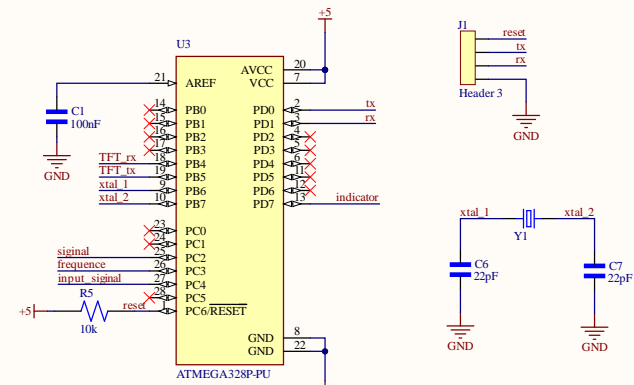
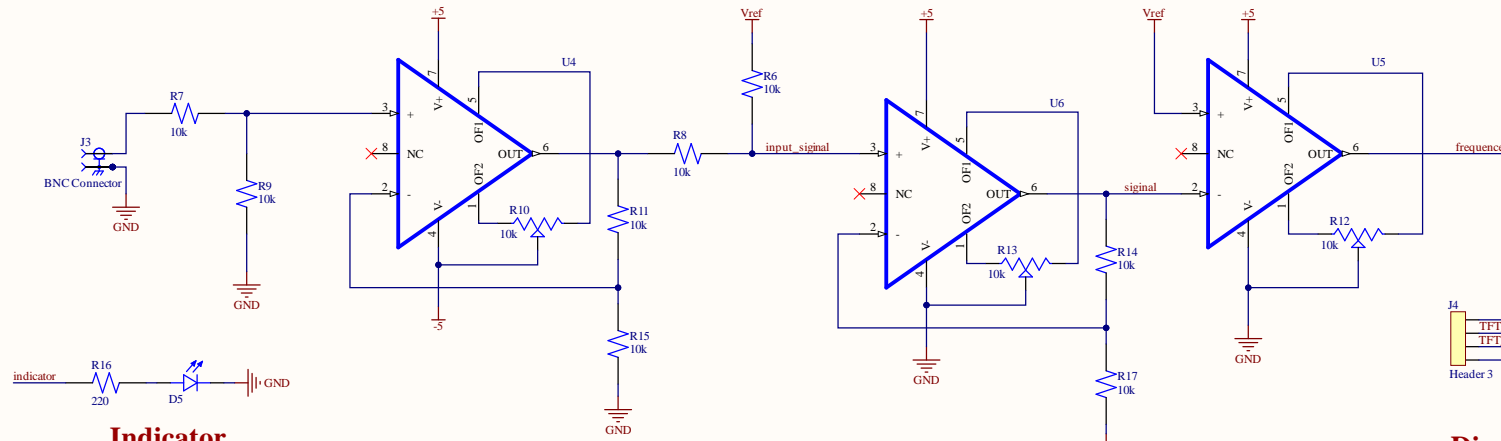


Power Supply



Control UNIT

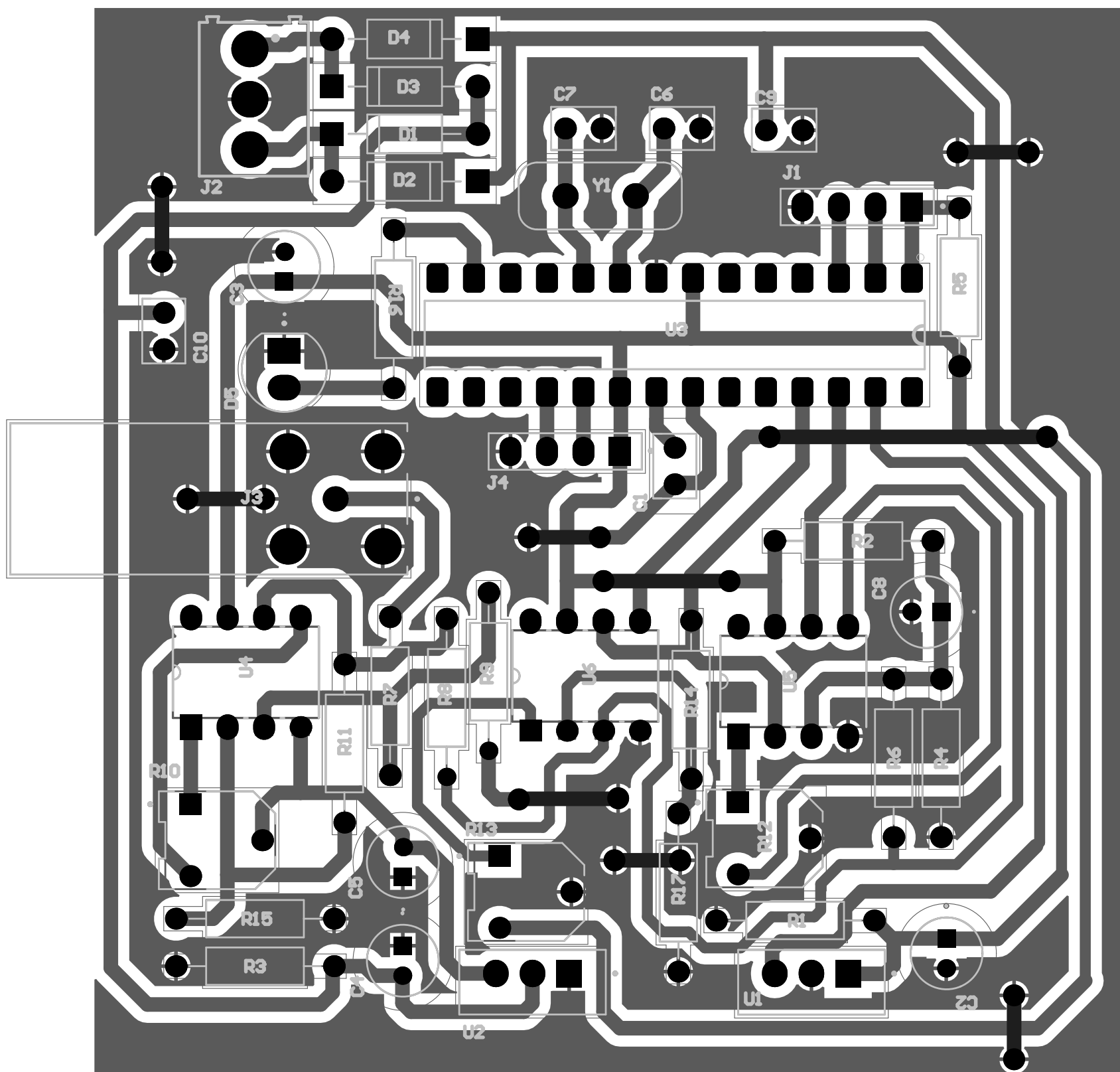


Signal processing UNIT

Indicator

Display connector

Title		
Size	Number	Revision
A3		
Date:	5-14-2023	Sheet of
File:	V:\Office\...\schematic.SchDoc	Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
100nF	2200 pF $\pm 10\%$ 250V Ceramic Capacitor X7R Radial	C1, C9, C10	CAPRB500W50L450T3 00H550	Ceramic capacitor	3
2200uF	FS-A	C2, C4	CAPPRD500W50D500 H1100	Electrolytic capacitor	2
10uF	FS-A	C3, C5	CAPPRD500W50D500 H1100	Electrolytic capacitor	2
22pF	2200 pF $\pm 10\%$ 250V Ceramic Capacitor X7R Radial	C6, C7	CAPRB500W50L450T3 00H550	Ceramic capacitor	2
100uF	FS-A	C8	CAPPRD500W50D500 H1100	Electrolytic capacitor	1
1N4007	Diode Switching 1KV 1A 2-Pin DO-41	D1, D2, D3, D4	DIOAD1060W80L520D 270	1N4007	4
L08R5000Q1	LED, Orange, Through Hole, T-1 3/4 (5mm), 30 mA, 2.1 V, 635 nm	D5	LEDRD254W57D500H1 070	LED	1
Header 3	4 Position Header Connector Through Hole	J1, J4	SULLINS_PPTC041LFB N-RC	Female header - 4Pins	2
TBlock 3	3 Position Wire to Board Terminal Block Horizontal with Board 0.138 (3.50mm) Through Hole	J2	691214110003	Terminal blocks - 3Pins (Small)	1
BNC Connector	BNC Connector Jack, Female Socket 75Ohm Through Hole, Right Angle Solder	J3	MOLEX_0731711640	BNC Connector	1
10k	(MFR-25F52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R1, R3, R5, R6, R7, R8, R9, R11, R14, R15, R17	RESAD1100W55L680D 260	Resistor (0.25W)	11
1k	(MFR-25F52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R2, R4	RESAD1100W55L680D 260	Resistor (0.25W)	2
10k	(3306F-1-105) 1 MOhms 0.2W, 1/5W PC Pins Through Hole Trimmer Potentiometer Cermet 1 Turn Top Adjustment	R10, R12, R13	TRIM_3306F-1-105	Potentiometer1	3
220	(MFR-25F52-10K) 10,2 kOhm bei 1% 0,25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R16	RESAD1100W55L680D 260	Resistor (0.25W)	1
LM7805		U1	TO255P1020X450X196 8-3	LM78__	1
LM7905		U2	TO255P1020X450X196 8-3	LM79__	1
ATMEGA328P-PU	ATmega Series 20 MHz 32 KB Flash 2 KB SRAM 8-Bit Microcontroller - DIP- 28	U3	DIP794W46P254L2967 H457Q28B	ATMEGA328P-PU	1
OP-Amp	General Purpose Amplifier 1 Circuit - 8- DIP	U4, U5, U6	DIP254P762X508-8	LM741CN	3
ECS-160-S-4	CRYSTAL T/H	Y1	XTAL_ECS-160-20-4X	Crystal oscilator	1