

Circuit Meterial Of MainBoard			Solar_MB_V20_BOM		
Item NO	Part Spec and description Detail	MFG P/N	Qty /set	Logic Reference	MFG
CAP					
1	Cap 1pF,0402,C0G,50V,±0.25pF	CC0402CRNPO9BN1R0	1	C404	YAGEO
2	Cap 2.7pF,0402,C0G,50V,±0.25pF	CC0402CRNPO9BN2R7	1	C415	YAGEO
3	Cap 5.6pF,0402,C0G,50V,±0.25pF	CC0402CRNPO9BN5R6	3	C132, C133, C134	YAGEO
4	Cap 6pF,0402,C0G,50V,±0.25pF	CC0402CRNPO9BN6R0	1	C112	YAGEO
5	Cap 8.2pF,0402,C0G,50V,±0.25pF	CC0402CRNPO9BN8R2	2	C126, C127	YAGEO
6	Cap 10pF,0402,C0G,50V,±0.25pF	CC0402JRNPO9BN100	1	C405	YAGEO
7	Cap 18pF,0402,C0G,50V,±5%	CC0402JRNPO9BN180	4	C135, C139, C304, C305	YAGEO
8	Cap 22pF,0402,C0G,50V,±5%	CC0402JRNPO9BN220	6	C106, C107, C108, C109 , C116, C121	YAGEO
9	Cap 24pF,0402,C0G,50V,±5%	CC0402JRNPO9BN240	1	C414	YAGEO
10	Cap 33pF,0402,C0G,50V,±5%	CC0402JRNPO9BN330	10	C503, C505, C510, C511, C516, C517, C518, C520, C526, C528	YAGEO
11	Cap 47pF,0402,C0G,50V,±5%	CC0402JRNPO9BN470	1	C105	YAGEO
12	Cap 100pF,0402,C0G,50V,±5%	CC0402JRNPO9BN101	8	C111, C114, C115, C504, C509, C515, C519, C416	YAGEO
13	Cap 1nF,0402,X7R,50V,±10%	CC0402KRX7R9BB102	3	C113, C138, C408	YAGEO
14	Cap 100nF,0402,X5R,10V,±10%	CC0402KRX5R6BB104	8	C501, C502, C512, C513, C604, C407, C409, C711	YAGEO
15	Cap 1uF,0402,X5R,6.3V,±10%	CC0402KRX5R5BB105	25	C136, C137, C202, C302, C303, C306, C310, C311, C312, C313, C315, C323, C701, C705, C709, C710, C320, C309, C411, C412, C413, C601, C602, C603, C605	YAGEO

16	Cap 1uF,0603,X5R,6.3V,±10%	CC0603KRX5R5BB105	2	C316, C318	YAGEO
17	Cap 4.7uF,0603,X5R,6.3V,±10%	CC0603KRX5R5BB475	10	C307, C308, C314, C319, C321, C421, C201, C301, C406, C410	YAGEO
18	Cap 10uF,0805,X5R,6.3V,±10%	CC0805KRX5R5BB106	6	C507, C508, C317, C506, C514, C110	YAGEO
RES					
1	Res 0R,0402,±5%	RC0402JR-070RL	19	C104, B201, B401, B601, L101, R105, R107, R108, R301, R302, R303, R516, R517, R604, R707, R106, R407, R405, R406	YAGEO
2	Res 5.1R,0402,±5%	RC0402JR-075R1L	2	R704, R705	YAGEO
3	Res 10R,0402,±5%	RC0402JR-0710RL	8	R709, R710, R711, R712, R713, R714, R715, R716	YAGEO
4	Res 100R,0402,±5%	RC0402JR-07100RL	2	R504, R505	YAGEO
5	Res 1K,0402,±5%	RC0402JR-071KL	12	R103, R109, R110, R111, R305, R307, R501, R503, R506, R507, R510, R706	YAGEO
5	Res 1.5K,0402,±5%	RC0402JR-071K5L	4	R502 R508, R509, R717	YAGEO
6	Res 7.5K,0402,±5%	RC0402JR-077K5L	1	R312	YAGEO
7	Res 10K,0402,±5%	RC0402JR-0710KL	3	R401, R402, R102	YAGEO
8	Res 24K,0402,±5%	RC0402JR-0724KL	1	R104	YAGEO
9	Res 39K,0402,±1%	RC0402FR-0739KL	1	R311	YAGEO
10	Res 47K,0402,±5%	RC0402JR-0747KL	3	R701, R702, R703	YAGEO
11	Res 100K,0402,±5%	RC0402JR-07100KL	7	R201, R204, R205, R601, R602, R603, R708	YAGEO
12	Res 330K,0402,±1%	RC0402FR-07330KL	1	R310	YAGEO
13	Res 0R,0603,±5%	RC0603JR-070RL	1	R316	YAGEO
14	Res 0.20R,0805,±1%,1/4W	RL0805FR-7W0R2L	1	R315	YAGEO

Ind					
1	Inductor 1.2nH,0402,±0.3nH,300mA	LOG15HS1N2S02D SDCL1005C1N2STDF	1	L107	Murata
2	Inductor 1.5nH,0402,±0.3nH,300mA	LOG15HS1N5S02D SDCL1005C1N5STDF	1	L104	Murata
3	Inductor 1.8nH,0402,±0.3nH,300mA	LOG15HS1N8S02D SDCL1005C1N8STDF	1	C103	Murata
4	Inductor 2.4nH,0402,±0.3nH,300mA	LOG15HS2N4S02D SDCL1005C2N4STDF	1	L403	Murata
5	Inductor 3nH,0402,±0.3nH,300mA	LOG15HS3N0S02D SDCL1005C3N0STDF	1	L402	Murata
6	Inductor 4.7nH,0402,±0.3nH,300mA	LOG15HS4N7S02D SDCL1005C4N7STDF	1	L109	Murata
7	Inductor 22nH,0402,±5%,,300mA	LOG15HS22NJ02D SDCL1005C22NJTDF	1	L115	Murata
8	Inductor 100nH,0402,±5%,150mA	LOG15HSR10J02D SDCL1005CR10JNTDF	1	L401	Murata
Other					
1	Baseband Processor	MT6252	1	U201	MTK
2	Serial Flash (64M,1.8V,8-WSON,5.0×6.0×0.8mm)	GD25LQ64BWIG	1	U202	GD
3	Crystal for MT6252 (26 MHz)	7M26000028	1	X101	TXC
4	Crystal for BB (32kHz, 12.5pF)	SSP-T7-F MC146	1	X301	SII Epson
5	TX Model (Quad band,6.0×6.0×1.1mm)	RDA6232	1	U101	RDA
7	RX SAW for GSM850(14×11)	SAFEA881MFL0F00	1	F103	Murata
8	RX SAW for DCS1900(14×11)	SAFEA1G96FA0F00	1	F101	Murata
9	BT+FM module(6.0×6.0mm,QFN-40)	RDA5876	1	U401	RDA
10	PNP Power Transistor(SOT23-6L,3A)	STT818B PT236T30E2	1	U301	ST Prisemi

11	Field-Effect Transistor(N-ch)	SSM3K35MFV PNM723T703E0-2	1	Q301	Toshiba Prisemi
12	Analog Dual Switch	PI5A3158ZAEX UM3258	1	U701	Pericom Union
13	Transistor	DTC114EET1 DTC114EET1G SEC114EE DTC114EETL	1	Q701	ON ON SINO-IC ROHM
14	White LED (0603)0.4H	GT197 LTW-C193SN5	8	D701, D702, D703, D704, D705, D706, D707, D708	Everlight LITEON
15	Zener Diode (5.1V,500mW,EMD2,0603,0.6H)	PZ5D4V2H	1	D301	Prisemi
16	Battery Con(3.5mmH)	BT16-03AB05-00	1	J301	TOPCON
17	T-flash Socket	TF01-08AB05-01	1	J701	TOPCON
18	SIM Socket	SM22-06AB05-00	2	J702, J703	TOPCON
19	USB Con(5Pin)	MU05-05AB05-03	1	J705	TOPCON
20	RF Con	MM8430-2610RB3 KMC-1001-F007-7F C90-101-0004 MM8430-2610RA1	1	J101	Murata FOXCONN Speed-tech Murata
21	Bead 75R(100MHz),270R(1GHz), 0402,300mA,0.55ohm	BLM15BB750SN1	4	B501, B502, B503, B504	Murata
22	Bead 600R(100MHz),1K(1GHz), 0402,300mA,0.7ohm	BLM15HG601SN1	2	B505, B506	Murata
23	Bead 600R(100MHz),700R(1GHz), 0603,500mA,0.35ohm	BLM18EG601SN1	1	B701	Murata
24	Shielding Case (RF)		1		MHD
25	Shielding Case (BB)		1		MHD
26	MAIN PCB	Solar MB V20	1		