

## 1606 EMS BOM

| Reference | Package                              | Value            | Quantity |
|-----------|--------------------------------------|------------------|----------|
| R2,R4,R5  | 1/4W 1% Metal Film Resistor          | 1K               | 3        |
| R1,R6,R7  | 1/4W 1% Metal Film Resistor          | 10K              | 3        |
| R3        | 1/4W 1% Metal Film Resistor          | 20K              | 1        |
| C1        | Multilayer Ceramic Capacitor         | 100nF            | 1        |
| C2        | Electrolytic Radial Capacitor        | 10uF             | 1        |
| D9,D8     | Signal Diode                         | 1N4148           | 2        |
| D7        | Rectifier Diode                      | 1N4004           | 1        |
| D1,D2     | Flat Top LED                         | 3mm Diffused Red | 2        |
|           | Miniature Bulb                       | 3mm              | 1        |
| Q1        | Transistor TO-92                     | 2N3904           | 1        |
|           | Finder 40.52.7.012/Omron G2R-2 Relay | 12V DPDT         | 1        |
|           | Finder 95 Relay Socket               | DPDT 95.15       | 1        |
|           | Momentary Miniature Push Switch      | SPST             | 1        |
|           | Heatshrink                           | 8mm              | 3        |
| J1        | 3.5mm Jack Socket                    | THONKICONN       | 4        |
|           | Socket/Switch Nuts                   |                  | 5        |
|           | 3362P Trimmer                        | 10K (103)        | 1        |
| J5        | Male Pin Header                      | 4 PIN            | 2        |
| J8        | Female Pin Header                    | 4 PIN            | 2        |
| U2        | Male Pin Header                      | 2 x 5 PIN        | 1        |
|           | Female to Female Threaded Standoff   | M2 x 10mm        | 2        |
|           | Male to Female Threaded Standoff     | M2 x 11mm        | 2        |
|           | Slotted Screw                        | M2 x 6mm         | 4        |