

2021 Rogue Badge

#	Designator	Name	Spec	Manufacturer	PN	Footprint	QTY	Ship QTY
1	A1	Antenna		Johanson	2450AD18A7250	1.6x3.2	1	100
2	BT1	Battery Holder	1xCR123	Keystone	1050	SMT	1	100
3	BT1-BT3	Buttons	RA NO M SMT	Panasonic	EVQ-P7J01P	SMT	3	300
4	C1		4.7uF Tant	AVX	F980J475MMA	0603	1	100
5	C17, C14	Decoupling	1uF Cap	Samsung	CL10A105KA8NFNC	0603	2	200
6	C2, C3, C5, C6, C8, C9, C10, C12, C13, C15	Bypass	0.1uF Bypass Cap	AVX	06033C104KAT4A	0603	10	900
7	C4, C11, C16	Bypass	10uF Bypass Cap	Samsung	CL10A106KQ8NNNC	0603	3	300
8	C7	DNP	DNP	DNP	DNP	0603	0	0
9	D0-D6, D10-D16, D20-D26, D30-D36, D40-D46, D50-D56, D60-D66, D70-D76, D80-D86, D90-D96, D100-D106, D110-D116, D120-D126, D130-D136, D140-D146	RGB LEDs		Everlight	EAST1616RGBA8	SMT	105	10000
10	FL1	Ferrite Bead		Murata	BLM18HE152SH1D	0603	1	100
11	L1	Inductor for fussy pants		Bourns	CV201210-4R7K	0805	1	100
12	P1	DNP	DNP	DNP	DNP	2mm	0	0
13	P2	DNP	DNP	DNP	DNP	2mm	0	0
14	Q1	Light Sensor		Wurth	1540601NBA500	0603	1	100
15	R1	Current	Low Ohm, High Watt	Bourns	CRM2010AJW-1R0ELF	1210	1	100
16	R2	IR Resistor	47 Ohm	Koa	RK73B1JTTDD470J	0603	1	100
17	R3, R6	light and ref	5k light	Yageo	RC0603FR-104K99L	0603	2	200
18	R5	Pull up	100k PU	Bourns	CR0603-JW-104ELF	0603	1	100
19	SC1	Balun		Johanson	2450BM14G0011T	0603	1	100

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20	U1	MCU		TI	CC2640R2FRGZR	QFN-48	1	100
21	U2	IR Encoder		Microchip	MCP2122T-E/SN	SOIC-8	1	100
22	U3	IR Transmitter		Vishay	TFBS4711-TR1	SMT	1	100
23	U4	LED Controller		TI	TLC6983RRFR	QFP-48	1	100
24	U5	Flash		Winbond	W25Q80DVSNI ^G TR	SOIC-8 208	1	100
25	X1	Crystal 24MHz		Epson	TSX-3225 24.0000MF10Z-C3	SMT	1	100
								0
								0
								0
			Total Badges	80				
		Number of Pads		851				
		Number of Holes		0				
		Number of Unique Components		22				
		Total Number of Components		141				