





| Nut Nhan 2 Chan SMD 3x6x2.5 BT1 | 1 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| C1, C3, C4, C6, C12, C15, C20, C22 | 10 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| 104 Dán C15, C20, C22 tu 0603 10% C2, C5, C8, C11, C13, C14, C16, C17, C18, C14, C14, C16, C17, C18, C14, C16, C17, C18, C14, C14, C14, C14, C14, C14, C14, C14 | 10 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| C2, C5, C8, C11, C13, C14, C16, C17, C18, C14, C14, C16, C17, C18, C14, C14, C16, C17, C18, C14, C14, C14, C14, C14, C14, C14, C14 | 10 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Dan | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Dan C7, C9, C10 tu 0603 10% | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| 226 Dán C7, C9, C10 tu 0603 10% SS14 Dán D1 DIODE SMA Diode SS14 (1N5819) 0.5W 5.1V Dán D2 SMD SOD80 Diode Zener 5.1V SS34 Dán D3 DIODE SMA 1N5822) DHT22 DHT1 DHT22 DHT22 DHT22 3A 16V RUE SERIES 3A 16V F1 FUSE-RUEF250U-2 3A 16V Ferrite bead 120 Ohm at 100 MHz 2A Offs 3MD FB1, FB2 INDC1608N Header 2P 2.54 D Thang Cám H2 XH2.54M-2 Thang W25Q16 IC1 W25Q16 -SOIC8 W25Q16 MT3608 IC2 SOT23-6A MT3608_Boost AMS1117 3.3V IC6 SOT223 AMS1117 3.3V DW01A IC9 SOP8 TP4056 1A F58205A IC10 SOT-23-6L FS8205A JP 1x4 2.54 Duc JP 1x5 2.54 Duc JP 1x5 2.54 Duc JP 1x5 2.54 Cám JP 2 JP 1x5 DT Thang JP 1x4 2.54 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Diode SMA | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| DIODE ZENNER SMD SOD80 Diode Zener 5.1V Diode SS34 (| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| 0.5W 5.1V Dán D2 SMD SOD80 Diode Zener 5.1V SS34 Dán D3 DIODE SMA 1N5822) DHT22 DHT1 DHT22 DHT22 FUSE POLYSWITCH 3A 16V RUE SERIES 3A 16V F1 FUSE-RUEF250U-2 3A 16V 120R O603 SMD F51 FUSE-RUEF250U-2 3A 16V 120R O603 SMD FB1, FB2 INDC1608N 0603 Header 2P 2.54 Duc Thang Header 2P 2.54 D Thang Header 2P 2.54 D W25016 IC1 W25016 - SOIC8 W25016 MT3608 IC2 SOT23-6A MT3608_Boost AMS1117 3.3V IC6 SOT223 AMS1117 3.3V DW01A IC8 SOT23127P600-8N DW01A TP4056 1A IC9 SOP8 TP4056 1A FS8205A IC10 SOT-23-6L FS8205A JP 1x4 2.54 Duc JP 1x5 2.54 Duc JP 1x5 2.54 Uc JP 1x5 2.54 Duc JP 1x6 2.54 Cám JP 2 JP 1x6 DT Thang | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Diode SS34 (Diode SS34 (N15822) | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| SS34 Dán D3 DIODE SMA 1N5822) DHT22 DHT1 DHT22 DHT22 3A 16V FUSE POLYSWITCH Cau chi tu phuc he 3A 16V FERRITE SA 16V FUSE-RUEF250U-2 A3 16V Ferrite bead 120 Ohm at 100 MHz 2A 0603 SMD FEB1, FB2 INDC1608N 0603 Header 2P 2.54 Duc Thang Cám H2 XH2.54M-2 Thang W25Q16 IC1 W25Q16 - SOIC8 W25Q16 MT3608 IC2 SOT23-6A MT3608_Boost AMS1117 3.3V IC6 SOT223 AMS1117 3.3V DW01A IC8 SOT23127P600-8N DW01A TP4056 1A IC9 SOP8 TP4056 1A FS8205A IC10 SOT-23-6L FS8205A JP 1x4 2.54 Cám JP1 JP 1x5 DT Thang JP 1x5 2.54 Cám JP2 JP 1x5 DT Thang JP 1x6 2.54 Cám JP3 JP 1x6 DT Thang JP 1x4 2.54 Cám JP3 JP 1x6 DT | 1 1 2 JC 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| FUSE POLYSWITCH RUE SERIES 3A 16V Ferrite bead 120 Ohm at 100 MHz 2A 0603 SMD FB1, FB2 INDC1608N G603 Header 2P 2.54 Duc Thang Cám H2 XH2.54M-2 Thang W25Q16 IC1 W25Q16-SOIC8 W25Q16 MT3608 IC2 SOT23-6A MT3608_Boost AMS1117 3.3V IC6 SOT223 AMS1117 3.3V IC8 SOT223 AMS117 3.3V IC9 SOP8 TP4056 1A IC9 SOP8 TP4056 1A IC9 SOP8 JP 1x4 2.54 Duc JP 1x4 2.54 Duc JP 1x5 2.54 Cám JP1 JP 1x5 2.54 Duc JP 1x6 2. | 1 1 2 JC 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| 3A 16V RUE SERIES 3A 16V F1 FUSE-RUEF250U-2 3A 16V Ferrite bead 120 Ohm at 100 MHz 2A 0603 SMD FB1, FB2 INDC1608N 0603 Header 2P 2.54 Duc Thang Câm H2 XH2.54M-2 Thang W25Q16 IC1 W25Q16 -SOIC8 W25Q16 MT3608 IC2 SOT23-6A MT3608_Boost AMS117 3.3V IC6 SOT223 AMS1177 3.3V DW01A IC8 SOT23127P600-8N DW01A IC9 SOP8 TP4056 1A IC9 SOP8 TP4056 1A IC9 SOP8 TP4056 1A IC10 SOT-23-6L FS8205A IC10 SOT-23-6L FS8205A JP 1x4 2.54 Duc JP 1x4 2.54 Duc JP 1x5 2.54 Duc JP 1x5 2.54 Duc JP 1x6 2.54 Duc JP 1x6 2.54 Duc JP 1x6 2.54 Duc JP 1x6 2.54 Duc JP 1x4 2.54 Câm JP3 JP 1x6 DT Thang JP 1x4 2.54 Duc JP 1x4 2.54 Câm JP3 JP 1x6 DT Thang JP 1x4 2.54 Duc IND_22uH-3A-30% | 1 1 2 JC 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Ferrite bead 120 | 2 1 1 1 1 1 1 |
| Ohm at 100 MHz 2A FERI, FB2 INDC1608N FERRITE_120R_2.5 O603 MD O603 | 2 1 1 1 1 1 1 |
| 120R 0603 SMD FB1, FB2 INDC1608N 0603 Header 2P 2.54 Duc Thang Cẩm H2 XH2.54M-2 Thang W25Q16 IC1 W25Q16 - SOIC8 W25Q16 MT3608 IC2 SOT23-6A MT3608_Boost AMS1117 3.3V IC6 SOT223 AMS1117 3.3V DW01A IC8 SOT23127P600-8N DW01A FS8205A IC10 SOP8 TP4056 1A FS8205A JP 1x4 2.54 Duc JP 1x4 2.54 Duc JP 1x5 2.54 Cẩm JP1 JP 1x5 DT Thang JP 1x5 2.54 Cẩm JP 2 JP 1x5 DT Thang JP 1x6 2.54 Duc JP 1x6 2.54 Duc Thang JP 1x6 2.54 Duc JP 1x4 2.54 Cẩm JP 2 JP 1x6 DT Thang JP 1x4 2.54 Cẩm JP 2 JP 1x6 DT Thang JP 1x4 2.54 Cẩm JP 2 JP 1x6 DT Thang JP 1x4 2.54 Cẩm JP 1x4 2.54 Duc Cong | 2 1 1 1 1 1 1 |
| Thang Cẩm H2 XH2.54M-2 Thang W25Q16 IC1 W25Q16 -SOIC8 W25Q16 MT3608 IC2 SOT23-6A MT3608_Boost AMS1117 3.3V IC6 SOT223 AMS1117 3.3V DW01A IC8 SOT23127P600-8N DW01A TP4056 1A IC9 SOP8 TP4056 1A FS8205A IC10 SOT-23-6L FS8205A JP 1x4 2.54 Cẩm JP1 JP 1x4 DT Thang JP 1x5 2.54 Cẩm JP2 JP 1x5 DT Thang JP 1x6 2.54 Cẩm JP3 JP 1x6 DT Thang JP 1x4 2.54 Cẩm JP3 JP 1x6 DT Thang JP 1x4 2.54 Cẩm JP4 JP 1x4 DC Cong IP 1x4 2.54 Cẩm JP4 JP 1x4 DC Cong | 1 1 1 1 |
| W25016 IC1 W25016 - SOIC8 W25016 MT3608 IC2 SOT23 - 6A MT3608 Boost AMS1117 3.3V IC6 SOT223 AMS1117 3.3V DW01A IC8 SOT23127P600-8N DW01A TP4056 1A IC9 SOP8 TP4056 1A FS8205A IC10 SOT-23-6L FS8205A JP 1x4 2.54 DL JP 1x4 2.54 Duc Thang JP 1x5 2.54 Câm JP 1 JP 1x5 DT Thang JP 1x6 2.54 Câm JP 3 JP 1x6 DT Thang JP 1x4 2.54 Câm JP 3 JP 1x6 DT Thang JP 1x4 2.54 Câm JP 4 JP 1x4 DC Cong Fixed Inductors MS51038 SMT Shielded 15 uH 20 IND_22uH-3A-30% | 1 |
| MT3608 IC2 SOT23-6A MT3608_Boost AMS1117 3.3V IC6 SOT223 AMS1117 3.3V DW01A IC8 SOT23127P600-8N DW01A TP4056 1A IC9 SOP8 TP4056 1A FS8205A IC10 SOT-23-6L FS8205A JP 1x4 2.54 DUC Thang JP 1x5 2.54 Câm JP1 JP 1x4 DT Thang JP 1x5 2.54 DUC Thang JP 1x6 2.54 DUC JP 1x6 2.54 DUC JP 1x6 2.54 DUC Thang JP 1x4 2.54 Thang JP 1x4 2.54 DUC Thang | 1 |
| AMS1117 3.3V IC6 SOT223 AMS1117 3.3V DW01A IC8 SOT23127P600-8N DW01A TP4056 1A IC9 SOP8 TP4056 1A FS8205A IC10 SOT-23-6L FS8205A JP 1x4 2.54 DUC Thang JP 1x5 2.54 Câm JP1 JP 1x4 DT Thang JP 1x5 2.54 DUC Thang JP 1x6 2.54 DUC JP 1x6 2.54 DUC JP 1x6 2.54 DUC JP 1x4 2.54 DUC Thang JP 1x6 2.54 DUC Thang JP 1x6 2.54 DUC Thang JP 1x6 2.54 DUC Thang JP 1x4 2.54 D | + - |
| DW01A IC8 SOT23127P600-8N DW01A TP4056 1A IC9 SOP8 TP4056 1A FS8205A IC10 SOT-23-6L FS8205A JP 1x4 2.54 DW JP 1x4 2.54 Duc Thang JP 1x5 2.54 Câm JP2 JP 1x5 DT Thang JP 1x6 2.54 Duc JP 1x6 2.54 Duc JP 1x6 2.54 Duc JP 1x4 2.54 Câm JP 3 JP 1x6 DT Thang JP 1x4 2.54 Câm JP 3 JP 1x4 DC Cong Fixed Inductors MS51038 SMT IND_22uH-3A-30% Shielded 15 uH 20 IND_22uH-3A-30% | + - |
| TP4056 1A IC9 SOP8 TP4056 1A FS8205A IC10 SOT-23-6L FS8205A JP 1x4 2.54 Duc JP 1x4 2.54 DT Thang JP 1x5 2.54 DT Thang JP 1x6 2.54 DUc JP 1x6 2.54 DT Thang JP 1x6 2.54 Duc JP | 1 1 1 1 1 1 1 1 1 1 1 |
| FS8205A IC10 SOT-23-6L FS8205A JP 1x4 2.54 Duc JP 1x4 2.54 Du JP 1x5 2.54 Du JP 1x5 2.54 Du JP 1x5 2.54 Du JP 1x5 2.54 Du JP 1x6 2.54 Duc JP 1x4 2.54 Duc IND 22uH-3A-309 | 1 1 1 1 1 1 1 1 |
| JP 1x4 2.54 Duc JP 1x4 2.54 Du JP 1x4 2.54 Du JP 1x5 2.54 Du JP 1x6 2.54 Du JP 1x6 2.54 Du JP 1x6 2.54 Du JP 1x6 2.54 Du JP 1x4 2.54 Du | 1 1 1 |
| JP 1x4 2.54 Cấm JP1 JP 1x4 DT Thang JP 1x5 2.54 Cẩm JP2 JP 1x5 DT Thang JP 1x6 2.54 DT Thang JP 1x6 2.54 Duc JP 1x6 2.54 Cẩm JP3 JP 1x6 DT Thang JP 1x4 2.54 Cẩm JP4 JP 1x4 DC Cong Fixed Inductors MSS1038 SMT Shielded 15 uH 20 IND_22uH-3A-30% | 1 1 |
| JP 1x5 2.54 Duc Thang JP 1x6 2.54 Duc Cong JP 1x4 2.54 Duc Cong Fixed Inductors MSS1038 SMT Shielded 15 uH 20 | 1 |
| JP 1x6 2.54 Duc JP 1x6 2.54 Duc Thang JP 1x6 2.54 Duc Thang JP 1x4 2.54 Duc Thang JP 1x4 2.54 Duc Cong Fixed Inductors MSS1038 SMT Shielded 15 uH 20 IND_22uH-3A-309 | 1 |
| JP 1x6 2.54 Cẩm JP3 JP 1x6 DT Thang JP 1x4 2.54 Cẩm JP4 JP 1x4 DC Cong Fixed Inductors MSS1038 SMT Shielded 15 uH 20 IND_22uH-3A-309 | 1 |
| JP 1x4 2.54 | ' |
| JP 1x4 2.54 Cẩm JP4 JP 1x4 DC Cong Fixed Inductors MSS1038 SMT Shielded 15 uH 20 IND_22uH-3A-309 | |
| MSS1038 SMT Shielded 15 uH 20 IND_22uH-3A-309 | 1 |
| Shielded 15 uH 20 IND_22uH-3A-30% | |
| | |
| IND_22uH-3A | 1 |
| LED 0603 SMD | |
| Green 525nm | |
| LED SMD 0603 350mcd 20mA LED1, LED4 LED-0603-BLUE LED SMD 0603 LED 0603 SMD | 2 |
| Green 525nm | |
| LED SMD 0603 350mcd 20mA LED2, LED3 LED-0603-RED LED SMD 0603 | 2 |
| MOSFET P-CH 30V AO3401 30V/4A 4A SOT23 O2 SOT23 3 AO3401 | |
| AO3401 30V/4A 4A SOT23 Q2 SOT23_3 AO3401 R1, R2, R3, R4, R5, | 1 |
| R6, R12, R13, R16, Tro 0603 1% 10k, | |
| 10k Dán R22, R23, R33 tro smd 0603 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 | |
| 1.8k Dán R14 tro smd 0603 Tro 0603 1% 1.8k | 1 |
| 910R Dán R15 tro smd 0603 Tro 0603 1% 910F | _ |
| 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 | _ |
| 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 DISC 7MM R44 VARISTOR-7D180K Varistor 7D180K | 1 |
| Wi-Fi/BT BLE | 1 |
| Module ESP32- | |
| ESP32-WROOM-32U D0WD U1 ESP32-WROOM-32 ESP32-WROOM-3 | _ |
| USB Micro 5p DIP USB Type B USB1 USB Micro 5p DIP USB Micro 5p DIP USB Micro 5p DIP USB Micro 5p DIP | 1 |
| Bien Tro Tam Giac Bien tro tam giac 100K Cam VR2 Dung 100K Dung | |