

| Reference | Quantity | Description | Manufacturer P/N | Vendor | Link |
|---|----------|----------------------------------|----------------------|---------|---|
| U1 U2 U3 U4 | 4 | IC REG BUCK ADJUSTABLE 4A 16VQFN | TLV62095RGTR | Digikey | https://www.digikey.com/product-detail/en/texas-instruments/TLV62095RGTR/296-46277-1-ND/7033452 |
| U5 | 1 | IC REG BOOST 5V 4A 10VSON | TPS61232DRCR | Digikey | https://www.digikey.com/product-detail/en/texas-instruments/TPS61232DRCR/296-44498-1-ND/6110782 |
| U6 | 1 | IC MCU 8BIT 7KB FLASH 16UQFN | PIC16F15324T-I/JQ | Digikey | https://www.digikey.com/product-detail/en/microchip-technology/PIC16F15324T-I-JQ/PIC16F15324T-I-JQCT-ND/7346310 |
| U7 | 1 | IC NVDC CHARGER I2C 24WQFN | BQ25895MRTWR | Digikey | https://www.digikey.com/products/en?keywords=296-42447-1-ND%09 |
| R1 | 1 | RES SMD 44.2K OHM 1% 1/10W 0603 | RC0603FR-0744K2L | Digikey | https://www.digikey.com/product-detail/en/yageo/RC0603FR-0744K2L/311-44.2KHRCT-ND/730188 |
| R2 R4 R6 R8 | 4 | RES SMD 160K OHM 1% 1/10W 0603 | RC0603FR-07160KL | Digikey | https://www.digikey.com/product-detail/en/yageo/RC0603FR-07160KL/311-160KHRCT-ND/729920 |
| R3 | 1 | RES SMD 75K OHM 1% 1/10W 0603 | RC0603FR-0775KL | Digikey | https://www.digikey.com/product-detail/en/yageo/RC0603FR-0775KL/311-75.0KHRCT-ND/730325 |
| R5 | 1 | RES SMD 200K OHM 1% 1/10W 0603 | RC0603FR-07200KL | Digikey | https://www.digikey.com/product-detail/en/yageo/RC0603FR-07200KL/311-200KHRCT-ND/729991 |
| R7 | 1 | RES SMD 510K OHM 1% 1/10W 0603 | RC0603FR-07510KL | Digikey | https://www.digikey.com/product-detail/en/yageo/RC0603FR-07510KL/311-510KHRCT-ND/730233 |
| R9 R10 R11 | 3 | RES 1.2K OHM 1% 1/10W 0603 | RMCF0603FT1K20 | Digikey | https://www.digikey.com/product-detail/en/stackpole-electronics-inc/RMCF0603FT1K20/RMCF0603FT1K20CT-ND/1942999 |
| R12 R13 R17 R18 | 4 | RES SMD 10K OHM 1% 1/10W 0603 | RC0603FR-0710KL | Digikey | https://www.digikey.com/product-detail/en/yageo/RC0603FR-0710KL/311-10.0KHRCT-ND/729827 |
| R14 | 1 | RES SMD 261 OHM 1% 1/10W 0603 | RC0603FR-07261RL | Digikey | https://www.digikey.com/product-detail/en/yageo/RC0603FR-07261RL/311-261HRCT-ND/730042 |
| R15 R16 | 2 | RES SMD 4.7K OHM 1% 1/10W 0603 | RC0603FR-074K7L | Digikey | https://www.digikey.com/product-detail/en/yageo/RC0603FR-074K7L/311-4.70KHRCT-ND/730159 |
| C1 C3 C5 C7 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 | 16 | CAP CER 22UF 6.3V X5R 0805 | CL21A226MQQNNNE | Digikey | https://www.digikey.com/product-detail/en/samsung-electro-mechanics/CL21A226MQQNNNE/1276-1100-1-ND/3889186 |
| C2 C4 C6 C8 | 4 | CAP CER 10000PF 50V X7R 0603 | 06035C103KAT4A | Digikey | https://www.digikey.com/product-detail/en/avx-corporation/06035C103KAT4A/478-10055-1-ND/6564278 |
| C21 | 1 | CAP CER 1UF 25V X7R 0805 | GCM21BR71E105KA56L | Digikey | https://www.digikey.com/product-detail/en/murata-electronics-north-america/GCM21BR71E105KA56L/490-4785-1-ND/1641704 |
| C22 | 1 | CAP CER 0.1UF 25V X5R 0603 | CL10A104KA8NNNC | Digikey | https://www.digikey.com/product-detail/en/samsung-electro-mechanics/CL10A104KA8NNNC/1276-1857-1-ND/3889943 |
| C23 | 1 | CAP CER 0.047UF 25V X7R 0603 | C0603C473K3RACTU | Digikey | https://www.digikey.com/product-detail/en/kemet/C0603C473K3RACTU/399-7931-1-ND/3471654 |
| C24 C26 C27 C28 | 4 | CAP CER 10UF 16V X5R 0805 | CL21A106KOQNNNG | Digikey | https://www.digikey.com/product-detail/en/samsung-electro-mechanics/CL21A106KOQNNNG/1276-6455-1-ND/5958083 |
| C25 | 1 | CAP CER 4.7UF 16V X5R 0603 | CL10A475KO8NNNC | Digikey | https://www.digikey.com/product-detail/en/samsung-electro-mechanics/CL10A475KO8NNNC/1276-1784-1-ND/3889870 |
| L1 L2 L3 L4 L5 | 5 | FIXED IND 1UH 5.1A 27 MOHM SMD | MDWK4040T1R0MM | Digikey | https://www.digikey.com/product-detail/en/taibo-yuden/MDWK4040T1R0MM/587-4447-1-ND/5880037 |
| L6 | 1 | FIXED IND 2.2UH 8A 20 MOHM SMD | ASPI-0630HI-2R2M-T15 | Digikey | https://www.digikey.com/product-detail/en/abracon-llc/ASPI-0630HI-2R2M-T15/ASPI-0630HI-2R2M-T15CT-ND/3060148 |