

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