

Product Name: GSM Fixed Wirelss Terminal MainBoard(II, General Version,Quad-Band)

Product Code: 75120G20T6

Version: V2.00

BOM Code: 6966-G20II-V20--02

BOM Type: GSM Fixed Wirelss Terminal MainBoard(II, General Version, Quad-B

Date: 04/02/2012

1.IC

No.	Coding	Name	Spec	Encapsulati on	Position	PCB Mark	Quant ity	Technical Requirem ent	Manuf acturer	Re mar k	Ver sio n	Priority
1	1216GA8517	Switching Power Supply	GA8517	SO8	U1	SO8	1					A
2	1723IT4054	Battery Management IC	IT4054	SOT-23-5L	U10	SOT-23-5L	1					
3	1299000324	Quad Operational Amplifier	SMD LM324DR	SO-14	U3	SO-14	1					A
4	1017009370	DTMF Encoder	CS9370DGP	DIP18	U4	DIP18	1					A
5	199900340W	GSM Wireless Moduel	SIM340W(SST-32M)	SIM300W	U5	SIM300W	1					
6	19990MX801	SLIC	MX801-A		J7,J6		1					B

2.Resistance

No.	Coding	Name	Spec	Encapsulati on	Position	PCB Mark	Quant ity	Technical Requirem	Manuf acturer	Re mar	Ver sio	Priority
1	32000000J0	Chip Resistor	0R/5%	R0603	R40,R66,R72,R87,R124,R125	R0603	6					C
2	32000010J0	Chip Resistor	10R/5%	R0603	R10,R17	R0603	2					B

3	32000100J0	Chip Resistor	100R/5 %	R0603	R12,R54,R60	R0603	3					A
4	32000200J0	Chip Resistor	200R/5 %	R0603	R9	R0603	1					C
5	3200001KJ0	Chip Resistor	1K/5 %	R0603	R39	R0603	1					A
6	320001K2J0	Chip Resistor	1K2/5 %	R0603	R14,R16	R0603	2					B
7	320001K5J0	Chip Resistor	1K5/5 %	R0603	R36	R0603	1					
8	3200002KJ0	Chip Resistor	2K/5 %	R0603	R19,R98	R0603	2					A
9	320002K7J0	Chip Resistor	2K7/5 %	R0603	R58,R74,R82,R86,R100	R0603	5					B
10	320003K9J0	Chip Resistor	3K9/5 %	R0603	R4	R0603	1					A
11	320004K7J0	Chip Resistor	4K7/5 %	R0603	R7,R13,R20,R76,R77,R128	R0603	6					A
12	320005K1J0	Chip Resistor	5K1/5 %	R0603	R18	R0603	1					C
13	320005K6J0	Chip Resistor	5K6/5 %	R0603	R6	R0603	1					
14	320006K8J0	Chip Resistor	6K8/5 %	R0603	R56	R0603	1					D
15	320008K2J0	Chip Resistor	8K2/5 %	R0603	R24	R0603	1					D
16	3200010KJ0	Chip Resistor	10K/5 %	R0603	R11,R23,R27,R30,R32,R38,R47,R51,R53,R89,R90	R0603	10					A
17	3200015KJ0	Chip Resistor	15K/5 %	R0603	R45	R0603	1					B
18	3200020KJ0	Chip Resistor	20K/5 %	R0603	R5,R8,R37,R42,R62,R71,R81,R84,R103	R0603	9					A
19	3200033KF0	Chip Resistor	33K/1 %	R0603	R26	R0603	1					D
20	3200047KJ0	Chip Resistor	47K/5 %	R0603	R46,R68,R79,R80,R83,R85,R95	R0603	7					A
21	3200068KJ0	Chip Resistor	68K/5 %	R0603	R33,R43	R0603	2					D
22	3200082KF0	Chip Resistor	82K/1 %	R0603	R15	R0603	1					D
23	3200100KJ0	Chip Resistor	100K/5 %	R0603	R3,R31,R34,R44,R65,R70,R73,R96,R122,R120,R25	R0603	11					A
24	3200160KJ0	Chip Resistor	160K/5 %	R0603	R55	R0603	1					
25	3200200KJ0	Chip Resistor	200K/5 %	R0603	R67,R97	R0603	2					A
26	3200300KJ0	Chip Resistor	300K/5 %	R0603	R52	R0603	1					D

27	30120010J0	Plug-in resistor	10R/5%/1/2W	AXIAL0.4	R1,R2	AXIAL0.4	2						D
28	3012027KJ0	Plug-in resistor	27K/5%/1/2W	AXIAL0.4	R28	AXIAL0.4	1						

3.Capacitor

No.	Coding	Name	Spec	Encapsulation	Position	PCB Mark	Quantity	Technical Requirem	Manufacturer	Remark	Version	Priority
1	2219010EJO	NPO Chip Capacitor	10P/50V/+5%	C0603	C24,C29,C37	C0603	3					A
2	2219030EJO	NPO Chip Capacitor	30P/50V/+5%	C0603	C18,C20,C22,C30,C34,C53,C56,C57	C0603	8					D
3	2219033EJO	NPO Chip Capacitor	33P/50V/+5%	C0603	C17,C47,C48,C55	C0603	4					A
4	2219047EJO	NPO Chip Capacitor	47P/50V/+5%	C0603	C39	C0603	1					D
5	2219101EJO	NPO Chip Capacitor	101/50V/+5%	C0603	C26	C0603	1					A
6	222101NEK0	X7R Chip Capacitor	102/50V/+10%	C0603	C5,C8,C11	C0603	3					A
7	2221223EJO	X7R Chip Capacitor	223/50V/+10%	C0603	C19,C27	C0603	2					
8	2221104EKO	X7R Chip Capacitor	104/50V/+10%	C0603	C3,C7,C9,C10,C13,C15,C16,C23,C28,C31,C35,C38,C41,C46,C54	C0603	15					A
9	2221105CK0	X7R Chip Capacitor	105/25V/+10%	C0603	C2,C52,C58	C0603	3					D
10	2011047EM1	Electrolytic Capacitor	47U/50V/+20% /105℃6.3*11	RB.25/.50	C43	RB.25/.50	1					C

11	2011100BM1	Electrolytic Capacitor	100U/16V/+20% /105℃5*11	RB.25/.50	C60,C49	RB.25/.50	2						A
12	2011220BM1	Electrolytic Capacitor	220U/16V/+20% /105℃6.3*11	RB.35/.80	C36	RB.35/.80	1						A
13	2011470BM1	Electrolytic Capacitor	470U/16V/+20% /105℃8*12	RB.35/.80	C12,C4	RB.35/.80	2						A
14	20112K2AM1	Electrolytic Capacitor	2200U/10V/+20% /105℃10*20	RB.50/10	C1,C51	RB.50/10	2						A

4.Inductor

No.	Coding	Name	Spec	Encapsulation	Position	PCB Mark	Quantity	Technical Requirement	Manufacturer	Remark	Version	Priority
1	407010471A	H-shaped Inductor	47UH/1A	L.2/.4	L3	L.2/.4	1					B

5.Voltage Regulator,Transistor, Diode, Triode, Light Protection Tube

No.	Coding	Name	Spec	Encapsulation	Position	PCB Mark	Quantity	Technical Requirement	Manufacturer	Remark	Version	Priority
1	4120340B14	SMD Diode	B340B	DO-214	D3,D8	DO-214	2					D
2	4120MB7514	SMD Diode	SMBJ75A	DO-214	Z1	DO-214	1					D
3	4120400414	SMD Diode	1N4004	DO-214	D2,D7,D10	DO-214	3					B
4	4120414834	SMD Diode	1N4148	LL-34	D4,D5,D14,D16,D21	LL-34	5					A

5	412103V334	Chip Voltage Regulator	3.3V	LL-34	D31	LL-34	1						B
6	412105V134	Chip Voltage Regulator	5.1V 1/2W	LL-34	D9	LL-34	1						A
7	4130640223	SMD Field Effect Transistor	IRLML6402	SOT23	Q6,Q7,Q18,Q19	SOT23	4						B
8	4130855023	Chip Triode	BT8550	SOT23	Q5	SOT23	1						A
9	4130901423	Chip Triode	9014	SOT23-EBC	Q1,Q2,Q8,Q12,Q13,Q14,Q15,Q16,Q17,Q20,Q21,Q63	SOT23-EBC	12						A
10	41200MB6S	Patch Bridge	MB6S	MB6S	D1	MB6S	1						B
11	4024P618CA	Plug-in Light-Protection Tube	P6KE18CA	DO-41	D13	DO-41	1						D
12	4022003000	Red Luminotron (no rim)	φ3	LED1	D6,D11,D15,D17,D18	LED1	5						B
13	4022003200	Green Luminotron (no rim)	φ3	LED1	D12,D20	LED1	2						B
14	40803M57MS	Plug-in Crystal Oscillator	3.579545M 20PPM	HC-49S	X1	HC-49S	1						B

6.Others

No.	Coding	Name	Spec	Encapsulation	Position	PCB Mark	Quantity	Technical Requirement	Manufacturer	Remark	Version	Priority
1	611303CH5B	3P socket	CH5B-3P socket	SIP-3-100	J3	SIP-3-100	1					E
2	6199USBT05	T Type 5pin mini USB socket	USB-5FCMSXXXB	MINI-USB	J8	MINI-USB	1					C
3	6199DCZ001	Computer Mainboard Cell socket		BAT-SOT	BT2	BAT-SOT	1					B
4	4954031502	Button Cell	CR2032				1					A
5	69990000DC	DC Power Socket	5.5*2.1	K	J5	CK	1					B

6	69126P6CSL	dual crystal plug	dual 6P6C(grid electroplating copper pin,3U)	RJ11-6P6C	J1,J2	RJ11- 6P6C	1						D
7	609906P00T	SIM Card socket	6P(iron cover)	SAM- CARD6	J11	SAM- CARD6	1						D
8	6912022D06	Toggle Switch	SK-22D06-G7	2MM	S1	2MM	1						D
9	5241G20T20	PCB	G20(II)-V2.0	112.5*112* 1.6mm			1						
10	5960SMAK01	SMAConnector Wire	SMA-K Connector, 60MM, included lead、Hex nuts、 spacer				1						C
11	5943300133	LED spacer	4.0D*3H(2.5MM, open)		D6,D11,D15,D17,D18, D12,		6						

7.Non-Machining

No.	Coding	Name	Spec	Encapsulati on	Position	PCB Mark	Quant ity	Technical Requirem	Manuf acturer	Re mar	Ver sio	Priority
1			0R**	R0603	R123,R88	R0603	2					
2			4K7**	R0603	R22	R0603	1					
3			5K6**	R0603	R78	R0603	1					
4			10R**	R0603	R59	R0603	1					
5			10uF/16V**	RB.25/.50	C6	RB.25/.50	1					
6			10uF/63V**	RB.25/.50	C14	RB.25/.50	1					
7			47P**	C0603	C25	C0603	1					
8			100uF/63V**	RB.50/10	C32	RB.50/10	1					

9			104/50V (ceramics) **	RAD0.2	C21	RAD0.2	1					
10			104/250V**	RAD0.3	C44	RAD0.3	1					
11			2200U/10V**	RB.50/10	C50	RB.50/10	1					
12			2200uF/10V**	RB.50/10	C40	RB.50/10	1					
13			COM**	SIP-3-100	J9	SIP-3-100	1					
14			CON6**	SIP6	J101	SIP6	1					
15			CON7**	SIP7	J6,J7	SIP7	2					
16			SESD5Z5V**	SOD-523	D36,D32,D38	SOD-523	3					
17			SLIC_0832**	SLIC_0832	U2	2	1					

Accessories

No.	Coding	Name	Spec	Encapsulati on	Position	PCB Mark	Quant ity	Technical Requirem	Remar k	Ver sion	Pri orit	
1	6310022201	6P2C Cable 1M (Dual 6P6C Crystal Plug)	grid electroplating copper pin, 6U	6P2C			1				C	
2	4953371200	Lithium Battery	3.7V/1200MAHEng lish Tag Label (50*34*13mm)				1				D	
3	59608T2143	GSM Antenna	RG174-3M-SMA- 8T19-4Bands				1				D	
7	495000980H	American Type Power Adapter 800MA9V					1		Custo mized		D	