



RE_SWC_RevB - BOM
BOM Revision: A
Release: 17/07/2025

| Designator | Qty | Manufacturer | MPN | LCSC PN | Description / Value | Footprint | Datasheet |
|--|-----|--------------------------------------|-----------------------|----------|---------------------|---------------------------|---|
| C101,C102,C105,C109 | 4 | YAGEO | CC0603KRX7R9BB104 | C14663 | 100n | C_0603 | https://lcpcb.com/api/file/downloadByFileSystemAccessId/8579707083955945472 |
| C103,C104 | 2 | Samsung Electro-Mechanics | CL10A106MA8NRNC | C96446 | 10u | C_0603 | https://datasheet.lcsc.com/lcsc/2304140030_Samsung-Electro-Mechanics-CL10A106MA8NRNC_C96446.pdf |
| C106,C107,C108 | 3 | FH (Guangdong Fenghua Advanced Tech) | 0603B103K500NT | C57112 | 10n | C_0603 | https://lcpcb.com/api/file/downloadByFileSystemAccessId/8579707164920893440 |
| R101,R102,R103,R104,R105,R106,R107,R109,R118,R121,R122 | 11 | UNI-ROYAL(Uniroyal Elec) | 0603WAF3300T5E | C23138 | 330R | R_0603 | https://lcpcb.com/api/file/downloadByFileSystemAccessId/8579706223213461504 |
| R110 | 1 | UNI-ROYAL(Uniroyal Elec) | 0603WAF1001T5E | C21190 | 1k | R_0603 | https://lcpcb.com/api/file/downloadByFileSystemAccessId/8579706098733010944 |
| R111,R115,R116,R117,R119,R120 | 6 | UNI-ROYAL(Uniroyal Elec) | 0603WAF5101T5E | C23186 | 5k1 | R_0603 | https://lcpcb.com/api/file/downloadByFileSystemAccessId/8579706277024620544 |
| R112 | 1 | UNI-ROYAL(Uniroyal Elec) | 0603WAF0000T5E | C21189 | 0R | R_0603 | https://lcpcb.com/api/file/downloadByFileSystemAccessId/8578255895094087680 |
| D101,D109 | 2 | Guangdong Hottech | 1N5819WS | C191023 | 1N5819WS | D_SOD-323_HandSoldering | https://lcsc.com/datasheet/lcsc_datasheet_2409300937_Guangdong-Hottech-1N5819WS_C191023.pdf |
| D102,D105,D106 | 3 | ElecSuper | UD032C03L01-ES | C5180209 | UD032C03L01-ES | D_SOD-323_HandSoldering | https://lcsc.com/datasheet/lcsc_datasheet_2504101957_ElecSuper-UD032C03L01-ES_C5180209.pdf |
| D103 | 1 | Hubei KENTO Elec | KT-0603R | C2286 | LED_RED | LED_0603_HandSolder | https://datasheet.lcsc.com/lcsc/1810231112_Hubei-KENTO-Elec-KT-0603R_C2286.pdf |
| D104 | 1 | Hubei KENTO Elec | KT-0603W | C2290 | LED_WHITE | LED_0603_HandSolder | https://lcpcb.com/api/file/downloadByFileSystemAccessId/8560724001388785664 |
| F101 | 1 | BHFUSE | BSMD0603-010-24V | C883089 | BSMD0603-010-24V | Fuse_0603_HandSolder | https://www.lcsc.com/datasheet/lcsc_datasheet_2504101957_BHFUSE-BSMD0603-010-24V_C883089.pdf |
| Q101,Q102,Q103 | 3 | Alpha & Omega Semicon | AO3400A | C20917 | AO3400A NMOS | SOT-23 | https://lcsc.com/datasheet/lcsc_datasheet_2410121838_Alpha--Omega-Semicon-AO3400A_C20917.pdf |
| U101 | 1 | Texas Instruments | TPS70933DBVR | C89347 | TPS70933DBVR | SOT-23-5 | https://lcsc.com/datasheet/lcsc_datasheet_2410121952_TI-TPS70933DBVR_C89347.pdf |
| U102 | 1 | Microchip Tech | ATTINY414-SSNR | C189365 | ATTiny414-SSNR | SOIC-14_3.9x8.7mm_P1.27mm | http://ww1.microchip.com/downloads/en/DeviceDoc/40001912A.pdf |
| U103 | 1 | WCH(Jiangsu Qin Heng) | CH340X | C3035748 | CH340X USB UART | MSOP-10_3x3mm_P0.5mm | https://lcpcb.com/api/file/downloadByFileSystemAccessId/8618866959262109696 |
| U106 | 1 | ST | USBLC6-2SC6 | C7519 | USBLC6-2SC6 | SOT-23-6 | https://lcsc.com/datasheet/lcsc_datasheet_2411121100_TECH-PUBLIC-USBLC6-2SC6_C2827654.pdf |
| J101 | 1 | G-Switch | GT-USB-7010ASV | C2988369 | GT-USB-7010ASV | G-Switch_GT-USB-7010ASV | https://www.usb.org/sites/default/files/documents/usb_type-c.zip |
| J104 | 1 | JST | SM05B-SRSS-TB(LF)(SN) | C136657 | SM05B-SRSS-TB | JST_SH_SM05B-SRSS-TB | https://lcsc.com/product-detail/Wire-To-Board-Connector_JST-SM05B-SRSS-TB-LF-SN_C136657.html#:~:text=Datasheet,JST%20SM05B%20SRSS%20TB(LF)(SN),Custom%20Cables |
| J106 | 1 | JST | SM02B-SRSS-TB(LF)(SN) | C160402 | SM02B-SRSS-TB | JST_SH_SM02B-SRSS-TB | https://www.lcsc.com/datasheet/lcsc_datasheet_2304140030_JST-SM02B-SRSS-TB-LF-SN_C160402.pdf |

Revision Notes
Rev A: Initial release