| REF | VALUE | DESC | PRICE/1000 | ASSY_STATUS | SUPPLIER_1 | SUPPLIER_2 |
|---|---|---|---|---|---|---|
| B1 | CR_2032 | HOLDER BATT CR2032 | 0.230 | Y | Mouser 712-BAT-HLD-001 | Digikey BAT-HLD-001-ND |
| C1 | 22 pF | CAP CER SMD 0402 22 5 NPO | 0.04 | Y | Mouser 581-04023U220JAT2A | |
| C2 | 22 pF | CAP CER SMD 0402 22 5 NPO | 0.04 | Y | Mouser 581-04023U220JAT2A | |
| C3 | 12 pF | CAP CER SMD 0603 12 5 NPO | 0.0103 | Y | Mouser 81-GRM39C120J50 | Digikey 490-1405-1-ND |
| C4 | 12 pF | CAP CER SMD 0603 12 5 NPO | 0.0103 | Y | Mouser 81-GRM39C120J50 | Digikey 490-1405-1-ND |
| C5 | 12 pF | CAP CER SMD 0603 12 5 NPO | 0.0103 | Y | Mouser 81-GRM39C120J50 | Digikey 490-1405-1-ND |
| C6 | 12 pF | CAP CER SMD 0603 12 5 NPO | 0.0103 | Y | Mouser 81-GRM39C120J50 | Digikey 490-1405-1-ND |
| C8 | .01 uF | CAP CER SMD .01 10 X7R 16V | 0.015 | Y | Mouser 81-GRM18R71C103KA01D | Digikey 490-1525-1-ND |
| C9 | 4.7 uF | CAP CER SMD 4.7uF 10% X7R 25V | 0.11 | Y | Mouser 81-GRM31CR71E475KA88 | Digikey 490-1809-1-ND |
| C10 | 4.7 uF | CAP CER SMD 4.7uF 10% X7R 25V | 0.11 | Y | Mouser 81-GRM31CR71E475KA88 | Digikey 490-1809-1-ND |
| C11 | 22 pF | CAR CER SMD 0402 22 5 NPO | 0.04 | Y | Mouser 581-04023U220JAT2A | |
| C12 | 4.7 uF | CAP CER SMD 4.7uF 10% X7R 25V | 0.11 | Y | Mouser 81-GRM31CR71E475KA88 | Digikey 490-1809-1-ND |
| D1 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D2 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D3 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D4 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D5 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D6 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D7 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D8 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D9 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D10 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D11 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 704-APTL3216SURCK | Digi 754-1165-1-ND |
| D12 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D13 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 581-APTL3216SURCK | Digi 754-1165-1-ND |
| D14 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D15 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D16 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D17 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D18 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D19 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D20 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D21 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D22 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D23 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D24 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D25 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D26 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D27 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D28 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D29 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D30 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D31 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D32 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D33 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D34 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D35 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D36 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D37 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D38 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D39 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D40 | RED | DIODE LED RED 1206 | 0.05 | Y | Mouser 604-APTL3216SURCK | Digi 754-1165-1-ND |
| D45 | S01575 | DIODE SIG SMD 75V 1206 | 0.04 | Y | Mouser 652-CD1206-S01575 | Digi CD1206-S01575CT-ND |
| R1 | 120 | RES CER SMD 0603 120 5 1/10 | 0.0026 | Y | Mouser 667-ERJ-3GEYJ121V | DigiKey P120GCT-ND |
| R2 | 120 | RES CER SMD 0603 120 5 1/10 | 0.0026 | Y | Mouser 667-ERJ-3GEYJ121V | DigiKey P120GCT-ND |
| R3 | 120 | RES CER SMD 0603 120 5 1/10 | 0.0026 | Y | Mouser 667-ERJ-3GEYJ121V | DigiKey P120GCT-ND |
| R4 | 120 | RES CER SMD 0603 120 5 1/10 | 0.0026 | Y | Mouser 667-ERJ-3GEYJ121V | DigiKey P120GCT-ND |
| R5 | 120 | RES CER SMD 0603 120 5 1/10 | 0.0026 | Y | Mouser 667-ERJ-3GEYJ121V | DigiKey P120GCT-ND |
| R6 | 10K | RES CER SMD 0603 10K 5 1/10 | 0.0026 | Y | Mouser 667-ERJ-3GEYJ103V | Digikey P10KGCT-ND |
| R10 | 120 | RES CER SMD 0603 120 5 1/10 | 0.0026 | Y | Mouser 667-ERJ-3GEYJ121V | Digikey P120GCT-ND |
| R12 | 0 | RES CER SMD 0603 0 | 0.0026 | Y | Mouser 667-ERJ-3GEY0R00V | Digikey P0.0GCT-ND |
| R13 | 10K | RES CER SMD 0603 10K 5 1/10 | 0.0026 | Y | Mouser 667-ERJ-3GEYJ103V | Digikey P10KGCT-ND |
| R14 | 0 | RES CER SMD 0603 0 | 0.0026 | Y | Mouser 667-ERJ-3GEY0R00V | Digikey P0.0GCT-ND |
| S1 | RESET | SW PB SMD N.O. | 0.25 | Y | Mouser 667-EVQQ2P02W | Digikey P12943SCT-ND |
| U1 | ATMEGA128RFA1 | IC MICROCONT RF 2450 | 5.28 | Y | Mouser 556-ATMEGA128RFA1-ZU | Digi ATMEGA128RFA1-ZU-ND |

| Y1 | 16.000 MHz | XTAL 16 MHZ | 0.5 | Y | Mouser 815-ABMM-16-B2-T | DigiKey 535-9155-1-ND |
| Y2 | 32.768 KHz | XTAL RTC 32768 | 0.8 | Y | Mouser 520-ECS327-12.5-17X-TR | DigiKey XC1195CT-ND |
| | | *TOTAL ACTIVE PART COST* | 9.6322 | (500 pc. Estimate) | | |

**NON-ITEMIZED PARTS**

| BATTERY,  CR-2032 | BATTERY,  CR-2032 | 0.280 | Y | | Diigikey P189-ND |
| BOARD, PC, THOTCO | Printed Circuit, each | 3.000 | Y | Engineer's 500 pc. Estimate. | |
| | *TOTAL NON-ITEMIZED COST* | 3.280 | | | |

| *GRAND TOTAL DEFAULT CONFIG.* | *12.912* |
|---|---|