

1

2

3

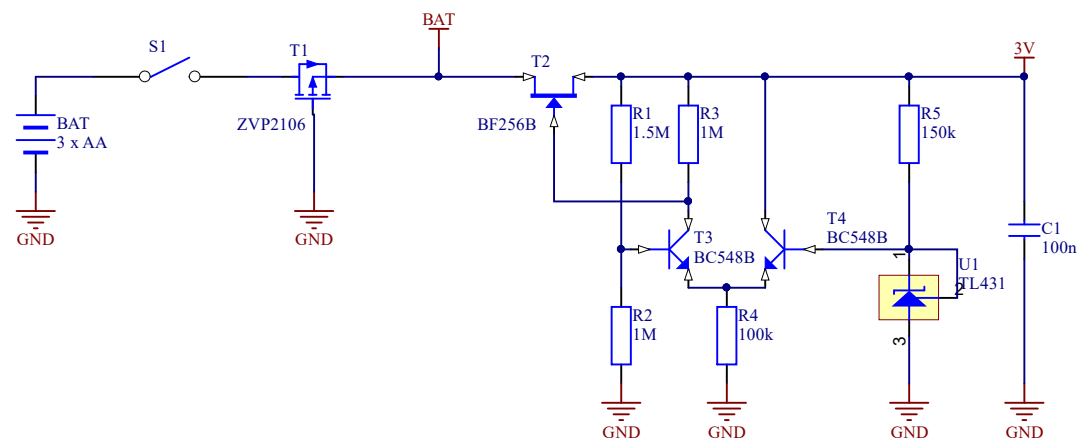
4

A

B

C

D



Main Board Power

Project: SmartBoard

Size: A4

Rev.: v1

Drawn by: M. Schwegler

Sheet 1 of 2

Date: 14.03.2017

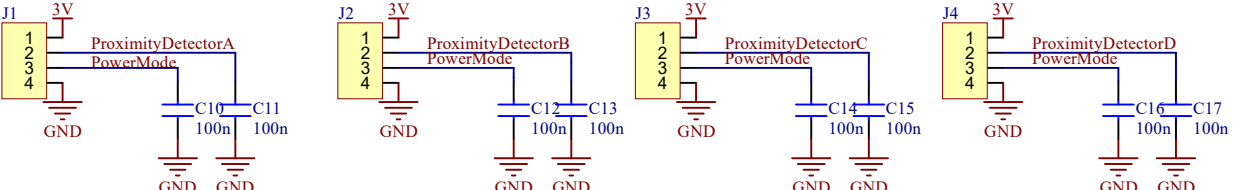
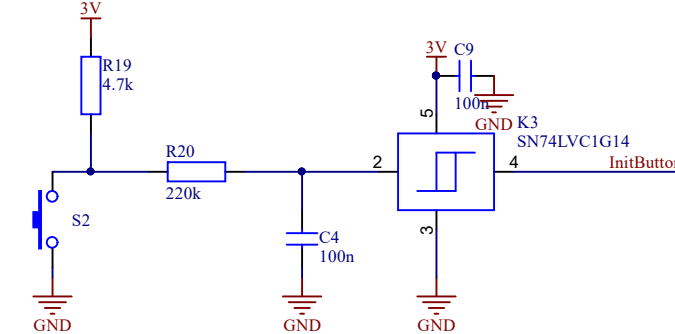
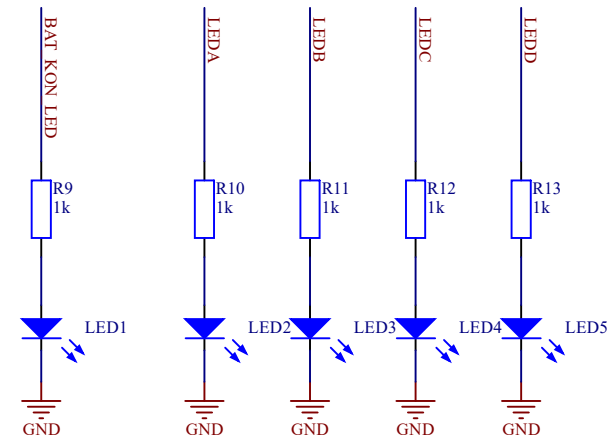
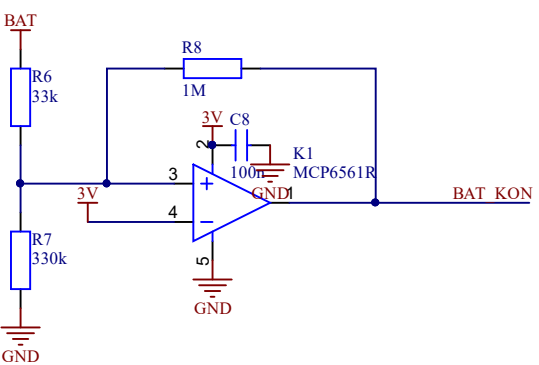
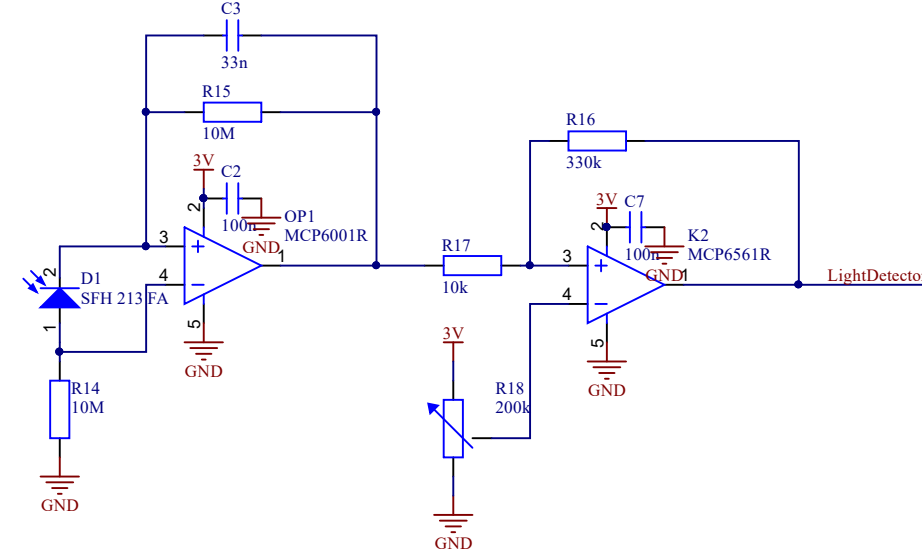
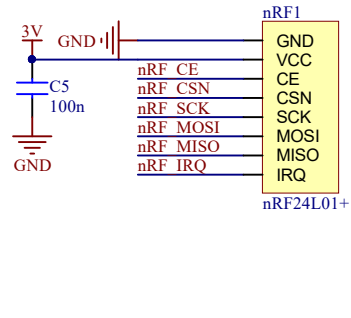
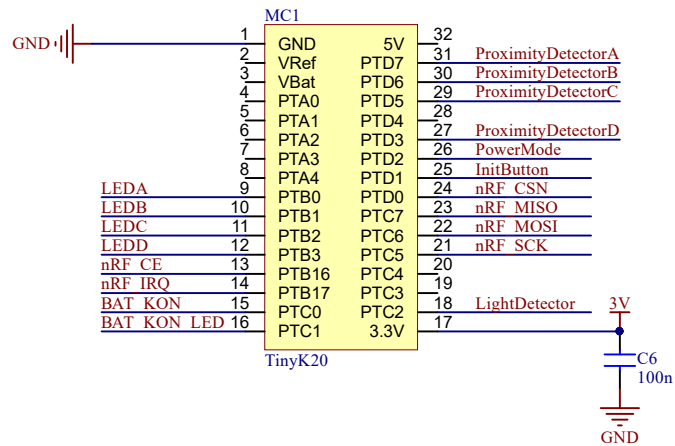
File: MainBoard Power.SchDoc

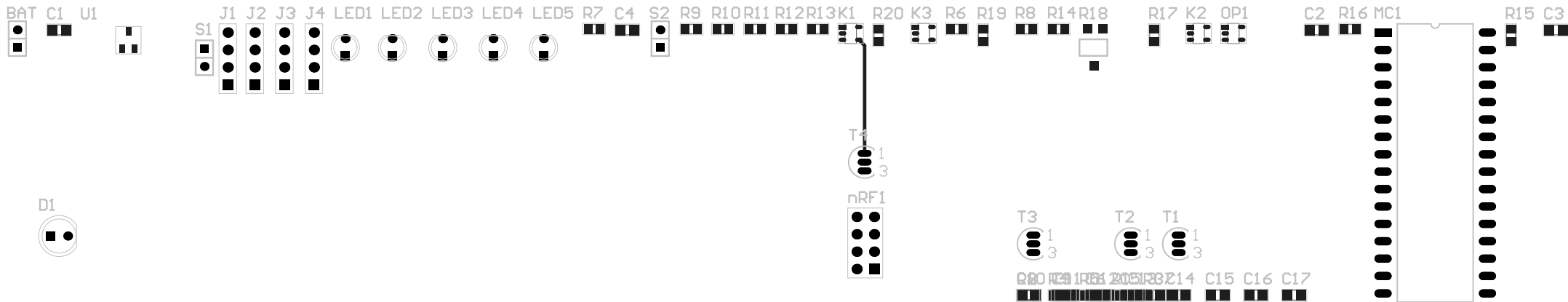
1

2

3

4





Comment	Description	Designator	Footprint	LibRef	Quantity
3 x AA		BAT	SIP2	BATTERY	1
100n	Normaler Kondensator	C1, C2, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17	0805_C	C?	16
33n	Normaler Kondensator	C3	0805_C	C?	1
SFH 213 FA	Photo_Diode_1A_2K	D1	LED_THT_5mm_RM_2.54 mm	Photo_Diode_1A_2K	1
Value		J1, J2, J3, J4	CON_THT_4P_RM2.54	CON_4P	4
MCP6561R		K1, K2	SOT23-5	OPAMP	2
SN74LVC1G14		K3	SOT23-5	schmitt	1
Value		LED1, LED2, LED3, LED4, LED5	LED_THT_3mm_RM_2.54 mm	LED	5
TinyK20		MC1	DIP32	TinyK20	1
nRF24L01+		nRF1	CON_THT_2x4P_RM2.54_Stiftl	Bluefruit	1
MCP6001R		OP1	SOT23-5	OPAMP	1
1.5M	Normaler Widerstand	R1	0805_R	R?	1
1M	Normaler Widerstand	R2, R3, R8	0805_R	R?	3
100k	Normaler Widerstand	R4	0805_R	R?	1
150k	Normaler Widerstand	R5	0805_R	R?	1
33k	Normaler Widerstand	R6	0805_R	R?	1
330k	Normaler Widerstand	R7, R16	0805_R	R?	2
1k	Normaler Widerstand	R9, R10, R11, R12, R13	0805_R	R?	5
10M	Normaler Widerstand	R14, R15	0805_R	R?	2
10k	Normaler Widerstand	R17	0805_R	R?	1
200k	Variabler Widerstand	R18	Poti	R? {RPAR}	1
4.7k	Normaler Widerstand	R19	0805_R	R?	1
220k	Normaler Widerstand	R20	0805_r	R?	1
SW SPST		S1	SIP2	SW SPST	1
S2		S2	SIP2	SW-PB	1
ZVP2106	MOSFET-P 1G,2D,3S (Diode)	T1	TO-92	MOSFET-P 1G,2D,3S (Diode)	1
BF256B	N-channel junction fet	T2	TO-92	J? JFET-N	1
BC548B	NPN Bipolar Transistor	T3, T4	TO-92	Q? NPN	2
TL431	Voltage Shunt Ref. Adju	U1	SOT23-3	LM4041ADJ	1