

| S.No | Name | Designator | Footprint | Quantity | Pins |
|------|---|------------|------------------------------------|----------|------|
| 1 | LM2596T-3.3 (Buck Converter IC) | U6 | TO-220-5L_L10.2-W4.5-P1.71-L | 1 | 5 |
| 2 | L-11PHC 100μ (Inductor) | U7 | 11PHC-RM5-12D | 1 | 2 |
| 3 | ESP8266 D1 Mini (Controller board) | U8 | ESP8266 D1 MINI | 1 | 16 |
| 4 | MCP2515 (CAN transceiver) | H2 | | 1 | 7 |
| 5 | 1N5822 (Schottky Diode) | D3 | DO-201AD_BD5.3-L8.4-P12.50-D1.4-RD | 1 | 2 |
| 6 | 0.1uF (Capacitor non-polar) | C7, C9 | CAP-TH_L4.8-W3.2-P5.08-D0.5 | 2 | 2 |
| 7 | 470uF (Capacitor polar) | C8, C10 | CAP-TH_BD13.0-P5.00-D0.6-FD | 1 | 2 |
| 8 | JST-XH 2.5mm 4p (4 pin crimp-shell Connector) | P2 | JST-XH 2.5MM 4P | 1 | 4 |
| 9 | 2.5mm plastic spacers for PCB | | | 4 | |
| 10 | 3.25mm spacers for MCP2515 module | | | 4 | |