceramic Chip 1000pF 10% 0603 50V X7R
6A405-105-K51V	6	Capacitor, Ceramic Chip 1uF 10% 0603 35V X5R
6A405-331-JO1E	1	Capacitor, Ceramic Chip 330pF 5% 0603 25V NPO

3-22319
PCBA, Active UHF Combiner for 3-22318

PART NUMBER	QTY	DESCRIPTION
6A405-474-K51A	1	Capacitor, Ceramic Chip .47uF 10% 0603 10V X5R
6A406-102-KR1H	18	Capacitor, Ceramic Chip 1000pF 10% 0805 50V X7R
6A429-226-M1V	4	Capacitor, Tantalum 22uF 20% 7343/TANT 35V Low ESR
6A622-240-J	6	Inductor 246 nH 5%
6A657-1	1	Ferrite, Filter, Chip
6A670-702-N4	3	Inductor, Power MSS Series 7uH 30%
6A782-6	1	Switch, Dip Side Actuated 6 position
6A902-3	5	Coupler, Hybrid, 3dB 410-480 MHz 90 deg

3-22322
DSP Channel Module Assembly

PART NUMBER	QTY	DESCRIPTION
1-22321	1	CHANNELIZED BOOSTER HOUSING, BI DIRECTIONAL UHF
1-22326	4	JUMPER WIRE
1-22327	2	COVER, CHANNELIZED BOOSTER HOUSING
1-22328	1	SPACER BOARD, INTERFACE PCBA
1-22329	1	SPACER BOARD, LED PCBA
1-22338	1	COVER BOARD, LED
1-22344	1	Cover, Interface PCBA
13-22293	1	SOFTWARE, CHANNELIZED BOOSTER, MODULE
13-22294	1	SOFTWARE, CHANNELIZED BOOSTER, FPGA
3-22295	1	PCBA, LED Channel Module
3-22302	2	PCBA, Upconverter
3-22308	2	PCBA, 405-512 MHz Down converter
3-22310	2	PC ASSY, DIGITAL BOARD FOR CHANNEL MODULE
3-22312	2	PCBA LO
3-22315	1	PCBA, Channel Module Interface
3-22984	1	FRONT PANEL ASSY CHANNELIZED BOOSTER MODULE
5A2604-100-1	5	Spanner, RF Feed Thru 10pF 2-56 thread
5A2604-101-1	23	Spanner, RF Feed Thru 100pF 2-56 thread
5A2610-F2-2	6	Shielding, EMI/RFI, D-Shaped, .090" x .090", Taffeta Ni/Cu
5A2610-GF1-3-2	4	Gasket, Shielding EMI/RFI Die Cut
5A2610-SM-034	4.5	Shielding, EMI/RFI .034 dia
5A2658-3	1	Pin, PC Board/ Interconnects
7002A274-3	6	Feed-thru, Horizontal
8-22323	4	CONN SMB FML, STRAIGHT BULK-HEAD, SOLDER CUP

3-22322
DSP Channel Module Assembly

PART NUMBER	QTY	DESCRIPTION
8-22324	12	SCREW, 0-80 x .188 FILLISTER SS
8-22325	66	SCREW, 2.56 x .125 PHMS PHILLIPS SS
8-22345	1	LABEL, FRONT PANEL, CB MODULE
8-22349	1	LABEL INTERFACE COVER, CB MODULE
8-22350-1	1	LABEL, INPUT-OUTPUT, CB MODULE, UPLINK
8-22350-2	1	LABEL, INPUT-OUTPUT CB MODULE, DOWNLINK
8-23078	1	LABEL, BRADY, 1.0 X .5 # PTL-17-423
8-6041	8	4-40 x 3-16 SS PHILLIPS PAN HD MS LIGHT NYLON PATCH
8-6154	68	4-40 X 5-16 SS PHMS PHILLIPS LIGHT NYLON PATCH
8-7368	4	4-40 x 1-2 SS PHILLIPS PAN HD MS LIGHT NYLON PATCH

3-23231
DSP Channel Module Assembly

PART NUMBER	QTY	DESCRIPTION
1-22321	1	CHANNELIZED BOOSTER HOUSING, BI DIRECTIONAL UHF
1-22326	4	JUMPER WIRE
1-22327	2	COVER, CHANNELIZED BOOSTER HOUSING
1-22328	1	SPACER BOARD, INTERFACE PCBA
1-22329	1	SPACER BOARD, LED PCBA
1-22338	1	COVER BOARD, LED
1-22344	1	Cover, Interface PCBA
13-22293	1	SOFTWARE, CHANNELIZED BOOSTER, MODULE
13-22294	1	SOFTWARE, CHANNELIZED BOOSTER, FPGA
3-22295	1	PCBA, LED Channel Module
3-22304	2	PCBA 470-491MHZ UPCONVERTER BOARD
3-22308	2	PCBA, 405-512 MHz Down converter
3-22310	2	PC ASSY, DIGITAL BOARD FOR CHANNEL MODULE
3-22312	2	PCBA LO
3-22315	1	PCBA, Channel Module Interface
3-22984	1	FRONT PANEL ASSY CHANNELIZED BOOSTER MODULE
5A2604-100-1	5	Spanner, RF Feed Thru 10pF 2-56 thread
5A2604-101-1	23	Spanner, RF Feed Thru 100pF 2-56 thread
5A2610-F2-2	6	Shielding, EMI/RFI, D-Shaped, .090" x .090", Taffeta Ni/Cu
5A2610-GF1-3-2	4	Gasket, Shielding EMI/RFI Die Cut
5A2610-SM-034	4.5	Shielding, EMI/RFI .034 dia
5A2658-3	1	Pin, PC Board/ Interconnects

3-23231
DSP Channel Module Assembly

PART NUMBER	QTY	DESCRIPTION
7002A274-3	6	Feed-thru, Horizontal
8-22323	4	CONN SMB FML , STRAIGHT BULK-HEAD, SOLDER CUP
8-22324	12	SCREW, 0-80 x .188 FILLISTER SS
8-22325	66	SCREW, 2.56 x .125 PHMS PHILLIPS SS
8-22345	1	LABEL, FRONT PANEL, CB MODULE
8-22349	1	LABEL INTERFACE COVER, CB MODULE
8-22350-1	1	LABEL, INPUT-OUTPUT, CB MODULE, UPLINK
8-22350-2	1	LABEL, INPUT-OUTPUT CB MODULE, DOWNLINK
8-23078	1	LABEL, BRADY, 1.0 X .5 # PTL-17-423
8-6041	8	4-40 x 3-16 SS PHILLIPS PAN HD MS LIGHT NYLON PATCH
8-6154	68	4-40 X 5-16 SS PHMS PHILLIPS LIGHT NYLON PATCH
8-7368	4	4-40 x 1-2 SS PHILLIPS PAN HD MS LIGHT NYLON PATCH

3-23232
DSP Channel Module Assembly

PART NUMBER	QTY	DESCRIPTION
1-22321	1	CHANNELIZED BOOSTER HOUSING, BI DIRECTIONAL UHF
1-22326	4	JUMPER WIRE
1-22327	2	COVER, CHANNELIZED BOOSTER HOUSING
1-22328	1	SPACER BOARD, INTERFACE PCBA
1-22329	1	SPACER BOARD, LED PCBA
1-22338	1	COVER BOARD, LED
1-22344	1	Cover, Interface PCBA
13-22293	1	SOFTWARE, CHANNELIZED BOOSTER, MODULE
13-22294	1	SOFTWARE, CHANNELIZED BOOSTER, FPGA
3-22295	1	PCBA, LED Channel Module
3-22306	2	PCBA 491-512MHZ UPCONVERTER BOARD
3-22308	2	PCBA, 405-512 MHz Down converter
3-22310	2	PC ASSY, DIGITAL BOARD FOR CHANNEL MODULE
3-22312	2	PCBA LO
3-22315	1	PCBA, Channel Module Interface
3-22984	1	FRONT PANEL ASSY CHANNELIZED BOOSTER MODULE
5A2604-100-1	5	Spanner, RF Feed Thru 10pF 2-56 thread
5A2604-101-1	23	Spanner, RF Feed Thru 100pF 2-56 thread
5A2610-F2-2	6	Shielding, EMI/RFI, D-Shaped, .090" x .090", Taffeta Ni/Cu

3-22322
DSP Channel Module Assembly

PART NUMBER	QTY	DESCRIPTION
5A2610-GF1-3-2	4	Gasket,Shielding EMI/RFI Die Cut
5A2610-SM-034	4.5	Shielding, EMI/RFI .034 dia
5A2658-3	1	Pin, PC Board/ Interconnects
7002A274-3	6	Feed-thru, Horizontal
8-22323	4	CONN SMB FML , STRAIGHT BULK-HEAD, SOLDER CUP
8-22324	12	SCREW, 0-80 x .188 FILLISTER SS
8-22325	66	SCREW, 2.56 x .125 PHMS PHILLIPS SS
8-22345	1	LABEL, FRONT PANEL, CB MODULE
8-22349	1	LABEL INTERFACE COVER, CB MODULE
8-22350-1	1	LABEL, INPUT-OUTPUT, CB MODULE, UPLINK
8-22350-2	1	LABEL, INPUT-OUTPUT CB MODULE, DOWNLINK
8-23078	1	LABEL, BRADY, 1.0 X .5 # PTL-17-423
8-6041	8	4-40 x 3-16 SS PHILLIPS PAN HD MS LIGHT NYLON PATCH
8-6154	68	4-40 X 5-16 SS PHMS PHILLIPS LIGHT NYLON PATCH
8-7368	4	4-40 x 1-2 SS PHILLIPS PAN HD MS LIGHT NYLON PATCH

3-22340
UHF Distribution Amp Assembly in 3-22380

PART NUMBER	QTY	DESCRIPTION
1-22346	1	CHASSIS, UHF CB DIST AMP
1-22347	2	SIDE COVER, UHF CB DIST AMP
1-22348	1	TOP COVER, UHF CB DIST AMP
3-22341	1	PC ASSY, UHF CHANNELIZED BOOSTER DIST AMP
5-1528-1	1	Cap., Feed-thru 1KpF20% THD, W/INT L'WSHR &HX NU
5-640-5	1	Lug, Solder - 1/4 Hole
8-22333	2	CONNECTOR, TNC-F, PANEL MOUNT, POST CONTACT
8-7370	30	4-40 x 1-4 SS PHILLIPS PAN HD MS LIGHT NYLON PATCH

3-22341
PCBA, Distribution Amp for 3-22340

PART NUMBER	QTY	DESCRIPTION
4-22342	1	PCB, UHF CHANNELIZED BOOSTER DIAT AMP
6A1111-5R0	1	Diode, TVS, 5.0V Low Capacitance
6A310-221-J	4	Resistor, Chip 220 5% 2512 250V 1W Thick Film
6A405-104-KR1H	2	Capacitor, Ceramic Chip 0.1uF 10% 0603 50V X7R

3-22341
PCBA, Distribution Amp for 3-22340

PART NUMBER	QTY	DESCRIPTION
6A405-471-JO1H	5	Capacitor, Ceramic Chip 470pF 5% 0603 50V NPO
6A407-105-KR1H	2	Capacitor, Ceramic Chip 1uF 10% 1206 50V X7R
6A420-106-K1A	1	Capacitor,Chip 10uF 10% A/TANT 10V Tantalum Electrolytic
6A612-151-J	1	Inductor, Chip, 150 nH 5%0805
6A643-9	1	Filter, Low Pass DC-630 MHz
6A657-1	1	Ferrite, Filter, Chip
6B3018-2	1	IC, Regulator 200mA 5.0V
8-22219	1	AMPLIFIER, LOW NOISE MMIC 100-4000 MHz SIRENZA # SPF-5122Z

3-22352
Circuit Board Module Cage Assembly

PART NUMBER	QTY	DESCRIPTION
1-22353	2	HORIZONTAL RAIL, FRONT
1-22354	2	HORIZONTAL RAIL, REAR
1-22355	2	BRACKET, COVER SUPPORT
1-22359	1	MOUNT PANEL, 7RU, 10 MODULE BOOSTER
1-22360	2	PERFORATED STRIP
1-22361	2	SIDE SUPPORT, MODULE CAGE
1-22362	2	THREADED INSERT
5A2790-13	32	Screw, TORX countersunk M2.5 x 7.3
5A2790-19	2	Grub screw M2.5 x 9
5A2790-31	16	Guide Rail
8-22364	18	#6 BELLEVILLE WASHER SERRATED BOTH SIDES STEEL BLACK FINISH
8-22365	16	M4 BELLEVILLE WASHER SERRATED BOTH SIDES STEEL BLACK FINISH
8-22369	16	M4 x 0.7 x 10 MM SHCS, STEEL BLACK OXIDE
8-22371	18	6-32 x .312 PHMS PHILLIPS SS, BLACK OXIDE

3-22376
Pod Assembly, Active Combiner PA

PART NUMBER	QTY	DESCRIPTION
1-22336	2	HEATSINK, ACTIVE COMBINER/PA
1-22374	2	HOIST BRACKET, HEATSINK
1-22375	2	KEY
3-22318	1	ACTIVE COMBINER ASSY, 450-512 MHz
8-18320	20	4-40 x 5-8 SS SOCKET HEADCAP SCREW
8-22175	6	SCREW, 10-32 x 1/2 SS SHCS

3-22376
Pod Assembly, Active Combiner PA

PART NUMBER	QTY	DESCRIPTION
8-22253	20	#4 SPLIT LOCKWASHER
8-23291	3	POWER AMPLIFIER, WIDEBAND WITH 5 V SHUTDOWN
8-22377	16	10-32 x 3/8" SS FHMS, UNDERCUT HEAD, PHILLIPS
8-6163	6	NO. 10 SS SPLIT WASHER
8-7370	4	4-40 x 1-4 SS PHILLIPS PAN HD MS LIGHT NYLON PATCH

3-22380
Splitter & Distribution Amp Sub Assembly

PART NUMBER	QTY	DESCRIPTION
1-22379	1	DECK, SPLITTER AND DISTRIBUTION AMP
1-22381	1	SHIM, DISTRIBUTION AMP
3-16676	1	POWER DVDR 6WAY SEALED 380-520 PRESS TNC
3-22340	1	ASSY, UHF CHANNELIZED BOOSTER DIST AMP
8-22702	1	ADAPTER, TNC ML- TNC ML NICKLE/ GOLD
8-7370	8	4-40 x 1-4 SS PHILLIPS PAN HD MS LIGHT NYLON PATCH

3-22684
Rear Frame Assembly

PART NUMBER	QTY	DESCRIPTION
1-22373	4	RETENTION BRACKET, HEATSINK
1-22382	1	REAR SEPTUM
1-22383	1	FORWARD SEPTUM
1-22386	8	FRAME BRACE
1-22387	6	FRAME GUSSET
1-22696	1	SUPPORT PROFILE, mkPROFILE 2025.01 14.385" LONG
1-22697	3	SUPPORT PROFILE, mkPROFILE 2025.01 15.310" LONG
1-22698	4	SUPPORT PROFILE, mkPROFILE 2025.01 9.876" LONG
1-22699	4	SUPPORT PROFILE, mkPROFILE 2025.01 21.644" LONG
1-22713	2	THREADED INSERT, 10.844" LG
1-22714	4	THREADED INSERT, 8.341" LG
1-22715	4	THREADED INSERT, 14.369" LG
1-22716	14	THREADED INSERT, 9.860" LG
1-22717	11	THREADED INSERT, 15.294" LG
1-22718	14	THREADED INSERT, 21.628" LG
1-22720	1	SUPPORT PROFILE, mkPROFILE 2025.01 10.860" LONG

3-22684
Rear Frame Assembly

PART NUMBER	QTY	DESCRIPTION
8-22669	65	6-32 x .312 SHCS, STEEL BLACK OXIDE
8-22703	14	8-32 x .875 SET SCREW, CUP POINT, STEEL, BLACK FINISH W/LNP

3-22686
Pod Assembly, Power & Control

PART NUMBER	QTY	DESCRIPTION
1-22356	1	BRACKET, POWER AND CONTROL
1-22358	1	FRONT PANEL, POWER SUPPLY AND CONTROL
3-22297	1	PCBA Control Board Channel Booster
5A2790-20	4	Sleeve
8-22253	8	#4 SPLIT LOCKWASHER
8-22364	6	#6 BELLEVILLE WASHER SERRATED BOTH SIDES STEEL BLACK FINISH
8-22366	4	M3 BELLEVILLE WASHER SERRATED BOTH SIDES STEEL BLACK FINISH
8-22367	4	M3 x 0.5 x 5 MM SHCS S.S.
8-22371	6	6-32 x .312 PHMS PHILLIPS SS, BLACK OXIDE
8-22372	8	4-40 x .250 PHMS PHILLIPS SS, BLACK OXIDE
8-22688	1	POWER SUPPLY

3-22984
Front Panel Assembly

PART NUMBER	QTY	DESCRIPTION
1-22343	1	Panel, Front CB Module
5A2790-20	2	Sleeve