

Bill of Materials

WhipKit1

WhipKit Amplified Antenna

Source Data From: WhipKit.SchDoc
 Project: WhipKit.PrjPCB
 Variant: None

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Quantity	Value	Voltage	Tc Type	Designator	Description	Mfg 1	Part Number 1	Vendor 1	Vendor 1 Part #
8	.1uF	50V	X7R	C1, C2, C3, C4, C5, C6, C7, C8	Ceramic Disc Capacitor .200" Pitch	Kemet	C322C104M5R5TA	Digi-Key	399-9796-ND
2	1M		1/4 Watt	R1, R2	1/4 W Resistor Thru hole pkg. Pitch = .400"	Yageo CFR Series	CFR-25JB-52-1M	Digi-Key	1.0MQBK-ND
1	1N4001	50V	-55°C ~ 175°C	D1	Diode DO-41 Pkg	Fairchild	1N4001	Digi-Key	1N4001FSTR-ND
1	2.2K		1/4 Watt	R5	1/4 W Resistor Thru hole pkg. Pitch = .400"	Yageo CFR Series	CFR-25JB-52-2K2	Digi-Key	2.2KQBK-ND
1	2N5109	20V	-65°C to +200°C	Q2	NPN Transistor TO-39 Pkg	Central Semi	2N5109	Digi-Key	2N5109CS-ND
1	10K	60V		VR1	Thru hole - Top ADJ - Single turn	Bourns	3362P-1-103LF	Digi-Key	3362P-103LF-ND
1	10K		1/4 Watt	R4	1/4 W Resistor Thru hole pkg. Pitch = .400"	Yageo CFR Series	CFR-25JB-52-10K	Digi-Key	10KQBK-ND
1	10uF	16V		C9	Cap Radial - Thru hole. Polarized. Pitch = .100 inch	Würth WCAP-ATG8 Type	860010372001	Digi-Key	732-8593-1-ND
1	12V PWR In		-40° - +85° C	P4	Header 2x1 Male .100 inch pitch	3M	961102-6404-AR	Digi-Key	3M9447-ND
1	22		1/4 Watt	R8	1/4 W Resistor Thru hole pkg. Pitch = .400"	Yageo CFR Series	CFR-25JB-52-22R	Digi-Key	22QBK-ND
1	47		1/4 Watt	R6	1/4 W Resistor Thru hole pkg. Pitch = .400"	Yageo CFR Series	CFR-25JB-52-47R	Digi-Key	47QBK-ND
1	47K		1/4 Watt	R9	1/4 W Resistor Thru hole pkg. Pitch = .400"	Yageo CFR Series	CFR-25JB-52-47K	Digi-Key	47KQTR-ND
1	220		1/4 Watt	R7	1/4 W Resistor Thru hole pkg. Pitch = .400"	Yageo CFR Series	CFR-25JB-52-220	Digi-Key	220QBK-ND
2	470uH		-55°C ~ 105°C	L1, L2	Axial Inductor .300" Pitch	Bourns	78F471J-RC	Digi-Key	M10142-ND
1	680		1/4 Watt	R3	1/4 W Resistor Thru hole pkg. Pitch = .400"	Yageo CFR Series	CFR-25JB-52-680	Digi-Key	680QBK-ND
1	J310 TO92	25V	-65°C to +125°C	Q1	N-Chan JFET TO-92 Pkg	InterFET	J310	Mouser	106-J310
1	MMBFJ310	25V	-65°C to +125°C	Q3	N-Chan JFET SOT23 Pkg	Fairchild	MMBFJ310	Digi-Key	MMBFJ310CT-ND
26	Total Parts Count								

Approved _____ Notes _____