

IC		
1	UE910	U1
2	TXS0108EPWR	U2
3	MIC5233-1. 8BM5	U6
4	MIC5219-3. 3BM5	U7
5	TPS5430	U11
6	LT3680	U13, U15
7	XFS5152CE	U20
8	CAT811R 2. 63V	U21
9	FDS4435	U23, U25
10	TPA2005	U22
11	LTC4412IS6	U24
Diode		
12	5822	D1
13	SS34	D2, D4, D12, D13
14	4148CC	D5
15	1N5819HW	D3, D7
Transistor		
16	MMBT9013	Q1, Q2, Q3, Q4
Resistor		
17	0	R1, R3, R8, R13, R17, R18, R21, R22, R26, R124
18	16RD	R99
19	100RD	R73
20	1K	R2, R9, R20, R54, R57, R77, R118, R121, R122, R123
21	2kD	R95
24	10K	R4, R10, R30, R41, R42, R53, R61, R63, R64, R76, R96, R97, R98, R103, R104, R105, R106, R107, R109, R110, R112, R113, R114, R115, R125
25	68kD	R100
26	75kD	R101, R102
27	100kD	R93
28	1. 69kD 1%	R58
29	10K 1%	R56, R65
30	10. 7kD 1%	R55
31	1. 5k 1%	R62
32	15k 1%	R59
33	19k 1%	R80, R81
34	63. 4kD 1%	R108, R111
35	100kD 1%	R116, R119
36	316kD 1%	R120
37	422kD 1%	R117
38	4. 7M	R94

<b>Capacitor</b>		
39	10pF	C16
40	33pF	C17, C21, C26
41	27pF	C110, C111
42	47pF	C65
43	470pF	C95, C121
44	1nF	C12, C116, C117
45	10nF	C11, C55, C115
46	470nF	C22, C118, C122
47	104	C1, C2, C10, C20, C23, C25, C31, C61, C63, C66, C67, C84, C97, C113, C119, C120, C123, C124, C125, C126, C128, C134
48	1uFD	C8, C19, C112, C114, C127
49	2. 2uFD	C30
50	10uFE	C87, C88
51	47uFF/25V	C71, C73, C75, C76, C77, C78, C79, C81, C82, C83, C85, C86, C89
52	220uF/16V	C62
53	UTC 22mF	C6
54	NFE31PT221D1E9L	C130, C131, C132
<b>Inductor</b>		
55	FB-100M/600R	L11
56	600ohm@100MHz	L7, L8
57	22uHS	L1
58	4. 7uH	L9, L10
<b>Others</b>		
59	Battery shrapnel	VBAT, GND
60	MCX Slot	A7
61	52559-1052	J1
62	SIM 476030001	J9
63	533980271	J10
64	buzzer	SP1
65	7G-RELAY	U3, U4
66	TRM450 Mdule	U14
67	12M Crystal	Y2
68	DF9-9S-1V	U27
69	DF9-17S-1V	U28
70	DF9-51S-1V	U29

IC		
1	STM32F407IGH6	U1
2	USBLC6-2SC6	U2
4	MAX3243EIRHBR	U5
5	XC2C64A-QN48	U6
6	SanDisk-SDIN5C1-4G	U7
7	LT3680	U12
8	LSM303D	U4

### Diode&Transistor

8	3.3V Regulator tube	D10
9	SS34	D9
10	1N5819HW	D17
11	4148CC	D8

### Resistor

12	0	R29, R105, R40
13	22R	R8, R9
14	100RD	R115
15	1K	R49, R52
16	1.5kD	R4, R30, R31
17	4.7kD	R70, R82
18	10K	R26, R27, R28, R35, R37, R39, R41, R48, R60, R72, R75, R83
19	19kD 1%	R63
20	63.4kD 1%	R74
21	316kD 1%	R78
22	100kD 1%	R176
23	100K	R34, R47
24	10M	R32
25	0R	R33
26	200RDP	R45
27	10KP	R36, R50, R51, R53, R54, R55, R56, R58, R69

### Capacitor

28	10pFD	C2
29	12pF	C25, C26
30	47pF	C45
31	470pFD	C67, C70
32	10nF	C44
33	104	C1, C13, C14, C15, C16, C17, C18, C20, C21, C31, C32, C34, C36, C37, C48, C49, C78, C126
34	220nF	C53
34	470nF	C66
35	1uF	C28, C29, C46
37	4.7uF	C51
36	2.2uFE	C24, C30, C35
37	4.7uF	C68
38	22uFG	C76, C77

39	100uF/16V	C47, C75
40	NFM41PC204F1H3L	C93
41	NFE31PT221D1E9L	C131, C132
42	NFA31CC221S1E4D	EMI5, EMI6, EMI7, EMI8, EMI9, EMI5, EMI6, EMI7, EMI8, EMI9,

### Inductor

43	4.7uH	L1

### Others

44	DF9-51S-1V	U29
45	Double row socket	U10
46	Coaxial male	U10
47	Coaxial	A1
48	25M Crystal	Y1
48	CON12-1.27mm	J17, J18

DY-GNSSR044P00A			
Name	Description	Quantity	Location
DY14029C.01	PCB	1	
10 Ω	10 Ω Resistor	1	R13
15 Ω	15 Ω Resistor	1	R14
27 Ω	27 Ω Resistor	2	C8 R12
30 Ω	30 Ω Resistor	2	R9 R19
51 Ω	51 Ω Resistor	7	R1 R2 R3 R4 R5 R6 R8
150 Ω	150 Ω Resistor	1	R18
30k Ω	30k Ω Resistor	1	R16
43k Ω	43k Ω Resistor	1	R15
2.2nH	2.2nH Inductor	2	L6 L7
22nH	22nH Inductor	4	L2 L4 L5 L8
18nH	18nH Inductor	2	L1 L3
82nH	82nH Inductor	1	L9
0.5pF	0.5pF Capacitor	1	C41
1pF	1pF Capacitor	1	C19
2pF	2pF Capacitor	1	C24
1.5pF	1.5pF Capacitor	1	C7
6.8pF	6.8pF Capacitor	2	C12 C21
30pF	30pF Capacitor	8	C11 C22 C33 C37 C40 C42 R17 C44
1000P	1000P Capacitor	5	C3 C5 C16 C17 C35
100nF	100nF Capacitor	18	C2 C6 C10 C13 C14 C18 C23 C27 C28 C29 C30 C31 C32 C34 C36 C38 C39 C43
1U	1u Capacitor	4	C1 R7 C15 C20
BGA622	Low noise amplifier tube	2	U3 U4
NE3509M04	Low noise amplifier tube	2	U1 U2
TL1762EMS8	Regulator IC	1	U5
SRP1221F3R1 14FA	filter	1	F1
4DFA-1591L- 10	filter	1	F3
SRP1221F4R1 14FA	filter	1	F2
CMF4C1590F5 8C	filter	1	F4
HC1600P03	Bridge	3	D4 D5 D6
HC1400P03S	Bridge	3	D1 D2 D3
P6SMB20A	TVS Tube	1	D7

Reference	Description	Um	Qty
PCB	UE910 MODULE PCB	Pcs	1
R202 R101 R105 R811 R109 R810 R809 R110 R111 R112 R206 R115 R503 R124 R701 R703 R806 R706 R402	RES SMD 0 OHM JUMPER 1/20W 0201	Pcs	19
R125	RES SMD 3.3 R 5% 1/20W 0201	Pcs	1
R401	RES SMD 4.7 R 5% 1/20W 0201	Pcs	1
R123	RES SMD 10 R 5% 1/20W 0201	Pcs	1
R106 R107 R207	ES SMD 51 R 5% 1/20W 0201	Pcs	3
R203 R409	RES SMD 100 R 5% 1/20W 0201	Pcs	2
R310 R311	RES SMD 1 K 5% 1/20W 0201	Pcs	2
R303	RES SMD 1.8 K 5% 1/20W 0201	Pcs	1
R103	RES SMD 3.9 K 5% 1/20W 0201	Pcs	1
R702 R705 R502 R305 R406	RES SMD 4.7 K 5% 1/20W 0201	Pcs	5
R104	RES SMD 33 K 5% 1/20W 0201	Pcs	1
R307 R403	RES SMD 47 K 5% 1/20W 0201	Pcs	2
R709 R309 R408	RES SMD 100 K 5% 1/20W 0201	Pcs	3
R201	RES SMD 220 K 5% 1/20W 0201	Pcs	1
R301	RES SMD 4.02 K 1% 1/20W 0201	Pcs	1
RKEY	RES SMD 1.1 K 1% 1/20W 0201	Pcs	1
RT301	RES NTC SMD 10 K 1% 0402 NCP15XH	Pcs	1
RT201	RES NTC SMD 22 K 3% 0201 NCP03XH	Pcs	1
C229 C230	COND CER SMD 1.0pF C0G 0201 +/-0.1pF 25V	Pcs	2
C232 C227 C231 C228	COND CER SMD 2.2pF C0G 0201 +/-0.1pF 25V	Pcs	4
C225 C226 C125	COND CER SMD 3.0pF C0G 0201 +/-0.1pF 25V	Pcs	3
C156 C155	COND CER SMD 5.6pF C0G 0201 +/-0.1pF 25V	Pcs	2
C407 C421 C406 C405 C410 C411 C404 C412 C414 C420 C217 C403 C409 C501 C502 C504 C507 C401 C701 C703 C704 C705 C706 C714 C408 C207 C204 C430 C433 C203 C436 C202 C210 C418 C417 C208 C415 C209 C416	COND CER SMD 100nF X5R 0201 10% 6.3V GRM	Pcs	39
C425	COND CER SMD 22 uF X5R 0603 20% 4V GRM	Pcs	1
C426 C424 C134 C135	COND CER SMD 10 uF X5R 0603 20% 10V GRM	Pcs	4
C216	COND CER SMD 4.7uF X5R 0402 20% 6.3V GRM	Pcs	1
C205	COND CER SMD 2.2uF X5R 0402 10% 6.3V GRM	Pcs	1
C215 C214	COND CER SMD 1 uF X5R 0402 10% 10V GRM	Pcs	2
C429 C431 C152 C153 C428 C710 C423 C709 C419	COND CER 220 nF X5R 0201 20% 10V C0603	Pcs	9
C143	COND CER SMD 3.3 uF X5R 0603 10% 10V GRM	Pcs	1
C141 C140	COND CER 2.2 uF X5R 0402 10% 10V GRM	Pcs	2
C427	COND CER 47 uF X5R 0805 20% 4V GRM	Pcs	1
C114	COND CER SMD 27 pF COG 0201 5% 25V	Pcs	1
C303 C712 C711 C707	COND CER SMD 33 pF COG 0201 5% 25V	Pcs	4
C222	COND CER SMD 4.7nF X7R 0201 10% 10V	Pcs	1
C221 C219	COND CER SMD 6.8nF X7R 0201 10% 10V	Pcs	2
C133 C138 C437 C438 C509 C439 C106 C506 C505 C116 C224	COND CER SMD 10 nF X7R 0201 10% 10V	Pcs	11
C702 C434	COND CER SMD 1 uF X5R 0402 10% 6.3V	Pcs	2
C218 C113 C402 C132 C435	COND CER SMD 100 nF X7R 0402 10% 16V	Pcs	5

Reference	Description	Um	Qty
C422 C413	COND CER SMD 18 pF COG 0201 +-5% 50V	Pcs	2
C131 C432 C139	COND CER SMD 220 nF X7R 0402 10% 16V	Pcs	3
C211	COND CER SMD 22 nF X5R 0201 10% 6.3V GRM	Pcs	1
C201	COND CER SMD 47 nF X5R 0201 10% 6.3V GRM	Pcs	1
C220	COND CER SMD 1 nF X7R 0201 10% 25V	Pcs	1
C119	COND CER 0.5 pF COG 0201 +-0.05p 50V GRM	Pcs	1
L401	INDUCT SMD 3.3 uH 30% 0806 LQM2MP_G0	Pcs	1
L402	INDUT SMD 3.3 uH 20% LQM2HP_G0 1008	Pcs	1
L107	INDUT SMD 1.0 uH 20% LQM2HP_G0 1008	Pcs	1
L112	PWR INDUCT SMD 85 nH 5% 0603 LQW18CN	Pcs	1
L114 L119	INDUT SMD 2.7 nH +/-0.1nH 0201 LQP03T_02	Pcs	2
L204 L202	INDUCT SMD 7.5 nH 3% 0201 LQP03T_02	Pcs	2
L117	INDUT SMD 1.0 nH +/-0.1nH 0201 LQP03T_02	Pcs	1
L104	RES SMD 0 OHM JUMPER 1/20W 0201	Pcs	1
L116	INDUT SMD 5.6 nH +/-3% 0201 LQP03T_02	Pcs	1
L103	INDUT SMD 8.2 nH +/-3% 0201 LQP03T_02	Pcs	1
L201 L203	INDUT SMD 15 nH +/-3% 0201 LQP03T_02	Pcs	2
U701	Stereo CODEC 2out 2in Dig Mic MAX9867EWW	Pcs	1
U104	PWR MNG. BOOST BUCK DCDC RF6561	Pcs	1
U703	LOW DROPOUT V.REG. TLV70718PDQNR DQN	Pcs	1
U501	IC MEM S72XS256RE0AHBH13 256Mb+256Mb	Pcs	1
U301	IC uP PMB9812V1.0 PG-VF2BGA-221-1	Pcs	1
U101	3G MULTIBAND MULTIMODE P.A. RF6261K	Pcs	1
U201	RF TRANSCEIVER PMB5712_A2	Pcs	1
U102	IC RF SP8T ANT SWITCH RF6361A	Pcs	1
FC203	SAW FILTER RX GSM 900/1800 B9811	Pcs	1
FC201	SAW DUPLEXER WCDMA-B8 B8072	Pcs	1
FC202	SAW DUPLEXER WCDMA-B1 B8558	Pcs	1
X401	XTAL 32.768 KHz 20ppm 12.5pF 9H03200019	Pcs	1
X201	XTAL 26 MHz 10ppm 8pF NX2520SD CS02386	Pcs	1
Q401	TRANS PNP BC857BL3 TSLP-3	Pcs	1
Q201	COMPLEMENT. P+N MOSFET NTZD3155C SOT-563	Pcs	1
SH601	METALLIC SHIELD UE910	Pcs	1
	<b>Tot</b>	<b>Pz</b>	<b>185</b>

Material 2000202466  
 Plant/Usage/Alt. 1100 / 1 / 01  
 Description BM+SR/AI/H3.2 53220-03 GS0004C-A  
 Base Qty (EA ) 1,00  
 Req'd Qty (EA ) 1,00

Lev	Item	Object ID	Object description	Quantity	Un	Quantity	Asm	Schema ref	Note	Grp	MPN	MANUFACTURER	MPP
1	0010	Not mounted		1,000	PC	1		Not mounted	REF. C6 Not mounted component				
1	0020	Not mounted		1,000	PC	1		Not mounted	REF. C3 Not mounted component				
1	0030	1FF01G0004C-ELM	PCB 6L 10.0*17.0*0.8mm BM+SR/V3.2	1,000	EA	1,00		PCB1	CP160330	02	3101.0004-03	ELMATICA	
1	0030	1FF01G0004C-WUS	PCB 6L 10.0*17.0*0.8mm BM+SR/V3.2	1,000	EA	0,00		PCB1	CP160330	02	ST0004.R03	WUS PRINTED CIRCUIT	
1	0040	1BB0100880MU	COND CER 15 pF C0G 0201 5% 25V GRM	1,000	EA	1,00		C14			GRM0335C1E150JA01D	MURATA	
1	0050	1BB0100877MU	COND CER 6.8 pF C0G 0201 +/-0.5p 25V GJM	1,000	EA	0,00		C18	CP170489	05	GJM0335C1E6R8DB01D	MURATA	
1	0050	1BB01T0314	COND CER SMD 6.8 pF C0G 0201 +/-0.5pF 25V	1,000	EA	1,00		C18	CP170489	05			TL01
1	0060	1BB0100882MU	COND CER 470 nF X5R 0201 20% 4V GRM	1,000	EA	1,00		C2			GRM033R60G474ME90D	MURATA	
1	0070	1BB0100878MU	COND CER 22 pF C0G 0201 5% 6.3V GJM	1,000	EA	0,00		C19	CP170489	06	GJM0335C0J220JB01D	MURATA	
1	0070	1BB01T0323	COND CER SMD 22 pF C0G 0201 5% 25V	1,000	EA	1,00		C19	CP170489	06			TL01
1	0080	1BB0100879MU	COND CER 33 pF C0G 0201 5% 6.3V GJM	2,000	EA	0,00		C9,C10	CP170489	04	GJM0335C0J330JB01D	MURATA	
1	0080	1BB01T0325	COND CER SMD 33 pF C0G 0201 5% 25V	2,000	EA	2,00		C9,C10	CP170489	04			TL01
1	0090	1BB01T0586	COND CER SMD 100 nF X5R 0201 20% 6.3V	6,000	EA	6,00		C8,C11,C16,C17,C20,C22	CP170208				TL01
1	0100	1BB0100602MU	COND CER 2.2 uF X5R 0402 10% 10V GRM	6,000	EA	6,00		C1,C7,C12,C13,C15,C21			GRM155R61A225K	MURATA	
1	0110	1DD0800217CSR	BlueCore CSR8811 A08 WLCSP-28	1,000	EA	1,00		D1			CSR8811A08-ICXR-R	CSR	
1	0120	1RR0100153JHN	ANTENNA CHIP 2.4 GHz 2450AT43B100	1,000	EA	1,00		ANT1			2450AT43B100E	JOHANSON TECHNOLOGY	
1	0130	1CC0100982MU	INDUCT S. 1.5 nH +/-0.1n 0201 LQP03TG_02	1,000	EA	1,00		N1			LQP03TG1N5B02D	MURATA	
1	0140	1CC0100983MU	INDUCT S. 1.8 nH +/-0.1n 0201 LQP03TG_02	1,000	EA	1,00		N2			LQP03TG1N8B02D	MURATA	
1	0150	1NN0100125NXP	TRANS NPN BC847BMB SOT883B	1,000	EA	1,00		V1			BC847BMB,315	NXP	
1	0160	1MM0100199PET	XTAL 26 MHz 9.5pF SMD03025/4	1,000	EA	1,00		Q2		01	SMD03025/4 26.000 MHZ Q9010257	PETERMANN TECHNIK (TJE CHINA)	
1	0160	1MM0100203SWR	XTAL 26 MHz 9.5pF XTL571200-S292-001	1,000	EA	0,00		Q2		01	XTL571200-S292-001	SIWARD	
1	0170	1MM0100200PET	XTAL 14.7456 MHz 22pF SMD03025/4CC	1,000	EA	0,00		Q1	CP170489, CP170529		SMD03025/4CC 14.7456 MHZ Q9020021	PETERMANN TECHNIK (TJE CHINA)	
1	0170	1MM0100239PET	XTAL 14.7456 MHz 22pF SMD03025/4	1,000	EA	0,00		Q1	CP170489, CP170529	03	Q9010864	PETERMANN TECHNIK (TJE CHINA)	
1	0170	1MM0100242TXC	XTAL 14.7456 MHz 22pF 3225 7M14770004	1,000	EA	1,00		Q1	CP170529	03	7M14770004	TXC CORP.	
1	0180	1AA01T0622	RES SMD 100 K 5% 1/20W 0201	2,000	EA	2,00		R2,R3					TL01
1	0190	1AA01T0646	RES SMD 1 M 5% 1/20W 0201	1,000	EA	1,00		R7					TL01
1	0200	1AA01T0638	RES SMD 470 K 5% 1/20W 0201	2,000	EA	2,00		R1,R5					TL01
1	0210	1AA01T0590	RES SMD 4.7 K 5% 1/20W 0201	2,000	EA	2,00		R4,R6					TL01
1	0220	1DD0300360STM	IC MEM I2C EEPROM 64 Kb M24C64-FCS6TP/K	1,000	EA	1,00		D3			M24C64-FCS6TP/K	ST-MICROELECTRONICS	
1	0230	1DD0400186STM	MCU 32bit + 384K Flash STM32F103RDY6	1,000	EA	1,00		D2			STM32F103RDY6TR	ST MICROELECTRONICS	
1	0240	1LL0300019WS	BAND PASS FILTER 2.4GHz RFBPF2012060AAT	1,000	EA	1,00		BF1			RFBPF2012060AAT	WALSIN	
1	0250	1GG3200287	METALLIC SHIELD BlueMod+S/SR	1,000	EA	1,00		SH1	CP160507				TL01

## BOM

### IC

	STM32F103RCT6	U1
	ADP150AUJZ-3.0-R7	U2, U4, U6, U9, U11, U12
	DS28E10	U3
	AS169-73	U5
	CC1125	U7
	MGA-631P8	U8
	SKY13472-460LF	U10
	ADM809RART-REEL	Q1
	XC6201P502PR	Q2

### Resistor

1K	RC0603FR-071K00	R1, R2, R3, R17, R18, R19, R20, R29, R42
10K	RC0603FR-0710K0	R4, R5, R8, R14
10R	RC0603FR-0710R0	R6, R9, R11, R15, R16
100K	RC0603FR-07100K	R12, R13
300R	RC0603FR-07300R	R22, R23, R24, R27, R28, R30, R31, R32
2.4K	RE0603BRE072K40	R26
56K	RC0603FR-0756K0	R33
3K	RC0603FR-073K00	R34, R35
18R	RC0603FR-0718R0	R37
5.1K	RE0603BRE075K10	R38
18K	RE0603BRE0718K0	R39
15K	RE0603BRE0715K0	R40
22K	RE0603BRE0722K0	R41
2.2K	RE0603BRE072K00	R10
51R	RE0603BRE0751R0	L26, R21, R36

### Capacitor

22pF	GQM1875C2E220GB12	C1, C2, C100
100nF	CC0603JKX5R9BB104	C3, C5, C6, C7, C8, C9, C12, C14, C17, C20, C22, C27, C28, C30, C32, C33, C37, C39, C41, C45, C51, C72, C79, C88, C107, C114, C115, C126
2.2uF	CC0603JKX5R9BB225	C4
1uF	CC0603JKX5R9BB105	C10, C36, C84, C109, C132
10uF	CC0603JKX5R9BB106	C13, C15, C16, C18, C21, C23, C26, C34, C40, C43, C44, C46, C47, C53, C54, C76, C77, C87, C106, C110, C112, C116
1nF	GRM1885C2A102JA01	C19, C29, C35, C52, C64, C80, C89, C113, C119, C133
100pF	100pF	C11, C24, C25, C38, C42, C48, C83, C86, C111, C135

100pF	GQM1882C1H101GB01	C61, C71, C81, C92, C94, C96, C127
10nF	CC0603JKX5R9BB103	C31, C73, C91, C108, C117,
62nF	CC0603JKX5R9BB623	C49, C57
22nF	CC0603JKX5R9BB223	C50
4.3pF	GQM1885C2A4R3BB01	C58
3.3pF	GQM1885C2A3R3BB01	C59, C128
20pF	GQM1875C2E200GB12	C62
5.6pF	GQM1885C2A5R6CB01	C63
2nF	CC0603JKX5R9BB202	C65
10pF	GQM1875C2E100GB12	C66, C97, C121
7.5pF	GQM1875C2E7R5CB12	C68, C99, C129, C130, C131
5.1pF	GQM1885C2A5R1CB01	C60, C70, C85, C122
220nF	CC0603JKX5R9BB224	C74
180pF	GRM1885C2A181JA01	C90, C93, C95
470pF	GRM1885C2A471JA01	C101
56pF	GRM1885C2A560JA01	C102
15pF	GQM1875C2E150GB12	C103
39pF	GQM1875C2E390GB12	C104
12pF	GQM1875C2E120GB12	C118
2.2pF	GQM1885C2A2R2BB01	C120
2pF	GQM1885C2A2R0BB01	C123
1.5pF	GQM1885C2A1R5BB01	C124
1pF	GQM1885C2A1R0BB01	C125
<b>Inductor</b>		
150nH	LQW18ANR15G00	L4, R25
27nH	LQW18AN27NG00	L5, L9, L10, L14
15nH	LQW18AN15NG00	L6, L24
22nH	LQW18AN22NG00	L8
56nH	LQW18AN56NG00	L13, L20
200nH	LQW18ANR20G00	L17
18nH	LQW18AN18NG00	L18, L25
2.2nH	LQW18AN2N2D00	L19, L22
8.2nH	LQW18AN8N2C00	L21
47nH	LQW18AN47NG00	L23
18nH	18nH	L27, L28, L29
9.1nH	9.1nH	L7, L11
30nH	30nH	L15, L16
<b>Diode</b>		
	MMSZ4688T1	D1, D4, D5
	MBR0540	D2, D3
<b>Transistor</b>		
<b>MOS Tube</b>		
	RD02LUS2	Q3
	RD01MUS2B	Q4
<b>Beads</b>		
	MLB-160808-0600PL	L2, L3, L12

	MLB-201209-0011PQ	C82
<b>Crystal</b>		
	DSX321G 8MHz , 20ppm	Y1
	DSB321SDM 40MHZ	Y2
	DSB321SDM 38.4MHZ	Y3
<b>Slot&amp;Connector</b>		
	MCX-KE-2	J2
	145046030630829+	CN2
	I-PEX	J1
	Shield box	
	Shield box	
	heat sink	

Item	Reference	Manufacturer	Description	Value	ROHS PN=Orderable PN	Mounted
1	U3	Atmel, Microchip, ST	24x16, industry standard 16kbit I2C 1.8-3.6V eeprom, -40..+85C			TRUE
2	A1	ACX	2.4 GHz chip antenna		AT3216-B2R7HAA_T/LF	TRUE
3	C14-15 C17-19		Generic Ceramic Chip Capacitor	470nF 6.3V X5R 30%		TRUE
4	C9 C12 C20		Generic Ceramic Chip Capacitor	10nF 10V X5R 20%		TRUE
5	C7		Generic Ceramic Chip Capacitor	1nF 25V X7R 20%		TRUE
6	C8		Generic Ceramic Chip Capacitor	15pF 25V C0G 5%		TRUE
7	C23		Generic Ceramic Chip Capacitor	18pF 25V C0G 5%		TRUE
8	C21		Generic Ceramic Chip Capacitor	2.2nF 25V X5R 20%		TRUE
9	C10 C13 C16		Generic Ceramic Chip Capacitor	2.2uF 6.3V X5R 30%		TRUE
10	C2 C3-6 C11 C22		Generic Ceramic Chip Capacitor	6.8pF 25V C0G 5%		TRUE
11	C1 C24		Generic Ceramic Chip Capacitor	6.8pF 25V C0G 5%		FALSE
12	U1	CSR	IEEE 802.11n Single-chip Radio, Modem and MAC for 2.4GHz		CSR6031A10-ICXJ-R	TRUE
13	L1		Generic Chip Coil	5.6nH +/-0.1nH		FALSE
14	L2		Generic Ceramic Chip Capacitor	0.5pF 25V C0G +/-0.1pF		FALSE
15	F1		Band Pass Filter, 2.45GHz		LFB212G45SG8A127	TRUE
16	R4		General Purpose Chip Resistor	330kohm 1%		TRUE
17	R2-3		General Purpose Chip Resistor	4.7kohm 5%		TRUE
18	R1		General Purpose Chip Resistor	47kohm 5%		FALSE
19	R5		General Purpose Chip Resistor	68kohm 1%		TRUE
20	U2	SiGe Semiconductor	WiFi front end, incl. PA, LNA & switch w. BT coexistence input			TRUE
21	J1		RECEPTACLE, SMT U.FL		U.FL-R-SMT(01)	TRUE
22	U5		WF111 WiFi ROM module footpads			FALSE
23	Y1	TEW	Crystal, TAS-2520B, 26.0000 Mhz, 9pF, 15/15/-40..+85C			TRUE