

| Qty | Designation  | Package                                 | Designator                                |
|-----|--|---|---|
| 1   | 0.03R/1%/R1206   | R_1206_5MIL_DWS                         | R28                                       |
| 1   | 4.7R/R0402   | R_0402_5MIL_DWS                         | R33                                       |
| 1   | 10R/R0402  | R_0402_5MIL_DWS                         | R40                                       |
| 4   | 49.9R/1%/R0402   | R_0402_5MIL_DWS                         | R13,R12,R11,R10                           |
| 3   | 220R/R0402   | R_0402_5MIL_DWS                         | R46,R24,R47                               |
| 3   | 1k/R0402   | R_0402_5MIL_DWS                         | R3,R21,R20                                |
| 8   | 2.2k/R0402   | R_0402_5MIL_DWS                         | R6,R35,R31,R5,R15,R14,R8,R41              |
| 2   | 3.3k/R1206   | R_1206_5MIL_DWS                         | R42,R43                                   |
| 1   | 4.42k/1%/1/16W/R0402   | R_0402_5MIL_DWS                         | R27                                       |
| 1   | 5.23k/1%/R0402   | R_0402_5MIL_DWS                         | R34                                       |
| 10  | 10k/R0402  | R_0402_5MIL_DWS                         | R39,R36,R25,R2,R1,R19,R18,<br>R48,R37,R32 |
| 1   | 12.1k/1%/R0402   | R_0402_5MIL_DWS                         | R26                                       |
| 1   | 24.9k/1%/R0402   | R_0402_5MIL_DWS                         | R7  |
| 1   | 30.1k/1%/R0402   | R_0402_5MIL_DWS                         | R38                                       |
| 1   | 47k/R0402  | R_0402_5MIL_DWS                         | R4  |
| 1   | 49.9k/1%/R0402   | R_0402_5MIL_DWS                         | R30                                       |
| 1   | 100k/R0402   | R_0402_5MIL_DWS                         | R9  |
| 1   | 220k/R0402   | R_0402_5MIL_DWS                         | R29                                       |
| 1   | 180k/1%/R0402  | R_0402_5MIL_DWS                         | R23                                       |
| 2   | 470k/R0402   | R_0402_5MIL_DWS                         | R22,R17                                   |
| 3   | RA1206 (4X0603) 4B8 2.2k                                       | R_MATRIX_4                              | RM1,RM2,RM3                               |
| 1   | 12pF/50V/5%/COG/C0402  | C_0402_5MIL_DWS                         | C23                                       |
| 2   | 27pF/50V/5%/C0G/C0402  | C_0402_5MIL_DWS                         | C5,C4                                     |
| 1   | 1nF/50V/10%/X7R/C0402  | C_0402_5MIL_DWS                         | C19                                       |
| 1   | 1nF/2000V/10%/X7R/C1206  | C_1206_5MIL_DWS_ISO                     | C2  |
| 6   | 100nF/16V/10%/X7R/C0402  | C_0402_5MIL_DWS                         | C11,C16,C14,C18,C15,C8                    |
| 2   | 100nF/100V/10%/X7R/C0603                                       | C_0603_5MIL_DWS                         | C24,C12                                   |
| 1   | 1uF/10V/20%/X5R/C0603  | C_0603_5MIL_DWS                         | C20                                       |
| 1   | 2.2uF/6.3V/10%/X5R/C0603                                       | C_0603_5MIL_DWS                         | C17                                       |
| 1   | 15uF/100V/20%/RM2.5/6.3x11mm<br>(Farnell:1281844)              | CPOL-RM2.5mm_6.3x11mm_PTH               | C27                                       |
| 6   | 22uF/6.3V/20%/X5R/C0603  | C_0603_5MIL_DWS                         | C7,C6,C13,C10,C1,C9                       |
| 2   | 47uF/6.3V/20%/X5R/C0805  | C_0805_5MIL_DWS                         | C22,C3                                    |
| 1   | 470uF/10V/20%/Low_ESR/<br>RM2.5/6.0x11mm                       | CPOL-RM2.5mm_6.3x11mm_PTH               | C25                                       |
| 1   | 2.2uH/1.5A/DCR=72mR/20%/3.00x<br>3.00x1.50mm/CD32(NR3015T2R2M) | CD32                                    | L2  |
| 1   | 33uH/2.1A/DCR=0.1R/20%/<br>DBS135(PD3316MT330)                 | DBS135                                  | L4  |
| 3   | FB0805/600R/2A   | L_0805_5MIL_DWS                         | L3,L5,L1                                  |
| 4   | 1N5819S4(SOD-123)  | SOD-123_1C-2A_KA                        | D7,D4,D6,D9                               |
| 1   | SMAJ58A/SMA  | SMA-KA                                  | D8  |
| 1   | SS510/100V/5A/0.85V/DO214AB(SMC)                               | DO214AB(SMC)_1(K)-2(A)                  | D5  |
| 2   | 1N5822/SS34/SMA  | SMA-KA                                  | D3,D1                                     |
| 1   | LED/GREEN/0603   | LED_0603_KA                             | LNK1                                      |
| 2   | LED/YELLOW/0603  | LED_0603_KA                             | ACT1,CHRG1                                |
| 1   | LED/RED/0603   | LED_0603_KA                             | PWR1                                      |
| 1   | BAT54C(SOT23-3)  | SOT23-3                                 | D2  |
| 1   | ESDS314DBVR(SOT-23-5)  | SOT-23-5                                | TVS1                                      |
| 1   | LMUN2211LT1G(SOT-23)   | SOT23                                   | T1  |
| 3   | WPM2015-3/TR   | SOT23                                   | FET3,FET2,FET1                            |
| 2   | BC817-40(SOT23)  | SOT23                                   | Q3,Q2                                     |
| 1   | Q12MHz/20pF/10ppm/4P/3.2x2.5mm                                 | TSX-3.2x2.5mm_GND(3)                    | Q1  |
| 1   | ESP-WROOM-32   | ESP-WROOM-32_MODULE                     | U9  |
| 1   | TPS2375PW(TSSOP-8)   | TSSOP-8_Pitch-0.65mm_4.40x3.00x1.20mm   | U2  |
| 1   | TX4138(ESQIC-8)  | ESQIC-8                                 | U5  |
| 1   | SY8089AAAC(SOT23-5)  | SOT-23-5                                | U7  |
| 1   | LAN8710A-EZC(QFN32)  | QFN32_EP(33)<br>5.00x5.00x0.90mm_0.50mm | U4  |
| 1   | BL4054B-42TPRN(SOT23-5)  | SOT-23-5                                | U3  |
| 1   | CH340T(SSOP20W)  | SSOP-20W                                | U1  |

|   |                               |                                    |             |
|---|-------------------------------|------------------------------------|-------------|
| 1 | RJP-003TC1(LPJ4112CNL)        | RJP-003TC1(LPJ4112CNL)             | LAN_CON1    |
| 1 | DW02R                         | LIPO_BAT-CON2DW02R                 | BAT1        |
| 1 | TFC-9P-1.7H(ATFFS150A01BR016) | uSD(TFC-9P-1.xH(ATFFS150A01BR016)) | MICRO_SD1   |
| 1 | MISB-SWMM-5B-LF(USB_MICRO)    | USB-MICRO_MISB-SWMM-5B_LF          | USB-UART1   |
| 1 | P-B-V-10-LF                   | GBH-254-SMT-10                     | UEXT1       |
| 2 | NS(HN1x10)                    | HN1x10                             | EXT2,EXT1   |
| 2 | IT1185AU2                     | IT1185AU2_V2                       | BUT1,RST1   |
| 1 | Opened                        | SJ_1_SMALLER                       | BAT_SENS_E1 |
| 1 | NA(10k/R0402)                 | R_0402_5MIL_DWS                    | R16         |
| 2 | NA(GG0402052R542P)            | D_0402_5MIL_DWS                    | TVS2,TVS3   |
| 1 | NA(10uF/6.3V/20%/X5R/C0603)   | C_0603_5MIL_DWS                    | C21         |
| 2 | NA/R0402                      | R_0402_5MIL_DWS                    | R44,R49     |