1 1 ANT, GPS ANT PA1575MZ50J4G-XX-16 2 1 ANT, GSM ANT POGO PIN 3 2 POGO PIN 4 6 C1, C2, C3, C4, C26 20pF CC0402KRX7R8BN220 C5, C6, C7, C8, C9, C15, C20, C21, C2 C1, C2, C3, C4, C26 C1, C3, C3, C4, C26 C1, C3, C4, C26 C1, C2, C2, C2 C1, C2 C1, C2, C2, C2 C1, C2 C2 C1, C3, C4, C3, C4, C4, C76 C1, C5, C6, C7, C8, C9, C1, C2, C2, C2 C1, C2 C1, C1, C2, C2, C2 C1, C2 C1, C2, C2, C2 C1, C2, C2 C1, C2 C1, C2, C2, C2 C1, C2, C2, C2 C1, C2, C2 C1, C2 C1, C2, C2, C2 C1, C2 C1, C2, C2 C1, C2 C1, C2, C2 C1, C2	Item	Quan	tity	Reference	Part	Footprint
3 2 POGO PIN  4 6 C1, C2, C3, C4, C26 c, C27		1	1	ANT. GPS	ANT	PA1575MZ50J4G-XX-16
4 6 C1, C2, C3, C4, C26 C5, C6, C7, C8, C9, C5, C6, C7, C8, C9, C5, C6, C7, C8, C9, C15, C20, C21, C2 C5, C6, C7, C8, C9, C15, C20, C21, C2 C5, C6, C7, C8, C9, C15, C20, C21, C2 C5, C21, C2, C21, C2, C21, C2, C21, C2, C21, C21					ANT	
C5. C6, C7, C8, C9,  5		3			POGO PIN	
5		4	6	, C27	20pF	CC0402KRX7R8BN220
6 1 C59 0. 1uF 7 3 C14, C30, C38 4. 7uF CL10F475ZBNC 8 3 C16, C66, C67 47pF CC0402KRNP08BN470 9 2 C19, C76 470uF TAJD477M010RNJ 10 3 C24, C74, C75 22uF TAJB226M010RNJ 11 1 C25 0. 0. 1uF CC0402KRX7R8BB103 12 1 C28 1uF CC09026KX7R7BB106 13 1 C33 10uF CC0805MX7R7BB106 14 1 C64 0. 47uF CC09026KX7R8BB474 15 1 D12 B1ue LED 0603 16 6 D1, D2, D3, D4, D5, Red LED 0603 17 2 D9, D10 LL4148 18 1 D11 BAT54SDW 19 1 J6 CON6-0. 5 20 1 J7 CON6-0. 5 21 1 J4 CON3-1. 25 22 1 J8 CON10-0. 5 23 1 L2 RR2012 (0805) L000 JT 24 1 P1 SIM WKSM009-1911 25 1 P2 MICRO-USB UB007-24123A51 26 6 Q1, Q3, Q5, Q6, Q8 2N7002 27 3 Q4, Q9, Q10 AP2305N R1, R4, R7, R8, R9, R9, R51, R77, R79, R8 9, R111 29 2 R5, R6 51K AR0402 JR-0751K 30 6 R11, R40, R45, R86 1M AR0402 JR-0751K 31 6 R33, R18, R19, R20 22R AR0402 JR-0751K 31 6 R13, R18, R19, R20 22R AR0402 JR-0710K R103, R104, R105, R103, R104, R105, R106, R107, R108, R109 23 6 R22, R28, R32, R78		5	28	C10, C11, C12, C13	0. 1uF	CC0402KRX7R8BB104
7 3 C14, C30, C38 4. 7uF CL10F475ZBNC 8 3 C16, C66, C67 47pF CCC402KRYP08BN470 9 2 C19, C76 470uF TAJD477M010RNJ 10 3 C24, C74, C75 22uF TAJB228M010RNJ 11 1 C25 0. 01uF CCC402KRX7R8BB103 12 1 C28 1uF CL10F105ZBNC 13 1 C33 10uF CCC402KRX7R8BB103 14 1 C64 0. 47uF CCC0402KRX7R8BB474 15 1 D12 Blue LED 0603 16 6 D1, D2, D3, D4, D5, Red LED 0603 17 2 D9, D10 LL4148 18 1 D11 BAT54SDW 19 1 J6 CON6-0. 5 20 1 J7 CON6-0. 5 21 1 J4 CON3-1. 25 22 1 J8 CON10-0. 5 23 1 L2 RR2012 (0805) L000JT 24 1 P1 SIM WKSM009-1911 25 1 P2 MICRO-USB UB007-24123A51 26 6 Q1, Q3, Q5, Q6, Q8 2N7002 27 3 Q4, Q9, Q10 AP2305N R1, R4, R7, R8, R9, 28 14 R10, R21, R24, R26 , R51, R77, R79, R8		6	1		0. 1uF	
9 2 C19, C76 470uF TAJD477M010RNJ 10 3 C24, C74, C75 22uF TAJB226M010RNJ 11 1 C25 0.01uF CCC0402KRX7R8BB103 12 1 C28 1uF CL10F105ZBNC 13 1 C33 10uF CC0805MKX7R7BB106 14 1 C64 0.47uF CC0402KRX7R8BB474 15 1 D12 16 6 D1, DZ, D3, D4, D5, Red LED 0603 16 6 D1, DZ, D3, D4, D5, Red LED 0603 17 2 D9, D10 LL4148 18 1 D11 BAT54SDW 19 1 J6 CON6-0.5 20 1 J7 CON6-0.5 21 1 J4 CON3-1.25 22 1 J8 CON10-0.5 23 1 L2 RR2012 (0805) L000JT 24 1 P1 SIM WKSM009-1911 25 1 P2 MICRO-USB UB007-24123A51 26 6 Q1, Q3, Q5, Q6, Q8 2N7002 27 3 Q4, Q9, Q10 AP2305N R1, R4, R7, R8, R9, R10, R21, R24, R26, R51, R77, R79, R8 9, R111 29 2 R5, R6 51K AR0402JR-074K7 30 6 R11, R40, R45, R86, R87, R110 31 6 R13, R18, R19, R20, R97, R112 R14, R15, R42, R43, R48, R52, R54, R6 0, R69, R72, R73, R 32 22 76, R92, R93, R96, 10K R103, R104, R105, R109 23 6 R22, R28, R32, R78 AR0402JR-0710K AR0402JR-0710K AR0402JR-0710K AR0402JR-0710K AR0402JR-0710K AR0402JR-0710K AR0402JR-0710K AR0402JR-0710K R103, R104, R105, R106, R107, R108, R109		7	3	C14, C30, C38	4. 7uF	CL10F475ZBNC
10		8			47pF	CC0402KRNP08BN470
11						TAJD477M010RNJ
11		10	3	C24, C74, C75	22uF	TAJB226M010RNJ
12		11			0. 01uF	CC0402KRX7R8BB103
14		12	1	C28		CL10F105ZBNC
15		13	1	C33	10uF	CC0805MKX7R7BB106
16 6 D1, D2, D3, D4, D5, Red LED 0603  17 2 D9, D10 LL4148  18 1 D11 BAT54SDW  19 1 J6 CON6-0. 5  20 1 J7 CON6-0. 5  21 1 J4 CON3-1. 25  22 1 J8 CON10-0. 5  23 1 L2 RR2012 (0805) L000 JT  24 1 P1 SIM WKSM009-1911  25 1 P2 MICRO-USB UB007-24123A51  26 6 Q1, Q3, Q5, Q6, Q8 2N7002  27 3 Q4, Q9, Q10 AP2305N  R1, R4, R7, R8, R9,  28 14 R10, R21, R24, R26 9, R111  29 2 R5, R6 51K AR0402 JR-074K7  30 6 R11, R40, R45, R86 1 R87, R110  31 6 R13, R18, R19, R20 22R AR0402 JR-071M  31 6 R13, R18, R19, R20 22R AR0402 JR-0710K  R103, R104, R105, R109, R108, R109  R22 R28, R32, R78  AR0402 JR - 0710K		14	1	C64	0. 47uF	CC0402KRX7R8BB474
17		15	1	D12	Blue LED	0603
17		16	6	D1, D2, D3, D4, D5,	Red LED	0603
18						
19						
20						
21						
22						
23						
24 1 P1 SIM WKSM009-1911 25 1 P2 MICRO-USB UB007-24123A51 26 6 Q1, Q3, Q5, Q6, Q8 2N7002 27 3 Q4, Q9, Q10 AP2305N R1, R4, R7, R8, R9, 28 14 R10, R21, R24, R26, R51, R77, R79, R8 9, R111 29 2 R5, R6 51K AR0402JR-0751K 30 6 R11, R40, R45, R86, R87, R110 31 6 R13, R18, R19, R20, R97, R112  R14, R15, R42, R43, R48, R52, R54, R6 0, R69, R72, R73, R 32 22 76, R92, R93, R96, 10K R103, R104, R105, R109 R22, R28, R32, R78 R14, R15, R42, R43 R109 R24 AR0402JR-0710K R103, R104, R105, R106, R107, R108, R109 R22 R28, R32, R78 R32 AR0402JR-074K7						
26 6 Q1, Q3, Q5, Q6, Q8 2N7002 27 3 Q4, Q9, Q10 AP2305N R1, R4, R7, R8, R9, R10, R21, R24, R26, R51, R77, R79, R8 9, R111 29 2 R5, R6 51K AR0402JR-0751K 30 6 R11, R40, R45, R86, R87, R110 31 6 R13, R18, R19, R20, R97, R112 R14, R15, R42, R43, R48, R52, R54, R6 0, R69, R72, R73, R 32 22 76, R92, R93, R96, 10K R103, R104, R105, R109 R22, R28, R32, R78 R32 6 R22, R28, R32, R78 R33 AR0402JR 074K7						WKSM009-1911
26 6 Q1, Q3, Q5, Q6, Q8 2N7002 27 3 Q4, Q9, Q10 AP2305N R1, R4, R7, R8, R9, R10, R21, R24, R26, R51, R77, R79, R8 9, R111 29 2 R5, R6 51K AR0402JR-0751K 30 6 R11, R40, R45, R86, R87, R110 31 6 R13, R18, R19, R20, R97, R112 R14, R15, R42, R43, R48, R52, R54, R6 0, R69, R72, R73, R 32 22 76, R92, R93, R96, 10K R103, R104, R105, R109 R22, R28, R32, R78 R32 6 R22, R28, R32, R78 R33 AR0402JR 074K7						UB007-24123A51
27						
28						
30 6 R11, R40, R45, R86		28	14	R10, R21, R24, R26 , R51, R77, R79, R8	4.7K	AR0402JR-074K7
31 6 R13, R18, R19, R20 22R AR0402JR-0722R  R14, R15, R42, R43 , R48, R52, R54, R6 0, R69, R72, R73, R  32 22 76, R92, R93, R96, 10K R103, R104, R105, R106, R107, R108, R109  AR0402JR-0710K		29	2	R5, R6	51K	AR0402JR-0751K
R14, R15, R42, R43 , R48, R52, R54, R6 0, R69, R72, R73, R 32 22 76, R92, R93, R96, 10K R103, R104, R105, R106, R107, R108, R109  R22, R28, R32, R78		30	6	R11, R40, R45, R86 , R87, R110	1M	AR0402JR-071M
, R48, R52, R54, R6 0, R69, R72, R73, R  32 22 76, R92, R93, R96, 10K R103, R104, R105, R106, R107, R108, R109  AR0402 IR 074K7		31	6	R13, R18, R19, R20 , R97, R112	22R	AR0402JR-0722R
33 6 R22, R28, R32, R78 47K AR0402JR-074K7		32	22	, R48, R52, R54, R6 0, R69, R72, R73, R 76, R92, R93, R96, R103, R104, R105, R106, R107, R108,	10K	AR0402JR-0710K
		33	6	R22, R28, R32, R78 , R80, R90	47K	AR0402JR-074K7

	D20 D20 D101 D1		
34	4 R38, R39, R101, R1 02	OR	AR0402JR-070R
35	1 R55	1. 18K+-1%	AR0402FR-071K18
36	1 R56	1. 13K+-1%	AR0402FR-071K13
37	1 R57	46.4K+-1%	AR0402FR-0746K4
38	1 R58	1K	AR0402JR-071K
39	3 R68, R83, R84	100K	AR0402JR-07100K
40	2 R98, R99	0. 02R+-1%	AR0805FR-130R02
41	1 SW1	SW1	2Pin Switch
43	1 U1	STM32L152RBT6	LQFP64
44	1 U2	MX25L1606EM2I-12G	S08W
46	1 U4	SP809EK-2-6	S0T32
47	1 U5	SIM900	
48	1 U6	NEO-6M	
49	1 U7	CH340T	SSOP20
50	1 U8	BQ24072RGTT	QFN16
51	1 U9	TLV70033DDCT	SOT23
52	1 U10	BQ27510DRZR-G3	QFN12
53	1 U12	ADXL345BCCZ	LGA14
54	1 Y1	MC146 (32. 768KHz)	SMD0715
55	1 Y2	8MHz	SMD5032
56	1 Y3	12MHz	SMD5032
57	1 U15	BM085	
58	1 U14	AM2321	
59	1 U11	ADT7420UCPZ-R2	QFN16
60	1 J1	CON10-0. 5	000 100 WDW
61	3 C48, C49, C50	0. 1uF	CC0402KRX7R8BB104
62	2	TSL2561T	QFN6
63	2	FPC-LUX	Cable
64	1 U101	PNX4902	PBGA-273
65	1 U302	M36W0R6050U4ZS	M36W0R6050U4ZS
66 67	1 U102	RF7161DS B9500	RF7161DS
68	1 U103	SAFEA942MFL0F00	B9500 SAFEA942MFL0F00
69	1 U104 1 U105	SAFEG96FA0F00	SAFEG96FA0F00
70	1 U105 1 U107	26MHz (Crystal)	SVILEGAOLVOLOO
70 71	1 U1001	UBX-G6010-ST	GPS
71 72	1 U1001 1 U1002	Crystal RD325	טו ט
14	1 01002	Crystal ND323	