

Spur v1.0 BOM

Qty.	Refdes	Description	Value	Package	Manufacturer	Manufacturer P/N	Digikey P/N	Unit Price @ Qty 1	Price @ Qty 1	Unit Price @ Qty 100	Price @ Qty 100
2	C1, C2	Capacitor, ceramic, 6.3V	1u	0402	Samsung	CL05A105KQ5NNNC	1276-1010-1-ND	\$0.10000	\$0.20	\$0.00870	\$0.02
5	C3, C8, C9, C10, C11	Capacitor, ceramic, 6.3V	0.1u	0402	Samsung	CL05A104KQ5NNNC	1276-1442-1-ND	\$0.10000	\$0.50	\$0.00850	\$0.04
2	C4, C5	Capacitor, ceramic, 50V	4p	0402	Yageo	CC0402BRNPO9BN4R0	311-3705-1-ND	\$0.10000	\$0.20	\$0.01760	\$0.04
2	C6, C7	Capacitor, ceramic, 10V	4.7u	0402	Samsung	CL05A475MP5NRNC	1276-1482-1-ND	\$0.10000	\$0.20	\$0.00336	\$0.01
1	D1	Zener diode, ESD		0402	ON Semi	NSPU3051N2T5G	NSPU3051N2T5GOSCT-ND	\$0.36000	\$0.36	\$0.13440	\$0.13
1	D2	LED, green		0402	Kingbright	APHHS1005CGCK	754-1101-1-ND	\$0.40000	\$0.40	\$0.16450	\$0.16
1	D3	Diode array, ESD, 2 channel		SOT-886	Nexperia	PRTR5V0U2F,115	1727-4161-1-ND	\$0.49000	\$0.49	\$0.25500	\$0.26
1	PCB1	Bare PCB, 2 layer, 0.6mm, 1oz, ENIG			JLCPCB			\$3.60000	\$3.60	\$0.49500	\$0.50
6	R1, R3, R4, R5, R6, R7	Resistor, thick film, 1%, 1/16W	10K	0402	Yageo	RC0402FR-0710KL	311-10.0KLRCT-ND	\$0.10000	\$0.60	\$0.00580	\$0.03
1	R2	Resistor, thick film, 1%, 1/16W	23K	0402	Yageo	RC0402FR-0722KL	311-22.0KLRCT-ND	\$0.10000	\$0.10	\$0.00580	\$0.01
1	SW1	Slide switch, SPDT		JS102000SAQN	C&K	JS102000SAQN	401-2005-1-ND	\$0.71000	\$0.71	\$0.56960	\$0.57
1	U1	Linear regulator, adjustable, 150mA		SOT-353	Microchip	MIC5377YC5-TR	576-3358-1-ND	\$0.26000	\$0.26	\$0.20000	\$0.20
1	U2	Flash memory, NOR, SPI, 1MiB		8-UDFN	Adesto	AT25SF081B-MAHB-T	1265-AT25SF081B-MAHB-TCT-ND	\$0.40000	\$0.40	\$0.32560	\$0.33
1	U3	Microcontroller, 128KiB flash		48-UFQFN	STmicro	STM32F401CBU6	497-17425-ND	\$4.96000	\$4.96	\$3.64690	\$3.65
1	Y1	Crystal, 24MHz, Cl=12pF		4-SMD	Murata	XRCGB24M000F1H03R0	490-18289-1-ND	\$0.44000	\$0.44	\$0.29100	\$0.29
								Price @ Qty 1:	\$13.42	Price @ Qty 100:	\$6.22