

No	ref	Qty	Type	value	footprint	Description	Value	Package	Manufacturer
1	C1 - C16	16	Capacitor	100n	c_0805	CAP CER 0.1UF 25V 10% X7R 0805	100nF, 25V	Surface Mount, MLCC	Kemet
2	C17	1	Capacitor	47u,8V	c_2917	CAP ALUM 47UF 8V 20% SMD	47u,8V	2917 (7343 Metric)	Panasonic
3	P1	1	Connector	CONN_N	CONN_N	CONN HEADER 16POS .100 R/A 30AU	Header, Unshrouded, Male pin,	0.1" right angle	FCI
4	P2, P3	2	Connector	CONN_W	CONN_W	CONN HEADER 50POS .100" SGL GOLD	Header, Unshrouded, Male pin,	0.1"	Samtec Inc
5	P4	1	Connector	CONN_S	CONN_S	Conn Socket Strip SKT 5 POS 2.54mm Solder RA Thru-Hole	Header, Female	0.1" right angle	Samtec Inc
6	P5	--	Other	CONN_1	pad	--	--	--	--
7	P6	--	Other	CONN_1	pad	--	--	--	--
8	P7	--	Other	CONN_1	pad	--	--	--	--
9	P8	--	Other	CONN_1	pad	--	--	--	--
10	PCB1		Other	CONN_1	PCB	--	--	--	--
11	S1	--	Other	CONN_1	Screw	--	--	--	--
12	S2	--	Other	CONN_1	Screw	--	--	--	--
13	S3	--	Other	CONN_1	Screw	--	--	--	--
14	S4	--	Other	CONN_1	Screw	--	--	--	--
15	U1 - U16	16	DIODE	RGB_WS2811	RGB_WS2811	5050 SMD RGB LED with built-in WS2811 IC	WS2811 LED	5050	RITA

Manufacturers PN	Distributor	Distributors PN	Link
C0805C104K3RACTU	Digikey	399-1168-1-ND	http://www.digikey.com/product-detail/en/C0805C104K3RACTU
EEF-CD0K470R	Digikey	PCE3606CT-ND	http://www.digikey.com/product-detail/en/EEF-CD0K470R
68016-116HLF	Digikey	609-3317-ND	http://www.digikey.com/product-detail/en/68016-116HLF
TSW-150-07-L-S	Digikey	SAM1031-50-ND	http://www.digikey.com/scripts/DkSearch/dksearch.asp?AD=US&lang=en&part=TSW-150-07-L-S
BCS-104-L-S-HE	Arrow	BCS-104-L-S-HE	http://components.arrow.com/part/detail/270104
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WS2812	AliExpress	656558600	http://www.aliexpress.com/store/product/506558600