

Bill of Materials - PowerPole Distribution Strip

| Description | MFR | Vendor | P/N | Qty | Cost | Extension | Notes |
|-----------------------|----------------|--------|-----------------|-----|---------|-----------|-------------------------------------|
| PP15/45 RED Housing | Anderson Power | Mouser | 1327-BK | 6 | \$ 0.50 | \$ 3.00 | Purchased in Qty 100 for this price |
| PP15/45 BLK Housing | Anderson Power | Mouser | 1327G6-BK | 6 | \$ 0.51 | \$ 3.06 | Purchased in Qty 100 for this price |
| PP15/45 PCB Pin, 45A | Anderson Power | Mouser | 1335-G1 | 12 | \$ 0.77 | \$ 9.18 | Purchased in Qty 100 for this price |
| Fuse Holder, ATC PCB | Keystone | Mouser | 3557-2 | 1 | \$ 0.83 | \$ 0.83 | Purchased in Qty 25 for this price |
| LED, Bi-Color (R/G) | KingBright | Mouser | WP57EGW | 1 | \$ 0.21 | \$ 0.21 | Purchased in Qty 100 for this price |
| Resistor THT 1/2 W 1k | Yageo | Mouser | CFR-50JB-52-1k | 1 | \$ 0.03 | \$ 0.03 | Purchased in Qty 100 for this price |
| Resistor THT 1/2 2.2k | Yageo | Mouser | CFR-50JB-52-2k2 | 2 | \$ 0.03 | \$ 0.06 | Purchased in Qty 100 for this price |
| Fuse, ATC, 10 to 40 A | Any | Any | N/A | 1 | \$ 1.00 | \$ 1.00 | User preference for fuse value |
| PC Board, X031626 | JLC PCB | Mouser | X031626 | 1 | \$ 2.50 | \$ 2.50 | For Qty 20, lead time is 2 weeks |

Total per Unit \$ 19.87

Parts Order of Bulk Components

Number of Units: 20

| Description | MFR | Vendor | P/N | Cost | Qty per Unit | Qty to Purchase | Extension @ Units |
|-----------------------|----------------|--------|-----------------|---------|--------------|-----------------|-------------------|
| PP15/45 RED Housing | Anderson Power | Mouser | 1327-BK | \$ 0.50 | 6 | 120 | 60.00 |
| PP15/45 BLK Housing | Anderson Power | Mouser | 1327G6-BK | \$ 0.51 | 6 | 120 | 61.20 |
| PP15/45 PCB Pin, 45A | Anderson Power | Mouser | 1335-G1 | \$ 0.77 | 12 | 240 | 183.60 |
| Fuse Holder, ATC PCB | Keystone | Mouser | 3557-2 | \$ 0.83 | 1 | 20 | 16.60 |
| LED, Bi-Color (R/G) | KingBright | Mouser | WP57EGW | \$ 0.21 | 1 | 20 | 4.20 |
| Resistor THT 1/2 W 1k | Yageo | Mouser | CFR-50JB-52-1k | \$ 0.03 | 1 | 20 | 0.60 |
| Resistor THT 1/2 2.7k | Yageo | Mouser | CFR-50JB-52-2k7 | \$ 0.03 | 2 | 40 | 1.20 |
| Fuse, ATC, 10 to 40 A | Any | Any | N/A | \$ 1.00 | 1 | 20 | 20.00 |
| PC Board, X031626 | JLC PCB | Mouser | X031626 | \$ 2.50 | 1 | 20 | 50.00 |

Total Cost of Parts to Buy: \$397.40