

Keyfinder Power

Project: SmartBoard

Size: A4

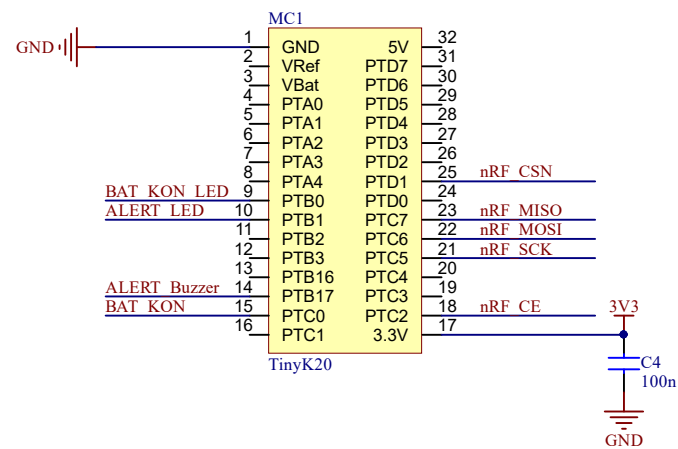
Rev.: v2

Drawn by: M. Schwegler

Sheet 1 of 4

Date: 03.05.2017

File: Keyfinder Power.SchDoc



Keyfinder MCU and nRF24L01+

Project: SmartBoard

Size: A4

Rev.: v2

Drawn by: M. Schwegler

Sheet 2 of 4

Date: 03.05.2017

File: Keyfinder MCU.SchDoc

1

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3

4

A

A

B

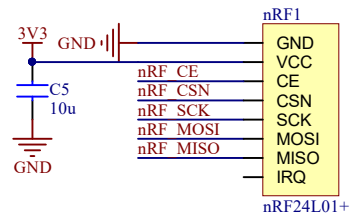
B

C

C

D

D



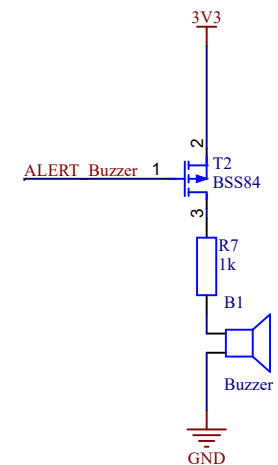
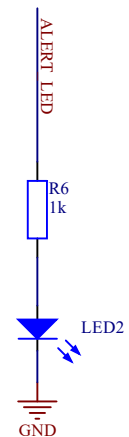
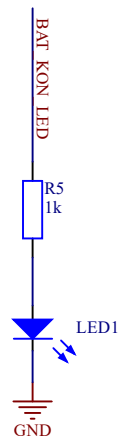
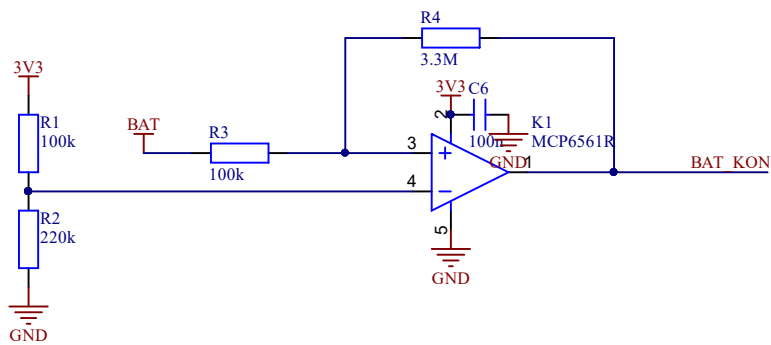
Keyfinder nRF24L01+			
Project: SmartBoard	Size: A4	Rev.: v2	
Drawn by: M. Schwegler	Sheet 3	of 4	
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1

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Keyfinder Alert

Project: SmartBoard

Size: A4

Rev.: v2

Drawn by: M. Schwegler

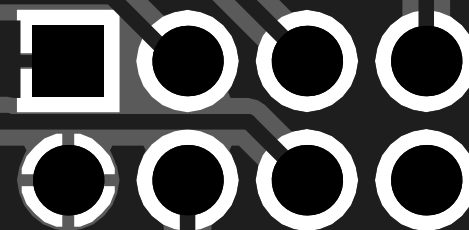
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Date: 03.05.2017

File: Keyfinder_Alert.SchDoc



MC1



LED1

R5

LED2

R6

Keyfinder

v2



C3

T1

C1



U1

S1



C2



C2



Comment	Description	Designator	Footprint	LibRef	Quantity
Buzzer		B1	piezo_ele	SPEAKER	1
CR2032		BAT	Bat_case	BATTERY	1
10u	Normaler Kondensator	C1, C2, C5	0805_C	C?	3
1u	Normaler Kondensator	C3	0805_C	C?	1
100n	Normaler Kondensator	C4, C6	0805_C	C?	2
MCP6561R		K1	SOT23-5	OPAMP	1
Value		LED1, LED2	0805_LED	LED	2
TinyK20		MC1	DIP32	TinyK20	1
nRF24L01+		nRF1	CON_THT_2x4P_RM2.54 _Stiftl	Bluefruit	1
100k	Normaler Widerstand	R1, R3	0805_R	R?	2
220k	Normaler Widerstand	R2	0805_R	R?	1
3.3M	Normaler Widerstand	R4	0805_R	R?	1
1k	Normaler Widerstand	R5, R6, R7	0805_R	R?	3
SW SPDT		S1	SW_MCLSS22	SW SPDT	1
BSS84	MOSFET-P 1G,2D,3S (Diode), MOSFET-P 1D,2G,3S	T1, T2	SOT23-3	MOSFET-P 1G,2D,3S (Diode), MOSFET-P 1D,2G,3S	2
MCP1252-33		U1	MSOP8	VOLTREG	1