

WLED Wemos shield BOM

| Name | Value | Manufacturer | Digikey | MPN | QTY |
|-----------------------|---------------------------------|-----------------------------|---------------------|--------------------|-----|
| R1, R3, R4 | 10kOhm | Stackpole Electronics Inc | CF14JT10K0CT-ND | CF14JT10K0 | 3 |
| R2, R5, R6, R7 | 4.7kOhm | Stackpole Electronics Inc | S4.7KQCT-ND | CFM14JT4K70 | 3 |
| C1 | 0.1uF | Kemet | 399-4151-ND | C315C104M5U5TA | 1 |
| C4, C5 | 10uF | TDK Corporation | 445-8262-ND | FK11X7R1E106M | 2 |
| C6 | 470uF 10V | Würth Elektronik | 732-8708-1-ND | 860010273011 | 1 |
| C2 | 1000uF 25V | Nichicon | 493-1065-ND | UVR1E102MPD | 1 |
| Q1 | 2N7000 | ON Semiconductor | 2N7000FS-ND | 2N7000 | 1 |
| D1 | 1N4148 | Vishay Diodes | 1N4148-P-TAPGICT-ND | 1N4148-P-TAP | 1 |
| D2 | 1N5817 | Micro Commercial Co | 1N5817-TPCT-ND | 1N5817-TP | 1 |
| U1 | DS18B20 | Maxim Integrated | DS18B20+-ND | DS18B20+ | 1 |
| F1 | 3568 | Keystone Electronics | 36-3568-ND | 3568 | 1 |
| F2 | 30V 500mA | Littelfuse Inc. | RHEF050HF-ND | RHEF050 | 1 |
| LV1 | SN74AHCT125 | Texas Instruments | 296-4655-5-ND | SN74AHCT125N | 1 |
| K1 | SRD-05VDCSL-C | Songle | Amazon, Aliexpress | SRD-05VDCSL-C | 1 |
| K1 alternate | ORWH-SH-105D1F,000 | TE Connectivity Potter | PB2032-ND | ORWH-SH-105D1F,000 | 1 |
| PS1 | VXO7805-500 | CUI Inc. | 102-4249-ND | VXO7805-500 | 1 |
| X1 | TERM BLK 2P SIDE ENT 5.08MM PCB | Molex | WM4393-ND | 398800302 | 1 |
| X2 | TERM BLK 4P SIDE ENT 5.08MM PCB | Molex | WM13972-ND | 398800304 | 1 |
| H1, H2 | CONN HDR 8POS 0.1 GOLD PCB | Sullins Connector Solutions | S7041-ND | PPPC081LFBN-RC | 2 |
| Headers | CONN HEADER VERT 20POS 2.54MM | Harwin Inc. | 952-3306-ND | M20-9992045 | 1 |
| Jumper | CONN JUMPER SHORTING GOLD | Sullins Connector Solutions | S9001-ND | SPC02SYAN | 1 |
| | | | | | |