

BRUT

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BRUNO 318MHz TRANSMITTER PCB-00050 PARTS LIST

Item#	Part#	Qty	Manufacturer	Description	Value/Pkg	Reference Designators
1	NE85633-R25	1	NEC/CAL EASTERN	RF NPN TRANSISTOR	SOT-23	Q1
2	MMBT3904LT1	1	MOTOROLA	GEN PURPOSE NPN TRANSISTOR	SOT-23	Q2
3	5611M12	2	E-SWITCH	TACT SWITCH WITH GREEN LED	LEADED	S1 S2 S4 S5
4	1008HS-560T JBC	1	COLCRAFT	SMT INDUCTOR 5%	56nH	L1
5	1008HS-821TKBC	1	COLCRAFT	SMT INDUCTOR 10%	820nH	L2
6	24LC01B/SN	1	MICROCHIP	1K CMOS SERIAL EE PROM	SO-08	U3 .17" normal body requires serialization
7	TC54VC2902ECB	1	TELCOM	2.90V VOLTAGE DETECTOR	SOT-23	U2
8	PIC12C508-04/SM	1	MICROCHIP	8 BIT CMOS MICRO PROCESSOR	SO-08	U1 .20" wide body requires programming
9	BH3AAA-PC	1	MEM PROTECTION DEV	3XAAA BATTERY HOLDER		
10		2		2-56 FLATHEAD ZPS MACHINE SCREW		
11		2		2-56 ZINC PLATED STEEL HEX NUT		for battery holder B1, .375" long philips for battery holder B1
12		3	TBD	AAA ALKALINE BATTERY	4.5V	B1
13	CAP	1	GENERIC	0603 SIZE SMT +-.25pF 50V NPO CAP	252F	C5
14	CAP	1	GENERIC	0603 SIZE SMT +-.25pF 50V NPO CAP	450F	C2
15	CAP	1	GENERIC	0603 SIZE SMT 5% 50V NPO CAP	15pF	C3
16	CAP	1	GENERIC	0603 SIZE SMT 5% 50V NPO CAP	22pF	C6
17	CAP	1	GENERIC	0603 SIZE SMT 5% 50V NPO CAP	39pF	C1
18	CAP	3	GENERIC	0603 SIZE SMT 5% 50V NPO CAP	150pF	C4 C7 C11
19	CAP	1	GENERIC	0603 SIZE SMT 10% 50V X7R CAP	1nF	C8
20	CAP	2	GENERIC	0603 SIZE SMT 10% 50V X7R CAP	10nF	C9 C10
21	TBD	1	TBD	.10" PITCH 5 PIN HEADER		J1 do not populate
22	RES0805	1	GENERIC	1/16W 0603 SIZE SMT 5% RESISTOR	7k5	R1
23	RES0805	1	GENERIC	1/16W 0603 SIZE SMT 5% RESISTOR	220	R2
24	RES0805	1	GENERIC	1/16W 0603 SIZE SMT 5% RESISTOR	33	R3
25	RES0805	1	GENERIC	1/16W 0603 SIZE SMT 5% RESISTOR	4R7	R4
26	RES0805	1	GENERIC	1/16W 0603 SIZE SMT 5% RESISTOR	22	R5
27	RES0805	1	GENERIC	1/16W 0603 SIZE SMT 5% RESISTOR	5k1	R6
28	RES0805	2	GENERIC	1/16W 0603 SIZE SMT 5% RESISTOR	470	R7 R10
29	RES0805	3	GENERIC	1/16W 0603 SIZE SMT 5% RESISTOR	10k	R8 R9 R12
30	RES0805	1	GENERIC	1/16W 0603 SIZE SMT 5% RESISTOR	47k	R11
31	RO2118A	1	RF MONOLITHICS	318MHz SAW RESONATOR	SM-2	SA1
32		1	TBD	24 AWG .10" PITCH BARE WIRE JUMPER		J2
33	BR0108	1	TBD	PRINTED CIRCUIT BOARD 2.46" X 4.31"		see fabrication drawing BR0110