**P11412 UV water Treatment Team**

**Bill of Materials-B9**

| | Part Name | Material | Manuf. Method | Manufacturer | Manufacturer Part # | Distributor | Distributor Part # | Quantity Needed | Unit MFG Time (hrs) | Total MFG Time (hrs) | Quantity Ordered | Unit Price | Total Price | Lead Time (weeks) | Owner | Status | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Electrical | V compare | | Purchased | National Semiconductor | LM311N/NOPB | digikey | LM311NNS-ND | 3 | | | | 0.98 | | 1 | | | |
| | 1M | | Purchased | Vishay | CMF551M0000FHEB | digikey | CMF1.00MHFTR-ND | 3 | | | | 0.17 | | 1 | | | |
| | NMOS | | Purchased | Infineon Technologie | BSS87 L6327 | digikey | BSS87L6327INTR-ND | 3 | | | | 0.83 | | 1 | | | |
| | 11v ZENER | | Purchased | Diodes inc | DDZ11BSF-7 | digikey | FLZ12VCCT-ND | 1 | | | | 0.23 | | 1 | | | |
| | GREEN LED | | Purchased | Vishay | VLWTG9600 | digikey | 751-1248-5-ND | 1 | | | | 1.03 | | 1 | | | |
| | 160Ω | | Purchased | Yageo | CFR-50JB-160R | digikey | 160H-ND | 1 | | | | 0.062 | | 1 | | | |
| | RED LED | | Purchased | Avago Technologies US Inc. | HSMS-A100-J00J1 | digikey | 516-2125-2-ND | 1 | | | | 0.48 | | 1 | | | |
| | 470Ω | | Purchased | Yageo | CFR-50JB-470R | digikey | 470H-ND | 1 | | | | 0.062 | | 1 | | | |
| | yellow led | | Purchased | OSRAM Opto | LY E67F-ABBB-46-1-Z | digikey | 475-2907-1-ND | 1 | | | | 0.44 | | 1 | | | |
| | 196Ω | | Purchased | Vishay | CMF55196R00FHEB | digikey | CMF196HFCT-ND | 1 | | | | 0.16 | | 1 | | | |
| | buck | | Purchased | Diodes Inc | AP1501 | digikey | | 1 | | | | 5.94 | | 1 | | | |
| | 22uH | | Purchased | Bourns Inc. | SDR1806-220ML | digikey | | 1 | | | | 0.91 | | 1 | | | |
| | .1uF | | Purchased | skycap | SR215E104MAR | digikey | | 2 | | | | 0.15 | | 1 | | | |
| | DIODE SCHOTTKY | | Purchased | Comchip Technology | SB5100E-G | digikey | | 1 | | | | 0.176 | | 1 | | | |
| | 1kΩ | | Purchased | Stackpole Electronics Inc | RNF12FTD1K00 | digikey | | 1 | | | | 0.165 | | 1 | | | |
| | 3kΩ | | Purchased | Panasonic - ECG | ERD-S1TJ302V | digikey | | 1 | | | | 0.14 | | 1 | | | |
| | 100kΩ | | Purchased | Panasonic - ECG | ERO-S2PHF1003 | digikey | RNF14FTD100KCT-ND | 3 | | | | 0.15 | | 1 | | | |
| | 4.99k | | Purchased | Stackpole Electronics Inc | RNF14FTD4K99 | digikey | RNF14FTD4K99CT-ND | 1 | | | | 0.15 | | 1 | | | |
| | 10K | | Purchased | Panasonic - ECG | ERO-S2PHF1002 | digikey | P10.0KCACT-ND | 1 | | | | 0.15 | | 1 | | | |
| | 15k | | Purchased | Panasonic - ECG | ERO-S2PHF1502 | digikey | P15.0KCACT-ND | 1 | | | | 0.15 | | 1 | | | |
| Mechanical Subsystem | FlyWheel Body | Plastic | | | | | | 1 | | | | | | | | | |
| | FlyWheel Lid | Plastic | | | | | | 1 | | | | | | | | | |
| | hex cap screw 1/4-20 x 0.75 | | | | 92979A118 | | | 4 | | | | | | | | | |
| | hex nut 1/4 - 20 | | | | 94831A029 | | | 4 | | | | | | | | | |
| | driveshaft | | | | | | | 1 | | | | | | | | | |
| | 1-3/8 washer | | | | 97063A129 | | | 1 | | | | | | | | | |
| | Cotter Pin | | | | 98338A280 | | | 1 | | | | | | | | | |
| | **Totals** | | | | | | | | | **0** | | **$ -** | | | | | |

* Shipping Not Included

| Legend | |
|---|---|
| | Ready to order |
| | Know what needs to be |
| | Do not know all info. and |