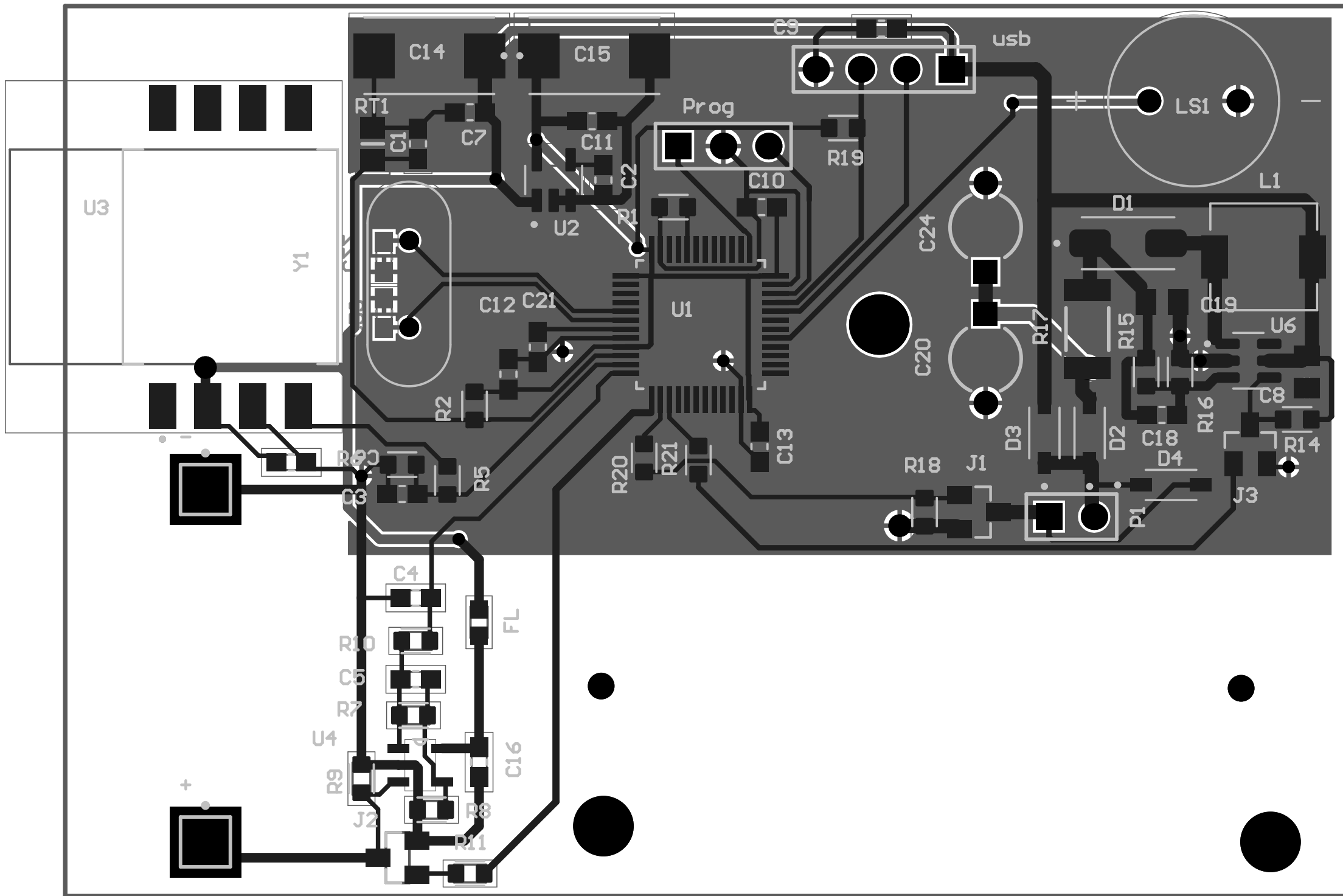


Title		
Size	Number	Revision
A4		
Date:	Cp 25.10.23	Sheet of
File:	\\..\\Sheet1_alkot.SchDoc	Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
Socket	Socket	-, +	PIN1	Socket	2
0.1uF	COMMERCIAL CHIP STD JAPAN BULK - FN TAPE/REEL, 7 INCH PAPER TAPE	C1, C3, C4, C5, C6, C7, C9, C10, C11, C12, C13, C21	CAPC1608X90	LD03ZD475MAB2A	12
0.1 uF	COMMERCIAL CHIP STD JAPAN BULK - FN TAPE/REEL, 7 INCH PAPER TAPE	C2	CAPC1608X90	LD03ZD475MAB2A	1
10uF	Cap Ceramic 39pF 100V COG 10% SMD 0805 125B°C Paper T/R	C8, C19	CAPC2012X140N	LD051A390KAB2A	2
TPSD107M010R0100		C14, C15	CAPPM7343X310N	TPSD107M010R0100	2
22uF	COMMERCIAL CHIP STD JAPAN BULK - FN TAPE/REEL, 7 INCH PAPER TAPE	C16	CAPC1608X90	LD03ZD475MAB2A	1
1nF	COMMERCIAL CHIP STD JAPAN BULK - FN TAPE/REEL, 7 INCH PAPER TAPE	C18	CAPC1608X90	LD03ZD475MAB2A	1
470uF25v	Capacitor	C20, C24	CAPR5-4X5	Cap2	2
33pF	COMMERCIAL CHIP STD JAPAN BULK - FN TAPE/REEL, 7 INCH PAPER TAPE	C22, C23	CAPC1608X90	LD03ZD475MAB2A	2
B340A-13-F	Diode, Rectifier, 3a, 40v, Do-214ac, Full Reel	D1	DIOM5226X240N	B340A-13-F	1
1N5819HW-7	1N5819HW Series 40 V 1 A Surface Mount Schottky Barrier Rectifier - SOD-123	D2, D3, D4	SOD3715X145N	1N5819HW-7	3
BLM18EG221SN1D	220 Ohms @ 100MHz 1 Ferrite Bead 0603 _1608 Metric_2A 50mOhm	FL	BEADC1608X95N	BLM18EG221SN1D	1
IRLML2502		J1, J2, J3	SOT23	IRLML2502	3
B82462A4223K000		L1	IND_B82462A4473K0 00	B82462A4473K000	1
KXG0903C1		LS1	XDRCR_KXG0903C1	KXG0903C1	1
reley	Header, 2-Pin	P1	HDR1X2	Header 2	1
Header 3	Header, 3-Pin	Prog	HDR1X3	Header 3	1
10k	CRG0603 1% 10K	R1, R2, R18	RESC1608X50N	1622830-1	3
20k	CRG0603 1% 20k	R5, R6	RESC1608X50N	1622830-1	2
200k	CRG0603 1% 50k	R7	RESC1608X50N	1622830-1	1
100	CRG0603 1% 100	R8	RESC1608X50N	1622830-1	1
10	CRG0603 1% 10	R9, R20, R21	RESC1608X50N	1622830-1	3
1k	CRG0603 1% 1k	R10, R14, R19	RESC1608X50N	1622830-1	3
330	CRG0603 1% 330	R11	RESC1608X50N	1622830-1	1
100k	CRG0603 1% 27k	R15	RESC1608X50N	1622830-1	1
4.7k	CRG0603 1% 2.2k	R16	RESC1608X50N	1622830-1	1
50	Resistor	R17	12Z-2010	Res3	1
10 k (NCP21XV103)	Thermistor	RT1	6-0805_N	Res Thermal	1
STM32F100C8T6B	ARM-based 32-bit MCU	U1	QFP50P900X900X160- 48N	STM32F100C8T6B	1
TPS79133DBVT		U2	SOT95P280X145-5N	TPS79133DBVT	1
MPXV7002DP	Pressure Sensor B±0.29PSI (B±2kPa) Differential Male - 0.13" (3.3mm) Tube, Dual 0.5 V ~ 4.5 V 8- BSOP (0.475", 12.06mm Width) Dual Ports, Same Side	U3	XDRCR_MPXV7002DP	MPXV7002DP	1
AD8628WAUJZ-R7	Zero-Drift, Single- Supply, RRIO Op Amp	U4	SOT95P280X100-5N	AD8628WAUJZ-R7	1
MT3608	High Efficiency 1.2MHz 2A Step Up Converter	U6	SOT95P280X145-6N	MT3608	1
Header 4	Header, 4-Pin	usb	HDR1X4	Header 4	1
HC-49/U- S80000000ABJB	HC49US Series 16 MHz B±30 ppm 18 pF -20 to +70 B°C Through Hole AT- CUT Crystal	Y1	XTAL_HC49P488W43 L1150T466H350	HC-49/U- S160000000ABJB	1

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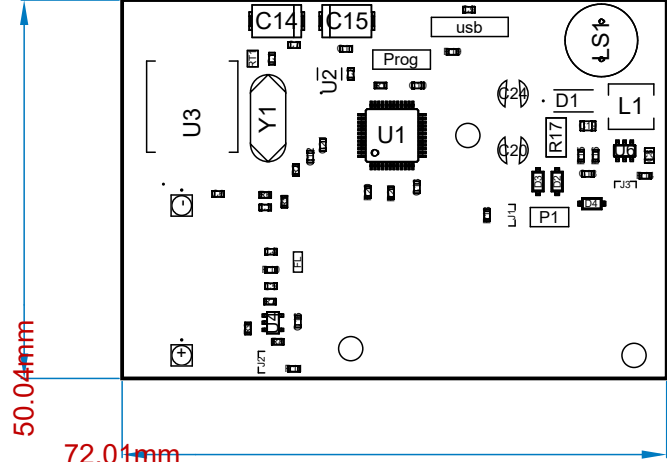
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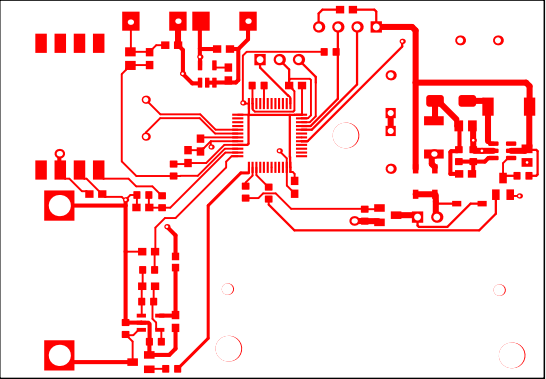
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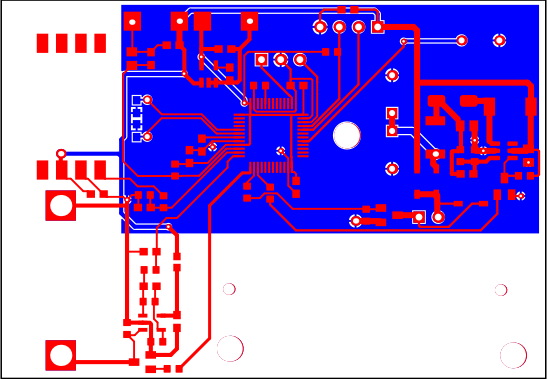
View from Top side (Scale 1:1)



Top Layer (Scale 1:1)



Top Layer (Scale 1:1)



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C

D

E