

TOWER LIGHT MONITOR PARTS LIST

| ITEM NO. | QTY | SITE(S) | DESCRIPTION | MANUFACTURER | PART NUMBER | VENDOR | STOCK NUMBER |
|----------|-----|-------------|----------------------------|---------------|-------------------|-------------|----------------|
| 1 | 1 | BR1 | 1A/400V Bridge Rectifier | Diodes, Inc | DF04 | Digi-Key | DF04MDI-ND |
| 2 | 6 | C1-3,7,8,CA | 4700pF/100V Cer Disc Cap | BC Components | D472K33Y5PH63L6R | Digi-Key | 1449PH-ND |
| 3 | 1 | C4 | 3300uF/25V Elect Cap | Panasonic | ECA-1EHG332 | Digi-Key | P5546-ND |
| 4 | 2 | C5,6 | 1uF/35V Tant Cap | AVX | TAP105K035SCS | Digi-Key | 478-1835-ND |
| 5 | 1 | CT | 30A Current Transformer | Talema | AC1030 | Digi-Key | TE1030 |
| 6 | 2 | D1,2 | 1N5231 5.1V 1/2W | Diodes, Inc | 1N5231 | Digi-Key | 1N5231BDICT-ND |
| 7 | 8 | DS1-8 | Green LED T1 | Lumex | SSL-LX3044GD | Digi-Key | 67-1060-ND |
| 8 | 2 | L1,2 | Jumper | | | | |
| 9 | 2 | PB1 | N.O. Pushbutton | Omron | B3F-1000 | Digi-Key | SW400-ND |
| 10 | 1 | R1 | 332 Ohm 1/4W 1% Film | Yageo | | Digi-Key | 332XBK |
| 11 | 1 | R2 | 63.4 Ohm 1/4W 1% Film | Yageo | | Digi-Key | 63.4XBK |
| 12 | 2 | R3,4 | 10.0K Ohm 1/4W 1% Film | Yageo | | Digi-Key | 10.0KXBK |
| 13 | 1 | R5 | 470 Ohm 1/4W 5% Carbon | Yageo | | Digi-Key | 470QBK-ND |
| 14 | 1 | R6 | 330 Ohm 1/4W 5% Carbon | Yageo | | Digi-Key | 330QBK-ND |
| 15 | 1 | RN1 | 8 Pin Bussed 2.2K Ohm | Bourns | 4608X-1-222 | Digi-Key | 4608X-1-222-ND |
| 16 | 1 | RN2 | 8 Pin Bussed 100 Ohm | Bourns | 4608X-1-101 | Digi-Key | 4608X-1-101-ND |
| 17 | 1 | S1 | 4 Position DIP Switch | CTS | 206-4 | Digi-Key | CT2064-ND |
| 18 | 3 | TB1,2,TBA | 2 Position Terminal Block | Weidmuller | 1716020000 | Digi-Key | 281-1435-ND |
| 19 | 1 | TB3 | 10 Position Terminal Block | Weidmuller | 999398 | Digi-Key | 281-1440-ND |
| 20 | 1 | U1 | 5-Volt Regulator | National | LM340T-5.0 TO-220 | Digi-Key | LM340T-5.0-ND |
| 21 | 1 | U2 | Microprocessor | Microchip | PIC18F1320 | FM Services | PIC18F1320-I/P |
| 22 | 2 | U3,4 | Quad Optoisolator | NEC | PS2501-4 | Digi-Key | PS2501A-4-ND |
| 23 | 1 | XBR1 | 6 DIP IC Socket | AMP | 182593-1 | Digi-Key | A32868-ND |
| 24 | 1 | XU1 | 18 DIP IC Socket | AMP | 1825093-4 | Digi-Key | A32870-ND |
| 25 | 2 | XU3,4 | 16 DIP IC Socket | AMP | 1825093-5 | Digi-Key | A32871-ND |
| 26 | 1 | PS1 | 9VDC/300mA Power Supply | Xicon | 109033 | Mouser | 412-109033 |
| 27 | 1 | | Clear Enclosure | Hammond | 1591DTCL | Digi-Key | HM960 |
| 28 | 1 | | Card Adapter | Hammond | 1591Z6 | Digi-Key | HM204 |
| 29 | 1 | | Monitor PCB | FM Services | Towermon.pcb | FM Services | |