

SPI-FLASHER

Bill of Materials

2023-09-27 :: Rev 2 :: LibTec.org

Reference	Value	Description	Manufacturer	MPN	Mouser #
C1, C2, C3, C4	10u	X7R, 10 VDC, 10%	Murata	GRM21BR71A106KA73K	81-GRM21BR71A106KA3K
C5, C6	10p	COG, 250 VDC, 5%	Murata	GCM21A5C2E100JX01D	81-GCM21A5C2E100JX1D
C7	100n	X7R, 100 VDC, 10%	Samsung	CL21B104KCFNNNE	187-CL21B104KCFNNNE
D1	TVSx3	5.5V	Littlefuse	SP0503BAHTG	81-GCM21A5C2E100JX1D
D2, D3	Yellow	30 mA, 2 V, yellow	Lite-On	LTST-C171KSKT	859-LTST-C171KSKT
J1	USB4105	16 P, 5 A	GCT	USB4105-GF-A-120	640-USB4105-GF-A-120
J2	PinHeader_1x06_0.1	straight, 6 mm, 3mm, gold	Wurth	61300611121	710-61300611121
R1, R2	5k1	125 mW, 1%	Yageo	RC0805FR-075K1L	603-RC0805FR-075K1L
R3, R6, R7	1k	250 mW, 1%	Yageo	RC0805FR-7W1KL	603-RC0805FR-7W1KL
R4	22k1	125 mW, 1%	Yageo	RC0805FR-0722K1L	603-RC0805FR-0722K1L
R5	47k5	125 mW, 1%	Yageo	RC0805FR-0747K5L	603-RC0805FR-0747K5L
R8	10k	125 mW, 1%	Yageo	RC0805FR-0710KL	603-RC0805FR-0710KL
U1	CP2102N	TX, RX, RTS, CTS	Silicon Labs	CP2102N-A02-GQFN20	634-CP2102NA02GQFN20
U2	ATmega328P	TQFP-32, -40~85C	Microchip	ATmega328P-AU	556-ATMEGA328P-AU
Y1	8MHz	10 pF, 10/25 ppm	ECS	ECS-80-10-33-CHN-TR	520-ECS-80-1033CHNTR