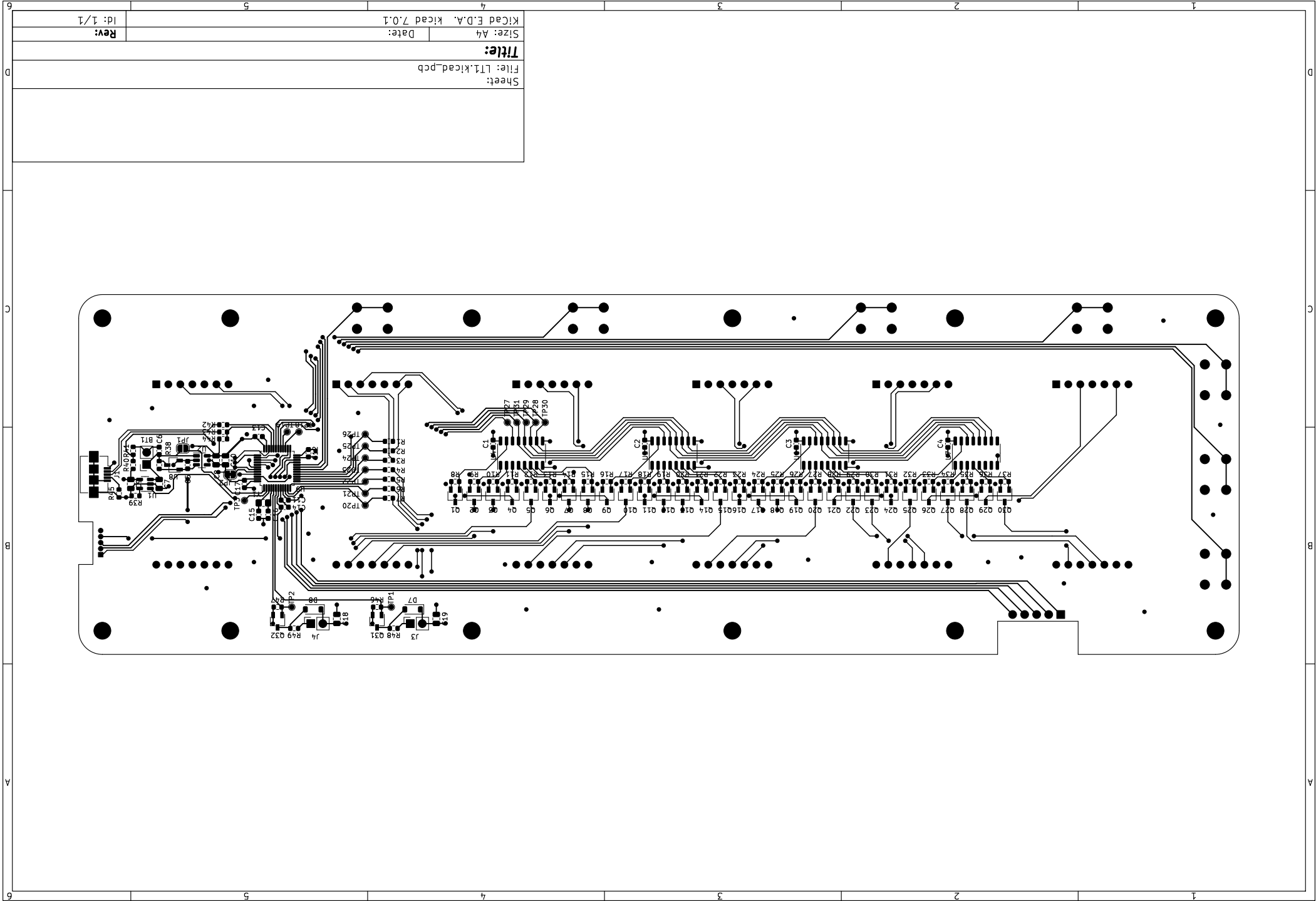


Sheet:		
File: LT1.kicad_pcb		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad 7.0.1		Id: 1/1



Sheet:		File: LT1.kicad-pcb	
Title:		Size: A4	
Date:		Kicad E.D.A. kicad 7.0.1	
Rev:		Id: 1/1	

LT1 – BOM

Martin Egli, 2023-10-18

					Anz. PCB	3
Pos	Name	Qty	Value	Footprint	Mouser	Best. Menge
1	BT1	1	Battery_Cell	100 mil	-	3
2	C1, C2, C3, C4, C6, C11, C12, C13, C17	9	100nF	SMD 0603	80-C0603C104K5R7082	27
3	C5, C14	2	10nF	SMD 0603	581-06031C103K4T2A	6
4	C7, C8, C9, C10, C18, C19	6	10uF	SMD 0805	187-CL21A106KOQNNNC	18
5	C15, C16	2	-	SMD 0603	-	6
6	D1, D2, D3, D4, D5, D6	6	TC20-11SRWA	TC20	604-TC20-11SRWA	18
7	D7, D8	2	D_Schottky	SMD SOD-123	841-BAT54GWJ	6
8	J1	1	USB_B_Micro	SMD micro USB		3
9	Q1, Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, Q15, Q16, Q17, Q18, Q19, Q20, Q21, Q22, Q23, Q24, Q25, Q26, Q27, Q28, Q29, Q30, Q31, Q32	32	2N7002K	SMD SOT-23	863-2N7002KT1G	96
10	R1, R2, R3, R4, R5, R6, R7	7	150R	SMD 0603	71-CRCW0603150RFKEC	21
11	R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35, R36, R37, R38, R39, R46, R47, R48, R49	36	1M	SMD 0603	667-ERJ-3EKF1004V	108
12	R40, R41, R45	3	10k	SMD 0603	660-RK73H1JT1D1002F	9
13	R42, R43	2	10R	SMD 0603	279-CRGCQ0603F10R	6
14	R44	1	1k5	SMD 0603	791-RMC1/16K152FTP	3
15	S1	1	MF140	100 mil		3
16	SW1, SW2, SW3, SW4, SW5, SW6, SW7	7	SW_Push		179-TS026695BK100SCRF	21
17	U1	1	MCP73831-2-OT	SMD SOT-23-5	579-MCP73831T-2ACIOT	3
18	U2	1	TLV75533PDBV	SMD SOT-23-5	595-TLV75533PDBVR	3
19	U4, U5, U6, U7	4	74HC595D	SMD SO-16	757-74HC595D	12
20	U8	1	MCP111T-xxxE_TT	SMD SOT-23	579-MCP111T-315E/LB	3
21	U9	1	STM32L412C8Tx	SMD LQFP-48	511-STM32L412C8T6	3
22	Y1	1	32 kHz (ABS06)	SMD ABS06	815-ABS06-32.768K-T	3

Best

X
X
X

X

X
X

X
X
X
X
X

X

X