

| {Item} | {Quantity} | {Reference} | {Value} | {PHD-PN} | {Vender} | {VPN} | {Manufacturer} | {MPN} | |
|--------|------------|-----------------------|-----------------------|------------|----------|---------------------|------------------------------------|-------------------------|-----------|
| 1 | 1 | BT1 | BATTERY | 671-000004 | Digikey | BC2AAPC-ND | MPD (Memory Protection Devices) | BC2AAPC | Footprint |
| 2 | 1 | C1 | 1uF | 170-000101 | Digikey | 311-1702-6-ND | Yageo | CC0402KRX7R5BB105 | |
| 3 | 3 | C2,C5,C6 | .1uF | 170-000044 | Digikey | 490-3261-2-ND | Murata | GRM155R71C104KA88D | |
| 4 | 1 | C3 | 10uF | 170-000102 | Digikey | 490-13233-1-ND | Murata | GRM155C80J106ME11D | |
| 5 | 1 | C4 | 220uF | 170-000085 | Digikey | 1276-3375-1-ND | Samsung | CL32A227MQVNNNE | |
| 6 | 2 | C7,C10 | 1000pF | 170-000098 | Digikey | 490-1303-1-ND | Murata | GRM155R71H102KA01D | |
| 7 | 1 | C8 | 2.7pF | 170-000099 | Digikey | 490-5934-1-ND | Murata | GRM1555C1H2R7CA01D | |
| 8 | 1 | C9 | 4.7pF | 170-000100 | Digikey | 490-5874-1-ND | Murata | GRM1555C1H4R7CA01D | |
| 9 | 1 | D1 | LED | 121-000011 | Digikey | TLPR5600-ND | Vishay Semiconductor Opto Division | TLPR5600 | |
| 10 | 1 | D2 | BAT54S | 120-000012 | Digikey | 568-1614-6-ND | NXP Semiconductors | BAT54S,215 | |
| 11 | 1 | E1 | ANTENNA | 301-000059 | Digikey | ED5044-ND | Mill-Max-Manufacturing-Corp. | 0667-0-15-01-30-27-10-0 | DNS |
| 12 | 1 | JP1 | DPST-Link | 300-000001 | Digikey | 952-2119-ND | Harwin Inc. | M20-9980245 | |
| 13 | 1 | J2 | Program Header | 301-000071 | Digikey | A31115-ND | TE Connectivity AMP Connectors | 3-644456-5 | DNS -MASK |
| 14 | 1 | L1 | 4.7uH | 160-000027 | Digikey | 490-5346-1-ND | Murata | LQH3NPN4R7NJ0L | |
| 15 | 1 | L2 | 120nH | 160-000034 | Digikey | 490-2636-1-ND | Murata | LQG15HSR12J02D | |
| 16 | 1 | L3 | 15nH | 160-000038 | Digikey | 490-6745-1-ND | Murata | LQP15MN15NG02D | |
| 17 | 1 | L4 | 2.7nH | 160-000037 | Digikey | 490-2615-1-ND | Murata | LQG15HS2N7S02D | |
| 18 | 1 | L5 | 4.7nH | 160-000036 | Digikey | 490-2618-1-ND | Murata | LQG15HS4N7S02D | |
| 19 | 2 | L6,L7 | 1.8nH | 160-000035 | Digikey | 490-1127-1-ND | Murata | LQP15MN1N8B02D | |
| 20 | 2 | Q1,Q2 | MOSFET P-CH 50V 130MA | 150-000009 | Digikey | BSS84CT-ND | Fairchild | BSS84 | |
| 21 | 1 | Q3 | MOSFET N-CH 60V | 150-000017 | Digikey | 568-5818-1-ND | NXP Semiconductors | 2N7002P,215 | |
| 22 | 2 | R1,R2 | 0.0R | 165-000002 | Digikey | P0.0ACT-ND | Panasonic | ERJ-6GEY0R00V | |
| 23 | 1 | R3 | 1M | 165-000123 | Digikey | 311-1.00MLRCT-ND | Yageo | RC0402FR-071ML | |
| 24 | 1 | R4 | 180K | 165-000124 | Digikey | 311-180KLRCT-ND | Yageo | RC0402FR-07180KL | |
| 25 | 6 | R5,R8,R10,R11,R15,R16 | 10K | 165-000105 | Digikey | 311-10.0KLRCT-ND | Yageo | RC0402FR-0710KL | |
| | 1 | R9 | 10K | 165-000105 | Digikey | 311-10.0KLRCT-ND | Yageo | RC0402FR-0710KL | DNS |
| 26 | 2 | R6,R7 | 47K | 165-000122 | Digikey | 311-47.0KLRCT-ND | Yageo | RC0402FR-0747KL | |
| 27 | 1 | R12 | 4K7 | 165-000121 | Digikey | RMCF0402JT4K70CT-ND | Stackpole Electronics Inc. | RMCF0402JT4K70 | |

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|----|---|---------------------------------|-----------------|------------|---------|-------------------------|---------------------------------|--------------------------|-----|
| 28 | 1 | R13 | 10R | 165-000096 | Digikey | P10GCT-ND | Panasonic Electronic Components | ERJ-3GEYJ100V | |
| 29 | 1 | R14 | 1K | 165-000106 | Digikey | 311-1.00KLRCT-ND | Yageo | RC0402FR-071KL | |
| 30 | 1 | TB1 | 2 Position | 301-000070 | Digikey | ED10561-ND | On Shore Technology Inc. | OSTVN02A150 | |
| 31 | 8 | TP1,TP2,TP3,TP4,TP5,TP6,TP7,TP8 | T POINT R | <PHD-PN> | | | | | DNS |
| 32 | 1 | U1 | TLV61220DBVR | 151-000016 | Digikey | 296-30547-1-ND | Texas Instruments | TLV61220DBVR | |
| 33 | 1 | U3 | PIC12LF1840T39A | 115-000012 | Digikey | PIC12LF1840T39A-I/ST-ND | Microchip Technology | PIC12LF1840T39A-I/ST | |
| 34 | 1 | U4 | DS18B20U | 116-000021 | Digikey | DS18B20U+-ND | Maxim Integrated | DS18B20U+ | |
| 35 | 1 | X1 | 26MHz | 140-000016 | Digikey | 535-10276-1-ND | Abracon LLC | ABM8G-26.000MHZ-18-D2Y-T | |