

YellowJacket Pro Nichols Electronics, Inc.

Item	Qty.	Location	Description	Manufacturer	Man. Part No.	Notes
1	4	R1, R2, R3,R23	47.5K Ohm 0805 SMT resistor 1%	Panasonic	ERJ-6ENF4752V	
2	3	R5,R6, R22	4.75K Ohm 0805 SMT resistor 1%	Panasonic	ERJ-6ENF4751V	
3	7	R8, R9, R11, L7, R74, R70, R71 (R55*, R56*,)	0 Ohm 0805 SMT Resistor 5%	Panasonic	9C08052A0R00JLHFT	R55*, R56* DNP
4	4	R14,R15, R16, R17 (R18*)	100K Ohm 0805 SMT Resistor 5%	Panasonic	9C08052A1003JLHFT	R18*
5	1	R27A	RES 330 OHM 1/8W 5% 0805 SMD	Panasonic	9C08052A3300JLHFT	
6	6	R30, R7, R31, R76, R75, R54	RES 10K OHM 1/8W 5% 0805 SMD	Vishay/Dale	CRCW080510K0JNEA	
7	4	C1, C2, C3, C4, C20*	1.0 uF Cap. 0805 SMT	Panasonic	ECJ-2VF1C105Z	C20* DNP
8	1	C6	.1 uF Cap 0805 SMT	Panasonic	ECJ-2VF1C104Z	
9	0	C8*	1pF Cap, 0805	Kemet	80-C0805C109C5G	C8* DNP
10	3	C9, C71, C73	1000pF 0805 SMT	Kemet	C0805C102K1RACTU	
11	6	D1, D2, D3, D4*, D5*, D6*, D7*, D8*, D9, D10,D11	DIODE 75V 500MW FAST SWITCHING (1N4148)	Fairchild Diodes, Inc.	FDLL4148	D4*, D5*, D6*, D7*, D8* DNP
12	1	HAWKTX12A5F	Hawkeye TX Card	NEI	HAWKTX12A5F	
13	7	R4, R52, R29, R27, R21, R61	RES 1.0K OHM 1/8W 5% 0805 SMD	Panasonic	9C08052A1001JLHFT	
14	5	C10, C11, C12, C13, C15	22pF 5% 50V NPO CAPACITOR 0805 smt	KEMET	C0805C220J5GAC	
15	1	X1	4MHz CRYSTAL	FOX	FOXS040	
16	0	DNP	18 PIN DIP SOCKET	Assmann	TBD	Direct solder chip to U3 board
17	2	L1, L8	.1uH (100nH) SMT Inductor	Vishay	IMC0805ERR10J01	
18	3	Q1, Q3, Q6	TRANS NPN 40V SMD SOT-23	Zetex	FMMT3904TA	
19	2	Q2, Q4	TRAN 100V 1A PNP SPR SOT SOT-23	Zetex	FMMT723TA	
20	1	Q5	TRANSISTOR NPN 1GHZ SOT-143	CEL	NE68139-T1-A	
21	4	R24, R25, R26, R25A	39 Ohm, 0805 SMT	Vishay/Dale	CRCW080539R0JNEB	
22	1	U1	Switching converter	Diodes, Inc.	AP1603WL-7	
23	1	L2	INDUCTOR 22uH	TDK	VLCF5020T-220MR58	
24	2	C16, C17	47uF 10 Volt Tantalum Capacitor	Vishay	293D476X9010C2TE3	
25	1	LED1	T1-3/4 RED/GREEN BI-COLOR LED	FAIRCHILD	MV5437	
26	1	U3	LM317LZX	FAIRCHILD	LM317LZX	
27	0	C18	330uF, 25V	Mouser	UVR1E331MPD1TD	C18** only on Fal- con
28	1	U2	PICF819I/P, Microprocessor	Microchip	PIC16F819I/P	
29	1	C60	CAP CER 10PF 50V NP0 NP0 0805	TDK CORPORATION (VA)	C2012C0G1H100D	
30	1	X2	13.5625 MHz TX Xtal	RFHERO		
31	1	C61	CAP CER 6.8PF 50V NP0 0805	KEMET (VA)	C0805C689D5GACTU	
32	1	C30	CAP CER 3.3PF 50V NP0 0805	KEMET (VA)	C0805C339D5GACTU	
33	1	C31	CAP CER 330PF 50V 5% NP0 0805	KEMET (VA)	C0805C331J5GACTU	
34	1	U5	IC TX ASK/FSK 434MHZ 10-TSSOP	INFINEON TECH- NOLOGIES (VA)	TDA7100	
35	1	R70	0 Ohm 0805 SMT Resistor 5%	Panasonic	9C08052A0R00JLHFT	
36	1	R71	DNP- for future design			DNP
37	1	C70	DNP- for future design			DNP
38	1	U7	DNP- for future design			DNP
39	1	FL1	434MHz RF Filter		B39431B3710U410	