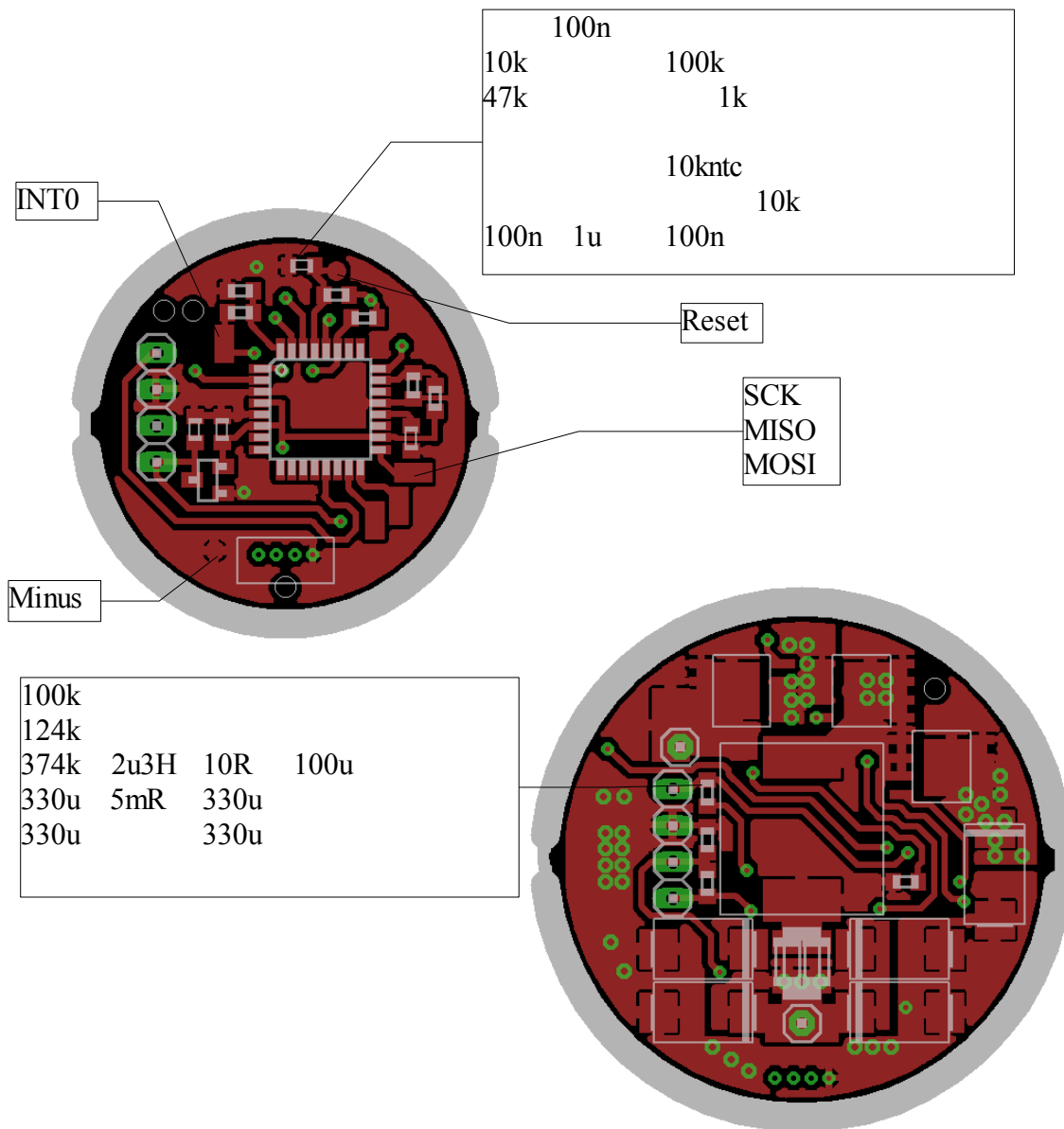


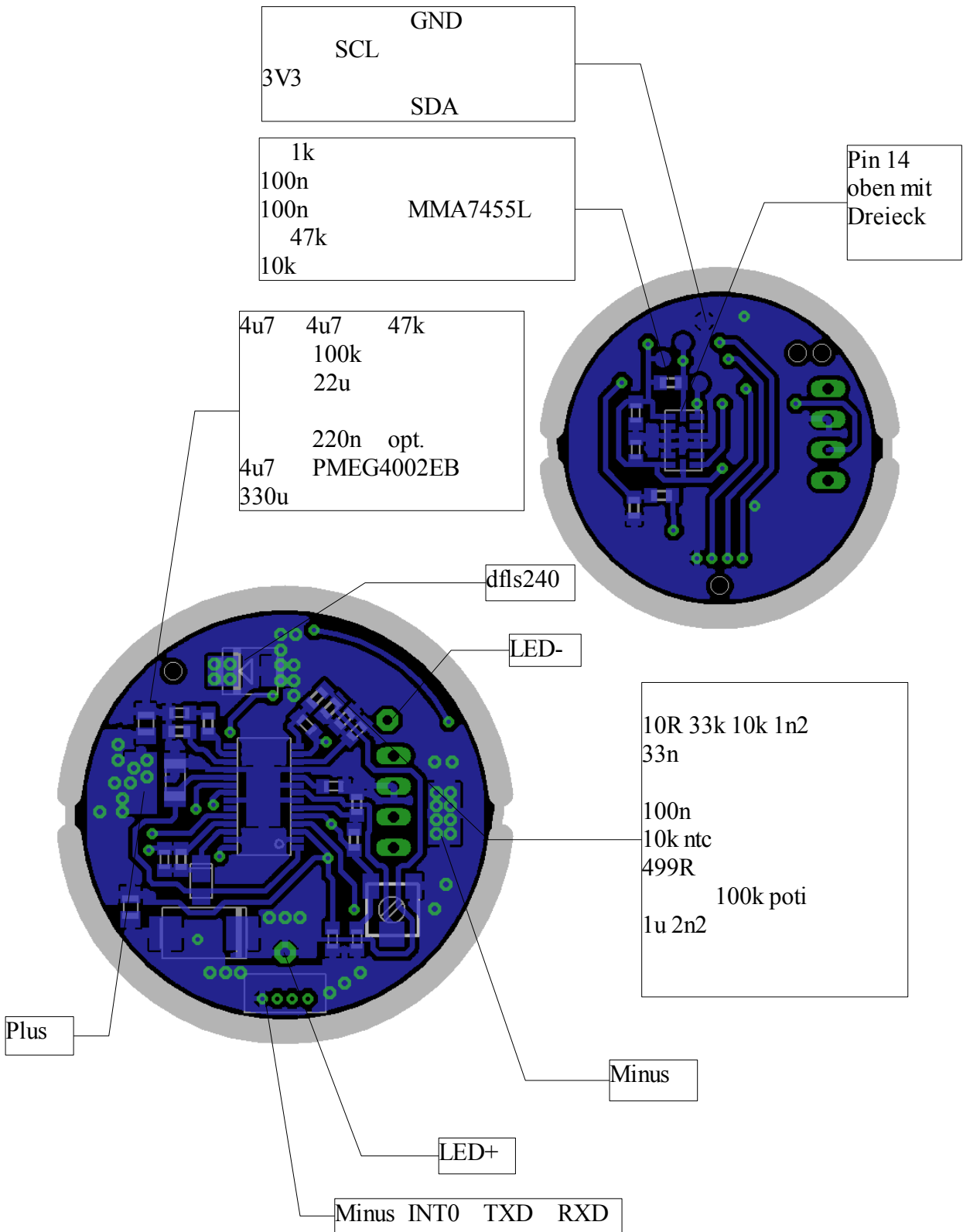


Statt 330uF Kondensatoren sind auch andere möglich. Voraussetzungen:

Low ESR

Summe min. 50uF/A z.B. 10A LED => min. 500uF

U>1,5 Uled z.B. eine LED 4V => min. 6V



Part	Value	Device	Package	Library	Sheet
C1	4u7	C-EUC0805K	C0805K	rcl	1
C2	1u	C-EUC0603K	C0603K	rcl	1
C3	220n	C-EUC0603K	C0603K	rcl	1
C4	22u	C-EUC1206	C1206	rcl	1
C5	330u	CPOL-EUD/7343-31R D/7343-31R		rcl	1
C6	330u	CPOL-EUD/7343-31R D/7343-31R		rcl	1
C7	2n2	C-EUC0603K	C0603K	rcl	1
C8	100n	C-EUC0603K	C0603K	rcl	1
C9	4n7	C-EUC0603K	C0603K	rcl	1
C10	330u	CPOL-EUD/7343-31R D/7343-31R		rcl	1
C11	100u	CPOL-EUD/7343-31R D/7343-31R		rcl	1
C13	330u	CPOL-EUD/7343-31R D/7343-31R		rcl	1
C15	33n	C-EUC0603K	C0603K	rcl	1
C16	4u7	C-EUC0805K	C0805K	rcl	1
C19	100n	C-EUC0603K	C0603K	rcl	1
C20	1u	C-EUC0603K	C0603K	rcl	1
C21	100n	C-EUC0603K	C0603K	rcl	1
C22	100n	C-EUC0603K	C0603K	rcl	1
C23	100n	C-EUC0603K	C0603K	rcl	1
C24	100n	C-EUC0603K	C0603K	rcl	1
C25	330u	CPOL-EUD/7343-31R D/7343-31R		rcl	1
C26	1n2	C-EUC0603K	C0603K	rcl	1
D3	dfls240	ES2D	SMB	diode	1
IC3	MCP1703CB	MCP1703CB	SOT23	linear	1
IC4	MEGA8-AI	MEGA8-AI	TQFP32-08	atmel	1
JP2		PINHD-1X4	1X04	pinhead	1
JP3		PINHD-1X1	1X01	pinhead	1
JP4		PINHD-1X1	1X01	pinhead	1
JP5		PINHD-1X4	1X04	pinhead	1
L1	2u3	SPULE16362432	SPULE7443310220	chris3	1
MMA7455L	MMA7455L	MMA7455L	14LGA	chris	1
PMEG4002EB	pmeg4002eb	DFLS240	POWERDI_123	chris3	1
Q1		POWERPACK_SO-8_SINGLE	chris3	1	
Q2		POWERPACK_SO-8_SINGLE	chris3	1	
Q3		POWERPACK_SO-8_SINGLE	chris3	1	
R1	124k	R-EU_R0603	R0603	rcl	1
R2	374k	R-EU_R0603	R0603	rcl	1
R3	5mR	R-EU_M1206	M1206	rcl	1
R4	499	R-EU_R0603	R0603	rcl	1
R5	33k	R-EU_R0603	R0603	rcl	1
R6	10k	R-EU_R0603	R0603	rcl	1
R7	47k	R-EU_R0603	R0603	rcl	1
R8	10kntc	R-EU_R0603	R0603	rcl	1
R14	100k	R-EU_R0603	R0603	rcl	1
R15	10	R-EU_R0603	R0603	rcl	1
R16	10	R-EU_R0603	R0603	rcl	1
R17	100k	R-EU_R0603	R0603	rcl	1

R18	100k	R-TRIMM3314J	RTRIM3314J	rcl	1
R19	100k	R-EU_R0603	R0603	rcl	1
R20	5mR	R-EU_R2010	R2010	rcl	1
R21	100k	R-EU_R0603	R0603	rcl	1
R22	10k	R-EU_R0603	R0603	rcl	1
R23	10kntc	R-EU_R0603	R0603	rcl	1
R24	47k	R-EU_R0603	R0603	rcl	1
R25	10k	R-EU_R0603	R0603	rcl	1
R26	opt	R-EU_R0603	R0603	rcl	1
R29	47k	R-EU_R0603	R0603	rcl	1
R30	10k	R-EU_R0603	R0603	rcl	1
R32	1k	R-EU_R0603	R0603	rcl	1
R33	5mR	R-EU_M1206	M1206	rcl	1
R34	1k	R-EU_R0603	R0603	rcl	1
U\$1	LT3743	LT3743	FE28	chris3	1

R3 und R33 oder R20:

Strom [A]	Gesamtwiderstand [mΩ]	Verlustleistung [W]
1	50	0,05
5	10	0,25
10	5	0,5
20	2	1,25

C5 C6 C10 C13 C25: Tantal, Low ESR, in der Summe 50uF/A Strom durch die LED. 50% mehr Spannungsfestigkeit als Spannung der LED, auf Polung achten.