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Bill of Material Report

EMClarity

01- E10G Eband Radio-
352B-H 1200
H

Lvl	Code	Description	Qty
1	02-352B-100	Gimbal Assembly, E10G	1
2	02-352B-115	Static sub-assembly, E10G	1
3	10-350A-702	Bearing Retaining Ring	2
3	10-352B-116	Base, E10G	1
3	10-352B-117	Elevation arm encoder side, E10G	1
3	10-352B-118	Elevation arm motor side, E10G	1
3	10-352B-119	Elevation arm support, E10G	2
3	10-352B-120	Motor and encoder cover, E10G	2
3	10-352B-121	Inner motor clamp, E10G	0
3	10-352B-122	Outer motor clamp, E10G	1
3	10-352B-123	Stopper body, E10G	4
3	10-352B-124	Hinge, male, E10G	2
3	10-358A-344	Half Shaft Stator	2
3	10-358A-345	Half Shaft Rotor	2
3	10-358A-346	Split Shaft Encoder	1
3	11-0100	Ball Bearing, Deep Groove, Single Row, SS, Seal both sides	2
3	14-A2.5M12-01	Screw, M2.5 12mm, PCR, Philips, SS	4
3	14-A2.5M16-01	Screw, M2.5 16mm, PCR, Philips, SS	16
3	14-A2.5M8-12	Screw, M2.5 8mm, PCR, SS, w/Captive Washer	4
3	14-A2M10-01	Screw, M2 10mm, PCR, Philips, SS	8
3	14-A3M10-02	Screw, M3 10mm, PCR, Philips, SS	8
3	14-A3M12-01	Screw, M3 12mm, PCR, Philips, SS	4
3	14-A3M35-05	Screw, M3 35mm, Socket HD, SS 316	16
3	14-A3M8-04	Screw, M3 8mm, CSK, Philips, SS	12
3	14-A3M8-12	Screw, M3 8mm, PCR, SS, w/Captive Washer	4
3	14-A6M20-05	Screw, M6 20mm, Socket HD, SS	4
3	14-A6M30-05	Screw, M6 30mm, Socket Hd, SS	28
3	14-D3M8-01	Dowel Pin, M3 x 8mm, SS	6
3	15-2.5M-01	Washer, M2.5 Spring, SS	20
3	15-2M-01	Washer, M2 Spring, SS	8
3	15-3M-01	Washer, M3 Spring, SS	28
3	15-6M-01	Washer, M6 Spring, SS 316	36
3	02-352B-1001	Motor Rotor Assembly (352B)	1
4	11-1170-R	Motor Rotor Magnet (Applimotion)	1
4	10-352B-121	Inner motor clamp, E10G	1
3	11-1170-S	Motor Stator Windings (Applimotion)	0
3	11-0080	Encoder INC-3-125-180101-SSI1-AC1-12-AN	0
3	11-0130	Stopper Bush 11x25x 13long	4
2	02-352B-125	Weight Belt sub-assembly, E10G	1
3	10-350A-702	Bearing Retaining Ring	2
3	10-352B-120	Motor and encoder cover, E10G	2
3	10-352B-122	Outer motor clamp, E10G	1
3	10-352B-123	Stopper body, E10G	4
3	10-352B-126	Weight belt motor side, E10G	1
3	10-352B-127	Weight belt encoder side, E10G	1
3	10-352B-128	Weight belt rotating side, E10G	2

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3	10-352B-129	Weight belt angle, E10G	4
3	10-352B-130	Weight belt support bracket, E10G	8
3	10-358A-344	Half Shaft Stator	2
3	10-358A-345	Half Shaft Rotor	2
3	10-358A-346	Split Shaft Encoder	1
3	11-0100	Ball Bearing, Deep Groove, Single Row, SS, Seal both sides	2
3	14-A2.5M10-01	Screw, M2.5 10mm, PCR, Philips, SS	4
3	14-A2.5M16-01	Screw, M2.5 16mm, PCR, Philips, SS	16
3	14-A2.5M8-12	Screw, M2.5 8mm, PCR, SS, w/Captive Washer	4
3	14-A2M10-01	Screw, M2 10mm, PCR, Philips, SS	8
3	14-A3M10-05	Screw, M3 10mm, Socket HD, SS	8
3	14-A3M12-05	Screw, M3 12mm, Socket HD, SS	4
3	14-A3M35-05	Screw, M3 35mm, Socket HD, SS 316	16
3	14-A3M8-04	Screw, M3 8mm, CSK, Philips, SS	12
3	14-A3M8-05	Screw, M3 8mm, Socket HD, SS	4
3	14-A6M20-05	Screw, M6 20mm, Socket HD, SS	24
3	14-D3M8-01	Dowel Pin, M3 x 8mm, SS	16
3	15-2.5M-01	Washer, M2.5 Spring, SS	20
3	15-2M-01	Washer, M2 Spring, SS	8
3	15-3M-01	Washer, M3 Spring, SS	32
3	15-6M-01	Washer, M6 Spring, SS 316	28
3	02-352B-1001	Motor Rotor Assembly (352B)	1
4	11-1170-R	Motor Rotor Magnet (Applimotion)	1
4	10-352B-121	Inner motor clamp, E10G	1
3	11-1170-S	Motor Stator Windings (Applimotion)	0
3	11-0080	Encoder INC-3-125-180101-SSI1-AC1-12-AN	0
3	11-0130	Stopper Bush 11x25x 13long	4
2	02-352B-135	Front Axis sub-assembly, E10G	1
3	10-352B-136	Front axis base, E10G	1
3	10-352B-137	Front axis elevation arm, E10G	2
3	10-352B-138	Reflector standoff arm, E10G	4
3	10-352B-181	Counterweight, Quarter-circle, Brass, E10G	16
3	10-352B-184	Counterweight, Eighth-circle, Brass, E10G	8
3	14-A10M35-05	Screw, M10 35mm, Socket HD, SS	4
3	14-A6M30-05	Screw, M6 30mm, Socket Hd, SS	14
3	14-D3M8-01	Dowel Pin, M3 x 8mm, SS	4
3	15-10M-01	Washer, M10 Spring, SS	4
3	15-6M-01	Washer, M6 Spring, SS 316	14
3	14-A4M20-01	Screw, M4 20mm, PCR, Philips, SS	40
3	15-1/2-01	Washer, 1/2" Spring, SS	4
3	15-4M-01	Washer, M4 Spring, SS	40
2	08-352B-100	Assembly Cable Grouping Gimbal Assembly, E10G	1
3	07-352B-503	Cable, Fiber Management (Shroud) to Chassis (PCU Tracking)	1
3	07-352B-510	Cable, Chassis (PCU) to Chassis (Modem) Power and	1
4	07-0001	Cable, Cat5e, Blue, 100m	0.02
4	20-21W1P-01	PLUG 21W1 with centre RF	2
4	25-I-09	Wire, 19/0.2, Grey PTFE, 20AWG 0.62mm2, Ag/Cu	3
4	25-I-04	Wire, 19/0.2, Brown PTFE, 20AWG 0.62mm2, Ag/Cu	3
4	25-I-141	Wire, 7/0.2, Black PTFE, 24AWG 0.22mm2, Ag/Cu	2
4	25-I-142	Wire, 7/0.2, Red PTFE, 24AWG 0.22mm2, Ag/Cu	2
4	25-I-70	Wire, 7/0.2, Green/Red PVC 0.22mm2, Tin/Cu	1
4	25-I-71	Wire, 7/0.2, White/Black PVC 0.22mm2, Tin/Cu	1
4	26-RG316-01	Cable, Coaxial, RG316, Flex 50ohm	1
4	27-X-39	Backshell, D25, Black Plastic (suit 20-D25M-01)	2
4	A2	Assembly Level 2	0.15
4	30-MDM-01	D-Sub Contacts COAX CONTACT MALE	2

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3	07-352B-511	Cable, Chassis (Modem + PCU) to Chassis (RFU)	1
4	07-0001	Cable, Cat5e, Blue, 100m	0.0054
4	20-C10-01GX	CONN PLUG 10POS STRAIGHT W/PINS	1
4	20-C6-01G	Plug, Circ MIL-C-26482, 10-6p, Sldr, Free Straight, Olive	1
4	21-C12-01G	Socket, Circ MIL-C-26482, 14-12s, Sldr, Free Straight, Olive	1
4	25-I-01	Wire, 19/0.2, Black PTFE, 20AWG 0.62mm2, Ag/Cu	4.16
4	25-I-02	Wire, 19/0.2, Red PTFE, 20AWG 0.62mm2, Ag/Cu	1.04
4	25-I-04	Wire, 19/0.2, Brown PTFE, 20AWG 0.62mm2, Ag/Cu	1.04
4	25-I-05	Wire, 19/0.2, Orange PTFE, 20AWG 0.62mm2, Ag/Cu	1.04
4	25-I-06	Wire, 19/0.2, Blue PTFE, 20AWG 0.62mm2, Ag/Cu	1.04
4	27-S-04	Braided Sleeving 6-9.5mm, Grey	1.54
4	A2	Assembly Level 2	0.15
3	07-352B-513	Cable, Chassis (PCU) to Wide Beacon	1
4	26-RG405-03	Cable, TFlex 405	1.5
4	30-SAM-17	SMA(m), STR, RG405, Solder, 26GHz RATED	2
4	27-H-16	Heatshrink, 6.4mm, Blue	0.04
4	TECH-ASSEMBLY	Technician Assembly	0.15
3	07-352B-517	Cable, Chassis (Modem) to Chassis (RFU) 100MHz	1
4	26-RG316-01	Cable, Coaxial, RG316, Flex 50ohm	0.65
4	30-SAM-04	SMA(m), RG316, Crimp, Gold	2
4	27-H-03	Heatshrink, 4.8mm, White	0.04
4	TECH-ASSEMBLY	Technician Assembly	0.5
3	07-352B-521	Cable, Tx_IF Chassis (Modem) to Chassis (RFU)	2
4	26-RG405-03	Cable, TFlex 405	0.65
4	30-SAM-13	SMA(m), RG405, Solder, Gold	2
4	27-H-03	Heatshrink, 4.8mm, White	0.04
3	07-352B-553	Cable, Chassis (Motor Control Box) to Motor (Azimuth)	1
4	20-C3-04G	Plug, Circ MIL-C-26482, 8-3p, Sldr, Free Straight, Olive	1
4	25-I-18	Wire, 16/0.2, Black PVC 0.5mm2, Tin/Cu	0.7
4	25-I-19	Wire, 16/0.2, Red PVC 0.5mm2, Tin/Cu	0.7
4	25-I-31	Wire, 32/0.2, White PVC 1.0mm2, Tin/Cu	0.7
4	27-H-21	Heatshrink, 3.2mm, White	0.04
4	A2	Assembly Level 2	0.15
4	27-S-05	Braided Sleeving 3-5mm, Grey	1.15
3	07-352B-555	Cable, Chassis (Motor Control Box) to Motor (Elevation)	1
4	20-C3-04G	Plug, Circ MIL-C-26482, 8-3p, Sldr, Free Straight, Olive	2
4	25-I-18	Wire, 16/0.2, Black PVC 0.5mm2, Tin/Cu	0.45
4	25-I-19	Wire, 16/0.2, Red PVC 0.5mm2, Tin/Cu	0.45
4	25-I-31	Wire, 32/0.2, White PVC 1.0mm2, Tin/Cu	0.45
4	27-H-21	Heatshrink, 3.2mm, White	0.08
4	A2	Assembly Level 2	0.3
4	27-S-05	Braided Sleeving 3-5mm, Grey	0.9
3	07-352B-556	Cable, Chassis (PCU) to Chassis (Motor Box)	1
4	07-0001	Cable, Cat5e, Blue, 100m	0.012
4	20-C10-01G	Plug, Circ MIL-C-26482, 12-10p, Sldr, Free, Straight, Olive	1
4	21-C10-03G	Socket, Circ MIL-C-26482, 12-10s, Sldr, Free Straight, Olive	1
4	25-I-04	Wire, 19/0.2, Brown PTFE, 20AWG 0.62mm2, Ag/Cu	3.6
4	25-I-09	Wire, 19/0.2, Grey PTFE, 20AWG 0.62mm2, Ag/Cu	3.6
4	27-S-05	Braided Sleeving 3-5mm, Grey	1.2
4	A2	Assembly Level 2	0.15
4	46-B-13	Cable Shield, Arcade, 26X13X29mm, 4S2F	1
3	07-352B-559	Cable, Chassis (Motor Box, Encoders) to Encoders	1
4	07-0001	Cable, Cat5e, Blue, 100m	0.0258
4	20-C12-03G	Plug, Circ MIL-C-26482, 14-12p, Sldr, Free, Straight, Olive	1
4	21-P10-02	Socket, Vert, 10way, JTEK10, screw lock	2
4	27-H-03	Heatshrink, 4.8mm, White	0.16
4	27-H-14	Heatshrink, 4.8mm, Black	0.08

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4	27-P-11	Contact, Female, JTEK	12
4	27-S-04	Braided Sleeving 6-9.5mm, Grey	0.87
4	27-S-05	Braided Sleeving 3-5mm, Grey	0.8
4	A2	Assembly Level 2	0.15
4	46-B-15	Ferrite Sleeve, 26.6 dia x 18.6mm, apertures: 1, Dia 10.9mm	1
2	14-A6M20-05	Screw, M6 20mm, Socket HD, SS	16
2	15-6M-01	Washer, M6 Spring, SS 316	16
2	11-1170-S	Motor Stator Windings (Applimotion)	1
2	11-0080	Encoder INC-3-125-180101-SSI1-AC1-12-AN	1
2	11-1170-S	Motor Stator Windings (Applimotion)	1
2	11-0080	Encoder INC-3-125-180101-SSI1-AC1-12-AN	1
1	02-352B-10A	ACU and Tracking Assembly, E10G Hi Tx	1
2	02-352B-10	ACU and Tracking Assembly, Tx High, E10G	1
2	BR-2032-BN	BR-2032/BN BATTERY, LITHIUM, BR2032 190MAH	1
2	MA-ZX3-20-21-D10-	Mars ZX3 SoC Module (Zynq)	1
2	10-352B-182	Reducing Bush, M16 male to M8 fem, E10G	4
2	10-352B-185	M8 Threaded Rod SS, 100mm long	4
1	02-352B-155	Dish and Sub-reflector sub-assembly, E10G	1
2	10-352A-78	Sub-Reflector, E-band Feed	1
2	REF-1200-EBAND	1200 Eband Reflector	1
1	02-352B-250	Modem Assembly, E10G	1
2	02-352-250	Standard Modem Assembly, E10G	1
3	02-352A-48	Synthesiser, 5.000GHz, E-band Link	1
3	02-352B-280	Fan sub-assembly, E10G	1
4	02-352B-2801	Fan Assembly Plate Sub-Assembly	1
5	10-352B-281	Fan Assembly Plate	1
5	10-143A-29	Captive Screw, M6x26mm Socket Head	4
5	11-0030	M6 FASTENER BODY	4
5	11-0031	M6 FASTENER SPRING	4
5	11-0032	M6 RETAINER CLIP	4
4	10-352B-282	Fan Cowl, E10G	1
4	14-A3M8-12	Screw, M3 8mm, PCR, SS, w/Captive Washer	6
4	14-A4M8-05	Screw, M4 8mm, Socket Hd, SS	8
4	15-4M-01	Washer, M4 Spring, SS	8
4	07-352B-574	Cable, Fans to Chassis (Modem)	1
5	20-C3-01	Plug, Circ, IP67, 6-3s, Sldr	1
5	27-H-21	Heatshrink, 3.2mm, White	0.04
5	27-S-05	Braided Sleeving 3-5mm, Grey	0.2
3	02-352B-400	IF Tx/Rx Module	1
4	03-352B-400	IF Module Control Board, E-Band Link	1
5	04-352B-400	IF Module Control Board, E-Band Link	1
5	20-H10-05	PCB Header, 10way, w/Friction Lock, Mi-II 2mm, Tin, R/A	1
5	20-H2-01	Pin Header, 2Pin, 2.54mm	4
5	20-H2-10	PCB Header, 2way, w/Friction Lock, Mi-II 2mm, Tin, R/A	1
5	20-H3-01	Pin Header, 3Pin, 2.54mm	2
5	20-H4-07	PCB Header, 4way, w/Friction Lock, Mi-II 2mm, Tin, R/A	1
5	20-V2-02	Plug, VH2, R/A PCB Mt, Tin	1
5	21-P16-03	*Socket, Housing, 8+8way, 2mm	1
5	21-P20-01	Socket, Vert, 10+10way, 2mm, Polarised, Gold - OBSOLETE	1
5	38-F-09	Feedthru, 2C+L, fc=20MHz, 100mA 16V, 0805 size	7
5	41-010U-12	Capacitor, 1206, 10u X7R 10% 25V Ceramic, NiSn	8
5	41-012N-06	Capacitor, 0603, 12n X7R 10% 50V Ceramic, NiSn	1
5	41-01U0-08	Capacitor, 0603, 1u X7R 10% 16V Ceramic, NiSn	8
5	41-04U7-05	Capacitor, 0805, 4u7 X7R 10% 16V Ceramic, NiSn	6
5	41-04U7-08	Capacitor, 1206, 4u7 X7R 10% 50V Ceramic, NiSn	5
5	41-100N-03	Capacitor, 0603, 100n X7R 10% 50V Ceramic, NiSn	51
5	41-100P-06	Capacitor, 0603, 100p NPO 5% 50V Ceramic, NiSn	4

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5	41-470P-06	Capacitor, 0603, 470p NPO 5% 50V Ceramic, NiSn	1
5	44-010K-03	Resistor, 0603, 10k 1% 0.063W	14
5	44-010R-03	Resistor, 0603, 10R 1% 0.063W	3
5	44-012K-03	Resistor, 0603, 12k 1% 0.063W	1
5	44-01K0-03	Resistor, 0603, 1k 1% 0.063W	9
5	44-02K2-03	Resistor, 0603, 2k2 1% 0.063W	6
5	44-03K3-03	Resistor, 0603, 3k3 1% 0.063W	1
5	44-03K9-03	Resistor, 0603, 3k9 1% 0.063W	7
5	44-04K7-03	Resistor, 0603, 4k7 1% 0.063W	6
5	44-510R-03	Resistor, 0603, 510R 1% 0.063W	3
5	45-V02K0-01	Trimpot, M/Turn, 2k 0.25W 6mm Vert, Top Adj, Cermet	2
5	46-B-10	Solid Inductor, 600ohm@100MHz, DCR=0.07, 2.5A, 1206 size	12
5	46-B-12	Solid Inductor, 220ohm@100MHz, DCR=0.04, 2.5A, 0603 size	2
5	50-1G125-33	*Single Buffer, Tri-State HCMOS, SC-70	1
5	52-1014-01	Volt Regulator, 3V, 50mA, LDO, SOT23/5, -40/+125C	1
5	52-284-01	Volt Regulator, -5.0V 500mA, LDO, -40/+85degC, SO-8	1
5	52-3261-01	Voltage Converter, 100mA, MSOP-12, -40/+125C	1
5	52-34072-01	Dual Op Amp, Low Power, -40/125degC, SO-8	3
5	52-3425-01	Voltage Ref, 2.50V +/-0.1%, 8ppm/degC, -40/+125degC, SOT-23/6	1
5	52-4501-01	Volt Regulator, +20V Adj 1.5A, LDO, -40/+125C, SOT-223/6	4
5	53-5724-02	D/A Converter, 12 Bit, SPI, Bipolar Voltage Out, TSSOP_EP-24	1
5	57-1002-03	LED, Yellow, 0805, 40mcd @ 20mA	1
5	57-190-01	LED, Green, 0603, 35mcd @ 20mA	5
5	60-10BQ060-01	Diode, Schottky, 1A 60V, SMB	1
5	60-BAS16-01	Diode, Switching, 75V 200mA, SOT-23	4
5	62-BC858-01	Transistor, PNP Si, GenPur 30V 100mA, SOT-23	2
5	63-2N7002-01	FET, MOS, Nch, 0.2A 60V, Rds=7.5ohm, SOT-23	1
5	63-5203-01	FET, MOS, Pch, 3A 30V, Rds=0.1ohm, SOT-23	1
4	03-352B-401	Rx IF Board with IF Repeater, E-Band Link	1
5	04-352B-401	Rx IF Board with IF Repeater, E-Band Link	1
5	20-H40-02	Pin Header, 20+20way, 2row 2mm, Gold	0.4
5	33-0016	Divider/Combiner, 90deg Hybrid, 4-8GHz, 0805 size	1
5	33-0017	Attenuator, DC-10GHz, 1dB, 0805 size	11
5	33-0025	Divider/Combiner, 2way 0deg, 2700-7200MHz, 3x3 SMD	2
5	33-0027	*Attenuator, DC-10GHz, 2dB, 0805 size	2
5	33-0028	*Attenuator, DC-10GHz, 3dB, 0805 size	1
5	33-0029	*Attenuator, DC-10GHz, 5dB, 0805 size	1
5	38-F-09	Feedthru, 2C+L, fc=20MHz, 100mA 16V, 0805 size	2
5	38-L-26	Filter, LTCC Low Pass, 1200MHz, 1206 size	2
5	38-L-27	Filter, LTCC High Pass, 3500MHz, 1206 size	1
5	38-X-07	Filter, Low Pass, 1100MHz, SMD 18.8x11.2x6.9	2
5	41-010P-05	Capacitor, 0402, 10p NPO 5% 50V Ceramic, NiSn	2
5	41-01N0-06	Capacitor, 0603, 1n X7R 10% 50V Ceramic, NiSn	5
5	41-01P0-05	Capacitor, 0402, 1p NPO +/-0.1p 50V Ceramic, NiSn, Low ESR	2
5	41-01U0-07	Capacitor, 0805, 1u X7R 10% 50V Ceramic, NiSn	2
5	41-022P-06	Capacitor, 0603, 22p NPO 5% 50V Ceramic, NiSn	19
5	41-022U-03	Capacitor, 1210, 22u X7R 25V, Ceramic	4
5	41-03P9-05	Capacitor, 0402, 3p9 NPO +/-0.1p 50V Ceramic, NiSn, Low ESR	15
5	41-04P7-07	Capacitor, 0603, 4p7 +/-0.25p NPO 250V Ceramic, NiSn	1
5	41-100N-04	Capacitor, 0402, 100n X7R 10% 16V Ceramic, NiSn	13
5	41-100P-05	Capacitor, 0402, 100p NPO 5% 50V Ceramic, NiSn	2
5	41-100P-06	Capacitor, 0603, 100p NPO 5% 50V Ceramic, NiSn	4
5	41-560P-06	Capacitor, 0603, 560p NPO 5% 50V Ceramic, NiSn	2
5	44-010R-10	Resistor, 0402, 10R 1% 0.063W	1
5	44-015R-09	Resistor, 0805, 15R 1% 0.1W	4
5	44-01K5-03	Resistor, 0603, 1k5 1% 0.063W	4

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5	44-022R-03	Resistor, 0603, 22R 1% 0.063W	1
5	44-022R-09	Resistor, 0805, 22R 1% 0.1W	1
5	44-027R-09	Resistor, 0805, 27R 1% 0.1W	1
5	44-039R-09	Resistor, 0805, 39R 1% 0.1W	12
5	44-051R-10	Resistor, 0402, 51R 5% 0.063W	1
5	44-082R-03	Resistor, 0603, 82R 1% 0.063W	2
5	44-082R-10	Resistor, 0402, 82R 1% 0.063W	3
5	44-0R22-03	Resistor, 0603, 0R22 1% 0.125W	2
5	44-100R-03	Resistor, 0603, 100R 1% 0.063W	2
5	44-120R-03	Resistor, 0603, 120R 1% 0.063W	2
5	46-010N-04	Inductor, Chip, 10nH 5%, SRF=5.2GHz, 0402	7
5	46-022N-03	Inductor, Chip, 22nH 5%, SRF=4.4GHz, 0402	1
5	46-03U3-01	Inductor, Chip, 3u3H 10%, 0805, SIMID08B Series	2
5	46-047N-02	Inductor, Chip, 47nH 5%, SRF=2.9GHz, 0402	2
5	46-3T-02	Inductor, Air Wound, 3 Turn, 0.4mm wire, 2.2mm former	1
5	46-470N-01	Inductor, Chip, 470nH 5%, 0805, SIMID08B Series	2
5	46-B-08	Solid Inductor, 600ohm@100MHz, DCR=0.40, 500mA, 0603 size	3
5	46-B-10	Solid Inductor, 600ohm@100MHz, DCR=0.07, 2.5A, 1206 size	3
5	46-B-11	Solid Inductor, 600ohm@100MHz, DCR=0.52, 0.3A, 0402 size	2
5	53-HMC347-01	RF Switch, SPDT, DC-14GHz, IL=1.6dB, I=40dB, P=22dBm, -5V,	1
5	57-1002-02	LED, Green, 0805, 20mcd @ 20mA	4
5	58-29-01	MMIC, DC-7GHz, G=15dB, P=11dBm, N=6dB, 3.6V/40mA SOT-89	6
5	58-CMA63-01	*MMIC, DC-6GHz, G=20dB, P=18dBm, N=3.9dB @2G, 5V/69mA	2
5	58-GVA123-01	*MMIC, 0.05-8GHz, G=16dB, P=16 NF=4dB @2GHz, SOT-89	1
5	58-GVA84-01	MMIC, 0.01-7GHz, G=18dB, P=20 NF=5dB @2GHz, SOT-89	1
5	58-HMC346-01	MMIC, Attenuator, DC-14GHz, 30dB, Voltage Variable, LC3	1
5	58-MNA7-01	*MMIC, 1.5-5.9GHz, G=17dB, P=15 NF=6.9dB @2GHz, 3x3 SMD	1
5	61-SE230-01	Gas Arrestor, 230V, 0.5kA, 1206 SMD	1
5	63-5203-01	FET, MOS, Pch, 3A 30V, Rds=0.1ohm, SOT-23	1
5	64-HMC787-01	Mixer, Dbl Bal, 3-10GHz, IF=DC-4GHz, LO=+17dBm, LC3B	2
4	03-352B-402	Tx IF Board with IF Repeater, E-Band Link	1
5	04-352B-402	Tx IF Board with IF Repeater, E-Band Link	1
5	20-H40-02	Pin Header, 20+20way, 2row 2mm, Gold	0.5
5	33-0016	Divider/Combiner, 90deg Hybrid, 4-8GHz, 0805 size	1
5	33-0017	Attenuator, DC-10GHz, 1dB, 0805 size	3
5	33-0025	Divider/Combiner, 2way 0deg, 2700-7200MHz, 3x3 SMD	1
5	33-0028	*Attenuator, DC-10GHz, 3dB, 0805 size	7
5	33-0029	*Attenuator, DC-10GHz, 5dB, 0805 size	3
5	38-F-09	Feedthru, 2C+L, fc=20MHz, 100mA 16V, 0805 size	2
5	38-L-19	Filter, LTCC Low Pass, 6400MHz, 1206 size	1
5	38-L-26	Filter, LTCC Low Pass, 1200MHz, 1206 size	2
5	38-L-27	Filter, LTCC High Pass, 3500MHz, 1206 size	1
5	38-X-07	Filter, Low Pass, 1100MHz, SMD 18.8x11.2x6.9	2
5	41-010P-05	Capacitor, 0402, 10p NPO 5% 50V Ceramic, NiSn	2
5	41-01N0-05	Capacitor, 0402, 1n X7R 10% 50V Ceramic, NiSn	4
5	41-01N0-06	Capacitor, 0603, 1n X7R 10% 50V Ceramic, NiSn	2
5	41-01U0-03	Capacitor, 0805, 1u X7R 10% 25V Ceramic, NiSn	1
5	41-01U0-08	Capacitor, 0603, 1u X7R 10% 16V Ceramic, NiSn	2
5	41-022P-05	*Capacitor, 0402, 22p NPO 5% 50V Ceramic, NiSn	9
5	41-022P-06	Capacitor, 0603, 22p NPO 5% 50V Ceramic, NiSn	5
5	41-022U-03	Capacitor, 1210, 22u X7R 25V, Ceramic	4
5	41-02P2-05	Capacitor, 0402, 2p2 NPO +/-0.1p 50V Ceramic, NiSn, Low ESR	1
5	41-03P9-05	Capacitor, 0402, 3p9 NPO +/-0.1p 50V Ceramic, NiSn, Low ESR	14
5	41-04P7-07	Capacitor, 0603, 4p7 +/-0.25p NPO 250V Ceramic, NiSn	1
5	41-0P68-06	Capacitor, 0603, 0p68 NPO 5% 50V Ceramic, NiSn	1
5	41-100N-03	Capacitor, 0603, 100n X7R 10% 50V Ceramic, NiSn	2

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5	41-100N-04	Capacitor, 0402, 100n X7R 10% 16V Ceramic, NiSn	24
5	41-100P-05	Capacitor, 0402, 100p NPO 5% 50V Ceramic, NiSn	5
5	41-100P-06	Capacitor, 0603, 100p NPO 5% 50V Ceramic, NiSn	6
5	41-470P-05	Capacitor, 0402, 470p X7R 10% 50V Ceramic, NiSn	1
5	41-560P-06	Capacitor, 0603, 560p NPO 5% 50V Ceramic, NiSn	2
5	44-000R-10	Resistor, 0402, 0R 1% 0.063W	2
5	44-010K-03	Resistor, 0603, 10k 1% 0.063W	3
5	44-010K-10	Resistor, 0402, 10k 1% 0.063W	2
5	44-015K-10	Resistor, 0402, 15k 1% 0.063W	2
5	44-015R-09	Resistor, 0805, 15R 1% 0.1W	4
5	44-018R-10	Resistor, 0402, 18R 1% 0.063W	1
5	44-01K5-03	Resistor, 0603, 1k5 1% 0.063W	5
5	44-022R-03	Resistor, 0603, 22R 1% 0.063W	1
5	44-022R-09	Resistor, 0805, 22R 1% 0.1W	1
5	44-027R-09	Resistor, 0805, 27R 1% 0.1W	1
5	44-02K2-03	Resistor, 0603, 2k2 1% 0.063W	1
5	44-02K2-10	Resistor, 0402, 2k2 1% 0.063W	2
5	44-02R2-03	Resistor, 0603, 2R2 1% 0.063W	1
5	44-033R-10	Resistor, 0402, 33R 1% 0.063W	1
5	44-039R-09	Resistor, 0805, 39R 1% 0.1W	4
5	44-03K9-10	Resistor, 0402, 3k9 1% 0.063W	2
5	44-051R-10	Resistor, 0402, 51R 5% 0.063W	2
5	44-082R-03	Resistor, 0603, 82R 1% 0.063W	2
5	44-0R22-03	Resistor, 0603, 0R22 1% 0.125W	2
5	44-100K-03	Resistor, 0603, 100k 1% 0.063W	2
5	44-100R-10	Resistor, 0402, 100R 1% 0.063W	5
5	44-120R-03	Resistor, 0603, 120R 1% 0.063W	2
5	44-220R-03	Resistor, 0603, 220R 1% 0.063W	1
5	44-330R-10	Resistor, 0402, 330R 1% 0.063W	1
5	44-470R-10	Resistor, 0402, 470R 1% 0.063W	1
5	44-560R-10	Resistor, 0402, 560R 1% 0.063W	1
5	44-820R-03	Resistor, 0603, 820R 1% 0.063W	1
5	46-010N-04	Inductor, Chip, 10nH 5%, SRF=5.2GHz, 0402	3
5	46-022N-03	Inductor, Chip, 22nH 5%, SRF=4.4GHz, 0402	1
5	46-03U3-01	Inductor, Chip, 3u3H 10%, 0805, SIMID08B Series	2
5	46-047N-02	Inductor, Chip, 47nH 5%, SRF=2.9GHz, 0402	2
5	46-3T-02	Inductor, Air Wound, 3 Turn, 0.4mm wire, 2.2mm former	1
5	46-470N-01	Inductor, Chip, 470nH 5%, 0805, SIMID08B Series	2
5	46-B-08	Solid Inductor, 600ohm@100MHz, DCR=0.40, 500mA, 0603 size	10
5	46-B-10	Solid Inductor, 600ohm@100MHz, DCR=0.07, 2.5A, 1206 size	2
5	46-B-11	Solid Inductor, 600ohm@100MHz, DCR=0.52, 0.3A, 0402 size	4
5	50-04-20	Single Inverter, ACT, -40/+125degC, SOT-353	2
5	52-922-01	Dual Op Amp, Lo Noise/Hi Current, Rail-Rail, 12V, SO-8	1
5	53-HMC347-01	RF Switch, SPDT, DC-14GHz, IL=1.6dB, I=40dB, P=22dBm, -5V,	2
5	54-8317-01	RF Detector/Controller, 0.001-10GHz, 50dB, 8-LFCSP_VD	1
5	57-1002-01	LED, Red, 0805, 70mcd @ 20mA	1
5	57-1002-02	LED, Green, 0805, 20mcd @ 20mA	3
5	57-1002-03	LED, Yellow, 0805, 40mcd @ 20mA	1
5	58-29-01	MMIC, DC-7GHz, G=15dB, P=11dBm, N=6dB, 3.6V/40mA SOT-89	2
5	58-CMA63-01	*MMIC, DC-6GHz, G=20dB, P=18dBm, N=3.9dB @2G, 5V/69mA	2
5	58-GVA123-01	*MMIC, 0.05-8GHz, G=16dB, P=16 NF=4dB @2GHz, SOT-89	1
5	58-GVA84-01	MMIC, 0.01-7GHz, G=18dB, P=20 NF=5dB @2GHz, SOT-89	1
5	58-HMC346-01	MMIC, Attenuator, DC-14GHz, 30dB, Voltage Variable, LC3	3
5	58-MNA7-01	*MMIC, 1.5-5.9GHz, G=17dB, P=15 NF=6.9dB @2GHz, 3x3 SMD	1
5	60-1PS76-01	Diode, Schottky, 30V 200mA, SOD-323 (bat54 equiv)	1
5	60-BAS31-01	Diode, Switching, Dual, 75V 200mA SOT-23	1

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5	60-Z5V1-01	Diode, Zener, 5V1 5% 0.3W SOT-23	1
5	61-SE230-01	Gas Arrestor, 230V, 0.5kA, 1206 SMD	1
5	62-BC846-01	Transistor, NPN Si, GenPur 65V 100mA, SOT-323	1
5	63-2N7002-01	FET, MOS, Nch, 0.2A 60V, Rds=7.5ohm, SOT-23	2
5	63-5203-01	FET, MOS, Pch, 3A 30V, Rds=0.1ohm, SOT-23	2
5	64-HMC787-01	Mixer, Dbl Bal, 3-10GHz, IF=DC-4GHz, LO=+17dBm, LC3B	2
4	10-352B-401	IF Module Chassis	1
4	10-352B-402	IF Module Bottom Lid	1
4	10-352B-403	IF Module Top Lid	1
4	10-352B-414	Drop in wall Rx side IF module	1
4	10-352B-415	Drop in wall Tx side IF module	1
4	10-352B-416	Lid, Drop in wall Rx side IF module	1
4	10-352B-417	Lid, Drop in wall Tx side IF module	1
4	14-A2.5M5-12	Screw, M2.5 5mm, PCR, SS, w/Captive Washer	64
4	14-A2M6-03	Screw, M2 6mm, CSK, Philips, SS	64
4	14-A2M6-12	Screw, M2 6mm, PCR, SS, w/Captive Washer	60
4	30-SAF-12	SMA(f), 4Hole, ExtStubDiel, Gold	16
4	VAT5+	Attenuator 5dB SMA to SMA	2
3	02-352B-410	Clocking Module	1
4	03-352B-220	PCB Eband Freq Source/Clocking Board	1
5	41-0P56-05	Capacitor, 0402, 0p56 NPO 5% 50V Ceramic, NiSn	1
5	04-352B-220	Eband Freq Source/Clocking Board	1
5	06031A150JAT2A	Capacitor Chip 0603 Ceramic 15pF 100V 5%Tol.	1
5	12105C105KAT2A	CAP CER 1UF 50V 10% X7R 1210	1
5	4701-002MLF	6800pF Pi Filter Tusonix 100V, 10ADC	1
5	500R07S200JV4T	Capacitor Chip 0402 High Freq. NPO 20pF 5% 50V	1
5	600L0R5BT	Capacitor Chip 600L 0.5pF 200V +/-0.1pF	1
5	600L1R0BT	Capacitor Chip 600L 1.0pF 200V +/-0.1pF	1
5	600L5R6BT	Capacitor Chip NPO 600L 5.6pF 200V +/-0.1pF	2
5	600S100GT	Capacitor Chip 600S NPO 10pF 250V 2%	4
5	600S101JT250XT	Capacitor Chip 600S 100pF 250V 5%	5
5	600S3R3BT	Capacitor Chip 600S 3.3pF 250V +/-0.1pF	1
5	600S3R9BT	Capacitor Chip 600S 3.9pF 250V +/-0.1pF	1
5	744760312C	IND 1.2uH 150MA 4.6OHM	1
5	87227-5	Header DIL Vertical 10-Way Pitch 2.54mm Surface Mount	1
5	AD5668BRUZ-3	DAC16-bit OCT 2.5V 16TSSOP	1
5	AOCJY-100.000MHZ	Oven Controlled Crystal Oscillator 100MHz +/-5ppb 0°C to 50°C	1
5	APTL3216CGCK	LED Green1206 Clear 3.2X1.6MM	1
5	BFCN-2435+	BFCN-2435+ 2340-2530MHz Bandpass Filter	1
5	C0402C182J5RACTU	Capacitor Chip 0402 Ceramic X7R 1800pF 5% 50V	1
5	C0603C102K5RACT	Capacitor Chip 0603 Ceramic X7R 1000pF 10% 50V	5
5	C0603C103K5RACT	Capacitor Chip 0603 Ceramic X7R 0.01uF 10% 50V	4
5	C0603C220K3GACT	Capacitor Chip 0603 Ceramic NPO 22pF 25V 10%.	2
5	C0805C102K5RACT	Capacitor Chip 0805 Ceramic X7R 1000pF 50V 10%Tol.	1
5	C0805C103K1RACT	Capacitor Chip 0805 Ceramic X7R 0.01 uF 10% 100V	2
5	C0805C475K4RACT	Capacitor Chip 0805 Ceramic X7R 4.7uF 10% 16V	3
5	C1210C104K1RACA	Capacitor Chip 1210 Ceramic X7R 0.1uF 100V 10%Tol.	1
5	C1608X7R1C474K08	Capacitor Chip 0603 Ceramic X7R 0.47uF 16V 10%.	8
5	C1608X7R1H104K08	Capacitor Chip 0603 Ceramic X7R 0.1uF 10% 50V	8
5	C2012X7R1H104K12	Capacitor Chip 0805 Ceramic X7R 0.1uF 10% 50V	2
5	CI100505-1N0D	1.0nH Multi Layer Chip Inductor	10
5	CI160808-4N7D	4.7nH Multi Layer Chip Inductor	2
5	CI160808-8N2J	8.2nH Multi Layer Chip Inductor 0603 size	5
5	CL21B106KPQNNNE	CAP 10UF 10V 10% X7R 805	5
5	CRCW0402100RJNE	Resistor Chip 0402 0.125W 100 Ohm 5% 100ppm	8
5	CRCW06030000Z0E	Resistor Chip 0603 0.25W 0 Ohm	4
5	CRCW0603100RJNE	Resistor Chip 0603 0.25W 100 Ohm 5% 100ppm	2

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5	CRCW060310K0JNE	Resistor Chip 0603 0.1W 10K 5% 100ppm	4
5	CRCW0603150RJNE	Resistor Chip 0603 0.25W 150 Ohm 1% 100ppm	8
5	CRCW06031K00JNE	Resistor Chip 0603 0.25W 1K 5% 200ppm	9
5	CRCW06031K80JNE	Resistor Chip 0603 0.1W 1.8K 5% 200ppm	1
5	CRCW060327R0JNE	Resistor Chip 0603 0.1W 27 Ohm 5% 200ppm	1
5	CRCW06032K20FKE	Resistor Chip 0603 0.1W 2.2K 1% 100ppm	1
5	CRCW0603330RJNE	Resistor Chip 0603 0.1W 330 Ohm 5% 200ppm	1
5	CRCW060336R0FKE	Resistor Chip 0603 0.1W 36 Ohm 1% 100ppm	6
5	CRCW060340K2FKE	RES 40.2K 0.1W 5% 603	1
5	CRCW121022R0JNE	Resistor Chip 1210 0.75W 22 Ohm 5% 200ppm	1
5	CRM0805-FX-R100E	Resistor Chip 0805 0.25W 0.1 Ohm 1% 100ppm	3
5	DLW5BTN101SQ2L	Common Mode Choke Coil for Large current 6A, 100Ohm	2
5	ERJ-2GEJ2R0X	Resistor Chip 0402 0.1W 2 Ohm 5% 100ppm	1
5	ERJ-3EKF10R0V	Resistor Chip 0603 0.1W 10 Ohm 1% 100ppm	1
5	ERJ-3GEYJ120V	Resistor Chip 0603 0.1W 12 Ohm 5% 100ppm	11
5	EXT P&P	External Pick and Place	153
5	GP2Y1	2-Way 0 degree splitter 1.5-4.4GHz	2
5	41-100N-04	Capacitor, 0402, 100n X7R 10% 16V Ceramic, NiSn	7
5	GRM1885	Capacitor Chip 0603 Ceramic X7R 100pF 5% 100V	3
5	GRM21BR71C225KA	Capacitor Chip 0805 Ceramic X7R 2.2uF 10% 16V	6
5	HMC1060LP3E	Quad Low Noise Linear Voltage Regulator	1
5	HMC606LC5TR	IC AMP LOW PHASE NOISE 32SMD	1
5	HMC833LP6GE	Wide Band Fractional PLL with VCO 25-6000MHz	1
5	HMC928LP5E	HMC928LP5E 450 Analog Phase Shifter	6
5	KRL1632E-M-R100-F	Resistor Chip 1206 0.75W 0.1 Ohm 1% 50ppm	1
5	LFCN2750+	LFCN2750+ 2.75GHz LPF	6
5	MGA-30989-BLKG	2.0-6.0GHz MMIC RF Amp.	5
5	MGA-31689-BLKG	1.5-3.0GHz RF High Gain 0.5W Amplifier.	1
5	MMBT3904	NPN General purpose Transistor	1
5	PM0603-18NJ-RC	18nH 0603 Size Chip Inductor 5%	1
5	PM0603-47NJ-RC	47nH 0603 Size Chip Inductor 5%	1
5	PM0805-12NM-RC	12nH Chip Inductor 20%	1
5	RC0603FR-07294RL	Resistor Chip 0603 0.1W 294 Ohm 1% 100ppm	2
5	RC0603FR-073KL	Resistor Chip 0603 0.1W 3K 1% 100ppm	1
5	RC0603JR-07180RL	Resistor Chip 0603 0.1W 180 Ohm 5% 100ppm	3
5	RC0603JR-0718RL	Resistor Chip 0603 0.1W 18 Ohm 5% 100ppm	1
5	RC0603JR-071K1L	Resistor Chip 0603 0.1W 1.1K 5% 200ppm	1
5	RC0603JR-07220RL	Resistor Chip 0603 0.1W 220 Ohm 5% 100ppm	1
5	RC0603JR-072KL	Resistor Chip 0603 0.1W 2K 5% 100ppm	6
5	RC0603JR-07430RL	Resistor Chip 0603 0.1W 430 Ohm 5% 100ppm	20
5	SBF5089ZSQ	DC-500MHz RF Amp	1
5	SCP-4-1W+	10 to 650MHz 4-Way Splitter 1W	1
5	SXBP-100+	Band Pass Filter	2
5	T491A106K010AT	10uF Tantalum Chip Capacitor, Standard - 10V 10%Tol.	5
5	T491A475M010AT	4.7uF Tantalum Chip Capacitor, Standard - 10V 20%Tol.	3
5	T491C105M050AT	1.0uF Tantalum Chip Capacitor, T491 Series 50V 20%Tol.	2
5	T491D106M35AH	10uF Tantalum Chip Capacitor, 35V 20%Tol.	4
5	TL1963A-33KTTR	Fixed 3.3V Regulator 1.5A TO-263 package	1
5	TL1963AKTTR	Adjustable Voltage Regulator 1.5A TO-263 package	3
5	TPS7A4501DCQR	IC REG LDO ADJ 1.5A SOT223-6	1
5	TVA0200N05S	TVA0200N05S 2dB Thermal Pad	6
5	VJ0402D390JXAAJ	Capacitor Chip 0402 Ceramic NPO 39pF 5% 50V	10
5	WP4U1+	4-Way 0 degree splitter 1.875 - 2.800GHz WP4U1+	1
5	XC6201P332PR-G	XC6201 3.3V, 150mA Voltage regulator	1
4	07-352B-565	Cable, FSM Board to Chassis (FSM)	1
5	21-I10-04	Socket, IDC, 10pin, Polarised	1
5	25-R10-01	Cable, Ribbon, 10 Way, Grey	0.06

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5	20-D9-04	Plug, D9, IDC, Metal Shell	1
4	10-352B-411	Clocking Module Chassis	1
4	10-352B-412	Clocking Module Bottom Lid	1
4	10-352B-413	Clocking Module Top Lid	1
4	14-A3M8-04	Screw, M3 8mm, CSK, Philips, SS	13
4	30-SAF-06	SMA(f), 2Hole, Ext Thin Stub, Gold	12
4	14-A2M8-02	Screw, M2 8mm, CSK, Philips, SS	23
4	14-A3M8-12	Screw, M3 8mm, PCR, SS, w/Captive Washer	9
4	14-A2M6-12	Screw, M2 6mm, PCR, SS, w/Captive Washer	1
4	15-2.5M-01	Washer, M2.5 Spring, SS	24
3	03-352B-12	Power Supply Board, 13V, 8V, 2x6V, -6V, Modem/IF/RF	1
4	04-352B-12	Power Supply Board, 7.2, 8V, 2x6V, -6V, Modem/IF/RF	1
4	20-H4-01	PCB Header, 4way, w/Friction Lock, Mi-II 2mm, Tin	2
4	20-V2-01	Plug, VH2, PCB Mt, Tinned	2
4	20-V4-01	Plug, VH4, PCB Mt, Tinned	1
4	20-V6-01	Plug, VH6, PCB Mt, Tinned	1
4	20-V8-01	Plug, VH8, PCB Mt, Tinned	1
4	40-02U2-09	Capacitor, 2u2 100V 10% 7.5mm, Film, Polyester	1
4	40-100U-12	Electrolytic, 100u 63V 20% 5mm, D10x12.5, Low ESR	1
4	40-220N-01	Capacitor, 220n 5% 0.3in 100V, Film, Polyester	4
4	41-010N-01	Capacitor, 0805, 10n X7R 10% 50V Ceramic, NiSn	4
4	41-010N-03	Capacitor, 1206, 10n X7R 10% 200V Ceramic, NiSn	8
4	41-010U-06	Capacitor, 1206, 10u X5R 10% 16V Ceramic, NiSn	2
4	41-01U0-03	Capacitor, 0805, 1u X7R 10% 25V Ceramic, NiSn	1
4	41-04U7-04	Capacitor, 1206, 4u7 X5R 10% 25V Ceramic, NiSn	1
4	41-180P-01	Capacitor, 0805, 180p NPO 5% 50V Ceramic, NiSn	1
4	44-015K-09	Resistor, 0805, 15k 1% 0.1W	1
4	44-018K-09	Resistor, 0805, 18k 1% 0.1W	1
4	44-01K0-09	Resistor, 0805, 1k 1% 0.1W	1
4	44-01K8-09	Resistor, 0805, 1k8 1% 0.1W	1
4	44-022K-09	Resistor, 0805, 22k 1% 0.1W	1
4	44-027K-09	Resistor, 0805, 27k 1% 0.1W	2
4	44-039K-09	Resistor, 0805, 39k 1% 0.1W	1
4	44-03K3-09	Resistor, 0805, 3k3 1% 0.1W	1
4	44-03K9-09	Resistor, 0805, 3k9 1% 0.1W	1
4	44-047K-09	Resistor, 0805, 47k 1% 0.1W	1
4	44-056K-09	Resistor, 0805, 56k 1% 0.1W	2
4	44-068K-09	Resistor, 0805, 68k 1% 0.1W	3
4	44-082K-09	Resistor, 0805, 82k 1% 0.1W	1
4	44-08K2-09	Resistor, 0805, 8k2 1% 0.1W	4
4	44-100K-09	Resistor, 0805, 100k 1% 0.1W	2
4	44-120K-09	Resistor, 0805, 120k 1% 0.1W	1
4	44-220K-09	Resistor, 0805, 220k 1% 0.1W	2
4	44-330K-09	Resistor, 0805, 330k 1% 0.1W	1
4	44-470K-09	Resistor, 0805, 470k 1% 0.1W	1
4	46-04U7-20	Inductor, Chip, 4u7H 10% SRF=145MHz 2.2R, SIMID1210A Ser	3
4	46-X-39	Choke, Common Mode, 5.7A, 28uH, Horiz, SMD	1
4	52-1931-01	Switching Conv/Reg, Adj, 300mA, Lo Noise, 2.2MHz, SOT-23/5	1
4	57-1002-02	LED, Green, 0805, 20mcd @ 20mA	5
4	60-140-01	Diode, Schottky, 1A 40V, PowerMite	1
4	60-BAS32-01	Diode, Switching, 75V 200mA SOD-80	4
4	61-68V-02	Transorb, 1.5kW, Vwm=68V Unipolar, SMC	1
3	03-352B-210	Eband Modem	1
4	1888674-1	CONN QSFP CAGE SINGLE PORT	1
4	2-1761606-3	CONN HEADER PIN 10POS VERT GOLD	3
4	28F0121-0SR-10	FERRITE 10A 48 OHM SMD	4
4	44-680R-10	Resistor, 0402, 680R 1% 0.063W	1



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4	500R07S100GV4T	CAP CER 10pF 50V 2% NPO 0402	12
4	565790519	CONN RECEPT USB 5POS RT ANG PCB	1
4	7-1879208-3	Resistor Chip 0402 0.063W 10k 0.1% 25ppm	4
4	742841210	FERRITE BEAD 1000 OHM .05A 0402	5
4	878311420	CONN HEADER 14POS 2MM VERT GOLD	1
4	AD9739BBCZ	IC DAC 14BIT 2.5GSPS RF 160-BGA	4
4	APHHS1005CGCK	LED 1X0.5MM 570NM GN WTR CLR SMD	2
4	APHHS1005SECK	LED 1X0.5MM 601NM ORN WTRCLR SMD	2
4	BK20104W241-T	FERRITE BEAD ARRAY 240 OHM 0804	4
4	BKP1005HS121-T	FERRITE BEAD 120 OHM 0402	13
4	BLM15BB050SN1D	FERRITE CHIP 5 OHM 500MA 0402	4
4	BLM18AG121SN1D	FERRITE CHIP 120 OHM 500MA 0603	23
4	C0402JB0G222K020	CAP CER 2200PF 4V 10% JB 01005	15
4	C1005JB1A105K050	CAP CER 1UF 10V 10% JB 0402	17
4	C1608JB0J226M080	CAP CER 22UF 6.3V 20% JB 0603	29
4	C1608JB1E106M080	CAP CER 10UF 25V 20% JB 0603	9
4	C3216JB1A107M160	CAP CER 100uF 10V 20% JB 1206	52
4	C3216JB1E226M160	CAP CER 22UF 25V 20% JB 1206	8
4	CIV05J182NC	FERRITE CHIP 1800 OHM 200MA 0402	1
4	CL05C470JB5NNNC	CAP CER 47PF 50V 5% NPO 0402	8
4	CRA04P083220RJTD	RES ARRAY 220 OHM 4 RES 0804	1
4	CRCW0402220RFKE	RES SMD 220 OHM 1% 1/16W 0402	6
4	44-330R-10	Resistor, 0402, 330R 1% 0.063W	3
4	44-04K7-10	Resistor, 0402, 4k7 1% 0.063W	2
4	CRCW040260K4FKE	RES SMD 60.4K OHM 1% 1/16W 0402	1
4	CRCW0402866RFKE	RES SMD 866 OHM 1% 1/16W 0402	1
4	ECS-2033-120-BN	OSC XO 12.000MHZ HCMOS SMD	1
4	ECS-2033-250-BN	OSC XO 25.000MHZ HCMOS SMD	1
4	ERA-2AEB271X	RES 270 0.063W 1% 402	2
4	ERJ-1GEF24R9C	RES SMD 24.9 OHM 1% 1/20W 0201	8
4	ERJ2GE0R00X	RES SMD 0.0 OHM JUMPER 1/10W	5
4	ERJ-2GEJ123X	RES 12K 0.1W 5% 402	1
4	ERJ-2GEJ124X	RES SMD 120K OHM 5% 1/10W 0402	4
4	44-01K0-10	Resistor, 0402, 1k 1% 0.063W	13
4	ERJ-2RKF1004X	RES SMD 1M OHM 1% 1/10W 0402	1
4	ERJ-2RKF1332X	RES SMD 13.3K OHM 1% 1/10W 0402	1
4	ERJ-2RKF30R9X	RES SMD 30.9 OHM 1% 1/10W 0402	4
4	ERJ-2RKF49R9X	RES SMD 49.9 OHM 1% 1/10W 0402	2
4	ERJ-2RKF62R0X	RES SMD 62 OHM 1% 1/10W 0402	2
4	ERJ-2RKF75R0X	RES 75 0.1W 1% 402	1
4	ERJ-2RKF9092X	RES SMD 90.9K OHM 1% 1/10W 0402	1
4	EV10AQ190VTPY	Low power QUAD 10-bit 1.25 Gbps ADC	2
4	EXB-28V102JX	RES ARRAY 1K OHM 4 RES 0804	2
4	EXB-N8V122JX	RES ARRAY 1.2k x4 804	1
4	F0603G0R20FNTR	FUSE BOARD MNT 200MA 32VDC 0603	1
4	FBMJ4516HS720NT	FERRITE BEAD 72 OHM 1806	2
4	FS1-R38-2000	QSFP CONNECTOR 38 POS GOLD	1
4	FT2232H	IC USB HS DUAL UART/FIFO 64-QFN	1
4	FXO-LC735RGB-156.	OSC 156.25 MHz 3.3V LVDS	1
4	GRM1555C1H270JA	CAP CER 27PF 50V 5% NPO 0402	1
4	41-100N-04	Capacitor, 0402, 100n X7R 10% 16V Ceramic, NiSn	13
4	KMR221GLFS	SWITCH TACTILE SPST-NO 0.05A 32V	1
4	LLM215C70G225ME1	CAP CER 2.2uF 4V 20% X7S 0805	57
4	LLM215R71C104MA	CAP CER 0.1UF 16V 20% X7R 0805	4
4	LTM4628EY#PBF	C DC/DC UMODULE 16A 144-BGA	4
4	20-H14-02	PCB Header, 7+7way, 2mm, Polarised, Jackscrew, Gold	1
4	M93C46-WMN6TP	IC EEPROM 1KBIT 2MHZ 8SO	1

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4	MAX6101EUR+TCT	IC VREF SERIES 1.25V SOT23-3	1
4	MAX6686AU75L	IC SW TEMP DUAL OUT 8-UMAX	1
4	MAX6697UP34+	IC TEMP MON 7CH PREC 20TSSOP	1
4	MAX8557	IC REG LDO ADJ 4A 16TQFN	2
4	MAX9180	IC REDRIVER LVDS 1CH SC70-6	2
4	44-010K-10	Resistor, 0402, 10k 1% 0.063W	8
4	MERA-533+	Dual Matched MMIC Amplifier DC to 4Ghz	2
4	NCS2-33+	RF Transformer 1500 to 3100 MHz	6
4	NCS2-83+	RF XFMR	2
4	44-100R-10	Resistor, 0402, 100R 1% 0.063W	11
4	44-02K2-10	Resistor, 0402, 2k2 1% 0.063W	3
4	44-110R-10	RES 110R 0.063W 1% 402	2
4	44-150R-10	Resistor, 0402, 150R 1% 0.063W	3
4	RMCF0402FT29K4	RES SMD 29.4K OHM 1% 1/16W 0402	1
4	SL869GNS315T002	SL869GNS315T002	1
4	SN74AUP1G08DCK	IC GATE AND 1CH 2-INP SC-70-5	3
4	SN74AVC8T245RHL	IC BUS TRANSCVR 8BIT 24QFN	6
4	SST3904	TRANS NPN 40V 0.2A SST3	4
4	TC1-1-13M+	RF Transformer 4.5 to 3000 MHz	4
4	TPS7A4700RGWT	IC REG LDO ADJ 1A 20VQFN	1
4	TXS02612	IC SDIO PORT EXPANDER 24WQFN	2
4	WM4668-ND	CONN HEADER 6POS VERT GOLD PCB (Molex)	2
4	30-SAF-15	SMA(f), PCB Mount, Gold	11
4	ACX1962-ND	CONN SMA JACK STR 50 OHM SMD/TH	2
4	XC7VX485T-2FFG11	Xilinx FPGA	1
4	YAT-7+	DC-18.0GHz 7dB-Attenuator	2
4	YC124-JR-07100RL	RES ARRAY 100 OHM 4 RES 0804	1
3	10-296A-07	Handle, ODU, Ethemux 620	3
3	10-352B-251	Modem Chassis, E10G	1
3	10-352B-254	Hinge female, E10G	2
3	11-0090	Membrane Vent, 21.5mm	1
3	11-BS018	O Ring Silicon, BS018, ID 3/4in, CS 1/16in	1
3	11-BS250	O Ring Silicon, BS250, ID 126.59mm, CS 3.53mm	1
3	11-BS284	O Ring Silicon, BS284, ID 18 1/4in, CS 1/8in	1
3	14-A2.5M12-03	Screw, M2.5 12mm, CSK, Philips, SS	8
3	14-A3M20-01	Screw, M3 20mm, PCR, Philips, SS	4
3	14-A3M6-05	Screw, M3 6mm, Socket HD, SS	20
3	14-A3M8-12	Screw, M3 8mm, PCR, SS, w/Captive Washer	137
3	14-A440UNC7.9-05	Screw, 4-40UNC x 5/16in, Socket Hd, SS	4
3	14-A4M10-05	Screw, M4 10mm, Socket HD, SS	12
3	14-A6M10-05	Screw, M6 10mm, Socket HD, SS	4
3	14-A6M12-05	Screw, M6 12mm, Socket HD, SS	4
3	14-T3M12-01	Standoff, M3 12mm, M/F, Brass	14
3	14-T3M5-01	Standoff, M3 5mm, M/F Brass	2
3	15-3M-01	Washer, M3 Spring, SS	26
3	15-6M-01	Washer, M6 Spring, SS 316	4
3	22-0016	Thermal Pad, Vicor, Micro, 10pk	0.4
3	27-X-36	SFP, Industrial, Receptacle/Panel Nut Assembly, Optical	2
3	30-X-11	N(f)-SMA(f), 4Hole, Nickel DC-9GHz	2
3	35-0183	DC/DC Converter, 150W, 36-72V/15V, Micro, -40/+100	1
3	35-0184	DC/DC Converter, 100W, 36-72V/8V, Micro, -40/+100	3
3	35-0185	Ripple Attenuator Module, 3-30V 20A, Micro, -40/+100	4
3	35-0186	Antenna, GPS, Active, 3.3V, G=28dB	1
3	30-Z-02	Termination, N(m), DC-8GHz	2
3	40-GBASE-SR4	850nm 150m Transceiver Module for MMF	0
3	08-352B-250	Assembly, Cable Grouping Modem	1
4	07-352B-522	Cable, IF Module to Chassis (Modem) Rx IF Repeater	2

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5	26-RG402-01	Cable, Semi-Rigid, RG402 0.141in Semi flex	0.2
5	30-SAM-01	SMA(m), RG402, Solder, Gold	1
5	30-SAM-10	SMA(m), R/A, RG402, Solder, Gold	1
5	TECH-ASSEMBLY	Technician Assembly	0.5
4	07-352B-526	XCable, IF Module to Modem	4
5	26-086-12SM+	Cable coax Handflex SMA-SMA 305mm	1
4	07-352B-527	XCable, FSM to Modem	6
5	26-086-12SM+	Cable coax Handflex SMA-SMA 305mm	1
4	07-352B-528	XCable, FSM to 5GHz DRO	2
5	26-086-16SM+	Cable coax Handflex SMA-SMA 405mm	1
4	07-352B-538	Cable, Power Supply (Modem) to IF Module	1
5	21-V2-01	Socket, Housing, VH, 2pin	2
5	25-I-02	Wire, 19/0.2, Red PTFE, 20AWG 0.62mm2, Ag/Cu	0.7
5	27-P-01	Contact, Female, VH, Crimp, AWG18-22	4
5	EXT P&P	External Pick and Place	14.45
5	25-I-01	Wire, 19/0.2, Black PTFE, 20AWG 0.62mm2, Ag/Cu	0.7
4	07-352B-540	Cable, IF Module to Chassis (Modem) Rx/Tx IF	2
5	26-RG402-03	Cable, TFlex 402	0.2
5	30-SAM-01	SMA(m), RG402, Solder, Gold	2
5	TECH-ASSEMBLY	Technician Assembly	0.5
4	07-352B-561	Cable, Modem to Frequency Source Module (Power and	1
5	21-D9-04	Socket, D9, IDC, Metal Shell	1
5	21-I10-04	Socket, IDC, 10pin, Polarised	1
5	25-R10-01	Cable, Ribbon, 10 Way, Grey	0.45
5	A2	Assembly Level 2	0.15
4	07-352B-562	Cable, Modem to IF Module (Management)	1
5	21-I10-04	Socket, IDC, 10pin, Polarised	1
5	25-R10-01	Cable, Ribbon, 10 Way, Grey	0.3
5	27-P-05	Contact, Female, Mi-II, Crimp, AWG24-30	10
5	21-P10-05	Socket, Housing, 10way, w/Pol Key+Lock NI-II 2mm	1
5	A2	Assembly Level 2	0.15
4	07-352B-563	Cable, IF Module (Lock Detect)	1
5	21-I10-04	Socket, IDC, 10pin, Polarised	1
5	21-P2-04	Socket, Housing, 2way, w/Pol Key+Lock, Mi-II 2mm	1
5	25-R10-01	Cable, Ribbon, 10 Way, Grey	0.3
5	27-P-05	Contact, Female, Mi-II, Crimp, AWG24-30	2
5	A2	Assembly Level 2	0.15
4	07-352B-564	Cable, IF Module to 5GHz LO	1
5	21-P4-01	Socket, Housing, 4way, w/Pol Key+Lock, Mi-II 2mm	1
5	25-I-140	Wire, 7/0.2, White PTFE, 24AWG 0.22mm2, Ag/Cu	0.2
5	25-I-141	Wire, 7/0.2, Black PTFE, 24AWG 0.22mm2, Ag/Cu	0.2
5	25-I-142	Wire, 7/0.2, Red PTFE, 24AWG 0.22mm2, Ag/Cu	0.2
5	27-H-16	Heatshrink, 6.4mm, Blue	1
5	27-P-05	Contact, Female, Mi-II, Crimp, AWG24-30	3
5	TECH-ASSEMBLY	Technician Assembly	0.15
4	07-352B-566	XCable, IF Loopback	1
5	26-086-4SM+	Cable coax Handflex SMA-SMA 102mm	1
4	07-352B-568	Cable, Power Supply (Modem) to Modem	1
5	21-V4-01	Socket, Housing, VH, 4pin	1
5	25-I-111	Wire, 19/0.25, Black PTFE, 18AWG 1.0mm2, Ag/Cu	0.7
5	25-I-112	Wire, 19/0.25, Red PTFE, 18AWG 1.0mm2, Ag/Cu	0.7
5	27-P-01	Contact, Female, VH, Crimp, AWG18-22	4
5	27-T-05	Terminal, Ring, 3.2mm, Red, 19A	4
5	A2	Assembly Level 2	0.15
4	07-352B-567	Cable, Modem to GPS	1
5	26-RG316-20MSRM	RG316 MCX-Male to SMAMale(R/A) 200mm	1
4	07-352B-579	Cable, Modem Power Supply to Fan Connector	1

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5	21-P4-01	Socket, Housing, 4way, w/Pol Key+Lock, Mi-II 2mm	1
5	27-P-05	Contact, Female, Mi-II, Crimp, AWG24-30	4
5	25-I-141	Wire, 7/0.2, Black PTFE, 24AWG 0.22mm2, Ag/Cu	0.14
5	25-I-142	Wire, 7/0.2, Red PTFE, 24AWG 0.22mm2, Ag/Cu	0.14
5	27-H-03	Heatshrink, 4.8mm, White	0.04
5	21-C3-01	Socket, Circ, IP67, 6-3p, Sldr, Jam Nut	1
5	TECH-ASSEMBLY	Technician Assembly	0.15
4	07-352B-571	XCable, FSM to IF Module	2
5	26-086-14SM+	Cable coax Handflex SMA-SMA 355mm	1
4	26-MTPLC-350	Cable, Fiber Patch MTP to LC, 350mm	1
4	07-352B-572	XCable, IF Module to IF Filter	4
5	26-086-6SMR+	Cable coax Handflex SMA (right) -SMA (right) 152mm	1
2	02-352B-252	Modem Lid Assembly E10G 1200	1
3	10-352B-252	Modem Lid, E10G	1
3	10-143A-29	Captive Screw, M6x26mm Socket Head	12
3	11-0030	M6 FASTENER BODY	12
3	11-0031	M6 FASTENER SPRING	12
3	11-0032	M6 RETAINER CLIP	12
2	07-352B-519	XCable, 100MHz FSM to Chassis (Modem)	1
3	26-086-8SM+	Cable coax Handflex SMA-SMA 203mm	1
2	02-352B-253	Modem Connector Plate assembly	1
3	10-352B-253	Modem Connector Panel, E10G	1
3	30-X-12	Adaptor, Bulkhead,SMA(f) - SMA(f)	3
3	07-352B-536	Cable, Power Supply (Modem) to Chassis (Modem)	1
4	21-C10-01GX	CONN RCPT 10POS BOX MNT W/SCKT Panel Mount	1
4	21-V8-01	Socket, Housing, VH, 8pin	1
4	25-I-01	Wire, 19/0.2, Black PTFE, 20AWG 0.62mm2, Ag/Cu	1.2
4	25-I-02	Wire, 19/0.2, Red PTFE, 20AWG 0.62mm2, Ag/Cu	0.3
4	25-I-04	Wire, 19/0.2, Brown PTFE, 20AWG 0.62mm2, Ag/Cu	0.3
4	25-I-05	Wire, 19/0.2, Orange PTFE, 20AWG 0.62mm2, Ag/Cu	0.3
4	25-I-06	Wire, 19/0.2, Blue PTFE, 20AWG 0.62mm2, Ag/Cu	0.3
4	27-P-01	Contact, Female, VH, Crimp, AWG18-22	8
4	27-S-04	Braided Sleeving 6-9.5mm, Grey	0.25
4	EXT P&P	External Pick and Place	27.46
3	14-A2.5M10-01	Screw, M2.5 10mm, PCR, Philips, SS	4
3	07-352B-578	Cable, Chassis (Modem + IF Box) to Power Supply, Fans and	1
4	21-V6-01	Socket, Housing, VH, 6pin	1
4	27-P-01	Contact, Female, VH, Crimp, AWG18-22	6
4	26-RG316-01	Cable, Coaxial, RG316, Flex 50ohm	0.4
4	21-P14-01	Socket, Vert, 14way, JTEK14, screw lock	1
4	27-P-11	Contact, Female, JTEK	10
4	07-0001	Cable, Cat5e, Blue, 100m	0.4
4	27-H-27	Heatshrink, 4.8mm, Yellow	0.04
4	27-H-25	Heatshrink, 4.8mm, Red	0.04
4	25-I-09	Wire, 19/0.2, Grey PTFE, 20AWG 0.62mm2, Ag/Cu	0.75
4	25-I-04	Wire, 19/0.2, Brown PTFE, 20AWG 0.62mm2, Ag/Cu	0.75
4	21-21W1P-01	Socket 21W1 with centre RF	1
4	25-I-141	Wire, 7/0.2, Black PTFE, 24AWG 0.22mm2, Ag/Cu	0.5
4	25-I-142	Wire, 7/0.2, Red PTFE, 24AWG 0.22mm2, Ag/Cu	0.5
4	25-I-70	Wire, 7/0.2, Green/Red PVC 0.22mm2, Tin/Cu	0.4
4	25-I-71	Wire, 7/0.2, White/Black PVC 0.22mm2, Tin/Cu	0.4
4	27-P-05	Contact, Female, Mi-II, Crimp, AWG24-30	4
4	21-P4-01	Socket, Housing, 4way, w/Pol Key+Lock, Mi-II 2mm	1
4	30-MDF-01	D-Sub Contacts COAX CONTACT FEMALE	1
4	30-SAM-05	SMA(m), R/A, RG316, Crimp Gold	1
1	02-352B-300	Shroud Assembly, E10G	1
2	10-352B-301	Main Ring, Shroud E10G	2

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2	10-352B-302	Main Cover, Shroud E10G	1
2	10-352B-303	Front Sun Shade, Shroud E10G	1
2	10-352B-304	Front Sun Shade Z-Bracket, Shroud E10G	3
2	10-352B-305	Back Bottom, Shroud E10G	1
2	10-352B-306	Back Top, Shroud E10G	1
2	10-352B-307	Back Sun Shade, Shroud E10G	1
2	10-352B-308	Back Sun Shade Z-Bracket, Shroud E10G	3
2	10-352B-309	Support Back Half, Shroud E10G	2
2	10-352B-310	Wind Pipe Baseplate, Shroud E10G	1
2	10-352B-311	Horn Bracket, Shroud E10G	1
2	14-A8M20-05	Screw, M8 20mm, Socket HD, SS316	54
2	10-352B-312	Wind Pipe, Shroud, E10G	1
2	10-352B-315	Gasket, Main Diameter, E10G	2
2	10-352B-316	Gasket, Small Diameter, E10G	1
2	10-352B-317	Gasket, Modem Box, E10G	1
2	10-352B-318	Gasket, Side Taper, E10G	2
1	02-352B-320	Motor Drive Assembly, E10G	1
2	03-352A-04	Motor Amplifier Board, 2 channel, E-band Link	1
3	04-352A-04	Motor Amplifier Board, 2 channel + 2 encoder, E-band Link	1
3	20-H10-02	PCB Header, 5+5way, 2mm, Polarise, Jackscrews, Gold	2
3	20-H14-01	PCB Header, 7+7way, 2mm, Polarised, Side Latches, Gold	1
3	20-H4-01	PCB Header, 4way, w/Friction Lock, Mi-II 2mm, Tin	1
3	20-H4-06	PCB Header, 4Pin, 20A, Vert PCB, Gold, 4mm MIX-TEK	3
3	22-S-23	Switch, SPST, 50V 50mA, Micro Mini SMD	1
3	35-0143	Crystal Osc, 50.00MHz, +/-25ppm, -40/+85, HCMOS 3.3V,	1
3	38-E-01	Filter, EMI/EMC, 50V 10A, for Pwr Supply, PCB Mnt	1
3	41-010N-04	Capacitor, 0402, 10n X7R 10% 25V Ceramic, NiSn	4
3	41-010N-06	Capacitor, 0603, 10n X7R 10% 50V Ceramic, NiSn	35
3	41-010U-08	Capacitor, 0805, 10u X5R 10% 16V Ceramic, NiSn	39
3	41-010U-09	Capacitor, 1206, 10u X5R 10% 50V Ceramic, NiSn	52
3	41-01N0-02	Capacitor, 1206, 1n X7R 10% 2kV Ceramic, NiSn	1
3	41-01N0-05	Capacitor, 0402, 1n X7R 10% 50V Ceramic, NiSn	3
3	41-01N0-07	Capacitor, 0402, 1n X7R 10% 100V Ceramic, NiSn	2
3	41-01U0-06	Capacitor, 0603, 1u X5R 10% 50V Ceramic, NiSn	25
3	41-022N-06	Capacitor, 0603, 22n X7R 10% 50V Ceramic, NiSn	4
3	41-022U-02	Capacitor, 0805, 22u X5R 10% 16V Ceramic, NiSn	4
3	41-02U2-04	Capacitor, 1206, 2u2 X7R 10% 100V Ceramic, NiSn	7
3	41-04U7-06	Capacitor, 0603, 4u7 X5R 10% 16V Ceramic, NiSn	17
3	41-082N-06	Capacitor, 0603, 82n X7R 10% 16V Ceramic, NiSn	6
3	41-100N-03	Capacitor, 0603, 100n X7R 10% 50V Ceramic, NiSn	68
3	41-100N-07	Capacitor, 0603, 100n X7S 10% 100V Ceramic, NiSn	4
3	41-100U-02	Capacitor, 1206, 100u X5R 20% 10V, Ceramic, NiSn	6
3	41-470N-04	Capacitor, 0402, 470n X5R 10% 16V Ceramic, NiSn	11
3	41-470N-06	Capacitor, 0603, 470n X7R 10% 50V Ceramic, NiSn	2
3	44-000R-03	Resistor, 0603, 0R 1% 0.063W	14
3	44-010K-03	Resistor, 0603, 10k 1% 0.063W	2
3	44-012K-03	Resistor, 0603, 12k 1% 0.063W	1
3	44-013K-03	Resistor, 0603, 13k 1% 0.063W	3
3	44-01K0-03	Resistor, 0603, 1k 1% 0.063W	26
3	44-01K5-03	Resistor, 0603, 1k5 1% 0.063W	2
3	44-01K8-03	Resistor, 0603, 1k8 1% 0.063W	1
3	44-022K-03	Resistor, 0603, 22k 1% 0.063W	1
3	44-022R-03	Resistor, 0603, 22R 1% 0.063W	17
3	44-02K0-03	Resistor, 0603, 2k 1% 0.063W	1
3	44-02K2-03	Resistor, 0603, 2k2 1% 0.063W	1
3	44-02K4-03	Resistor, 0603, 2k4 1% 0.063W	1
3	44-033K-03	Resistor, 0603, 33k 1% 0.063W	4

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3	44-03K9-03	Resistor, 0603, 3k9 1% 0.063W	2
3	44-04K7-03	Resistor, 0603, 4k7 1% 0.063W	6
3	44-051R-03	Resistor, 0603, 51R 1% 0.063W	6
3	44-075R-03	Resistor, 0603, 75R 1% 0.063W	2
3	44-07K5-03	Resistor, 0603, 7k5 1% 0.063W	1
3	44-08K2-03	Resistor, 0603, 8k2 1% 0.063W	5
3	44-091K-03	Resistor, 0603, 91k 1% 0.063W	4
3	44-0R02-01	Resistor, 2512, 0R02 1% 3W	2
3	44-120R-03	Resistor, 0603, 120R 1% 0.063W	2
3	44-220R-03	Resistor, 0603, 220R 1% 0.063W	3
3	44-560R-03	Resistor, 0603, 560R 1% 0.063W	2
3	44-750R-03	Resistor, 0603, 750R 1% 0.063W	1
3	46-B-09	Solid Inductor, 1000ohm@100MHz, DCR=0.15, 1A, 0805 size	18
3	46-B-10	Solid Inductor, 6000ohm@100MHz, DCR=0.07, 2.5A, 1206 size	9
3	46-X-09	Transformer, 100Base-Tx, 1.5kV, Mini SMD, -40/85C	1
3	46-X-25	Choke, Dual Winding, each 2uH 0.03R, Shielded, SMD	1
3	50-07-17	Single Buffer, Open Drain, HCMOS, -40/+125degC, SOT-23/5	1
3	50-38-17	NAND Gate, Single 2-Input, Open Drain, HCMOS, SOT-23/5	1
3	51-6SX9-01	FPGA, Spartan-6 SLX, 9kcell, 1.2V Core, -40/85C, TQFP144	1
3	51-F4M-01	Embedded Flash, 512kx8, 104MHz, SPI, -40/+85C, SO-8	1
3	52-12002-01	Switching Reg, Adj0.8-6V, 20Vin, 2A 12W, -40/85C, PMOD7	2
3	52-142-02	Switching Reg, Adj5-30V, 42Vin, 2A 60W, -40/85C, PMOD7	2
3	52-1818-01	Power Supply Mon/Reset 3.3V, 5%, SOT-23	1
3	52-717-01	Volt Regulator, 5.0V 150mA, LoNoise, LDO, SON-6	2
3	53-31-01	Quad RS422/423 Line Driver, 3.3V, -40/+85degC, SO-16	1
3	53-32-01	Quad RS422/423 Line Receiver, 3.3V, -40/+85degC, SO-16	1
3	53-7263-01	A/D Converter, Dual 14 Bit, 1Msps, -40/+125degC, QFN-32	2
3	53-83620-01	Ethernet PHY, 10/100BaseT 100BaseFX, 2.5/3.3v, -40/+85C, WQF	1
3	53-CKSR-01	Current Transducer, Fluxgate, 6A, -40/+85degC	4
3	54-4935-01	3-Phase MOSFET Driver, 50V, -40/150C, LQFP48-EP	2
3	57-1002-02	LED, Green, 0805, 20mcd @ 20mA	3
3	60-1210-01	Diode, Schottky, 12A 100V, S MPC	1
3	60-1545-01	Diode, Schottky, 15A 45V DO-214	2
3	60-BAS28-01	Diode, Switching, Dual, 75V 200mA SOT-143	2
3	61-36V-01	Transorb, 3kW, Vwm=36V 5% Unipolar, SMC	2
3	61-36V-02	Transorb, 600W, Vwm=36V Bipolar, SMB	1
3	61-58V-01	Transorb, 1.5kW, Vwm=58V Unipolar, SMC	1
3	63-7351-01	FET, MOS Power, Dual Nch, 8A 60V, Rds=0.018ohm, SO-8	6
2	03-352B-11	Power Supply Board, 48V, 12V, Motor Interface	1
3	04-352B-11	Power Supply Board, 48V, 12V, Motor Interface	1
3	20-V4-01	Plug, VH4, PCB Mt, Tinned	2
3	20-V6-01	Plug, VH6, PCB Mt, Tinned	1
3	2101-V-RC	FIXED IND 10UH 10.8A 6 MOHM TH	1
3	22-F-13	Fuse Clip, 5mm Dia, PCB Mt, pk200	2
3	22-F-14	Fuse, Antisurge, 10A 250V, 20x5mm, Glass	1
3	35-0110	DC/DC Converter, 15W, 36-75V/12V, PCB Mt	1
3	40-02U2-09	Capacitor, 2u2 100V 10% 7.5mm, Film, Polyester	3
3	40-100U-12	Electrolytic, 100u 63V 20% 5mm, D10x12.5, Low ESR	1
3	40-220N-01	Capacitor, 220n 5% 0.3in 100V, Film, Polyester	1
3	40-220U-07	Electrolytic, 220u 63V 20% 5mm, D12.5x20, Low ESR	2
3	41-010N-01	Capacitor, 0805, 10n X7R 10% 50V Ceramic, NiSn	1
3	41-010N-03	Capacitor, 1206, 10n X7R 10% 200V Ceramic, NiSn	4
3	41-01U0-07	Capacitor, 0805, 1u X7R 10% 50V Ceramic, NiSn	1
3	41-470N-07	Capacitor, 1812, 470n X7T 20% 450V Ceramic, NiSn	1
3	44-010K-09	Resistor, 0805, 10k 1% 0.1W	2
3	44-022K-09	Resistor, 0805, 22k 1% 0.1W	1

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3	46-X-39	Choke, Common Mode, 5.7A, 28uH, Horiz, SMD	2
3	57-1002-02	LED, Green, 0805, 20mcd @ 20mA	1
3	60-1545-01	Diode, Schottky, 15A 45V DO-214	1
3	60-BAS32-01	Diode, Switching, 75V 200mA SOD-80	1
3	61-68V-01	Transorb, 1.5kW, Vwm=68V Bipolar, SMC	1
3	61-A81-01	Gas Arrestor, 90V, 2-Lead 20kA/20A, Dia8x6mm	1
3	AON6250	MOSFET N-CH 150V 52A 8DFN	1
3	MMSZ5240BT1G	DIODE ZENER 10V 500MW SOD123	1
2	08-352B-320	Motor Unit Cable Kit	1
3	07-352B-500	Cable, Chassis (Motor Box) to PSU (Motor Box)	1
4	20-C4-06	Plug, Circ, IP67, 3p+PE, Screw, Silver, 2 Hole, Panel Mt	1
4	25-I-55	Wire, 30/0.25, Black PVC 1.5mm2, Copper	0.2
4	25-I-56	Wire, 30/0.25, Red PVC 1.5mm2, Copper	0.2
4	EXT P&P	External Pick and Place	14.6
3	07-352B-508	Cable, PSU (Motor Box) to MIB	1
4	21-P4-06	Socket, 4way, Mix-tek, screw lock	1
4	21-V4-01	Socket, Housing, VH, 4pin	1
4	25-I-01	Wire, 19/0.2, Black PTFE, 20AWG 0.62mm2, Ag/Cu	0.18
4	25-I-02	Wire, 19/0.2, Red PTFE, 20AWG 0.62mm2, Ag/Cu	0.18
4	25-I-04	Wire, 19/0.2, Brown PTFE, 20AWG 0.62mm2, Ag/Cu	0.18
4	25-I-09	Wire, 19/0.2, Grey PTFE, 20AWG 0.62mm2, Ag/Cu	0.18
4	27-H-21	Heatshrink, 3.2mm, White	0.04
4	27-P-01	Contact, Female, VH, Crimp, AWG18-22	4
4	27-P-12	Contact, Female, MixTek, Power	4
4	EXT P&P	External Pick and Place	14.29
3	07-352B-554	Cable, Motor Control Board to Chassis (Motor)	2
4	21-C3-04G	Socket, Circ MIL-C-26482, 8-3s, Sldr, 4Hole Panel Mt, Olive	1
4	21-P4-06	Socket, 4way, Mix-tek, screw lock	1
4	25-I-18	Wire, 16/0.2, Black PVC 0.5mm2, Tin/Cu	0.07
4	25-I-19	Wire, 16/0.2, Red PVC 0.5mm2, Tin/Cu	0.07
4	25-I-31	Wire, 32/0.2, White PVC 1.0mm2, Tin/Cu	0.07
4	27-H-12	Heatshrink, 19mm, Black	0.04
4	27-P-12	Contact, Female, MixTek, Power	3
4	A2	Assembly Level 2	0.15
4	46-B-06	Bead, 1Hole, Ferrite 3S4, 9.5ODx5.1IDx14L	6
3	07-352B-557	Cable, Chassis (Motor Box) to Motor Board (Ethernet) and PSU	1
4	07-0001	Cable, Cat5e, Blue, 100m	0.0026
4	21-C10-01G	Socket, Circ MIL-C-26482, 12-10s, Sldr, 4Hole Panel, Olive	1
4	21-P4-01	Socket, Housing, 4way, w/Pol Key+Lock, Mi-II 2mm	1
4	21-V6-01	Socket, Housing, VH, 6pin	1
4	25-I-04	Wire, 19/0.2, Brown PTFE, 20AWG 0.62mm2, Ag/Cu	0.27
4	25-I-09	Wire, 19/0.2, Grey PTFE, 20AWG 0.62mm2, Ag/Cu	0.27
4	27-P-01	Contact, Female, VH, Crimp, AWG18-22	6
4	27-P-05	Contact, Female, Mi-II, Crimp, AWG24-30	4
4	EXT P&P	External Pick and Place	29.62
3	07-352B-558	Cable, Motor Control Board to Chassis (Encoders)	1
4	21-P10-02	Socket, Vert, 10way, JTEK10, screw lock	2
4	27-P-11	Contact, Female, JTEK	12
4	21-C12-02G	Socket, Circ MIL-C-26482, 14-12s, Sldr, 4Hole Panel, Olive	1
4	27-H-03	Heatshrink, 4.8mm, White	0.04
4	07-0001	Cable, Cat5e, Blue, 100m	0.0018
4	27-H-14	Heatshrink, 4.8mm, Black	0.04
4	TECH-ASSEMBLY	Technician Assembly	0.5
2	10-352B-321	Motor Chassis, E10G	1
2	10-352B-322	Motor Chassis Lid, E10G	1
2	11-BS270	O Ring Silicon, BS270, ID 228.19mm, CS 3.53mm	1
2	14-A3M12-01	Screw, M3 12mm, PCR, Philips, SS	2

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2	14-A3M6-05	Screw, M3 6mm, Socket HD, SS	15
2	14-A3M8-12	Screw, M3 8mm, PCR, SS, w/Captive Washer	42
2	14-T3M10-01	Standoff, M3 10mm, M/F, Brass	4
2	14-T3M12-01	Standoff, M3 12mm, M/F, Brass	11
2	15-3M-01	Washer, M3 Spring, SS	17
2	22-0016	Thermal Pad, Vicor, Micro, 10pk	2
2	V48C36T150BG	DC/DC Converter, 150W, 36-72V/36V, Micro, -40/+100	2
2	03-352B-13	MIB EMI Board	1
3	04-352B-13	MIB EMI Board	1
3	41-100N-02	Capacitor, 1206, 100n X7R 10% 50V Ceramic, NiSn	12
2	14-T3M18-01	Standoff, M3 18mm, M/F, Brass	3
2	11-BS014	O Ring Silicon, BS014, ID 1/2in, CS 1/16in	2
2	11-BS019	O Ring Silicon, BS019, ID 13/16in, CS 1/16in	1
2	11-BS020	O Ring Silicon, BS020, ID 7/8in, CS 1/16in	1
1	02-352B-331	RF Unit E10G Tx High Rx Low	1
2	02-352B-501	Eband D/C Rx Low	1
3	03-352B-501	EBAND D/C-LNA Rx LOW Die Assembly	1
4	10-352B-1811	E10G DC Rx Box	1
4	10-352B-1812-V1	E10G DC Rx Backstop V1	0.25
4	10-352B-1812-V2	E10G DC Rx Backstop V2	0.25
4	10-352B-1812-V3	E10G DC Rx Backstop V3	0.25
4	10-352B-1812-V4	E10G DC Rx Backstop V4	0.25
4	10-352B-1813	E10G DC Rx Lid	1
4	20GHZ-BPF-E10G	20GHz BPF E10G UC/DC	1
4	CHA2080-98F	GaAs HEMT MMIC Low Noise Amplifier Chip, 71 - 86 GHz	1
4	E10G	tTRANSMISSION LINE E10G UC/DC	1
4	E10G TL4-2800X700	TRANSMISSION LINE E10G TL4 2800X700	1
4	E10G-TL2-2700X900	TRANSMISSION LINE E10G 2700X900 UC/DC	1
4	HMC1057	GaAs MMIC SUB HARMONIC I/Q MIXER, 71 - 86 GHz	1
4	HMC576	Active Multiplier Chip, 18 - 29 GHz Fout	1
4	HMC579	Active Multiplier Chip, 32 - 46 GHz Fout	1
4	HMC712	Voltage Variable Attenuator Chip, 5 - 30 GHz	1
4	HMC-ALH509	IC RF AMP LN DIE 1=2PCS	1
4	HMC-VVD104	IC MMIC AMP VGA PHEMT DIE 1=2PCS	1
4	LCP-PROBE-WR12	E10G LCP PROBE UC/DC	1
4	LSA1212B101KGH5C	Buried Single Layer Ceramic Capacitor (100pF 16V)	9
4	LSA1717B150KEH5C	Buried Single Layer Ceramic Capacitor (15pF 16V)	1
4	MVL3030X103MGH5	Wire Bondable Vertical Electrode Bypass Capacitor (10nF 16V)	8
4	USMRG1025AN-110-	Microwave Aluminum Nitride Thin Film Chip Resistor, 1.079W,	1
4	USMRG1025AN-500-	Microwave Aluminum Nitride Thin Film Chip Resistor, 1.079W,	1
3	03-352B-530	Eband D/C & LNA Rx Control Boar	1
4	04-352B-06	MMWRX Control Board, E Band D/C, E-Band Link	1
4	7-1879208-3	Resistor Chip 0402 0.063W 10k 0.1% 25ppm	24
4	8-1879208-0	Resistor Chip 0402 0.063W 20k 0.1% 25ppm	4
4	A1	Assembly	3
4	APTL3216CGCK	LED Green1206 Clear	1
4	BAT54XV2T1G	Diode Schottky BAT54 SOD-523	3
4	C1005X5R1A225K05	Capacitor Chip 0402 Ceramic X5R 2.2u 10% 10V	2
4	CC0603MRX5R5BB1	Capacitor Chip 0603 Ceramic X5R 10u 20% 6.3V	14
4	CD143A-SR3.3	Transient Voltage Suppressor Diode Array SR3.3 SOT-143	2
4	CRCW0402100RFKE	Resistor Chip 0402 0.063W 100R 1% 100ppm	9
4	CRCW040210R0FKE	Resistor Chip 0402 0.063W 10 1% 100ppm	1
4	CRCW040212K0FKE	Resistor Chip 0402 0.063W 12k 1% 100ppm	1
4	CRCW040218K0FKE	Resistor Chip 0402 0.063W 18k 1% 100ppm	1
4	CRCW040222K0FKE	Resistor Chip 0402 0.063W 22k 1% 100ppm	3
4	CRCW040222R0FKE	Resistor Chip 0402 0.063W 22 1% 100ppm	9
4	CRCW040227K0FKE	Resistor Chip 0402 0.063W 27k 1% 100ppm	3

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4	44-02R2-10	RES 02R2 0.063W 1% 402	3
4	CRCW040230K0FKE	Resistor Chip 0402 0.063W 30k 1% 100ppm	1
4	CRCW0402330RFKE	Resistor Chip 0402 0.063W 330 1% 100ppm	1
4	CRCW040247K0FKE	Resistor Chip 0402 0.063W 47k 1% 100ppm	2
4	CRCW04024K70FKE	Resistor Chip 0402 0.063W 4.7k 1 100ppm	6
4	CRCW040251K0FKE	Resistor Chip 0402 0.063W 51k 1% 100ppm	1
4	44-056K-10	Resistor, 0402, 56K 1% 0.063W	1
4	44-01K0-10	Resistor, 0402, 1k 1% 0.063W	4
4	ESDA6V1L	Transient Voltage Suppressor 6V1 Unidirectional Dual SOT-23	2
4	EXC-24CB221U	Inductor Common Mode Choke Surface Mount	2
4	FBMH1608HM101-T	FERRITE BEAD 100 OHM 0603	2
4	FIN1001M5X	IC FIN1001 LVDS 1-Bit High Speed Driver -40°C to 85°C SOT-23	1
4	FIN1002M5X	IC FIN1002 LVDS 1-Bit High Speed Receiver -40°C to 85°C	1
4	GLFR1608T1R0M-LR	Inductor 1uH +/-20% 230mA 80 mOhm 0603	1
4	GRM155R61A105KE	Capacitor Chip 0402 Ceramic X5R 1u 10% 10V	15
4	41-100N-04	Capacitor, 0402, 100n X7R 10% 16V Ceramic, NiSn	49
4	INA213AIDCKR	IC CURRENT MONITOR 1% SC70-6	4
4	LBC2012T1R0M	FIXED IND 1UH 620MA 247 MOHM SMD	1
4	LMP7701MF/NOPB	IC LMP7701 Operational Amplifier Rail-To-Rail Input/Output -40°C	1
4	MC9S08SH32CTL	IC MC9S08SH32 8-bit Microcontroller -40°C to 85°C TSSOP-28	1
4	MCP3204-CI/ST	IC MCP3204 SPI Quad 12-Bit ADC -40°C to 85°C TSSOP-14	1
4	MCP4922-E/ST	IC MCP4922 SPI Dual 12-Bit DAC -40°C to 125°C TSSOP-14	2
4	MMZ1005Y471CT000	FERRITE CHIP 470 OHM 250MA 0402	8
4	OPA378AIDBVT	IC OPA378 Zero-Drift Operational Amplifier Rail-To-Rail	11
4	RCWE0603R200FKE	Resistor Chip 0603 0.2W R200 1% 100ppm	4
4	REF3125AIDBZR	C VREF SERIES 2.5V SOT23-3	1
4	TPS72301DBVT	IC TPS72301DBVT 200 mA Negative Adjustable Low Dropout	1
4	TPS73201DBVT	IC TPS73201 250 mA Adjustable Low Dropout Linear Regulator	3
3	10-352B-800	E10G UC/DC 1/16" x 5/16" Dowel Pin	3
3	10-352B-801	E10G UC/DC M1 x 8 Dowel Pin	3
3	10-352B-802	E10G UC/DC 1/16" x 1/4" Dowel Pin	4
3	30-SAF-06	SMA(f), 2Hole, Ext Thin Stub, Gold	2
3	M83513/04A03N	CON 9pin Female Micro D 18" coloured cables	1
3	M83513/05-07	CON PART MICRO D JACK POST P-STYLE	2
2	02-352B-502	Eband U/C Tx High	1
3	03-352B-502	EBAND U/C Tx HIGH Die Assembly	1
4	10-352B-1812-V1	E10G DC Rx Backstop V1	0.25
4	10-352B-1812-V2	E10G DC Rx Backstop V2	0.25
4	10-352B-1812-V3	E10G DC Rx Backstop V3	0.25
4	10-352B-1812-V4	E10G DC Rx Backstop V4	0.25
4	10-352B-1853	E10G UC Tx Box	1
4	10-352B-1855	E10G UC Tx Lid	1
4	20GHZ-BPF-E10G	20GHz BPF E10G UC/DC	1
4	CHA2080-98F	GaAs HEMT MMIC Low Noise Amplifier Chip, 71 - 86 GHz	1
4	E10G TL4-2800X700	TRANSMISSION LINE E10G TL4 2800X700	3
4	E10G TL5-2200X700	E10G Transmission Line 2200X700 0N ALUMINA	1
4	HMC1057	GaAs MMIC SUB HARMONIC I/Q MIXER, 71 - 86 GHz	1
4	HMC576	Active Multiplier Chip, 18 - 29 GHz Fout	1
4	HMC579	Active Multiplier Chip, 32 - 46 GHz Fout	1
4	HMC712	Voltage Variable Attenuator Chip, 5 - 30 GHz	1
4	HMC-APH634	IC MMIC POWER AMP DIE 1=2PCS	1
4	HMC-VVD104	IC MMIC AMP VGA PHEMT DIE 1=2PCS	1
4	LCP-PROBE-WR12	E10G LCP PROBE UC/DC	1
4	LSA1212B101KGH5C	Buried Single Layer Ceramic Capacitor (100pF 16V)	11
4	LSA1717B150KEH5C	Buried Single Layer Ceramic Capacitor (15pF 16V)	1
4	MVL3030X103MGH5	Wire Bondable Vertical Electrode Bypass Capacitor (10nF 16V)	8

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4	USMRG1025AN-110-	Microwave Aluminum Nitride Thin Film Chip Resistor, 1.079W,	4
4	USMRG1025AN-500-	Microwave Aluminum Nitride Thin Film Chip Resistor, 1.079W,	1
3	03-352B-520	Eband U/C Tx Control Board	1
4	04-352B-05	MMWTX Control Board, E Band D/C, E-Band Link	1
4	7-1879208-3	Resistor Chip 0402 0.063W 10k 0.1% 25ppm	23
4	8-1879208-0	Resistor Chip 0402 0.063W 20k 0.1% 25ppm	5
4	A1	Assembly Level 1	3
4	APTL3216CGCK	LED Green1206 Clear 3.2X1.6MM	1
4	BAT54XV2T1G	Diode Schottky BAT54 SOD-523	3
4	C1005X5R1A225K05	Capacitor Chip 0402 Ceramic X5R 2.2u 10% 10V	2
4	CC0603MRX5R5BB1	Capacitor Chip 0603 Ceramic X5R 10u 20% 6.3V	14
4	CD143A-SR3.3	Transient Voltage Suppressor Diode Array SR3.3 SOT-143	1
4	CRCW040210R0FKE	Resistor Chip 0402 0.063W 10 1% 100ppm	1
4	CRCW040212K0FKE	Resistor Chip 0402 0.063W 12k 1% 100ppm	1
4	CRCW040222K0FKE	Resistor Chip 0402 0.063W 22k 1% 100ppm	3
4	CRCW040222R0FKE	Resistor Chip 0402 0.063W 22 1% 100ppm	9
4	CRCW040224K0FKE	Resistor Chip 0402 0.063W 24 1% 100ppm	1
4	CRCW040227K0FKE	Resistor Chip 0402 0.063W 27k 1% 100ppm	2
4	44-02R2-10	RES 02R2 0.063W 1% 402	3
4	CRCW040230K0FKE	Resistor Chip 0402 0.063W 30k 1% 100ppm	1
4	CRCW0402330RFKE	Resistor Chip 0402 0.063W 330 1% 100ppm	1
4	CRCW040247K0FKE	Resistor Chip 0402 0.063W 47k 1% 100ppm	2
4	CRCW04024K70FKE	Resistor Chip 0402 0.063W 4.7k 1 100ppm	6
4	CRCW040251K0FKE	Resistor Chip 0402 0.063W 51k 1% 100ppm	1
4	44-056K-10	Resistor, 0402, 56K 1% 0.063W	2
4	44-01K0-10	Resistor, 0402, 1k 1% 0.063W	4
4	ESDA6V1L	Transient Voltage Suppressor 6V1 Unidirectional Dual SOT-23	2
4	EXC-24CB221U	Inductor Common Mode Choke Surface Mount	2
4	FBMH1608HM101-T	FERRITE BEAD 100 OHM 0603	3
4	FIN1001M5X	IC FIN1001 LVDS 1-Bit High Speed Driver -40°C to 85°C SOT-23	1
4	FIN1002M5X	IC FIN1002 LVDS 1-Bit High Speed Receiver -40°C to 85°C	1
4	GLFR1608T1R0M-LR	Inductor 1uH +/-20% 230mA 80 mOhm 0603	1
4	GRM155R61A105KE	Capacitor Chip 0402 Ceramic X5R 1u 10% 10V	15
4	41-100N-04	Capacitor, 0402, 100n X7R 10% 16V Ceramic, NiSn	53
4	INA213AIDCKR	IC CURRENT MONITOR 1% SC70-6	4
4	LBC2012T1ROM	FIXED IND 1UH 620MA 247 MOHM SMD	1
4	LMP7701MF/NOPB	IC LMP7701 Operational Amplifier Rail-To-Rail Input/Output -40°C	1
4	M20-9980345	Header DIL 6-Way 6.1mm Pitch 2.54mm	1
4	MC9S08SH32CTL	IC MC9S08SH32 8-bit Microcontroller -40°C to 85°C TSSOP-28	1
4	MCP3204-CI/ST	IC MCP3204 SPI Quad 12-Bit ADC -40°C to 85°C TSSOP-14	1
4	MCP4922-E/ST	IC MCP4922 SPI Dual 12-Bit DAC -40°C to 125°C TSSOP-14	2
4	MMZ1005Y471CT000	FERRITE CHIP 470 OHM 250MA 0402	7
4	OPA378AIDBVT	IC OPAMP CHOPPER 900KHZ SOT23-5	11
4	REF3125AIDBZR	C VREF SERIES 2.5V SOT23-3	1
4	REF3312AIDCKR	IC REF3312 Series Voltage Reference 1.25V 0.15% 30ppm SC-70	1
4	TPS72301DBVT	IC TPS72301DBVT 200 mA Negative Adjustable Low Dropout	1
4	TPS73201DBVT	IC TPS73201 250 mA Adjustable Low Dropout Linear Regulator	3
3	10-352B-800	E10G UC/DC 1/16" x 5/16" Dowel Pin	3
3	10-352B-801	E10G UC/DC M1 x 8 Dowel Pin	3
3	10-352B-802	E10G UC/DC 1/16" x 1/4" Dowel Pin	4
3	30-SAF-06	SMA(f), 2Hole, Ext Thin Stub, Gold	2
3	M83513/04A03N	CON 9pin Female Micro D 18" coloured cables	1
3	M83513/05-07	CON PART MICRO D JACK POST P-STYLE	2
3	46-B-14	Ferrite Core, Cylindrical, 4160HM	2
2	03-352B-504	RF M&C Unit Board	1

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3	04-352B-04	RFMC, E Band Link	1
3	1-1879215-0	Resistor Chip 0402 0.063W 4k99 0.1% 25ppm	10
3	53324-0960	Connector Header 9-Way 2mm	2
3	7-1879208-3	Resistor Chip 0402 0.063W 10k 0.1% 25ppm	2
3	7-1879208-7	Resistor Chip 0402 0.063W 15k 0.1% 25ppm	5
3	8-1879208-0	Resistor Chip 0402 0.063W 20k 0.1% 25ppm	3
3	ABM3-20.000MHZ-D	Crystal 20MHz 30ppm 18pF Surface Mount 5mm x 3.2mm	1
3	AD8276ARMZ	IC AD8276 Low Power Unity-Gain Difference Amplifier -40°C to	2
3	APTL3216CGCK	LED Green1206 Clear 3.2X1.6MM	1
3	BAT54XV2T1G	Diode Schottky BAT54 SOD-523	1
3	BC847B,215	Transistor BC847 Bipolar NPN SOT-23	1
3	C0402C270J5GACT	CAP CER 27PF 50V 5% NPO 402	2
3	C1005X5R1A225K05	Capacitor Chip 0402 Ceramic X5R 2.2u 10% 10V	5
3	CC0603MRX5R5BB1	Capacitor Chip 0603 Ceramic X5R 10u 20% 6.3V	5
3	CD143A-SR3.3	Transient Voltage Suppressor Diode Array SR3.3 SOT-143	6
3	44-02R2-10	RES 02R2 0.063W 1% 402	2
3	EMK316B7106KL-TD	Capacitor Chip 1206 Ceramic X7R 10u 10% 16V	2
3	ERA-2AEB202X	RES 2K 0.63W 1% 402	3
3	ERJ-L03KJ10CV	Resistor Chip 0603 0.2W R100 5% 200ppm	4
3	ESDA25L	Transient Voltage Suppressor 25V Unidirectional Dual SOT-23	5
3	ESDA6V1L	Transient Voltage Suppressor 6V1 Unidirectional Dual SOT-23	6
3	EXC-24CB221U	Inductor Common Mode Choke Surface Mount	6
3	EXT P&P	External Pick and Place	29
3	FBMH1608HM101-T	FERRITE BEAD 100 OHM 0603	7
3	FBMJ3216HS480NT	Ferrite Chip Bead 1206 6A 48 Ohm	3
3	FIN1001M5X	IC FIN1001 LVDS 1-Bit High Speed Driver -40°C to 85°C SOT-23	2
3	FIN1002M5X	IC FIN1002 LVDS 1-Bit High Speed Receiver -40°C to 85°C	2
3	GLFR1608T1R0M-L	Inductor 1uH +/-20% 230mA 80 mOhm 0603	1
3	GRM155R61A105KE	Capacitor Chip 0402 Ceramic X5R 1u 10% 10V	5
3	41-100N-04	Capacitor, 0402, 100n X7R 10% 16V Ceramic, NiSn	50
3	GRM155R71H102KA	Capacitor Chip 0402 Ceramic X7R 1n 10% 50V	2
3	GRM188R60J106ME	CAP CER 10U 6.3V 20% X5R 603	5
3	GRM21BR71A106KE	Capacitor Chip 0805 Ceramic X7R 10u 10% 10V	2
3	GRM31CR71A226KE	Capacitor Chip 1206 Ceramic X7R 22u 10% 10V	1
3	INA213AIDCKR	IC CURRENT MONITOR 1% SC70-6	2
3	LBC2012T1R0M	FIXED IND 1UH 620MA 247 MOHM SMD	1
3	M20-9980345	Header DIL 6-Way 6.1mm Pitch 2.54mm	1
3	20-H10-02	PCB Header, 5+5way, 2mm, Polarise, Jackscrews, Gold	1
3	20-H14-02	PCB Header, 7+7way, 2mm, Polarised, Jackscrew, Gold	1
3	MC9S08PT32VLH	IC MC9S08PT32 8-bit Microcontroller -40°C to 105°C LQFP-64	1
3	MCR01MRTF4702	RES 47K 0.063W 1% 402	5
3	MIC5225-3.3YM5	IC MIC5225 150 mA Fixed +3.3V Low Dropout Linear Regulator	1
3	OPA378AIDBVT	IC OPAMP CHOPPER 900KHZ SOT23-5	3
3	RC0402FR-07100KL	RES 100K 0.063W 1% 402	2
3	RC0402FR-07100RL	RES 100 0.063W 402	7
3	RC0402FR-07120RL	RES 120 0.063W 1% 402	1
3	RC0402FR-0715KL	RES 15K 1% B402	2
3	RC0402FR-071K2L	RES 1.2K 0.063W 1% 402	1
3	RC0402FR-071KL	RES 1K 0.63W 1% 402	2
3	RC0402FR-071ML	RES 1M 0.63W 1% 402	1
3	RC0402FR-0722RL	RES 22 0.063W 1% 402	5
3	RC0402FR-07330RL	RES 330 0.063W 1% 402	2
3	RC0402FR-073K3L	RES 3.3K 0.063W 1% 402	1
3	RC0402FR-07470RL	RES 470 0.063W 1% 402	1
3	RC0402FR-730KL	RES 30K 0.063W 1% 402	2
3	RC0402FR-73KL	RES 3K 0.63W 1% 402	6

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3	RC0603FR-072K4L	Resistor Chip 0603 0.1W 2k4 1% 100ppm	1
3	RC0603FR-7820RL	RS 820 0.1W 1% 603	1
3	REF3125AIDBZR	C VREF SERIES 2.5V SOT23-3	1
3	RL1220S-R10-F	Resistor Chip 0805 0.25W R100 1% 200ppm	1
3	RMCF0402FT10K0	RES 10K 0.63W 1% 402	4
3	RMCF0402FT4K70	RES 4.7K 0.063W 1% 402	7
3	SN65HVD32DR	IC SN65HVD32 RS422 Transceiver -40°C to 85°C SO-8	1
3	SPX29152T5-L	IC SPX29152 ADJ 1.5A Low Dropout Linear Regulator TO-263	3
3	SPX29502T5-L	IC SPX29502 ADJ 5A Low Dropout Linear Regulator TO-263 5-Pin	1
3	TPS72301DBVT	IC TPS72301DBVT 200 mA Negative Adjustable Low Dropout	2
3	WSL0805R0100FEA	Resistor Chip 0805 0.125W R010 1% 75ppm	1
2	10-352B-331	RF Unit Chassis, E10G	1
2	10-352B-333	WR12 Waveguide, H-bend	1
2	10-352B-335	Waveguide adaptor plate, E10G	1
2	31-12-30	WR12, H-bend	1
2	10-352B-336	WR12 Waveguide, 2xE+H Bend, UG387 Flanges	1
2	10-352B-337	WR12 Waveguide, E+H Bend, UG387 Flanges	1
2	10-352S-332	RF Box Lid with Handle Mounts	1
2	11-BS020	O Ring Silicon, BS020, ID 7/8in, CS 1/16in	1
2	11-BS276	O Ring Silicon, BS276, ID 11in, CS 1/8in	1
2	14-A2.5M6-12	Screw, M2.5 6mm, PCR, SS, w/Captive Washer	2
2	14-A2M20-05	Screw, M2 20mm, Socket Hd, SS	4
2	14-A3M30-01	Screw, M3 30mm, PCR, Philips, SS	8
2	14-A3M35-01	Screw, M3 35mm, PCR, Philips, SS	4
2	14-A3M8-12	Screw, M3 8mm, PCR, SS, w/Captive Washer	31
2	14-A440UNC7.9-05	Screw, 4-40UNC x 5/16in, Socket Hd, SS	42
2	14-A4M8-05	Screw, M4 8mm, Socket Hd, SS	4
2	14-D1.5M6-01	M1.56 x 7.9mm SS Dowel Pin	10
2	15-2.5M-01	Washer, M2.5 Spring, SS	42
2	15-2M-01	Washer, M2 Spring, SS	4
2	15-3M-01	Washer, M3 Spring, SS	16
2	30-X-12	Adaptor, Bulkhead, SMA(f) - SMA(f)	3
2	820BW80001	Eband Diplexor	1
2	JDWBF72100U2500	BPF 72.1GHz 2dB BANDWIDTH 2.5GHz	1
2	JDWBF82100U2500	BPF 82.1GHz 2dB BANDWIDTH 2.5GHz	1
2	QPW-81862830-P3	HPA 81-86 GHz Amplifier	1
2	ZX10-2-126+	2 Way splitter Mini Circuits	1
2	14-A3M16-05	Screw, M3 16mm, Socket HD, SS	4
2	11-0120	Strike, Over Centre, Stainless Steel	4
2	07-352B-529	XCable, Chassis (RFU) to Down Converter Rx IF	1
2	10-352A-122	WR12 H-Bend Adapter, 33.17x25mm, UG387/Sq Flange	1
2	02-352B-45	Synthesiser, Dual, 9.6375/9.9875GHz, E-band Link	1
2	15-4M-01	Washer, M4 Spring, SS	8
2	14-A4M10-05	Screw, M4 10mm, Socket HD, SS	4
2	11-BS028	O Ring Silicon, BS028, ID 1 3/8in, CS 1/16in	1
2	11-BS027	O Ring Silicon, BS027, ID 1 5/16in, CS 1/16in	1
2	08-352B-330	Assembly, Cable Grouping RF Unit	1
3	07-352B-520	XCable, 100MHz Chassis (RFU) to DLCRO	1
4	26-086-7SM+	Cable coax Handflex SMA-SMA 178mm	1
3	07-352B-525	Cable, Chassis (RFU) to RFMC Comms and Power	1
4	07-0001	Cable, Cat5e, Blue, 100m	0.002
4	20-C12-02G	Plug, Circ MIL-C-26482, 14-12p, Sldr, 4Hole Panel Mt, Olive	1
4	21-P14-01	Socket, Vert, 14way, JTEK14, screw lock	1
4	25-I-01	Wire, 19/0.2, Black PTFE, 20AWG 0.62mm2, Ag/Cu	0.8
4	25-I-02	Wire, 19/0.2, Red PTFE, 20AWG 0.62mm2, Ag/Cu	0.4
4	25-I-04	Wire, 19/0.2, Brown PTFE, 20AWG 0.62mm2, Ag/Cu	0.2

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4	25-I-05	Wire, 19/0.2, Orange PTFE, 20AWG 0.62mm2, Ag/Cu	0.4
4	25-I-06	Wire, 19/0.2, Blue PTFE, 20AWG 0.62mm2, Ag/Cu	0.2
4	27-H-27	Heatshrink, 4.8mm, Yellow	0.04
4	27-P-11	Contact, Female, JTEK	14
4	EXT P&P	External Pick and Place	32.85
3	07-352B-530	XCable, Chassis (RFU) to Up/Down Converter	2
4	26-086-8SM+	Cable coax Handflex SMA-SMA 203mm	1
3	07-352B-531	XCable, DLCRO to Splitter	1
4	26-086-8SM+	Cable coax Handflex SMA-SMA 203mm	1
3	07-352B-532	XCable, Splitter (RFU) to Up Converter	1
4	26-086-5SM+	Cable coax Handflex SMA-SMA 127mm	1
3	07-352B-533	XCable, Splitter (RFU) to Down Converter	1
4	26-086-12SMRSM+	Cable coax Handflex SMA (right)-SMA 305mm	1
3	07-352B-534	Cable, RFMC to Up/Down Converters	2
4	21-P9-01	Socket, Housing, 9way, w/Pol Key+Lock, Mi-II 2mm	1
4	27-H-03	Heatshrink, 4.8mm, White	0.04
4	27-P-05	Contact, Female, Mi-II, Crimp, AWG24-30	9
4	27-S-05	Braided Sleeving 3-5mm, Grey	0.3
4	A2	Assembly Level 2	0.15
4	M83513/03A03N	CON 9pin Male Mircro D 18" coloured cables	1
3	07-352B-535	Cable, RFMC to Thermistor/DLCRO/HPA	1
4	21-P10-02	Socket, Vert, 10way, JTEK10, screw lock	1
4	25-I-140	Wire, 7/0.2, White PTFE, 24AWG 0.22mm2, Ag/Cu	0.22
4	25-I-141	Wire, 7/0.2, Black PTFE, 24AWG 0.22mm2, Ag/Cu	1.1
4	25-I-142	Wire, 7/0.2, Red PTFE, 24AWG 0.22mm2, Ag/Cu	0.66
4	25-I-147	Wire, 7/0.2, Orange PTFE, 24AWG 0.22mm2, Ag/Cu	0.22
4	27-P-11	Contact, Female, JTEK	10
4	A2	Assembly Level 2	0.15
4	22-T-05	Thermistor THERM NTC 1K SCREW MNT	1
1	02-352B-350	Connector Plate sub-assembly, E10G	1
2	10-352B-351	Connector chassis, E10G	1
2	10-352B-352	Connector chassis gasket, E10G	1
2	11-BS023	O Ring Silicon, BS023, ID 1 1/16in, CS 1/16in	1
2	14-A4M25-05	Screw, M4 25mm, Socket HD, SS	5
2	15-4M-01	Washer, M4 Spring, SS	5
2	27-X-36	SFP, Industrial, Receptacle/Panel Nut Assembly, Optical	1
2	07-352B-502	Chassis (Shroud) to Chassis (Motor Box)	1
3	20-C4-09G	Plug, Circ MIL-C-5015, Sh18-10, 4p, Sldr, 4Hole Panel, Olive	1
3	21-C4-06	Socket, Circ, IP67, 3s+PE, Screw, Silver, Free, Straight	1
3	25-I-55	Wire, 30/0.25, Black PVC 1.5mm2, Copper	0.8
3	25-I-56	Wire, 30/0.25, Red PVC 1.5mm2, Copper	0.8
3	27-H-21	Heatshrink, 3.2mm, White	0.04
3	27-S-05	Braided Sleeving 3-5mm, Grey	0.75
3	EXT P&P	External Pick and Place	30.1
1	02-352B-40	Feed/Monopulse Assembly	1
2	02-352B-60	Monopulse Coupler sub-assembly, 24GHz	1
3	02-352B-65	Monopulse Sum Port sub-assembly	1
4	10-352B-66	Monopulse Sum Port, Part 1	1
4	10-352B-67	Monopulse Sum Port, Part 2	1
4	14-A2.5M12-01	Screw, M2.5 12mm, PCR, Philips, SS	16
4	15-3M-01	Washer, M3 Spring, SS	16
4	A1	Assembly Level 1	0.5
3	10-352B-61	Input Section, Monopulse Coupler, 24GHz	1
3	10-352B-62	Monopulse Coupler, 24GHz, Part 1	1
3	10-352B-63	Transition, Circ/Rect, Monopulse Coupler, 24GHz	1
3	10-352B-71	Monopulse Coupler, 24GHz, Part 2	1
3	10-352B-72	Monopulse Coupler, 24GHz, Part 3	1

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3	10-352B-73	Monopulse Coupler, 24GHz, Part 4	1
3	14-A2.5M12-05	Screw, M2.5 12mm, Socket HD, SS	7
3	14-A2.5M25-05	Screw, M2.5 25mm, Socket HD, SS	21
3	14-A2.5M8-05	Screw, M2.5 8mm, Socket HD, SS	8
3	14-A2M12-11	Screw, M2 12mm, Cheese Hd, Brass	6
3	14-A3M16-05	Screw, M3 16mm, Socket HD, SS	4
3	14-A3M8-05	Screw, M3 8mm, Socket HD, SS	4
3	15-2.5M-01	Washer, M2.5 Spring, SS	36
3	15-2M-52	Nut, M2 Hex, Brass	5
3	15-3M-01	Washer, M3 Spring, SS	12
3	A1	Assembly Level 1	1.5
3	15-2M-52	Nut, M2 Hex, Brass	5
2	02-352B-75	Feed Support, E-band Link	1
3	10-352B-76	Feed Support, Part 1	1
3	10-352B-77	Feed Support, Part 2	1
3	10-352B-78	Feed Support, Part 3	2
3	14-A3M8-04	Screw, M3 8mm, CSK, Philips, SS	42
3	A1	Assembly Level 1	0.75
2	10-352A-701	Spacer Post, TE10G	4
2	10-352B-41	Mounting Plate, Feed, E-band	1
2	10-352B-42	Alignment Ring, Feed, E-band	1
2	10-352B-45	Waveguide, WR12, Feed, E-band	1
2	10-352B-64	Waveguide Locator, E-band Feed	1
2	10-352B-70	Horn, 5way, E-band Feed	1
2	11-BS016C	O Ring Conductive, BS016, ID 15.60 CS 1.78, Silicon/SSA	9
2	14-A2.5M16-05	Screw, M2.5 16mm, Socket HD, SS	4
2	14-A2.5M6-05	Screw, M2.5 6mm, Socket HD, SS	2
2	14-A3M10-05	Screw, M3 10mm, Socket HD, SS	12
2	14-A3M16-05	Screw, M3 16mm, Socket HD, SS	8
2	14-A3M8-05	Screw, M3 8mm, Socket HD, SS	16
2	14-A6M12-05	Screw, M6 12mm, Socket HD, SS	4
2	14-D3M8-01	Dowel Pin, M3 x 8mm, SS	4
2	15-2.5M-01	Washer, M2.5 Spring, SS	4
2	15-3M-01	Washer, M3 Spring, SS	36
2	15-6M-01	Washer, M6 Spring, SS 316	4
2	A2	Assembly Level 2	2
2	14-D3M8-01	Dowel Pin, M3 x 8mm, SS	4
1	02-352A-194	Pole Mount Bracket, E-Band Link	1
2	10-352A-195	Main Bracket Strut, E-Band Link Pole Mount	1
2	10-352A-197	Support Strut, E-Band Link Pole Mount	4
2	10-352A-198	Eye Bolt, E-Band Link Pole Mount	1
2	10-352A-199	Pole Mount C-Channel, E-Band Link Pole Mount	1
2	10-352A-200	Elevation Support, E-Band Link Pole Mount	1
2	10-352A-201	Elevation Bend, E-Band Link Pole Mount	2
2	10-352A-203	Backing Plate, E-Band Link Pole Mount	1
2	10-352A-204	Azimuth Arm, E-Band Link Pole Mount	1
2	14-B16M40-06	Bolt, M16 40mm, Hex Hd, SS	16
2	14-B16M50-06	Bolt, M16 50mm, Hex Hd, SS	7
2	14-B16M60-06	Bolt, M16 60mm, Hex Hd, SS	5
2	14-B16M70-06	Bolt, M16 70mm, Hex Hd, SS	1
2	14-U12M114-01	U-BOLT, 12mm x100mm N.B., SS, w/Nuts	3
2	15-16M-01	Washer, M16 Spring, SS	31
2	15-16M-02	Washer, M16 Flat, SS	31
2	15-16M-50	Nut, M16 Hex, SS	21
1	02-352B-610	Radome Kit E10G 1200	1
2	10-352A-610	Radome, E-band Link	1
2	14-A8M30-05	Screw, M8 30mm, Socket HD, SS316	18

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2	15-8M-01	Washer, M8 Spring, SS	18
1	10-352B-139	Brass Weight, Arc, Front Axis, E10G	4
1	10-352B-140	Brass Weight, Round, E10G	10
1	10-352B-180	Gimble Lock Peg, E10G	3
1	10-352B-183	Locking Peg Saddle, E10G	1
1	11-0035	M10 Retainer clip M10x1.8 SS	3
1	13-352B-001	Azimuth Adjustment Pole	1
1	11-BS012	O Ring Silicon, BS012, ID 3/8in, CS 1/16in	3
1	14-A1032UNC1/2-05	Screw, 10-32UNC x 1/2in, Skt Hd Cap, SS	4
1	14-A10M20-05	Screw, M10 20mm, Socket HD, SS	3
1	14-A3M6-12	Screw, M3 6mm, PCR, SS, w/Captive Washer	13
1	14-A4M12-05	Screw, M4 12mm, Socket HD, SS	4
1	14-A4M25-05	Screw, M4 25mm, Socket HD, SS	5
1	15-4M-01	Washer, M4 Spring, SS	9
1	JDHA-42-20S	HORN ANTENNA 18-26.6GHz 3dB WIDTH 18 DEGREES	1
1	TECH-ASSEMBLY	Technician Assembly	10
1	21-C4-10G	Plug, Circ MIL-C-5015, Sh18-10, 4p, Sldr, Free Straight, Oliive	0
1	20-LCP-01	PLUG ASSY SM METAL B ODY INDFibre Optic Connector	0