| Qty | Designation | Package | Designator |
|---|---|---|---|
| 1 | 0R(board_mounted) | 0R_0603 | R25 |
| 1 | 6.8R/R1206 | R_1206_5MIL_DWS | R53 |
| 2 | 10R/R0603 | R_0603_5MIL_DWS | R36,R43 |
| 5 | 49.9R/1%/R0402 | R_0402_5MIL_DWS | R28,R31,R32,R33,R58 |
| 1 | 120R/R1206 | R_1206_5MIL_DWS | R47 |
| 5 | 220R/R0603 | R_0603_5MIL_DWS | R14,R16,R26,R27,R37 |
| 1 | 330R/R0603 | R_0603_5MIL_DWS | R13 |
| 1 | 680R/R0603 | R_0603_5MIL_DWS | R15 |
| 6 | 1k/R0603 | R_0603_5MIL_DWS | R1,R5,R42,R41,R50,R55 |
| 1 | 2k/1%/R0603 | R_0603_5MIL_DWS | R8 |
| 6 | 2.2k/R0603 | R_0603_5MIL_DWS | R3,R4,R7,R11,R18,R21 |
| 15 | 10k/R0603 | R_0603_5MIL_DWS | R2,R6,R22,R23,R24,R29, R30,R34,R35,R38,R40,R45, R49,R51,R56 |
| 1 | 12.1k/1%/R0603 | R_0603_5MIL_DWS | R39 |
| 1 | 49.9k/1%/R0603 | R_0603_5MIL_DWS | R20 |
| 1 | 100k/R0603 | R_0603_5MIL_DWS | R52 |
| 1 | 220k/R0603 | R_0603_5MIL_DWS | R19 |
| 2 | 470k/R0603 | R_0603_5MIL_DWS | R9,R10 |
| 3 | RA1206_(4X0603)_4B8_2.2k | R_MATRIX_4 | RM1,RM2,RM3 |
| 2 | 27pF/50V/5%/C0G/C0603 | C_0603_5MIL_DWS | C21,C22 |
| 1 | 1nF/50V/5%/NPO(COG)/C0603 | C_0603_5MIL_DWS | C18 |
| 1 | 1nF/2000V/10%/X7R/C1206 | C_1206_5MIL_DWS_ISO | C19 |
| 9 | 100nF/50V/20%/Y5V/C0603 | C_0603_5MIL_DWS | C11,C13,C14,C15,C17, C25,C24,C27,C30 |
| 2 | 1uF/10V/10%/X5R/C0603 | C_0603_5MIL_DWS | C31,C32 |
| 1 | 2.2uF/6.3V/10%/X5R/C0603 | C_0603_5MIL_DWS | C16 |
| 1 | 10uF/6.3V/20%/X5R/C0603 | C_0603_5MIL_DWS | C26 |
| 8 | 22uF/6.3V/20%/X5R/C0603 | C_0603_5MIL_DWS | C5,C6,C7,C8,C9,C12,C23,C29 |
| 3 | 47uF/6.3V/20%/X5R/C0805 | C_0805_5MIL_DWS | C2,C4,C10 |
| 1 | 2.2uH/NRS3015T2R2MNGH | CD32 | L2 |
| 3 | 600R/2A/UPZ2012E-601-2R0TF | L_0805_5MIL_DWS | L1,L3,L4 |
| 1 | SMBJ6.0A(DO-214AA) | DO214AA_1(K)-2(A) | D2 |
| 2 | 1N5822/SS34/SMA | SMA-KA | D4,D6 |
| 6 | 1N5819S4(SOD-123) | SOD-123_1C-2A_KA | D1,D3,D5,D7,D8,D9 |
| 2 | BAT54C(SOT23-3) | SOT23-3 | U9,U10 |
| 1 | BAT54A(SOT23-3) | SOT23-3 | D10 |
| 1 | LED/IR333-A/5mm | LED-5mm-PTH-AK | LED3 |
| 1 | LED/Yellow/0603 | LED_0603_KA | CHARGE1 |
| 1 | LED/RED/0603 | LED_0603_KA | PWRLED1 |
| 2 | LED/GREEN/0603 | LED_0603_KA | LED1,LED2 |
| 5 | BC817-40(SOT23) | SOT23 | Q1,Q2,Q4,Q5,Q7 |
| 3 | WPM2015-3/TR | SOT23 | FET1,FET2,FET3 |
| 1 | BSS138 | SOT23 | FET4 |
| 1 | Q12MHz/2P/20ppm/20pF/HU49SM | Q_49U3HMS | Q3 |
| 1 | Q50MHz/25ppm/3V/4P/5x3.2mm | 5032-4P_HCX-3S | CR1 |
| 1 | ESDS314DBVR(SOT-23-5) | SOT-23-5 | TVS1 |
| 1 | ESP32-WROOM-32E-N4 | ESP-WROOM-32_MODULE | U3 |
| 1 | SIT1050T(SOIC-8_150mil) | SOIC-8_150mil | U6 |
| 1 | TP4054-42-SOT25-R | SOT-23-5 | U1 |
| 1 | LAN8710A-EZC(QFN32) | QFN32_EP(33)_5x5x0.9mm_ Pitch_0.5mm | U4 |
| 1 | HX7027(SOT-23) | SOT-23 | U11 |

| | | | |
|---|---|---|---|
| 1 | CH340T(SSOP20W) | SSOP-20W | U5 |
| 1 | SY8089AAAC(SOT23-5) | SOT-23-5 | U2 |
| 1 | VS1838B | RPM7236-H8 | U7 |
| 1 | PWRJ-2mm(YDJ-1134) | PWRJ-2mm(YDJ-1136) | PWR1 |
| 1 | BH10S(B-D-02x5-LF) | UEXT_ML10 | UEXT1 |
| 1 | TB3-3.5mm(HD-351 3P) | TB3-3.5mm | CAN1 |
| 1 | MISB-SWMM-5B-LF | USB-MICRO_MISB-SWMM-5B_LF | USB-UART1 |
| 1 | RJLBC-060TC1(LPJ4013EDNL) | RJLBC-060TC1 | LAN1 |
| 2 | DG306-5.0-3P | TB3-DG306-5.0_3P | CON1,CON2 |
| 1 | DW02R | LIPO_BAT-CON2DW02R | BAT1 |
| 1 | TFC-WXCP11-08-LF | TFC-WXCP11-08-LF | MICRO_SD1 |
| 2 | RAS-0515 (LEG-5) | Relay_RAS-05-15 | REL1,REL2 |
| 2 | T1107A(6x3,8x2,5MM) | T1107A(6x3,8x2,5MM) | BUT1,RST1 |
| 1 | Closed(1-2)/Opened(2-3) | SJ_2_SMALL_12_TIED | 5.0V/3.3V1 |
| 1 | Opened(2-3)/Soldered(1-2) | SJ_2_SMALL | BAT/BUT1 |
| 2 | Opened | SJ | CAN_T1,PHY_RST1 |
| 1 | NA(HN2x20) | HN2x20 | EXT1 |
| 1 | NA(TB2 DG306-5.0-2P) | TB2-DG306-5.0_2P | PWR2 |
| 1 | NA(1k/R0603) | R_0603_5MIL_DWS | R57 |
| 6 | NA/R0603 | R_0603_5MIL_DWS | R44,R54,R48,R46,R17,R12 |
| 2 | NA(47uF/6.3V/20%/X5R/C0805) | C_0805_5MIL_DWS | C3,C1 |
| 1 | NA(FB0805/600R/2A) | L_0805_5MIL_DWS | L5 |
| 1 | NA(470nF/16V/10%/X7R/C0603) | C_0603_5MIL_DWS | C28 |
| 1 | NA(1nF/2000V/10%/X7R/C1206) | C_1206_5MIL_DWS_ISO | C20 |
| 1 | NA(NCP303LSN27T1G) | SOT-23-5 | U8 |