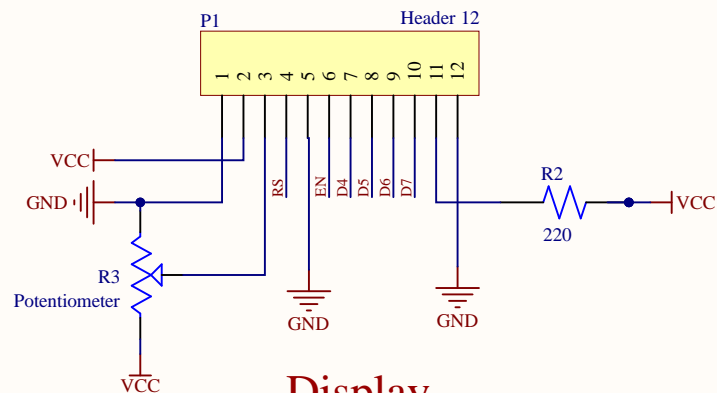
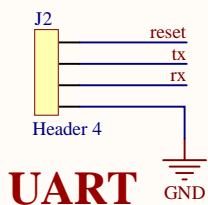


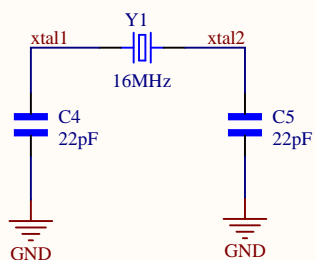
## Power supply UNIT



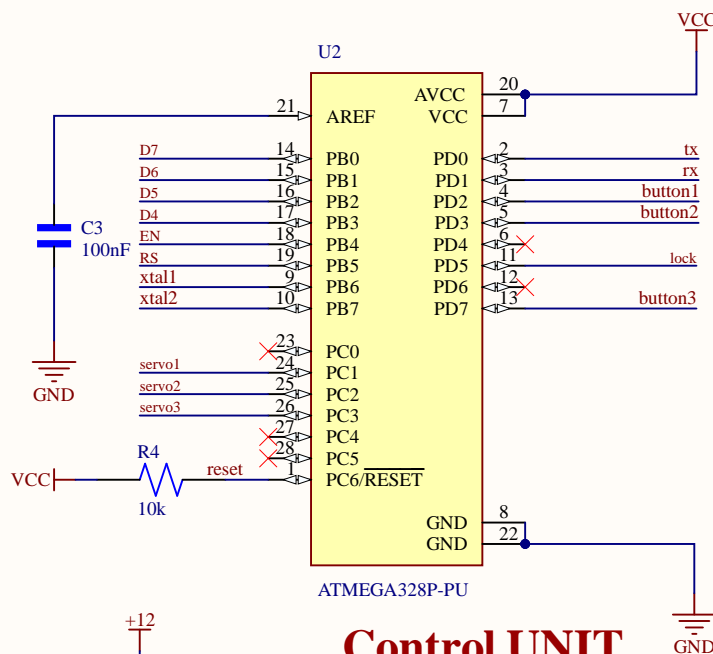
## Display



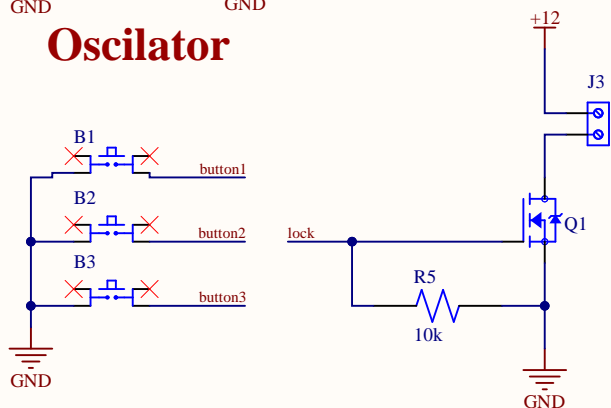
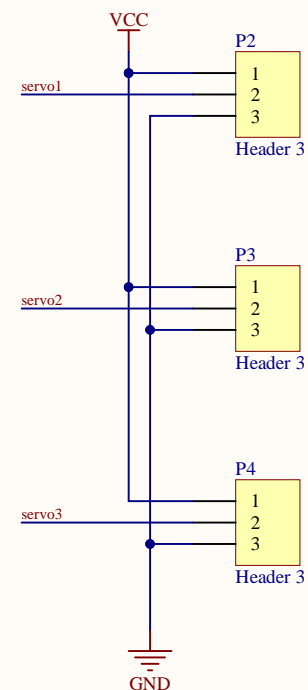
# UART



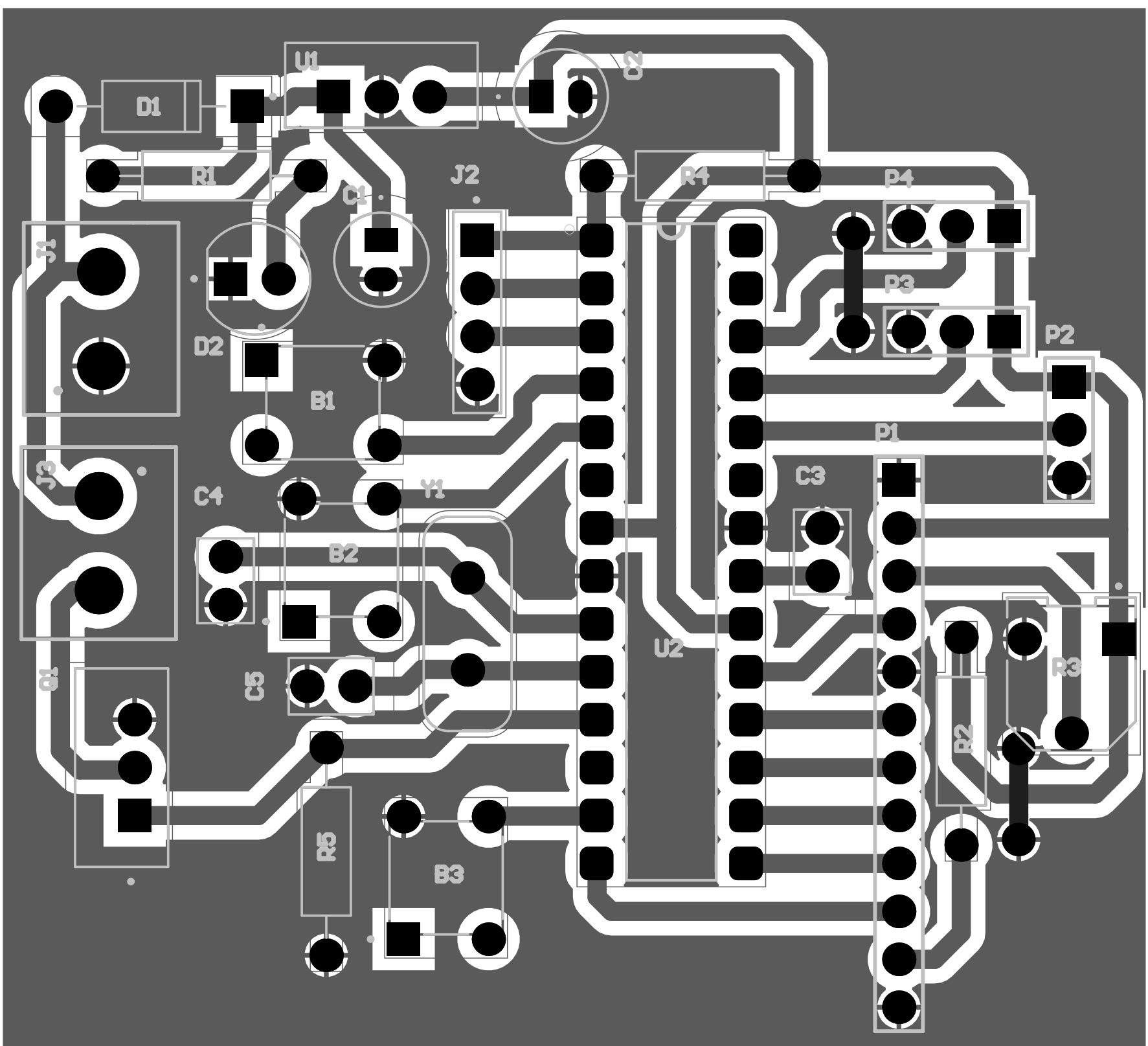
## Oscillator



## Control UNIT



Title		
Size A	Number	Revision
Date:	6-02-2023	Sheet of
File:	V:\Office\...\schematic.SchDoc	Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
Push button		B1, B2, B3	SW_TS02-66-95-BK-260-LCR-D	Push button	3
1000uF	FS-A	C1	CAPPRD500W50D500H1100	Electrolytic capacitor	1
10uF	FS-A	C2	CAPPRD500W50D500H1100	Electrolytic capacitor	1
100nF	2200 pF $\pm 10\%$ 250V Ceramic Capacitor X7R Radial	C3	CAPRB500W50L450T300H550	Ceramic capacitor	1
22pF	2200 pF $\pm 10\%$ 250V Ceramic Capacitor X7R Radial	C4, C5	CAPRB500W50L450T300H550	Ceramic capacitor	2
1N4007	Diode Switching 1KV 1A 2-Pin DO-41	D1	D1OAD1060W80L520D270	1N4007	1
L08R5000Q1	LED, Orange, Through Hole, T-1 3/4 (5mm), 30 mA, 2.1 V, 635 nm	D2	LEDRD254W57D500H1070	LED	1
691111710002	2 Position Wire to Board Terminal Block Horizontal with Board 0.197 _5.00mm_ Through Hole	J1, J3	691111710002	Terminal Block - 2Pins	2
Header 4	4 Position Header Connector Through Hole	J2	SULLINS_PPTC041LFB N-RC	Female header - 4Pins	1
Header 12	Header, 12-Pin	P1	HDR1X12	Header 12	1
Header 3	Header, 3-Pin	P2, P3, P4	HDR1X3	Header 3	3
N-Channel mosfet	N-Channel 100V 22A (Tc) 85W (Tc) Through Hole TO-220AB	Q1	TO254P1052X465X1989-3	IRF540	1
1k	(MFR-25F52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwidertand Axial Metal Film	R1	RESAD1100W55L680D260	Resistor (0.25W)	1
220	(MFR-25F52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwidertand Axial Metal Film	R2	RESAD1100W55L680D260	Resistor (0.25W)	1
Potentiometer	(3306F-1-105) 1 MOhms 0.2W, 1/5W PC Pins Through Hole Trimmer Potentiometer Cermet 1 Turn Top Adjustment	R3	TRIM_3306F-1-105	Potentiometer1	1
10k	(MFR-25F52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwidertand Axial Metal Film	R4, R5	RESAD1100W55L680D260	Resistor (0.25W)	2
LM78__		U1	TO255P1020X450X1968-3	LM78__	1
ATMEGA328P-PU	ATmega Series 20 MHz 32 KB Flash 2 KB SRAM 8-Bit Microcontroller - DIP-28	U2	DIP794W46P254L2967H457Q28B	ATMEGA328P-PU	1
16MHz	CRYSTAL T/H	Y1	XTAL_ECS-160-20-4X	Crystal oscilator	1