

LM121B P2.0 V1.0 BOM

Item	Reference	Qty	Description	Value	Part Name	Manufacturer
1	PCB	1		LM121B V2.0		
2	B0204 B0205 B0206 B0403 B0510 B0513	6	Chip Ferrite Beads 0603, 600 $\Omega \pm 25\%$	HPZ1608D601-R50T	HPZ1608D601-R50T	Sunlord
3	B0401 B0402 B0501 B0509 B0701	5	Chip Resistor, 0603-1/8W-0 Ω -J	0 $\pm 5\%$	0 $\pm 5\%$	Rohm/Yageo
4	B0207 B0208 B0502 B0503 B0504 B0505 B0506 B0511 B0512 B0533 B0534 B0702 B0703 B0704 B0705 B0706 B0707 B0708 L0101 L0102 L0103 L0106 L0107 L0115 R0206 R0406	26	Chip Resistor, 0402-1/16W-0 Ω -J	0 $\pm 5\%$	0 $\pm 5\%$	Rohm/Yageo
5	C0123 C0124 C0156 C0157	4	Capacitor, Ceramic, 0402-50V-C0G-1R5-C	1.5pF ± 0.25 pf	1.5pF ± 0.25 pf	TDK/Kyocera
6	C0103	1	Chip Inductor 0402, 1.8nH-S	1.8nH ± 0.3 nH	SDCL1005C1N8ST	Sunlord
7	C0110 C0205 C0206 C0301 C0403 C0405 C0406 C0407 C0408 C0503 C0504 C0507 C0508 C0703 C0707 C0727	16	Capacitor, Ceramic, 0402-10V-X5R-104-K	100nF $\pm 10\%$	100nF $\pm 10\%$	TDK/Kyocera
8	C0505 C0522	2	Capacitor, Ceramic, 0402-50V-C0G-101-J	100pF $\pm 5\%$	100pF $\pm 5\%$	TDK/Kyocera
9	C0517 C0518 C0529 C0532	4	Capacitor, Ceramic, 0402-50V-C0G-120-J	12pF $\pm 5\%$	12pF $\pm 5\%$	TDK/Kyocera
10	C0208 C0537 C0538	3	Capacitor, Ceramic, 0402-50V-X7R-102-K	1nF $\pm 10\%$	1nF $\pm 10\%$	TDK/Kyocera
11	C0203 C0204 C0207 C0211 C0401 C0409 C0410 C0411 C0412 C0416 C0420 C0421 C0422 C0423 C0424 C0425 C0426 C0427 C0428 C0429 C0706	21	Capacitor, Ceramic, 0402-10V-X5R-105-K	1uF $\pm 10\%$	1uF $\pm 10\%$	TDK/Kyocera
12	C0102 L0120 L0117	3	Chip Inductor 0402, 2.2nH-S	SDCL1005C2N2ST	SDCL1005C2N2ST	Sunlord
13	C0115	1	Capacitor, Ceramic, 0402-50V-C0G-221-J	220pF $\pm 5\%$	220pF $\pm 5\%$	TDK/Kyocera
14	C0106 C0108 C0111 C0112 C0125 C0126 C0127 C0128 C0413 C0414 C0702 C0721 C0728	13	Capacitor, Ceramic, 0402-50V-C0G-220-J	22pF $\pm 5\%$	22pF $\pm 5\%$	TDK/Kyocera
15	C0506 C0509 C0511 C0519 C0520 C0521 C0523 C0524 C0525 C0527	10	Capacitor, Ceramic, 0402-50V-C0G-330-J	33pF $\pm 5\%$	33pF $\pm 5\%$	TDK/Kyocera
16	C0729	1	Capacitor, Ceramic, 0402-50V-C0G-470-J	47pF $\pm 5\%$	47pF $\pm 5\%$	TDK/Kyocera
17	C0210	1	Capacitor, Ceramic, 0402-50V-C0G-5R6-D	5.6pF ± 0.5 pF	5.6pF ± 0.5 pF	TDK/Kyocera
18	C0701	1	Capacitor, Ceramic, 0603-6.3V-X5R-225-K	2.2uF $\pm 10\%$	2.2uF $\pm 10\%$	TDK/Kyocera

19	C0402 C0415 C0417 C0418 C0419 C0704	6	Capacitor, Ceramic, 0603-6.3V-X5R-475-M	4.7uF±20%	4.7uF±20%	TDK/Kyocera
20	C0132 C0512 C0513 C0526	4	Capacitor, Ceramic, 0805-6.3V-X5R-106-M	10uF±20%	10uF±20%	TDK/Kyocera
21	C0431	1	Poscap Capacitor, 3528	47uF±20%	F920J476MBA/TEESVB3 0J476M8R	nichicon/NE C
22	CN0701	1	6PIN SIM Card Connector	CAF99-06193-1504 (F)	CAF99-06193-1504 (F)	LCN
23	CN0704	1	电池连接器	PAN25-03620-1500	PAN25-03620-1500	LCN
24	CN0706	1	MICRO USB 5PIN SMT	UAF95-05254-1500-B	UAF95-05254-1500-B	LCN
25	CRYS0401	1	32.768KHz±20ppm	32.768KHz	MS2V-T1S 32.768kHz 12.5pF +-20ppm/SSP- T7 12.5pF +-20PPM	Micro Device/精工
26	D0301 D0306 D0302 D0303 D0304 D0305	6	White LED	AOT-0603W331A-N0-X-3	AOT-0603W331A-N0-X- 3	AOT
27	D0401	1	稳压二极管	MM3Z5V1ST1G/UDZST E175.1B	MM3Z5V1ST1G/U DZSTE175.1B	ON- SEMI/ROHM
28	F0102	1	1411 RX SAW , 1805.2~1864.8MHz	EFCH1842TDA1	EFCH1842TDA1/FAR- F6KB-1G8425- B4GA/SAFEA1G84FA0F0 OR14	Panasonic/F ujitsu/muRa ta
29	F0103	1	1411 RX SAW , 1930~1990MHz	EFCH1960TDA1/FAR-F6KB- 1G9600- B4GB/SAFEA1G96FA0F00	EFCH1960TDA1/FAR- F6KB-1G9600- B4GB/SAFEA1G96FA0F0 0	Panasonic/F ujitsu/muRa ta
30	F0104	1	1411 RX SAW , 869~894MHz	EFCH881MTDA1/FAR-F5KB- 881M50- B4EA/SAFE881MFLOF00	EFCH881MTDA1/FAR- F5KB-881M50- B4EA/SAFE881MFLOF00	Panasonic/F ujitsu/muRa ta
31	F0101	1	1411 RX SAW , 925~960MHz	EFCH942MTDA1	EFCH942MTDA1/FAR- F5KB-942M50- B4EB/SAFEA942MFLOF0 OR14	Panasonic/F ujitsu/muRa ta
32	L0401	1	Chip Ferrite Inductor, 2.2uH, L0805/2016	2.2uH±20%	LQH2MCN2R2M02L	MURATA
33	L0402	1	Chip Ferrite Inductor, 4.7uH, L0805/2016	4.7uH±20%	LQH2MCN4R7M02L	MURATA
34	L0109	1	Chip Inductor 0402, 100nH-J	100nH±5%	SDCL1005CR10JT	Sunlord
35	L0116 L0118	2	Chip Inductor 0402, 18nH-J	18nH±5%	SDCL1005C18NJT	Sunlord
36	L0105 L0110	2	Chip Inductor 0402, 4.7nH-S	4.7nH±0.3nH	SDCL1005C4N7ST	Sunlord
37	L0701	1	Chip Ferrite Inductor 2016, 2.2uH±10%	SLC2016F2R2MT(f)	SLC2016F2R2MT(f)	Sunlord
38	Q0701	1	NPN epitaxial planar silicon 50V-100MA	DTC123JUA	DTC123JUA	Rohm
39	R0502 R0504 R0513	3	Chip Resistor, 0402-1/16W-1.5KΩ-J	1.5K±5%	1.5K±5%	Rohm/Yageo
40	R0203	1	Chip Resistor, 0402-1/16W-100KΩ-J	100K±5%	100K±5%	Rohm/Yageo

41	R0102 R0202	2	Chip Resistor, 0402-1/16W-10K Ω -J	10K \pm 5%	10K \pm 5%	Rohm/Yageo
42	R0103	1	Chip Resistor, 0402-1/16W-15K Ω -J	15K \pm 5%	15K \pm 5%	Rohm/Yageo
43	R0101 R0403 R0405 R0501 R0503 R0506 R0507 R0516 R0706 R0714 R0720	11	Chip Resistor, 0402-1/16W-1K Ω -J	1K \pm 5%	1K \pm 5%	Rohm/Yageo
44	R0701	1	Chip Resistor, 0402-1/16W-24K Ω -J	24K \pm 5%	24K \pm 5%	Rohm/Yageo
45	R0710	1	Chip Resistor, 0402-1/16W-33K Ω -J	33K \pm 5%	33K \pm 5%	Rohm/Yageo
46	R0508 R0509	2	Chip Resistor, 0402-1/16W-470 Ω -J	470 \pm 5%	470 \pm 5%	Rohm/Yageo
47	R0709 R0722	2	Chip Resistor, 0402-1/16W-47K Ω -J	47K \pm 5%	47K \pm 5%	Rohm/Yageo
48	R0201 R0708	2	Chip Resistor, 0402-1/16W-5.1K Ω -F	5.1K \pm 1%	5.1K \pm 1%	Rohm/Yageo
49	R0204	1	Chip Resistor, 0402-1/16W-51 Ω -J	51 \pm 5%	51 \pm 5%	Rohm/Yageo
50	R0707 R0723	2	Chip Resistor, 0603-1/8W-33 Ω -J	33 \pm 5%	33 \pm 5%	Rohm/Yageo
51	R0404	1	Chip Resistor, 0805-1/4W-0.2 Ω -F	0.2 \pm 1%	0.2 \pm 1%	Rohm
52	R0301 R0302	2	Chip Resistor, 0805-1/4W-270 Ω -J	270 \pm 5%	270 \pm 5%	Rohm
53	U0102	1	RF Switch	AS179-92LF/TC-179/GW1179	AS179-92LF/TC-179/GW1179	skyworks/CCS/QW
54	U0301	1	MCP Numonyx ULPC 113MHz ADMUX BGA56	PF38F3040M0Y3DE/K5N2833ATD-AQ12000, 128Mbit+32Mbit	PF38F3040M0Y3DE/K5N2833ATD-AQ12000, 128Mbit+32Mbit	Numonyx/三星
55	U0201	1	MT6253/AQFN260/P0.33/B0.27(11.5X11.5)	MT6253AN	MT6253AN	MTK
56	U0702	1	ANALOG SWITCHER	SGM7222YWQ10/TR	SGM7222YWQ10/TR	圣邦微
57	U0401	1	Charger Protection IC	APL3206QB	APL3206QB	ANPEC
58	U0101	1	FAM for QUARD-Band GSM/GPRS	Sky77552	Sky77552	Skyworks
59	U0202	1	Crystal:VCXO 26MHz, \pm 10ppm, 7.5pF;X'tal 3225	7M26000028/X1E000021043400	7M26000028/X1E000021043400	TXC/EPSON
BOM Ver: BT						
1	C0602 C0603 C0605	3	Capacitor, Ceramic,0402-10V-X5R-104-K	100nF \pm 10%	100nF \pm 10%	TDK/Kyocera
2	C0608	1	Capacitor, Ceramic,0402-50V-COG-150-J	15pF \pm 5%	15pF \pm 5%	TDK/Kyocera
3	C0609	1	Capacitor, Ceramic,0402-10V-X7R-102-K	1nF \pm 10%	1nF \pm 10%	TDK/Kyocera
4	C0601 C0607	2	Capacitor, Ceramic,0402-10V-X5R-105-K	1uF \pm 10%	1uF \pm 10%	TDK/Kyocera
5	C0606	1	Capacitor, Ceramic,0603-6.3V-X5R-225-K	2.2uF \pm 10%		TDK/Kyocera
6	R0601 R0603 R0604	3	Chip Resistor,0402-1/16W-0 Ω -J	0 \pm 5%	0 \pm 5%	Rohm/Yageo

7	U0602	1	2.4GHz Multi-Layered Dielectric Balance Filter for Bluetooth	LFB212G45BA1A220[贴片时注意方向]/RFBPB2012090AM1T61	LFB212G45BA1A220[贴片时注意方向]/RFBPB2012090AM1T61	muRata/walsin
8	U0601	1	IC, RFIC, BLUETOOTH RADIO PROCESSOR	MT6612N	MT6612N	MTK
9	R0602	1	Chip Resistor,0402-1/16W-15KΩ-J	15K±5%	15K±5%	Rohm/Yageo

BOM Ver: FM

Item	Reference	Qty	Description	Value	Part Name	Manufacturer
1	C0604	1	Capacitor, Ceramic,0402-10V-X5R-104-K	100nF±10%	100nF±10%	TDK/Kyocera
2	C0620	1	Capacitor, Ceramic,0402-10V-X5R-102-K	1nF±10%	1nF±10%	TDK/Kyocera
3	C0611 C0612	2	Capacitor, Ceramic,0402-10V-X5R-105-K	1uF±10%	1uF±10%	TDK/Kyocera
4	R0641 R0642	2	Chip Resistor,0402-1/16W-10KΩ-J	10K±5%	10K±5%	Rohm/Yageo
5	U0604	1	FM Tuner	RDA5802/RDA5802E	RDA5802/RDA5802E	

BOM Ver: Shielding

NO	Ref	Qty	Description	Value	Ordering Code	Manufacturer
1		1	ShieldingFrame of GB	LM121B_Shielding_F_GB_V2.0	LM121B_Shielding_F_GB_V2.0	
2		1	ShieldingCover of GB	LM121B_Shielding_C_GB_V2.0	LM121B_Shielding_C_GB_V2.0	