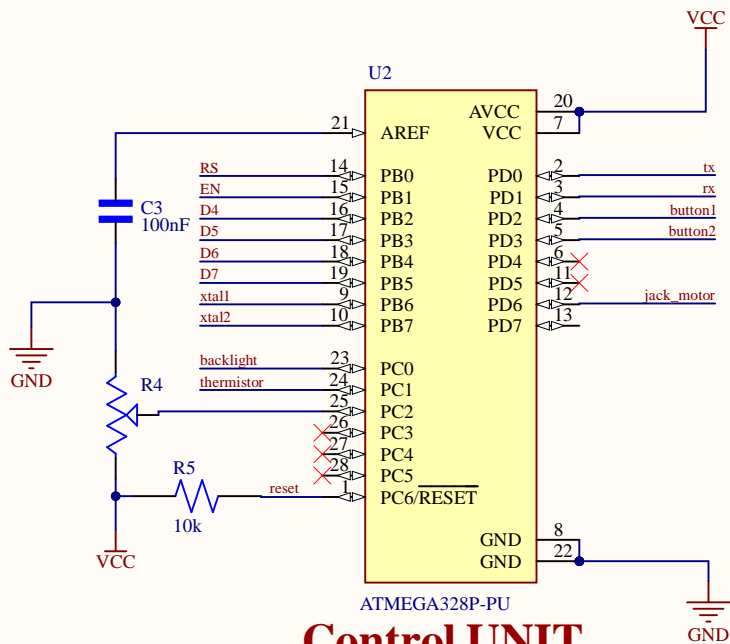
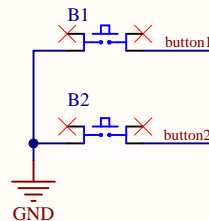
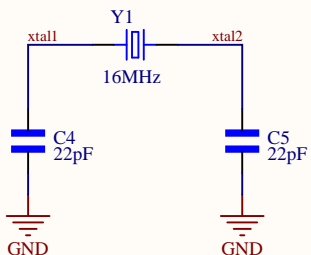


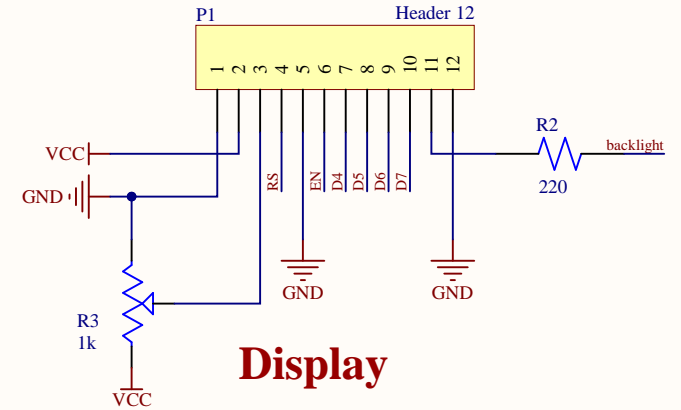
Power supply UNIT



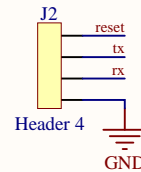
Control UNIT



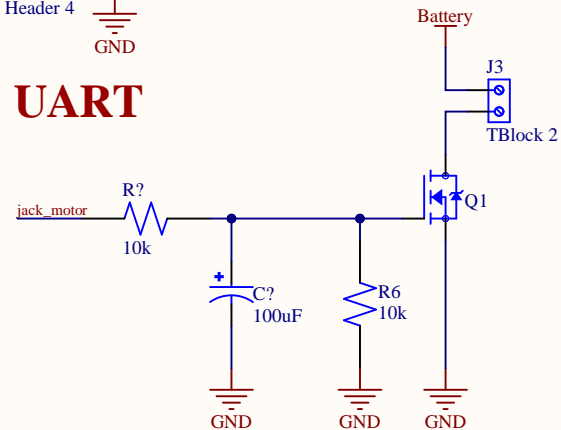
Buttons



Display

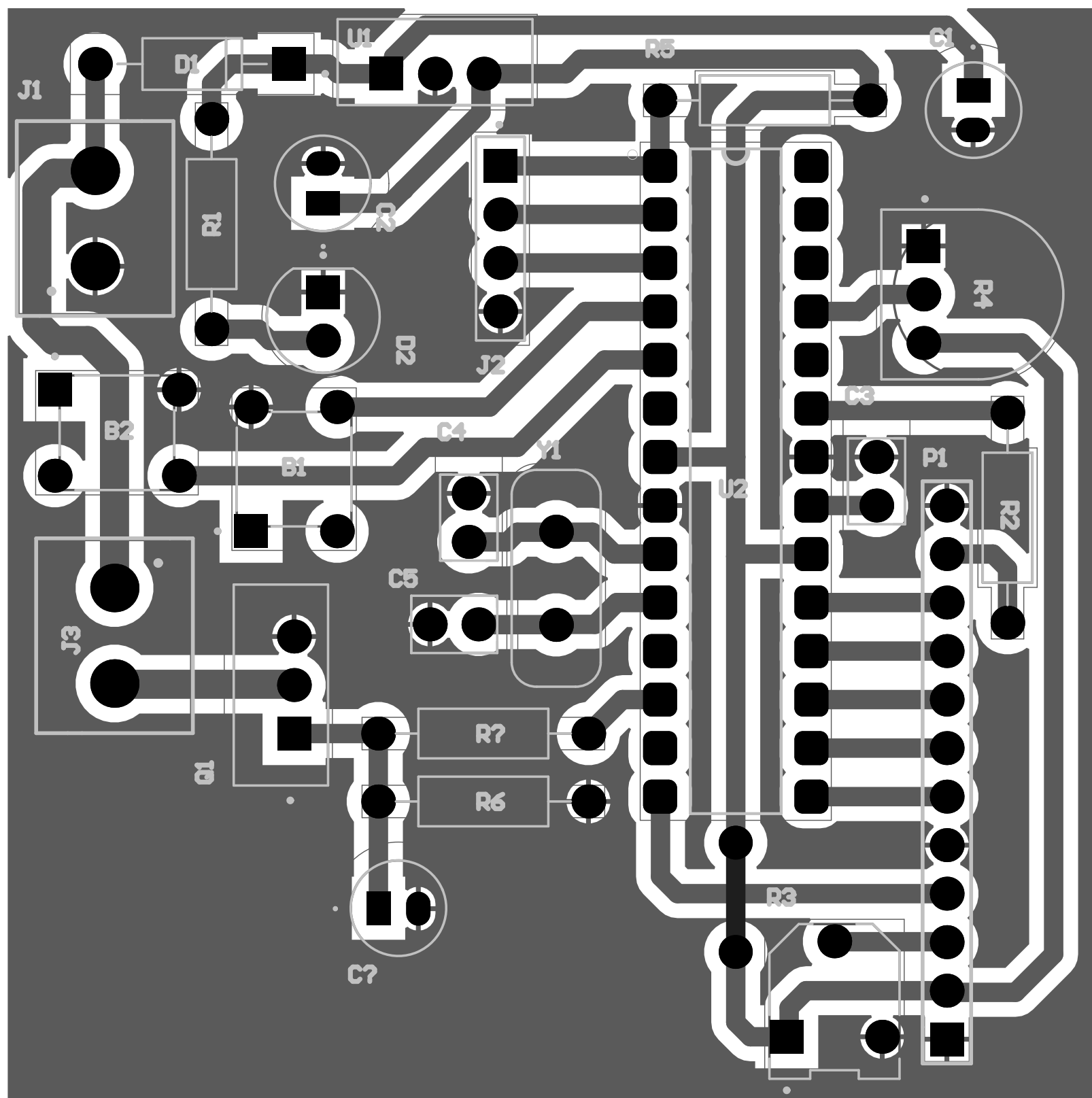


UART



Switching UNIT

Jack control circuit



Comment	Description	Designator	Footprint	LibRef	Quantity
Push button		B1, B2	SW_TS02-66-95-BK-260-LCR-D	Push button	2
100uF	FS-A	C1, C?	CAPPRD500W50D500H1100	Electrolytic capacitor	2
10uF	FS-A	C2	CAPPRD500W50D500H1100	Electrolytic capacitor	1
100nF	2200 pF $\bar{A} \pm 10\%$ 250V Ceramic Capacitor X7R Radial	C3	CAPRB500W50L450T300H550	Ceramic capacitor	1
22pF	2200 pF $\bar{A} \pm 10\%$ 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
TBlock 2	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
N-Channel mosfet	N-Channel 100V 22A (Tc) 85W (Tc) Through Hole TO-220AB	Q1	TO254P1052X465X1989-3	IRF540	1
10k	(MFR-25FBF52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwidertand Axial Metal Film	R1, R5, R6, R?	RESAD1100W55L680D260	Resistor (0.25W)	4
220	(MFR-25FBF52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwidertand Axial Metal Film	R2	RESAD1100W55L680D260	Resistor (0.25W)	1
1k	(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
3352T-1-254LF	RESISTOR, VARIABLE, 250KOHM, 0.5W, $\bar{A} \pm 20\%$; Track Resistance:250kohm; No. of Turns:1; Resistance Tolerance: $\bar{A} \pm 20\%$; Temperature Coefficient: $\bar{A} \pm 100\text{ppm}/\bar{A}^\circ\text{C}$; Power Rating:500mW; Potentiometer Mounting:Through Hole :RoHS Compliant: Yes	R4	TRIM_3352T-1-254LF	Variable resistor	1
LM7805		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 oscillator	1