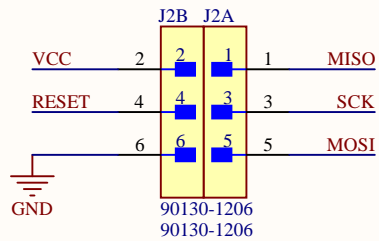
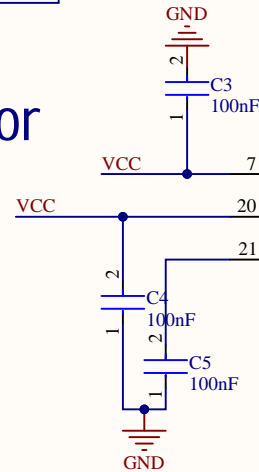
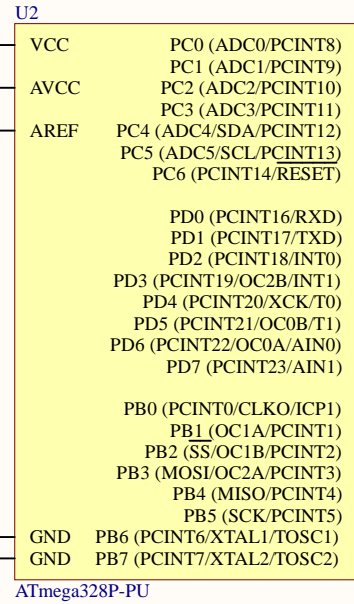


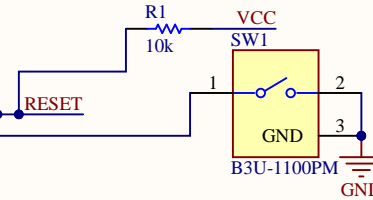
Regulator



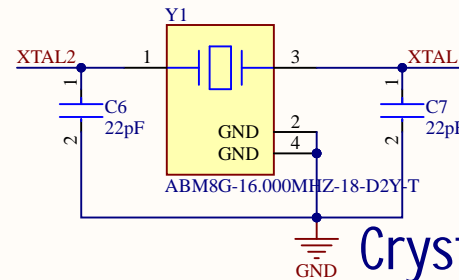
ISP



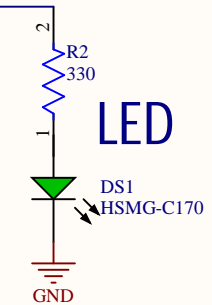
ATmega328P-PU



RESET

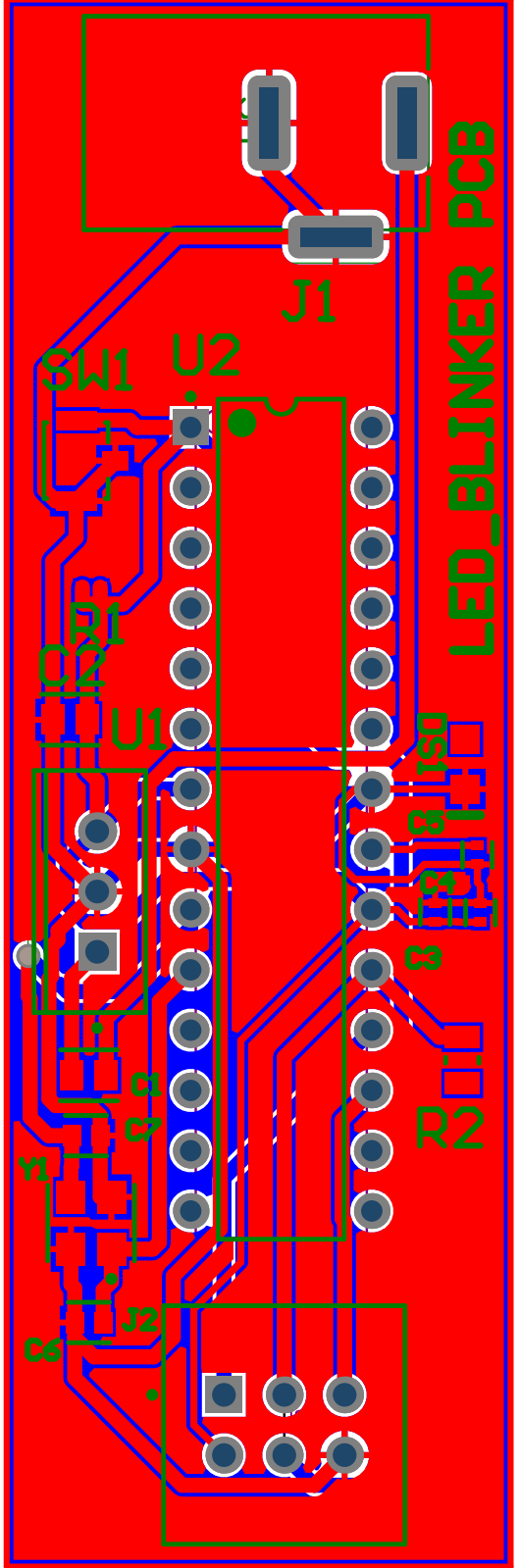


Crystal



LED

Title			
Size	Number		Revision
A			
Date:	7/18/2025		Sheet of
File:	C:\Users\...\LED_B.SchDoc		Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
10uF	Chip Multilayer Ceramic Capacitors for General Purpose, 0805, 10uF, X5R, 15%, 10%, 16V	C1, C2	FP-GRM21B-0_1-IPC_C	CMP-2007-03453-2	2
100nF	CAP CER 0.1UF 16V X7R 0402	C3, C4, C5	FP-GRM15-MFG	CMP-2100-03641-2	3
22pF	CAP CER 22PF 16V 10% NP0 0603	C6, C7	FP-C0603C-CF-MFG	CMP-2006-03465-2	2
HSMG-C170	Chip LED, Green, 2.2 V, -40 to 85 degC, 2-Pin SMD, Pb-Free, Tape and Reel	DS1	AVAG-HSMX-C170_V	CMP-2000-05062-1	1
694108301002		J1	694108301002	CMP-1502-00190-3	1
90130-1206	CONN HEADER VERT 6POS 2.54MM	J2	FP-90130-1206-MFG	CMP-04776-000468-1	1
10k		R1	RESC1005X40X25LL05 T10	CMP-2002-07353-1	1
330	RES Thick Film, 330Ω, 1%, 0.125W, 100ppm/°C, 0805	R2	FP-CRCW0805-e3-MFG	CMP-2001-03823-2	1
B3U-1100PM	SWITCH TACTILE SPST-NO 0.05A 12V	SW1	FP-B3U-1100PM-MFG	CMP-08834-000028-1	1
LM7805CT	Positive Voltage Regulator, 5 V, 1 A, -40 to 125 degC, 3-Pin TO-220, RoHS, Tube	U1	FAIR-TO-220-3	CMP-2000-04938-1	1
ATmega328P-PU	8-bit AVR Microcontroller, 32KB Flash, 1KB EEPROM, 2KB SRAM, 28-pin PDIP, Industrial Grade (-40°C to 85°C)	U2	28P3	CMP-0095-00013-2	1
ABM8G-16.000MHZ-18-D2Y-T	Crystal 16MHz ±20ppm (Tol) ±30ppm (Stability) 18pF FUND 80Ω 4-Pin SMD T/R	Y1	FP-ABM8G-MFG	CMP-27762-006537-2	1