



Comment	Description	Designator	Footprint	LibRef	Quantity
Nut Nhan 2 Chan SMD 3x6x2.5	Nut Nhan 2 Chan SMD 3x6x2.5	BT1	Nut Nhan 2 Chan SMD 3x6x2.5	Nut Nhan 2 Chan SMD 3x6x2.5	1
104	Dán	C1, C3, C4, C6, C12, C15, C20, C22	tu 0603	Tu 0603 104 50V 10%	8
106	Dán	C2, C5, C8, C11, C13, C14, C16, C17, C18, C23	tu 0603	Tu 0603 106 16V 20%	10
226	Dán	C7, C9, C10	tu 0603	Tu 0603 226 6.3V 10%	3
SS14	Dán	D1	DIODE SMA	Diode SS14 (1N5819)	1
0.5W 5.1V	Dán	D2	DIODE ZENNER SMD SOD80	Diode Zener 5.1V	1
SS34	Dán	D3	DIODE SMA	Diode SS34 (1N5822)	1
DHT22		DHT1	DHT22	DHT22	1
3A 16V	FUSE POLYSWITCH RUE SERIES 3A 16V	F1	FUSE-RUEF250U-2	Cau chi tu phuc hoi 3A 16V	1
120R	Ferrite bead 120 Ohm at 100 MHz 2A 0603 SMD	FB1, FB2	INDC1608N	FERRITE_120R_2.5A- 0603	2
Header 2P 2.54 Duc Thang	Cắm	H2	XH2.54M-2	Header 2P 2.54 Duc Thang	1
W25Q16		IC1	W25Q16 -SOIC8	W25Q16	1
MT3608		IC2	SOT23-6A	MT3608_Boost	1
AMS1117 3.3V		IC6	SOT223	AMS1117 3.3V	1
DW01A		IC8	SOT23127P600-8N	DW01A	1
TP4056 1A		IC9	SOP8	TP4056 1A	1
FS8205A		IC10	SOT-23-6L	FS8205A	1
JP 1x4 2.54	Cắm	JP1	JP 1x4 DT	JP 1x4 2.54 Duc Thang	1
JP 1x5 2.54	Cắm	JP2	JP 1x5 DT	JP 1x5 2.54 Duc Thang	1
JP 1x6 2.54	Cắm	JP3	JP 1x6 DT	JP 1x6 2.54 Duc Thang	1
JP 1x4 2.54	Cắm	JP4	JP 1x4 DC	JP 1x4 2.54 Duc Cong	1
IND_22uH-3A	Fixed Inductors MSS1038 SMT Shielded 15 uH 20 % 3.8 A	L3	IND_22_12X12_SMD	IND_22uH-3A-30%- SMD_1	1
LED SMD 0603	LED 0603 SMD Green 525nm 350mcd 20mA	LED1, LED4	LED-0603-BLUE	LED SMD 0603	2
LED SMD 0603	LED 0603 SMD Green 525nm 350mcd 20mA	LED2, LED3	LED-0603-RED	LED SMD 0603	2
AO3401 30V/4A	MOSFET P-CH 30V 4A SOT23	Q2	SOT23_3	AO3401	1
10k	Dán	R1, R2, R3, R4, R5, R6, R12, R13, R16, R22, R23, R33	tro smd 0603	Tro 0603 1% 10k, Tro 0603 5% 10k	12
47R	Dán	R7, R8, R9, R10	tro smd 0603	Tro 0603 1% 47R	4
100k	Dán	R11	tro smd 0603	Tro 0603 5% 100k	1
1.8k	Dán	R14	tro smd 0603	Tro 0603 1% 1.8k	1
910R	Dán	R15	tro smd 0603	Tro 0603 1% 910R	1
3.3k	Dán	R17, R18	tro smd 0603	Tro 0603 5% 3.3k	2
1k	Dán	R19, R28, R29, R30	tro smd 0603	Tro 0603 5% 1k	4
4.7k	Dán	R20, R21	tro smd 0603	Tro 0603 5% 4.7k	2
100R	Dán	R24, R25, R27	tro smd 0603	Tro 0603 5% 100R	3
2.2k	Dán	R26	tro smd 0603	Tro 0603 5% 2.2k	1
1.2k	Dán	R31	tro smd 0603	Tro 0603 1% 1.2k	1
0.5R	Dán	R34	tro smd 0805	Tro 0805 5% 0.5R	1
7D180K	VARISTOR 7V 18A DISC 7MM	R44	VARISTOR-7D180K	Varistor 7D180K	1
ESP32-WROOM-32U	Wi-Fi/BT BLE Module ESP32- D0WD	U1	ESP32-WROOM-32	ESP32-WROOM-32U	1
USB Micro 5p DIP	USB Type B	USB1	USB Micro 5p DIP	USB Micro 5p DIP	1
100K	Cắm	VR2	Bien Tro Tam Giac Dung	Bien tro tam giac 100K Dung	1