





















nucleum_logger

| Part | Value | Device | Package |
|-------|--------------------|--------------------|-------------------|
| C1 | 4.7uF | CAPACITOR0603_CAP | 0603_CAP |
| C2 | 4.7uF | CAPACITOR0603_CAP | 0603_CAP |
| C3 | 4.7uF | CAPACITOR0603_CAP | 0603_CAP |
| J1 | DM3AT-SF-PEJM5 | DM3AT-SF-PEJM5 | DM3AT-SF-PEJM5 |
| J2 | AA_BAT_PACKSMD | AA_BAT_PACKSMD | AA_SMD |
| J3 | SQUALL_HEADER_BASE | SQUALL_HEADER_BASE | SQUALL_CARRIER |
| L1 | 4.7uH | INDUCTORVLF3012A | VLF3012A |
| LOGO1 | UMICH_SOLID_SMALL | UMICH_SOLID_SMALL | UMICH_SOLID_75MIL |
| Q1 | NX3008PBK | NX3008PBK | SOT23-3 |
| R1 | 10K | RESISTOR | 0603-RES |
| R2 | 10K | RESISTOR | 0603-RES |
| R3 | 10K | RESISTOR | 0603-RES |
| R4 | 10K | RESISTOR | 0603-RES |
| R5 | 100K | RESISTOR | 0603-RES |
| U1 | NUCLEUM | NUCLEUM | NUCLEUM |
| U2 | 3.3V | AAT12173.3V | SOT-23-6 |

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Description DIGIKEY MOUSER

0402 Capacitor 0402 Capacitor 0402 Capacitor

CONN MICRO SD R/A PUSH-PUSH SMD

Types of AA Battery Packs

HR1964CT-ND

36-1012-ND

Header for a sensor board on top of the Squall BLE tag board.

A very specific inductor

H11616CT-ND

445-3225-1-ND

MOSFET - P Channel 568-10499-1-ND 771-NX3008PBK,215

Resistor Resistor Resistor Resistor

Nucleum sensorboard prototyping module.

A Simple boost converter 863-1496-1-ND

| nucl | leum | loggei | r |
|------|-------|--------|---|
| nuc | Culli | 10550 | |

NEWARK

74T4665