

UART-CP2102N-BOARD

Bill of Materials

2023-04-18 :: Rev 2 :: LibTec Inst.

Reference	Value	Description	Manufacturer	MPN	Mouser #
C1, C3	100n	X7R, 100 VDC, 10%	Samsung	CL21B104KCFNNNE	187-CL21B104KCFNNNE
C2, C4	4u7	X7R, 16 VDC, 10%	Murata	GRM21BR71C475KE1K	81-GRM21BR71C475KE1K
D1	TVSx3	5.5V	Littlefuse	SP0503BAHTG	576-SP0503BAHTG
D2, D3	Yellow	30 mA, 2 V, yellow	Lite-On	LTST-C171KSKT	859-LTST-C171KSKT
J1	USB 2.0 Type-C	16 P, 5 A	GCT	USB4105-GF-A-120	640-USB4105-GF-A-120
J2	PinHeader 1x05 0.1"	6.1 mm, 3 mm, gold	Harwin	M20-9960545	855-M20-9960545
J3	PinHeader 2x05 0.05"	3 mm. 2.3 mm, gold/tin	Harwin	M50-3500542	855-M50-3500542
R1, R2	5k1	125 mW, 1%	Yageo	RC0805FR-075K1L	603-RC0805FR-075K1L
R3, R6, R7	1k	125 mW, 1%	Yageo	RC0805FR-071KL	603-RC0805FR-071KL
R4	22k1	125 mW, 1%	Yageo	RC0805FR-0722K1L	603-RC0805FR-0722K1L
R5	47k5	125 mW, 1%	Yageo	RC0805FR-0747K5L	603-RC0805FR-0747K5L
U1	CP2102N-A02-GQFN20	TX, RX, RTS, CTS	Silicon Labs	CP2102N-A02-GQFN20	634-CP2102NA02GQFN20