



Wemos D1 Mini ESP8266 MOSFET Board (Sample Bill of Materials)

@maker101io

Item #	*Designator	*Qty	Manufacturer	*Mfg Part #	Description / Value	*Package/Footprint	Your Instructions / Notes
1	C1	1	HRK(鸿瑞凯电子)	16V100uF CD288	Capacitor 100uF ±20% 16V	CAP-TH_BD5.0-P2.00-D0.5-FD	
2	C2	1	HRK(鸿瑞凯电子)	16V100uF CD288	Capacitor 100uF ±20% 16V	CAP-TH_BD5.0-P2.00-D0.5-FD	
3	H1	1	BOOMELE(博穆精密)	2.54-1*4P母	Header Female 2.54mm 1x4P	HDR-TH_4P-P2.54-V-F	
4	H2	1	BOOMELE(博穆精密)	2.54-1*6P母	Header Female 2.54mm 1x6P	HDR-TH_6P-P2.54-V-F	
5	MOSFET1	1	minos(迈诺斯)	IRFZ44N	MOSFET IRFZ44N TO-220	TO-220-3_L9.9-W4.5-P2.54-L	
6	R1	1	CCO(千志电子)	CF1/4W-330Ω±5% T	Resistor 330Ω	RES-TH_BD2.2-L6.5-P10.50-D0.6	
7	R2	1	华星机电	CF1/2W-10KΩ±5%T52	Resistor 10kΩ	RES-TH_BD3.2-L9.0-P13.00-D0.5	
8	U1	1	Nettigo	Wemos_D1_mini	Wemos D1 mini V2 WiFi module https://nettigo.eu/products/wemos-d1-mini-v2-wifi-module	DIP-16_WEMOS_D1_MINI_PRO4	U1 board will not be mounted! 2 pcs "Header Female 2.54mm 1x8P" will be installed instead of U1 board.
9	U2	1	XINLAIYA(新莱亚)	XY301V-A-5.0-2P	Screw terminal blocks 5mm 1x2P	CONN-TH_XY301V-A-5.0-2P	
10	U3	1	XINLAIYA(新莱亚)	XY301V-A-5.0-2P	Screw terminal blocks 5mm 1x2P	CONN-TH_XY301V-A-5.0-2P	
11	U4	1	XINLAIYA(新莱亚)	XY301V-A-5.0-3P	Screw terminal blocks 5mm 1x3P	CONN-TH_XY301V-A-5.0-3P	
12	U5	1	XINLAIYA(新莱亚)	XY301V-A-5.0-3P	Screw terminal blocks 5mm 1x3P	CONN-TH_XY301V-A-5.0-3P	
13	U6	1	XINLAIYA(新莱亚)	XY301V-A-5.0-3P	Screw terminal blocks 5mm 1x3P	CONN-TH_XY301V-A-5.0-3P	