

#2025

NightFire Electronic Kits

Bill Of Material for GTC & 2N4401 & 2N4403 Kit

Rev A

Item	Type	Description	Qty
1	Transistor	2N4401, NPN, TO-92	4
2	Transistor	2N4403, PNP, TO-92	4
3	Crystal	13.500 MHz	1
4	Crystal	16.000 MHz	1
5	Diode	1N4005, 500v, 1 Amp	5
6	Diode	1N4148, Silicon, Signal	5
7	Diode	1N4740, 10v, 1 Watt, Zener	2
8	Diode	1N4742, 12v, 1 Watt, Zener	2
9	Capacitor	220pF, 50v, Ceramic Disc	2
10	Capacitor	470pF, 50v, Ceramic Disc	2
11	Capacitor	680pF, 50v, Ceramic Disc	2
12	Capacitor	.001uF, 50v, Ceramic Disc	2
13	Capacitor	.0022uF, 50v, Ceramic Disc	2
14	Capacitor	.01uF, 50v, Ceramic Disc	2
15	Capacitor	.10uF, 50v, Ceramic Disc	2
16	Capacitor	1.0uF, 50v, Aluminum, Radial	2
17	Capacitor	4.7uF, 25v, Aluminum, Radial	2
18	Capacitor	12uF, 63v, Aluminum, Radial	2
19	Capacitor	22uF, 16v, Aluminum, Radial	2
20	Capacitor	47uF, 25v, Aluminum, Radial	2
21	Capacitor	120uF, 25v, Aluminum, Radial	2
22	Capacitor	220uF, 10v, Aluminum, Radial	2
23	Resistor	30 Ohms, 1/4 Watt, Carbon Film	2
24	Resistor	75 Ohms, 1/4 Watt, Carbon Film	2
25	Resistor	120 Ohms, 1/4 Watt, Carbon Film	2
26	Resistor	240 Ohms, 1/4 Watt, Carbon Film	2
27	Resistor	470 Ohms, 1/4 Watt, Carbon Film	2
28	Resistor	560 Ohms, 1/4 Watt, Carbon Film	2

29	Resistor	680 Ohms, 1/4 Watt, Carbon Film	2
30	Resistor	1.0K, 1/4 Watt, Carbon Film	2
31	Resistor	2.2K, 1/4 Watt, Carbon Film	2
32	Resistor	3.3K, 1/4 Watt, Carbon Film	2
33	Resistor	4.7K, 1/4 Watt, Carbon Film	2
34	Resistor	6.8K, 1/4 Watt, Carbon Film	2
35	Resistor	10K, 1/4 Watt, Carbon Film	2
36	Resistor	15K, 1/4 Watt, Carbon Film	2
37	Resistor	27K, 1/4 Watt, Carbon Film	2
38	Resistor	36K, 1/4 Watt, Carbon Film	2
39	Resistor	47K, 1/4 Watt, Carbon Film	2
40	Resistor	62K, 1/4 Watt, Carbon Film	2
41	Resistor	100K, 1/4 Watt, Carbon Film	2
42	Resistor	240K, 1/4 Watt, Carbon Film	2
43	Resistor	330K, 1/4 Watt, Carbon Film	2
44	Resistor	470K, 1/4 Watt, Carbon Film	2
45	Resistor	560K, 1/4 Watt, Carbon Film	2
46	Resistor	680K, 1/4 Watt, Carbon Film	2
47	Resistor	1.0M, 1/4 Watt, Carbon Film	2
48	LED	RED, T 1 3/4	3
49	LED	YELLOW, T 1 3/4	3
50	LED	GREEN, T 1 3/4	3
51	LED	BLUE, T 1 3/4	3
52	LED	WHITE, T 1 3/4	3
53	Potentiometer	10K, Single-Turn, PCB Mount	1
54	Potentiometer	22K, Single-Turn, PCB Mount	1
55	Potentiometer	470K, Single-Turn, PCB Mount	1
56	Potentiometer	4.7M, Single-Turn, PCB Mount	1
57	Battery Clip	9V, Snap, 2-wires	2
58	Speaker	Miniature, 32 Ohms	1
59	Switch	Slide, SPDT	2
60	Switch	Pushbutton, Momentary	2
61	PCB	GTC, Rev A	1