

Designator	Quantity	Value/Description	MPN	DigiKey	Other	Total Price	Comments	
U1	1	5V regulator	LP2985-50DBVR	0.58		\$0.58		
B1,B2,B3,B4,B5,B6,B7, B8,B9,B10,B11,B12	12	0.1uF	CL21B104KCFNNE	0.051		\$0.61	0805 X5R or X7R >=50V <=20% ceramic	
C2,C3,C4,C5,C9	5	1uF	GRM219R61H105KA73D	0.19		\$0.95	0805 X5R or X7R >=25V <=20% ceramic	
C8	1	10uF	GRM21BR61E106KA73L	0.19		\$0.19	0805 X5R or X7R >=25V <=20% ceramic	
C1,C10,C11,C12,C13	5	22uF	GRM31CR61E226ME15L	0.48		\$2.40	1210 X5R or X7R >=25V <=20% ceramic	
J1,J2	2	0	RC0805JR-070RL	0.10		\$0.20		
R3,R9	2	10	ESR10EZPF10R0	0.16		\$0.32	Higher wattage may be not be needed, just to reduce total BOM lines	
R1,R8	2	270	RC0805FR-07270RL	0.10		\$0.20		
R11	1	10K	RC0805FR-0710KL	0.10		\$0.10		
R4,R10	2	1K	RC0805FR-071KL	0.10		\$0.20		
T1	1	BN43-202	BN43-202		0.50	\$0.50	Use >0.4 mm diameter wire	
Q1,Q2	2	RD15HVF1	RD15HVF1		3.20	\$6.40	Lowest price Mitsubishi RF device on www.aliexpress.com	
RV1,RV2	2	1K Trimmer	TC33X-2-102E	0.27		\$0.54		
CN1	1	Power Connector	OSTTC020162	0.46		\$0.46		
L1,L2	2	100nH	CE201210-R10J	0.10		\$0.20		
						\$13.85		
Misc Options								
T1	1	2:1 turns/voltage autotransformer	SRF1260A-4R7Y	1.25		\$1.25	Alternate for single ended PA, 2:1 turns ratio autotransformer	
T2	1	BN43-2402	BN43-2402		0.24	\$0.24	Alternate for single ended PA, wind as 1:1	
T2	1	1:1 Broadband	SRF0703-100M	0.80		\$0.80	Alternate for single ended PA	
D1,D2	2	Low pF TVS	SL15T1G	0.41		\$0.82		
RF1, RF2, RF3	3	SMA Jack	5-1814832-1	1.94		\$5.82		
Transistor Options								
TO-220		RD16HFF1, RD06HFF1					See prices on www.aliexpress.com, or google thepartsplace	
SOT89		AFT05MS003NT1 AFT05MS004NT1 PD85004					Use adapter board	
PLD-1.5W		AFT05MS006NT1 AFT09MS015NT1					Use adapter board	