



## ATAVRRZ502 Radio Board - Bill of Materials



Designator	Description	Comment	Footprint	#Manufacturer	Manufacturer
A1	Stub antenna	Antenna for SMA	None	PSTG0-2400HS	Mobile Mark
B1	Balun	Balun_SMD	0805-6	WE_748421245	Wuerth
C1	Capacitor	22pF	0603H0.8		
C2	Capacitor	22pF	0603H0.8		
C3	Capacitor	1uF	0603H0.8		
C4	Capacitor	1uF	0603H0.8		
C5	Capacitor	1uF	0603H0.8		
C6	Capacitor	10pF/5%	0603H0.8		
C7	Capacitor	12pF/5%	0603H0.8		
C8	Capacitor	2.2pF	0603H0.8		
C9	Capacitor	100n	0603H0.8		
C10	Capacitor	100n	0603H0.8		
C11	Capacitor	1uF	0603H0.8		
D1	Zener Diode	BZG05C3V9	DO-214AC	BZG05C3V9	Vishay
F1	Thermal fuse	miniSMDC020	1812	miniSMDC020	Raychem
JP1	Jumper 2-pin	JP-2	JP_2x1	1001-121-002	CAB
L1	Magnetic-Core Inductor	220Ohm@100MHz	0603H0.8	74279263	Wuerth
Q1	CX-4025	16MHz		XWBBPL-F-16.000	
R1	Resistor	0	0603H0.4		
R2	Resistor	NC	0603H0.4		
R3	Resistor	680	0603H0.4		
S/N1		S/N	Serial number		
U1	ZigBee2.4GHzTransceiver	AT86RF230	MLF-32	AT86RF230	ATMEL
X1	SMA connector	SMA-Johnson-142-0711-821	SMA_edge_1.5	142-0711-821	Johnson
X2	Pin header 20-pin	HEADER-20X2	IDC_2x20	1007-121-40	CAB
X3	Shorts 2 contacts	Jumper 100mil		3300096	