

Parts list / Bill of Material (BOM)

Ref.	Value	Description	Manufacturer	Manufacturer Part No
R6	100K	SMD Resist 0201 1% 50mW 25V E6 100K	Yageo	RC0201FR-07100KRL
C2 C4 C7 C9 C10 C12 C13 C14	100nF	SMD CAP X7S 0201 10V E6 100nF 10%	muRata	GRM033C71A104KE14D
R1 R2 R3 R5 R7 R8 R9 R10 R13	100R	SMD Resist 0201 1% 50mW 25V E3 100R	Yageo	RC0201FR-07100RL
R11 R12 R14	10K	SMD Resist 0201 1% 50mW 25V E5 10K	Yageo	RC0201FR-0710KRL
C6	10pF	SMD CAP C0G 0201 50V E2 10pF 5%	muRata	GRM0335C1H100JA01D
R4	1K	SMD Resist 0201 1% 50mW 25V E4 1K	Yageo	RC0201FR-071KRL
C3	1uF	SMT CAP X5R 0402 E7 10V 1uF 10%	muRata	GRM15
C1	22uF	SMD CAP X5R 0603 6.3V E8 22uF 20%	Samsung	CL10A226MQ8NRNE
X1	48MHz	SMD Crystal 2520 48MHz+-10ppm	HONG KONG CRYSTALS	HKC2520SX-48MHZ- 30844-R4V1
L1	BLM15HG102SN1	SMD FILTER 0402 1K 0.25A BLM15HG102SN1D	muRata	BLM15HG102SN1
L3	12nH	SMD Inductor 0402 12nH 5%	muRata	LQG15HN12NJ02D
L2	6.8uH	SMD Inductor 6u8H +- 20% 0805	TDK	MLZ2012M6R8WT000
SHIELD1	Shield	Shield for MSR- Module	Ningbo Hexin Electronics Co	92598632
T1	2450BM14G0011	SMD Filter Balun 2.45-2.5GHz	Johanson Technology	2450BM14G0011
U1	Micro MSR	SMD Micro Flash 2.4GHz CC2652R	Texas Instruments	CC2652R
PCB	V-0	Multilayer printed wiring boards	Suntak	STM-5
Alt. PCB	V-0	Multilayer printed wiring boards	Onpress	COP6