

# Wireless Adapter

Ref Des	Quantity	Part Number
DIY Plastic Project	1	<a href="#">1063302</a>
Modified Plastic Housing	1	
Circuit Board	1	<a href="https://oshpark.com/shared_projects/yvBsta7q">https://oshpark.com/shared_projects/yvBsta7q</a>
Metal Screws	2	490258
U1	1	ESP32-DevKitC from espressif or pinout equivalent
CN2	1	CP-002A-ND
IC1	1	945-1395-5-ND
C1	1	P19551CT-ND
L1	1	495-5571-1-ND
D1	1	1N5232BFSCT-ND
IC3	1	296-4655-5-ND
IC Socket	1	571-1-2199298-3
R2	1	691104
C2	1	594-K103K10X7RF5UHS
C3	1	478-1841-ND
Test Points	1	952-2281-ND 10 pos cut to 5
Test Points	1	952-2281-ND 10 pos cut to 4
X1	1	A31444-ND
U1 Module Socket	2	S7018-ND
IC1 Module Socket	1	952-2281-ND 10 pos cut to 3
Config Header	1	952-2281-ND 10 pos cut to 3
Config Jumper	1	A26853-ND
Optional	1	LM340T-5.0/NOPB
Optional	1	HS115-ND
Optional		

# BOM

Description	Vendor
75 x 54 x 27mm	<a href="http://Banggood.com">Banggood.com</a>
Plastic housing modified with cutout for X1	
Note	OshPark.com
Flat Phillips Metal #4 x 3/8	Hilman -- Lowes
<a href="https://esp-idf.readthedocs.io/en/latest/get-started/get-started-devkitc.html">https://esp-idf.readthedocs.io/en/latest/get-started/get-started-devkitc.html</a>	Banggood.com
Pwr Jack 5 mm	Digi-Key
DC DC Converter 5V 5W	Digi-Key
Cap 10uF 100V	Digi-Key
Ind 5.6 uH 700ma	Digi-Key
Diode zener 5.6V 500 mw	Digi-Key
74AHCT125 14 pin dip	Digi-Key
14 pin dip	Mouser
10K .25W 5%	Jameco
Cap 0.01 uF 50 V	Mouser
Cap Tant 10 uF 25V	Digi-Key
2mm centers	Digi-Key
2mm centers	Digi-Key
Jack 8P8C RJ-45	Digi-Key
CONN HEADER FEMALE 20POS .1" TIN	Digi-Key
2mm centers	Digi-Key
2mm centers	Digi-Key
Shunt LP w Handle 2 pos sn	Digi-Key
Optional in place of IC1	Digi-Key
Heat Sink TO-220 2.5W	Digi-Key
Heat Sink compound	