

eZ430-RF2500T BOM

Part	Value	Tolerance	Package	Manufacturer	Remarks
Capacitors					
C1	100n	10%	0402		
C2	100n	10%	0402		
C41	100n	10%	0402		
C51	100n	10%	0402		
C81	27p	5%	0402		
C91	220p	10%	0402		
C101	27p	5%	0402		
C111	100n	10%	0402		
C121	100p	5%	0402		
C122	1p	5%	0402		
C123	0.47p	5%	0402		
C124	0.47p	5%	0402		
C125	100p	5%	0402		
C126	100p	5%	0402		
C131	100p	5%	0402		
C132	1p	5%	0402		
C141	100n	5%	0402		
C151	220p	10%	0402		
C181	220p	10%	0402		
Resistors					
R1	0	1%	0402		
R2	560R	1%	0402		Resistor for D2 (Green LED)
R5	47k	1%	0402		
R6	330R	1%	0402		Resistor for D1 (Red LED)
R171	56K	1%	0402		
Inductors					
L121	4n7		0603		
L2	1μ		0603		
L123	4n7		0603		
L131	4n7		0603		
ICs					
IC1	MSP430F2274IRHA		40-pin QFN (RHA)	TI	
IC2	CC2500		QLP20	TI	
Other					
D1	Red		0603		LED
D2	Green		0603		LED
Q2	CTA531-26.000-16-10/10/A		5 x 3,5	Compotek	HF-Quartz
ANT1	7488910245		9 x 2	Würth	Chip antenna
ST1	Mouser PN: 575-501201		1.27 pitch	Mill-Max	6-pin header
TS1	B3U-1000P	B3U-1000P	B3U-1000P	Omron	Button
Printed circuit board					
20 x 30 mm, 1mm thick chem. gold FR4					NOTE: Correct PCB is critical for proper RF performance.