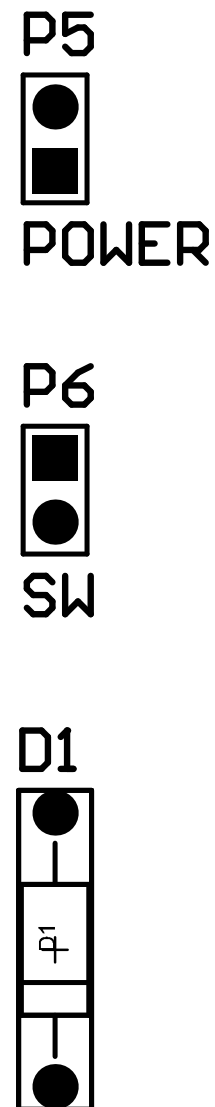
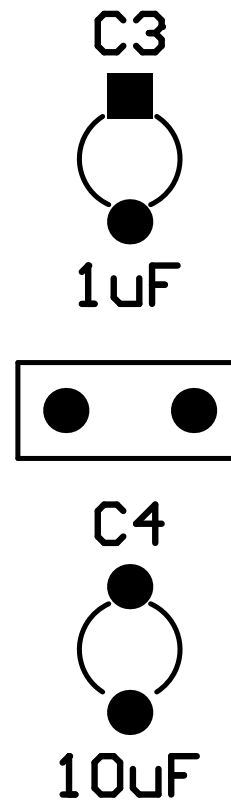
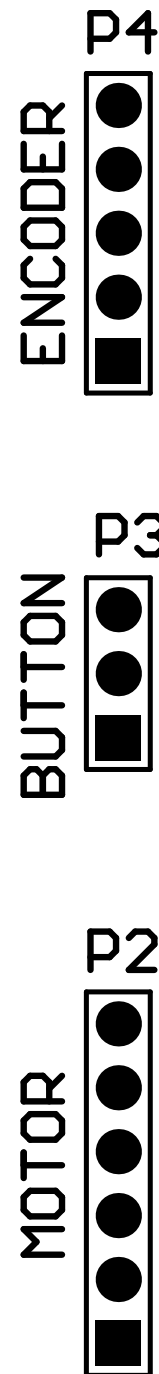
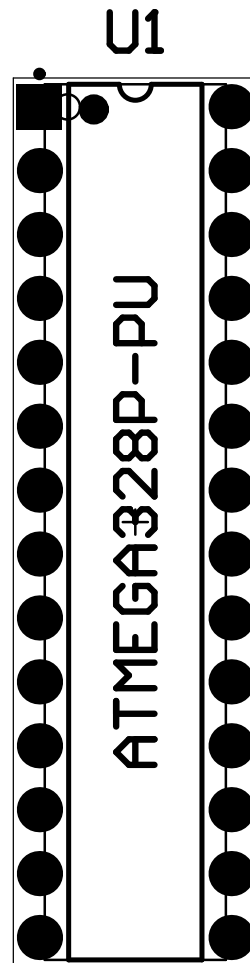
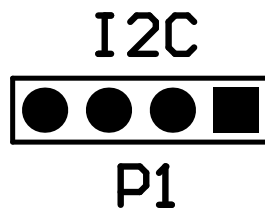
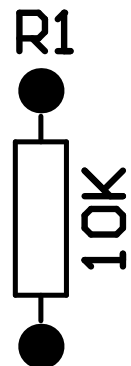
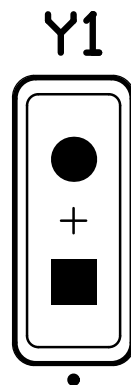
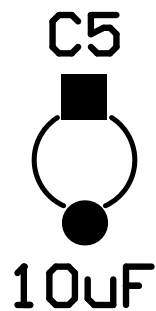
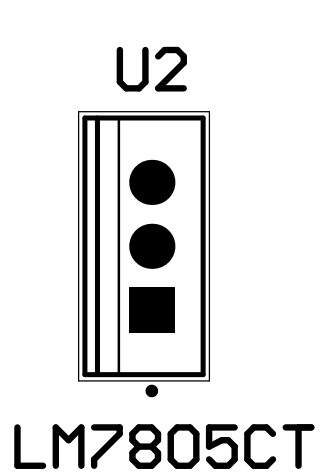
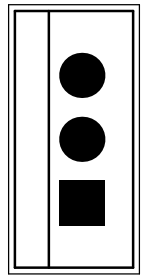
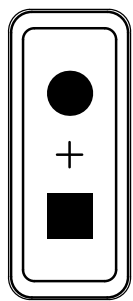
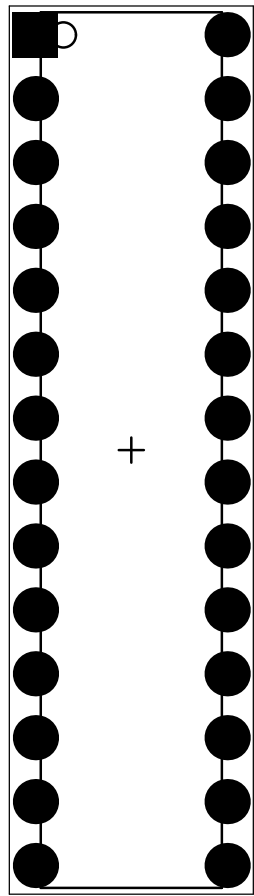
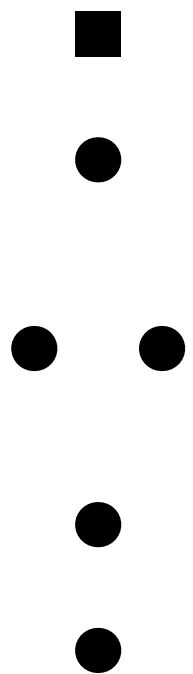
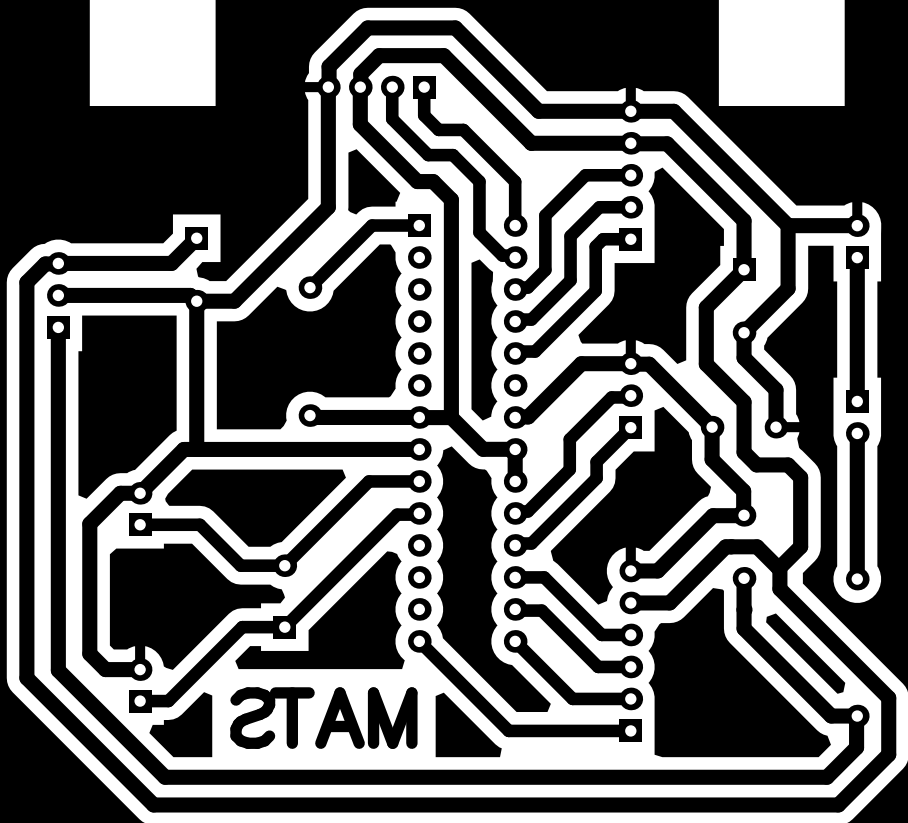


Title		
Size	Number	Revision
Letter		
Date:	10/06/2022	Sheet of
File:	C:\Users\...\Mainboard.SchDoc	Drawn By:







Comment	Description	Designator	Footprint	LibRef	Quantity
22pF	Cap Ceramic 22pF 50V C0G ±5% Radial 2.5mm +125°C Ammo Pack	C1, C2	FP-RCE0DB-MFG	CMP-06035-057691-1	2
1uF	Capacitor	C3	CAPR5-4X5	Cap2	1
10uF	Capacitor	C4, C5	CAPR5-4X5	Cap2	2
1N4007-E3/54	DIODE GEN PURP 1KV 1A DO204AL	D1	FP-1N4007-MFG	CMP-02540-000046-1	1
I2C	Header, 4-Pin	P1	HDR1X4	Header 4	1
MOTOR	Header, 6-Pin	P2	HDR1X6	Header 6	1
BUTTON	Header, 3-Pin	P3	HDR1X3	Header 3	1
ENCODER	Header, 5-Pin	P4	HDR1X5	Header 5	1
POWER	Header, 2-Pin	P5	HDR1X2	Header 2	1
SW	Header, 2-Pin	P6	HDR1X2	Header 2	1
10K	Resistor	R1	AXIAL-0.4	Res2	1
ATMEGA328P-PU	8-Bit Microcontroller with 32 KBytes In- System Programmable Flash, 23 I/Os, -40 to 85 degC, 28-Pin PDIP (28P3), RoHS, Tube	U1	ATML-28P3	CMP-020-00004-3	1
LM7805CT	Positive Voltage Regulator, 5 V, 1 A, - 40 to 125 degC, 3-Pin TO-220, RoHS, Tube	U2	FAIR-TO-220-3	CMP-2000-04938-1	1
16MHz	Resistance Weld Thru- Hole Crystal, 16 MHz, - 20 to 70 degC, 2-Pin THD, RoHS, Bulk	Y1	FOX-FOXSLF160-20	CMP-1749-00003-1	1