

BOM PCB Version: V2.0

No.	Prior	MPN	Description	Packet	Qty.	Location
1	A	AD6548BCPZ	RF Tranceiver 5.0x5.0x1.0mm	LFCSP-32	1	U101
2	A	RPF88163B	TX Module 6*7*1mm	6.0*7.0*1.0mm	1	U102
3	A	MM8430-2600B	RF test socket	3*3*1.75	1	SA100
	B	ECT818000001				
	C	C90-101-0004				
4	A	SAWEN881MCYOF00R14	Diplexer SAW for 850&900	1.8*1.35*0.5mm	1	U105
	B	SFRM81DY102				
5	A	SAWEN1G84CWOF00R14	Diplexer SAW for 1800&1900	1.8*1.35*0.5mm	1	U106
	B	SFRG42MY002				
6	A	SAFEA1G57KEOF00	SAW for GPS	1.4*1.1*0.5mm	1	U507
	B	B39162B9444M410				
	C	EFCH1575TDB1				
7	A	SAFEB1G57FMOF00	SAW for GPS	1.4*1.1*0.6mm	1	U505
	B	B39162B9417K610				
	C	EFCH1575TDA1				
8	A	E3SB26.0000FBES11M	26MHZ, 11.5pf, 10ppm/10ppm, CO=3pf	3.2*2.5	1	U104
	B	7M26000018	26MHZ, 11pf, 10ppm/10ppm, CO=5pf			
	C	XTL571100-M118-041	26MHZ, 10.9pf, 10ppm/10ppm, CO=1.9pf			
	D	TZ1387AA	26MHZ, 11.2pf, 10ppm/10ppm, CO=5pF			
9	A	1XTW26000CCA	26MHZ TCXO, 3.0V, +/-0.05ppm	3.2*2.5	1	U503
10	A	MT6223D	BB processor	TFBGA 9*9	1	U200
11	A	EN71PL032A0A-70CWP	MCP 2 in 1(32+16), 2.8V, 56 ball	BGA 7*9*1.2	1	U401
12	A	LIS33DETR	ST 3-axis ±2g/±8g	LGA16 3*3*1mm	1	U403
13	A	UBX-G6010-ST	U-Blox GPS Chip	MLF56 8*8mm	1	U501
14	A	μ PC8236T6N-E2	GPS LNA, NF=0.8dB, Gp=19.5dB	T6N 1.5*1.5*0.4	1	U508
16	A	X' TAL-MS3V-T1R-32.768kHz--12.5pF-30ppm	32.768kHz; +/-30ppm; 12.5pF; Crystal	7215	2	X201, X501
	D	MS5V-T1R 32.768KHZ 12.5PF 20PPM	32.768kHz; +/-20ppm; 12.5pF; Crystal	4.7*1.15*1.15		
17	A	NTLJF3117PT1G	MOSFET (Combo Diode)	WDFN6	1	U201
	B	FDMA2P853		MicroFET2X2		
	C	RCRH003FB		DFN2X2		
	D	MC3117		DFN2X2		
	E	WPM2006-6/TR		DFN2X2		
18	A	FDMA1023PZ	P-MOSFET, Idmax=3.7A	MicroFET2x2x0.8mm	2	U301, U302
	B	FDMA6023PZT	P-MOSFET, Idmax=3.6A	MicroFET2x2x0.55mm		
19	A	PAS414HR-VG1	Backup Battery 3.3V		1	U506
	B	XH414H-IV01E				
	C	SCSM3R3703T01				

No.	Prior	MPN	Description	Packet	Qty.	Location	
	D	ML414RM-F9JE	Backup Battery 3.0V				
20	A	2SK3019TL	Mosfet	EMT3	1	Q302	
25	A	LTST-C193KRKT-5A	RED LED, 630nm typ.	0603	1	LED306	
	B	BL-HUB36G-AV-TRB	RED LED, 627~637nm				
	C	AOT-0603RE31A-N0-N-3-M	RED LED, 620~630nm				
26	A	LTST-C193SBKT-5A	Blue LED,465~475nm,10mA	0603	1	LED309	
	B	LTST-C193TBKT-5A					
	C	BL-HB336G-TRB					
	D	AOT-0603BL31A-N0-N-3-M					
	E	WE-SP194DNB74-5A-M					
27	A	LTST-C193KGKT-5A	Green LED	0603	2	LED307, LED308	
	B	BL-HGE36G-AV-TRB					
57	A	GRM21BR60J226M	22uF, +-20%, 0805, X5R, 1.40mm 6.3V	0805	2	C162, C305	
	B	C2012X5R0J226M	22uF, +-20%, 0805, X5R, 1.45mm 6.3V				
	C	C0805B226M007T	22uF, +-20%, 0805, X5R, 1.45mm 6.3V				
58	A	F930J107MBA	100uF Capacitance	3528	1	C192	
	B	TPSB107M006R0250					
	C	593D107X06R3B2T					
	D	T520B107M006ATE040					100uF, ESR=40mΩ @100KHz, 3.5x2.8x2.0mm, Volt Rating=6.3V, Tol=+/-20%
60	A	RL0805FR-7WOR39L	Resistance 0.39R (1% 0805 1/4W)	0805	1	R206	
	B	MCR10 EZH J LR39					
76	A	VN16-080J-471	MLV 0603 0.1J	0603	1	RV311	
	B	B72500T0060M060					
	C	SFI0603ML180C-LF					
	D	VRS0603MR090351N					0603 MLV, Vdc=9V, 0.1J 350pF@1KHz, 220pF@1MHz
	E	HL0603ML180C-LF					MLV 0603 0.1J, Vbr=18V, Vdc=14V
78	A	PA1575MK4G-366-21M	GPS Patch Antenna	15*15*4mm	1	ANT501	
79	A	5791003-991R	Battery Connector		1	XJ401	
80	A	LS10N2-T	Side Key		2	SW301, SW303	
	B	IT-1100AANP					
81	A	CAF98-06206-SA00-B	SIM Socket, Push Push		1	XJ303	
82	A	KIU81010S1R	10 pin I/O port		1	XJ301	
83	A	Air2011-GPS-Shielding	Air2011 GPS Shielded		1	H1	
84	A	Air2011-BB-Shielding	Air2011 BB Shielded		1	H2	
85	A	Air2011-RF-Shielding	Air2011 RF Shielded		1	H3	
86	A		Air2011 v2.0 Mainboard		1		