List of parts:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Name** | **Needed per kit** | **Price per kit** | **#ordered** | **Vendor** | **URL** |
|  | QT Py ESP32-S2 | 1 | 11.25 |  | Adafruit | https://www.adafruit.com/product/5325 |
| Electronics | POVshield |  |  | 15 | JLCPCB |  |
| POVswitchboard |  |  | 30 | JLCPCB |  |
| PDB-switch |  |  | 30 | JLCPCB |  |
| PDB-charge |  |  | 30 | JLCPCB |  |
| 3d printed | midspacer |  |  |  | JLCPCB 3d print |  |
| Spacer |  |  |  | JLCPCB 3d print |  |
| Charge spacer |  |  |  | JLCPCB 3d print |  |
| Switch spacer |  |  |  | JLCPCB 3d print |  |
| Endspacer - charge |  |  |  | JLCPCB 3d print |  |
| Endspacer-switch |  |  |  | JLCPCB 3d print |  |
| tool |  |  |  | DIY |  |
| Connectors | switch | 2 | 0.92 |  | Mouser | https://www.mouser.com/ProductDetail/612-RRA1534400 |
| PCB test point | 1 |  |  | Adafruit | https://www.adafruit.com/product/3825 |
| Charge connector |  | 0.30 | 10 | Aliexpress | https://www.aliexpress.us/item/3256802811672166.html |
| USB C to barrel plug adapter |  |  | 20 | Aliexpress | https://www.aliexpress.us/item/3256804389121490.html |
| Wires | 2-pin XH pigtails | 2 |  |  | Amazon | https://www.amazon.com/gp/product/B096F5LSVL |
| 4-pin 22 AWG wire | 20 cm |  | 10m | Aliexpress | https://www.aliexpress.us/item/2255800087895459.html |
| 2-pin 20 AWG wire | 60cm |  | 10m | Aliexpress |
| 2-pin 24 AWG wire | 60 cm |  | 10m | Aliexpress |
| LED | SK9822 LED strip, 144pixels/m,black, IP30 | 2 | 40.00 |  | Aliexpress | https://www.aliexpress.us/item/2251832136012227.html |
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