

ESP-01 Control Board

Bill of Materials

| Ref | Description |
|------------|----------------------------|
| C1 | Capacitor, 100uF, 25V |
| C2 | Capacitor, 220nf, 50V |
| C3 | Capacitor, 470nf, 50V |
| D1 | Bridge Rectifier, 100V, 1A |
| F1 | Fuse, 5A, 3AG |
| J1 | Header, 2x1 |
| J2 | Header, 3x1 |
| JP1 | Header, 3x2 |
| MOD1 | ESP-01 Module |
| Q1 | 2N7000, N-MOSFET |
| R1 | Resistor, 15K Ohm |
| R2 | Resistor, 15K Ohm |
| RL1 | Relay, SSR-25 |
| RV1 | Varistor, 130V, 56J |
| SW1 | Switch, pushbutton, SPST |
| TB1 | Terminal Block, 4 position |
| TB2 | Terminal Block, 4 position |
| U1 | AS1117 Voltage Regulator |