

## BOM - WLANThermo Mini v1, ohne Pitmaster

Version: Dez 15  
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 Support: <https://forum.wlanthermo.de>



| Kennung        | Bauteilbezeichnung | Anmerkung                             | Größe   | Menge | Händler                  | enthalten in                       |
|----------------|--------------------|---------------------------------------|---------|-------|--------------------------|------------------------------------|
| IC2            | MCP 3208-CI/P      | 12-bit A/D Converter, 8-Kanal         | DIP-16  | 1     | <a href="#">reichelt</a> | <a href="#">reichelt-Warenkorb</a> |
| IC4            | MAX 604 CPA        | Reference Voltage 3.3V                | DIP-8   | 1     | <a href="#">reichelt</a> | reichelt-Warenkorb                 |
| C2 / C15 / C17 | Z5U-2,5 100N       | Kerko 100N, 20%                       | RM 2.5  | 3     | <a href="#">reichelt</a> | reichelt-Warenkorb                 |
| C3 - C10       | MKS02-63 100N      | Folko 100nF/63V                       | RM 2.5  | 8     | <a href="#">reichelt</a> | reichelt-Warenkorb                 |
| C14 / C16      | SM 10/16RAD        | Elko 10µF/16V, radial                 | RM 1.5  | 2     | <a href="#">reichelt</a> | reichelt-Warenkorb                 |
| R5             | METALL 3,30K       | 3.3K, 1%                              | TH 0207 | 1     | <a href="#">reichelt</a> | reichelt-Warenkorb                 |
| R6 - R13       | MPR 47,0K          | 47K, 0.1%, 0,6W                       | TH 0207 | 8     | <a href="#">reichelt</a> | reichelt-Warenkorb                 |
|                | MPR 100            | 100R, 0.1%, PT100-Umbau               | TH 0207 |       | <a href="#">reichelt</a> | optional                           |
|                | MPR 1,00K          | 1K, 0.1%, PT1000-Umbau                | TH 0207 |       | <a href="#">reichelt</a> | optional                           |
| R17 - R18      | SIL 8-4 1,0K       | 1K, Widerstands-Netzwerk              | SIL8    | 2     | <a href="#">reichelt</a> | reichelt-Warenkorb                 |
| T2             | BC 337-25          | Transistor NPN, 45V, 0.8A, 0.625W     | TO-92   | 1     | <a href="#">reichelt</a> | reichelt-Warenkorb                 |
| K1             | BL 1X20G8 2,54     | Buchsenleiste, 1X20, gerade, H: 8,5mm | RM 2.54 | 2     | <a href="#">reichelt</a> | reichelt-Warenkorb                 |
| K1*            | SL 2X40G 2,54      | Stiftleiste, 2X40, gerade             | RM 2.54 | 1     | <a href="#">reichelt</a> | reichelt-Warenkorb                 |
| K3 / K5 - K12  | PS 25/2G WS        | Steckverbinder, gerade, weiß, 2-polig | RM 2.54 | 9     | <a href="#">reichelt</a> | reichelt-Warenkorb                 |
| K4             | MPE 087-1-020      | Stiftleisten, 1x20, gerade            | RM 2.54 | 1     | <a href="#">reichelt</a> | reichelt-Warenkorb                 |
| K14            | PS 25/3G WS        | Steckverbinder gerade, weiss, 3-polig | RM 2.54 | 1     | <a href="#">reichelt</a> | reichelt-Warenkorb                 |
| K15 / K16      | 433MHz-Funkmodul   |                                       |         | 1     | <a href="#">dx</a>       | optional                           |
| AL1            | SMD-10D05          | Signalgeber, 85 dB, 2700 Hz           | SMD     | 1     | <a href="#">reichelt</a> | reichelt-Warenkorb                 |
| B1             | GS 16P             | IC-Sockel, 16-polig, superflach       | DIP-16  | 1     | <a href="#">reichelt</a> | reichelt-Warenkorb                 |
| B2             | GS 8P              | IC-Sockel, 8-polig, superflach        | DIP-8   | 1     | <a href="#">reichelt</a> | reichelt-Warenkorb                 |

|    |                     |                                  |                            |                               |
|----|---------------------|----------------------------------|----------------------------|-------------------------------|
| B8 | LUM KLB 1           | 2,5mm Mono Klinkenbuchse, Öffner | 8 <a href="#">reichelt</a> | reichelt-Warenkorb            |
| X1 | Raspberry Pi Zero   | nicht Zero W                     | 1 <a href="#">pimoroni</a> | ---                           |
| X2 | WLAN-Adapter        | EDIMAX EW-7811UN                 | 1 <a href="#">reichelt</a> | ---                           |
| X3 | USB-A-Buchse        | USB Type A Female Breakout       | 1 <a href="#">pimoroni</a> | ---                           |
| X4 | Mirco-USB-Buchse    | USB Micro-B Breakout Board       | 1 <a href="#">amazon</a>   | ---                           |
| X5 | Micro-USB-Stecker   | Alternativ ein Micro-USB-Kabel   | 1 <a href="#">pimoroni</a> | ---                           |
| X6 | SD-Karte            | microSDHC 8GB                    | 1 <a href="#">amazon</a>   | ---                           |
| X7 | Netzteil            | 5V, mind. 2A, Micro-USB          | 1 <a href="#">reichelt</a> | optional                      |
| X8 | <b>Batterie</b>     |                                  | 1                          | ---                           |
| M1 | Schraube M4x20      | DIN7985, Edelstahl               | 4                          | <a href="#">Schrauben-Set</a> |
| M2 | Mutter M4           | DIN7985, Edelstahl               | 4                          | Schrauben-Set                 |
| M3 | Schraube M3x25      | DIN7985, Edelstahl               | 4                          | Schrauben-Set                 |
| M4 | Mutter M3           | DIN7985, Edelstahl               | 8                          | Schrauben-Set                 |
| M5 | U-Scheibe M3        | Edelstahl                        | 4                          | Schrauben-Set                 |
| M6 | Scheibenmagnet 20x3 | Neodym                           | 1                          | Schrauben-Set                 |
| P1 | Platine             | 0,8 mm Platinendicke             | 1 <a href="#">github</a>   | ---                           |
| G1 | Gehäuse             |                                  | 1 <a href="#">github</a>   | ---                           |