

| Designator | Value | Footprint | Description | Manufacturer | Manufacturer P/N | Datasheet Web | Supplier Web |
|------------|---------------------------------|-----------------|--|---------------------------|------------------------|---|---|
| C1 | 0.1uF | C0805 | 0.1 μ F \pm 10% 100V Ceramic Capacitor X7R 0805 (2012 Metric) | Murata Electronics | GCM21BR72A104KA37L | https://search.murata.co.jp/Ceramy/image/img/A01X/G101/ENG/GCM033R71A103KA03-01A.pdf | https://www.digikey.com/en/products/detail/murata-electronics/GCM21BR72A104KA37L/1641663?s=N4lgTCBcDaI0IGECyYCMaHAsgdjAQVOAYAWAaTwGzAZEAXQF8g |
| C2, C4, C5 | 0.33uF | C0805 | 0.33 μ F \pm 5% 25V Ceramic Capacitor X7R 0805 (2012 Metric) | KEMET | C0805C334J3RECAUTO7210 | https://content.kemet.com/datasheets/KEM_C1090_X7R_ESD.pdf | https://www.digikey.com/en/products/detail/kemet/C0805C334J3RECAUTO7210/8647991 |
| C3 | 0.047uF | C0805 | 0.047 μ F \pm 5% 25V Ceramic Capacitor X7R 0805 (2012 Metric) | KYOCERA AVX | KGM21NR71E473JT | https://datasheets.kyocera-avx.com/KGM_X7R.pdf | https://www.digikey.com/en/products/detail/kyocera-avx/KGM21NR71E473JT/1602247 |
| D1 | Blue Led 0805 | LED 0805 | Blue 470nm LED Indication - Discrete 3.2V 0805 (2012 Metric) | Würth Elektronik | 150080BS75000 | https://www.wel-online.com/components/products/datasheet/150080BS75000.pdf | https://www.digikey.com/en/products/detail/w%C3%BCrth-elektronik/150080BS75000/4489912 |
| J1 | 1x6 0.1" Right Angle Pin Header | BERG-M-6V-H-INV | Connector Header Through Hole, Right Angle 6 position 0.100" (2.54mm) | Adam Tech | PH1RB-06-UA | https://app.adamtech.com/products/download/datasheet/201281/ph1rb-xx-ua-datasheet.pdf | https://www.digikey.com/en/products/detail/adamtech/PH1RB-06-UA/9830592 |
| J2 | MPT 0,5/ 6-2,54 | 1725698 | 6 Position Wire to Board Terminal Block Horizontal with Board 0.100" (2.54mm) Through Hole | Phoenix Contact | 1725698 | https://www.phoenixcontact.com/en-us/products/printed-circuit-board-terminal-mpt-05-6-254-1725698?type=pdf | https://www.digikey.com/en/products/detail/phoenix-contact/1725698/267466 |
| R1 | 180R | R0805 | 180 Ohms \pm 1% 0.25W, 1/4W Chip Resistor 0805 (2012 Metric) Anti-Sulfur Thin Film | Stackpole Electronics Inc | RNCP0805FTD180R | https://www.seiect.com/catalog/sei-mcp.pdf | https://www.digikey.com/en/products/detail/stackpole-electronics-inc/RNCP0805FTD180R/2240212 |
| U1 | 2/2 RS232 400kbps | SOIC16N | 2/2 Transceiver Full RS232 16-SO | STMicroelectronics | ST3232CDR | https://www.st.com/content/ccc/resource/technical/document/datasheet/group1/40/2c/7f/62/3a/3f/47/3c/CD00002253/files/CD00002253.pdf/jcr:content/translations/en.CD00002253.pdf | https://www.digikey.com/en/products/detail/stmicroelectronics/ST3232CDR/686410?s=N4lgTCBcDaIMoBUDMYUGEAiAIEBdAvkA |