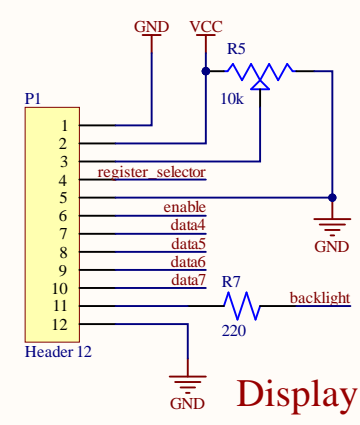
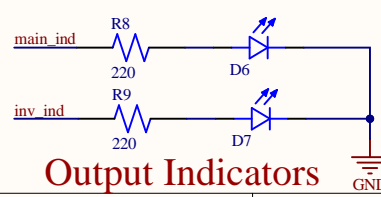


Control UNIT

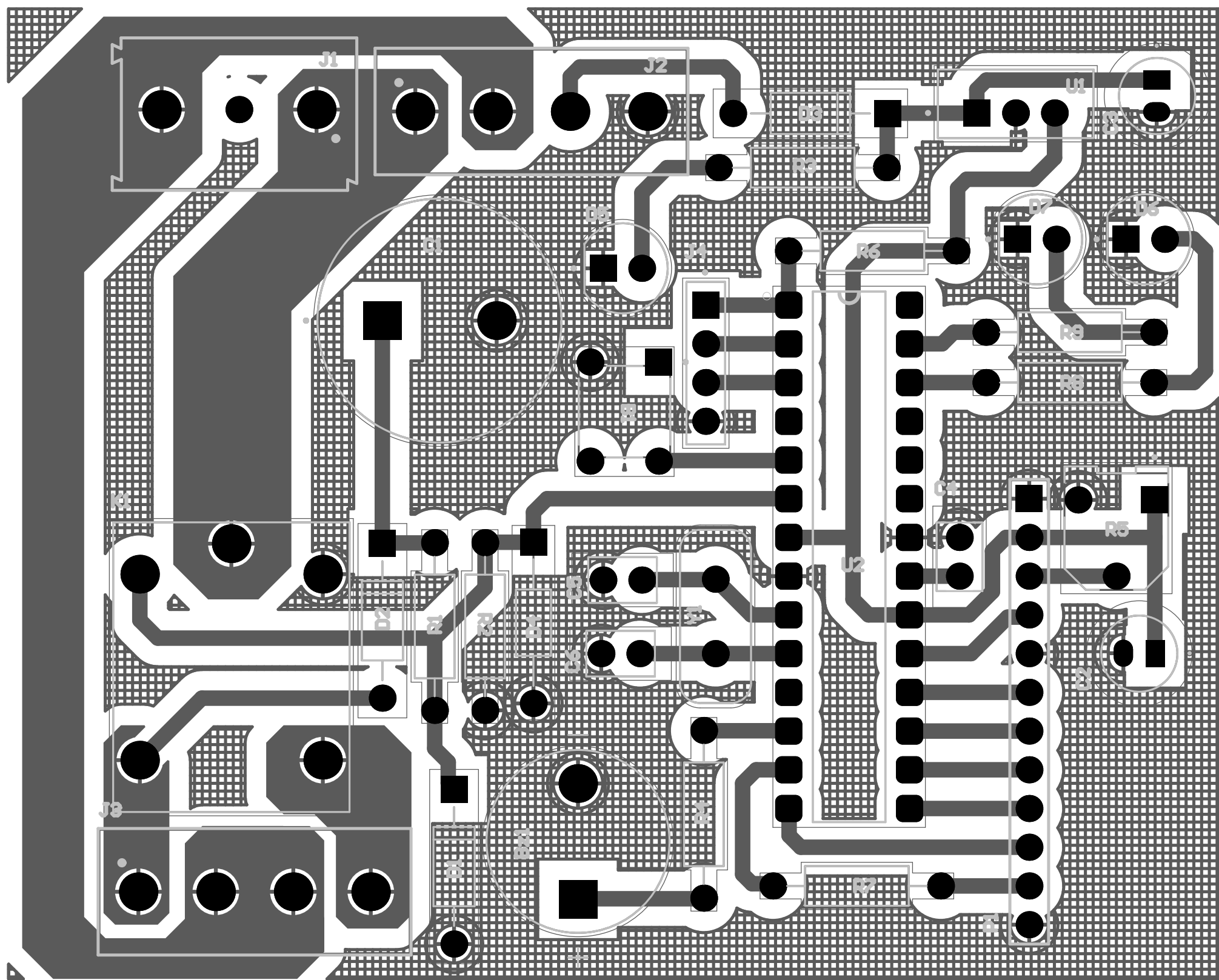


Display



Output Indicators

Title		
Size A4	Number	Revision
Date:	5-24-2023	Sheet of
File:	V:\Office\...\schematic.SchDoc	Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
Push button		B1	SW_1502-66-95-6K-260-LCR-D	Push button	1
AI-1223-TWT-12V-R	ELECTRO-MECHANICAL AUDIO INDICATOR	Bx1	XDOR_AI-1223-TWT-12V-R	Buzzer	1
2200uF	Cap Aluminum 33uF 400V 20% (16 X 25mm) Radial Aluminum Cylindrical Can 7.5mm 275mA 2000hr 85°C Bulk	C1	CAPPRD750W800160 0H2500	Capacitor (16 x 25mm)	1
10uF	FS-A	C2	CAPPRD500W500500 H1100	Electrolytic capacitor	1
1000uF	FS-A	C3	CAPPRD500W500500 H1100	Electrolytic capacitor	1
100nF	2200 pF A±10% 250V Ceramic Capacitor X7R Radial	C4	CAPRBS00W50L45013 00H650	Ceramic capacitor	1
22pF	2200 pF A±10% 250V Ceramic Capacitor X7R Radial	C5, C6	CAPRBS00W50L45013 00H650	Ceramic capacitor	2
1N4007	Diode Switching 1KV 1A 2-Pin (DO-41)	D1, D2, D3	DICAD1060W80L5200 220	1N4007	3
5V	Zener Diode 16W 1W A±5% Through Hole (DO-204AL (DO-41)	D4	DICAD1060W70L4350 230	Zenner diode	1
LD89500001	LED, Orange, Through Hole, T-1 3/4 (5mm), 30 mA, 2.1 V, 635 nm	D5, D6, D7	LEDRD25-4W570500H1 070	LED	3
TBlock 3	5.08 MM TERMINAL BLOCK	J1	Terminal block - 3Pins	3Pins Terminal block	1
TBlock 4	5.08 MM TERMINAL BLOCK 2415 - 5.08 mm Horizontal Entry Modular w. Rising Cage Clamp ->b>KIND PROPERTIES ->b> ->b>Pitch 5.08 mm ->b> ->b>MATERIAL PROPERTIES ->b> ->b>->b>Insulator Material PA66 ->b>->b>Insulator Flammability Rating UL94 V-0 ->b>->b>Terminal Screw Material Steel ->b>->b>Terminal Screw Plating Zinc ->b>->b>Wire Guard Material Copper Alloy ->b>->b>->b>GENERAL INFORMATION ->b>->b>->b>Operating Temperature -30 up to +100 °C	J2, J3	691241510004	Terminal block - 4Pins	2
Header 4	4 Position Header Connector Through Hole	J4	SULLINS_PPTC041LF8 N-RC	Female header - 4Pins	1
JOC-3F-1C-24VDC	Miniature PCB Relay 24VDC, 10A 250VAC, 15A 125VAC, 10A 250VAC	K1	RELAY_JOC-3F-1C-24VDC	Relay (Standard)	1
Header 12	Header, 12-Pin	P1	HDR1X12	Header 12	1
10M	(MFR-25FBF52-10K) 10.2 KOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R1	RESAD1100W5SL6800 260	Resistor (0.25W)	1
150k	(MFR-25FBF52-10K) 10.2 KOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R2	RESAD1100W5SL6800 260	Resistor (0.25W)	1
1k	(MFR-25FBF52-10K) 10.2 KOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R3	RESAD1100W5SL6800 260	Resistor (0.25W)	1
100	(MFR-25FBF52-10K) 10.2 KOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R4	RESAD1100W5SL6800 260	Resistor (0.25W)	1
10k	(3306F-1-105) 1 MOhms 0.2W, 1/5W PC Pins Through Hole Trimmer Potentiometer Cermet 1 Turn Top Adjustment	R5	TRIM_3306F-1-105	Potentiometer1	1
10k	(MFR-25FBF52-10K) 10.2 KOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R6	RESAD1100W5SL6800 260	Resistor (0.25W)	1
220	(MFR-25FBF52-10K) 10.2 KOhm bei 1% 0.25W, 1/4W Durchbohrlochwidens tand Axial Metal Film	R7, R8, R9	RESAD1100W5SL6800 260	Resistor (0.25W)	3
LM7805		U1	TO25P1020X450K196 B-3	LM78_...	1
ATMEGA328P-PU	ATmega Series 30 MHz 32 KB Flash 2 KB SRAM 8-Bit Microcontroller - DIP-28	U2	DIP794W44P254L2967 H457C28B	ATMEGA328P-PU	1
16MHz	CRYSTAL 17H	Y1	XTAL_ECS-160-20-4X	Crystal oscillator	1