

P2202_V1.2-BOM-2013.05.15

P2202_V1.2-SMT-BOM

No.	Item	Model	Specification		Quantity	Place
1	Chip Resistor	RC0603JR-07 0RL	0Ω ±5%	0603	2	R61,PAD1-M1_pin6
2	Chip Resistor	RC0805JR-07 0RL	0Ω ±5%	0805	1	Q1(2_3)
3	Chip Resistor	RC0805FR-07 9R1L	9.1Ω±1%	0805	1	R58
4	Chip Resistor	RC0603FR-07 56RL	56Ω±1%	0603	1	R59
5	Chip Resistor	RC0603JR-07 100RL	100Ω±5%	0603	3	R40,R79,R85
6	Chip Resistor	RC0603JR-07 430RL	430Ω±5%	0603	1	R4
7	Chip Resistor	RC0603FR-07 1KL	1K±1%	0603	1	R23
8	Chip Resistor	RC0603JR-07 1KL	1K±5%	0603	6	R14,R64,R65,R67,R94,R107
9	Chip Resistor	RC0603FR-07 121RL	121Ω±1%/	0603	1	R27
10	Chip Resistor	RC0603JR-07 2K4L	2.4K±5%	0603	1	R82
11	Chip Resistor	RC0603FR-07 249RL	249Ω/±1%/	0603	1	R31
12	Chip Resistor	RC0603FR-07 3K6L	3.6K±1%	0603	1	R25
13	Chip Resistor	RC0603JR-07 4K7L	4.7KΩ±5%	0603	2	R15,R75
14	Chip Resistor	RC0603JR-07 5K1L	5.1K±5%	0603	4	R43,R53,R63,R98
15	Chip Resistor	RC0603JR-07 5K6L	5.6K±5%	0603	1	R49
16	Chip Resistor	RC0603FR-07 8K2L	8.2K±1%	0603	1	R60
17	Chip Resistor	RC0603JR-07 10KL	10KΩ±5%	0603	18	R1,R10,R11,R16,R41,R42, R54,R57,R71,R86,R87,R88,R89,R90,R91,R92,R105,R106
18	Chip Resistor	RC0603FR-07 10KL	10KΩ±1%	0603	4	R12,R13,R19,R35
19	Chip Resistor	RC0805JR-07 15KL	15KΩ±5%	0805	1	R36
20	Chip Resistor	RC0603FR-07 15KL	15KΩ±1%	0603	1	R32
21	Chip Resistor	RC0603FR-07 17K4L	17.4KΩ±1%	0603	1	R9
22	Chip Resistor	RC0603JR-07 27KL	27KΩ±5%	0603	3	R46,R47,R51
23	Chip Resistor	RC0603JR-07 33KL	33KΩ±5%	0603	3	R100,R102,R108
24	Chip Resistor	RC0805JR-07 33KL	33KΩ±5%	0805	1	R97
25	Chip Resistor	RC0603JR-07 36KL	36KΩ±5%	0603	1	R26
26	Chip Resistor	RC0603JR-07 47KL	47K±5%	0603	3	R29,R30,R55

27	Chip Resistor	RC0603FR-07 60K4L	60.4K±1%	0603	1	R22
28	Chip Resistor	RC0805JR-07 68KL	68K±5%	0805	1	R5
29	Chip Resistor	RC0603JR-07 100KL	100KΩ±5%	0603	24	R2,R3,R8,R20,R33,R34,R37, R38,R39,R44,R48,R52,R56,R74,R76,R77,R83,R84,R93 ,R95,R99,R101,R103,R104
30	Chip Resistor	RC0603FR-07 150KL	150KΩ±1%	0603	1	R28
31	Chip Resistor	RC0603FR-07 330KL	330KΩ±1%	0603	1	R24
32	Chip Resistor	RC0603FR-07 332KL	332KΩ±1%	0603	1	R7
33	Chip Resistor	RC0603JR-07 470KL	470KΩ±5%	0603	1	R16
34	Chip Resistor	RC0603FR-07 470KL	470K±1%	0603	1	R6
35	Chip Resistor	RC0603FR-07 1M	1M±1%	0603	2	R45,R50
36	Chip Resistor	RC0603JR-07 2M	2M±5%	0603	1	R17
37	Chip Capacitor	C0603JRNPO9BN100	100PF ±5% 50V	0603	3	C41,C44,C50
38	Chip Capacitor	C0603JRNPO8BN330	330PF ±5% 25V	0603	4	C39,C45,C49,C54
39	Chip Capacitor	C0603JRNPO9BN101	100PF ±5% 50V	0603	2	C46,C57
40	Chip Capacitor	C0603JRNPO9BN271	270PF ±5% 50V	0603	1	C5
41	Chip Capacitor	C0603KRX7R9BB332	3.3nF±10% 50V	0603	1	C10
42	Chip Capacitor	C0603X7R103K50V	0.010F ±20% 50V	0603	1	C43
43	Chip Capacitor	C0805MRX7R0BB103	0.01UF±20% 100V	0805	1	C2
44	Chip Capacitor	C0603KRX7R9BB104	0.1UF ±10% 50V	0603	21	C3,C4,C13,C14,C19,C20, C29,C30,C31,C32,C34,C37,C56,C58,C59,C61,C63,C66 C67,C68,C69
45	Chip Capacitor	C0603MRX7R8BB224	220nF ±20% 25V	0603	2	C52,C60
46	Chip Capacitor	C0603KRX5R8BB105	0.01F ±10% 25V	0603	6	C17,C22,C23,C25,C64,C65
47	Chip Capacitor	C0603KRX5R7BB225	220nF ±10% 10V	0603	1	C36
48	Chip Capacitor	C0603MRX7R6BB475	47nF ±20% 10V	0603	1	C6
49	Ceramic Capacitor	C0805KKX5R6BB106	10UF/10V ±10%	0805	3	C7,C16,C71
50	Tantalum electrolytic Capacitor	TAJA106K010RNJ	10UF/10V ±10%	A3216	4	C27,C33,C35,C55
51	Tantalum electrolytic Capacitor	TAJA226K010R	22UF/10V ±10%	A3216	6	C8,C9,C12,C24,C28,C42
52	Tantalum electrolytic Capacitor	TAJB476K010R	47UF/10V ±10%	B3528	1	C20
53	Tantalum electrolytic Capacitor	TAJD687M010R	680UF/10V ±20%	7343	1	C40
54	Zener diode	ZMM4.7HSB	4V7 ZMM4.7HSB (4.59-4.77)	1206	3	DW3,DW7,D20
55	Zener diode	ZMM5.6HSB	5V6 ZMM5.6HSB (5.46-5.7V)	1206	2	DW5,DW6

56	Zener diode	ZMM11HSB	11V ZMM11HSB(10.5-10.95) 1206	1	DW4
57	Zener diode	ZMM20HSC	20V ZMM20HSC(19.52- 20.45) 1206	1	DW1
58	Zener diode	ZMM33HSD	33V ZMM33HSD(31.49- 33.11) 1206	1	DW2
59	Diode	SS24	SS24 DO-214AC	6	D5,D6,D7,D9,D15,D17
60	Diode	SD103AWS-G	SD103AWS SOD-323	6	D16,D18,D21,D22,D23,D24
61	Diode	IN4148WS	IN4148WS SOD-323/Chip Diode	2	D2,D3
62	Diode	S2M	S2M SMB	1	D1
63	Diode	M7	M7 DO-214AC	3	D4,D8,D19
64	Chip Diode	BAT54A	BAT54A SOT-23	2	D10,D11
65	Chip Diode	LL4148	LL4148 1206	3	D12,D13,D14
66	Triode	MBT5551	MBT5551 SOT-23	9	N5,N6,N7,N9,N10,N11,N12, N13,N17
67	Triode	MBT5401	MBT5401 SOT-23	8	N2,N3,N4,N8,N14,N15,N19, N20
68	Triode	MJD122	MJD122 TO-252	1	N21
69	MOSFET	FQD12P10	FQD12P10 TO-252	1	N1
70	MOSFET	RPD15P05	RPD15P05 TO-252	1	Q2
71	Self-recovered safety	SMD1206P150TF	SMD1206P150TF 1206	1	F1
72	Self-recovered safety	SMD1206P075TF	SMD1206P075TF 1206	1	F2
73	Chip Inductor	GZ1608D601	GZ1608D601 0603	6	L3,L5,L7,L8,L9,L10
74	Chip Inductor	SPQ52100H1 Chip Inductor CN1210	10uH CN1210	1	L4
75	Power Inductor	SPQ-680k	SPQ-680k L120_120	1	L2
76	Chip Inductor	SDCL1608C27N	27nH SDCL1608C27N 0603	1	L6
77	Battery connector	1.25-2A	1.25 2pin	1	CNT1
78	IC	GM7230-ATA5R	GM7230-ATA5R TO-263S	1	U3
79	IC	ICM7555IBAZ	ICM7555IBAZ SO-8	1	U9
80	IC	RT9701	RT9701 SOT-23-5	1	U6
81	IC	CYT5026	CYT5026 SOT-23	1	U7
82	IC	X6209F332MR	X6209F332MR SOT-23	1	U8
83	IC	MC14584BD	MC14584BD SO-14	1	U12
84	IC	LM293D	LM293D/SOP8	1	U1

85	IC	CYT431A	CYT431A/SOT-23	1	U2
86	IC	AP1084D-ADJ-A	AP1084D-ADJ-A/TO-252	1	U4
87	IC	AAP6204A1	AAP6204A1/QFN-8	1	U10
88	IC	SP3232EEY	SP3232EEY/TSSOP16/RS232	1	U11
89	GSM Module	P1621	P1621	1	CON1
90	GPS Module	NEO-6M	NEO-6M	1	M1
91	PCB	P2202_V1.2PCB	P2202_V1.2PCB	1	

P2202_V1.2-DIP BOM					
92	Polyester capacitor	0.22 0.22UF±20% 100V&160V RAD0.2	0.22 0.22UF±20% 100V&160V RAD0.2	1	C70
93	Electrolytic Capacitor	22UF/100V +80% -20% 6.3×11mm	22UF/100V +80% -20% 6.3×11mm	1	C1
94	Electrolytic Capacitor	100UF/50V +80-20% 8×12mm	100UF/50V +80-20% 8×12mm	1	C11
95	Electrolytic Capacitor	1000UF/10V ±20% 8×12mm	1000UF/10V ±20% 8×12mm	1	C15
96	Self-recovered safety	JK60-025	JK60-025	1	F3
97	Over voltage protection diode	1.5KE39CA	1.5KE39CA DO37_1	1	DV1
98	LED	204-10SURD/S530-A3	φ3×5	1	
99	LED	204-10UYD/S530-A3	φ3×5	1	
100	Socket	Socket	Socket	1	LED1
101	SMA connector	SWA-KWE-11	90° SMA (SMA-KWE-11)	1	CZ1
102	YW2201-GSM patch cord	SMA-KY-0.9-3 Length:7.9CM	SMA-KY-0.9-3 Length:7.9CM	1	ANT1
103	PCBA	YW2201_SIMBOARD_V2.0 PCBA/2	YW2201_SIMBOARD_V2.0 PCBA/2	1	X1
104	YW2211 Cable 1		SAN-6P 2.8-6Y	1	CON2
105	YW2211 Cable 2		SAN-4P 2.8-4Y	1	CON3
106	YW2211 Cable 3		SAN-4P 2.8-2Y	1	CON4
P2202_V1.2-SIM BOM					
1	PCB	YW2201_SIMBOARD_V2.0	YW2201_SIMBOARD_V2.0	1	
2	SIM Socket	26	SIM 026	1	SIM1
3	Switch	MS-22C01	MS-22C01	1	CON1
4	Chip Capacitor	C0603MRX5R8BB105	105 1UF ±20% 25V 0603	1	C2
5	Chip Capacitor	C0603KRX7R8BB104	104 0.1UF ±10% 25V 0603	2	C1,C3
6	Chip Inductor	GZ1608D601	GZ1608D601 0603	1	R3
7	Chip Resistor	RC0603JR-07 110RL	110R ±5% 0603	2	R5,R7
8	Chip Resistor	RC0603JR-07 270RL	270R ±5% 0603	2	R6,R8
9	Chip Resistor	RC0603JR-07 0RL	0Ω±5% 0603	1	R4
10	Zener diode	ZMM4.3HSB (4.2-4.4V)	4.3V ZMM4.3HSB (4.2-4.4V) 1206	2	DW1,DW2
11	Thimble	LK-PG235554001	2PIN	1	CON3
P2202_SIMBOARD-DIP BOM					
1	Socket		1.25 4PIN	1	CON2