

## Keyfinder Power

Project: SmartBoard

Size: A4

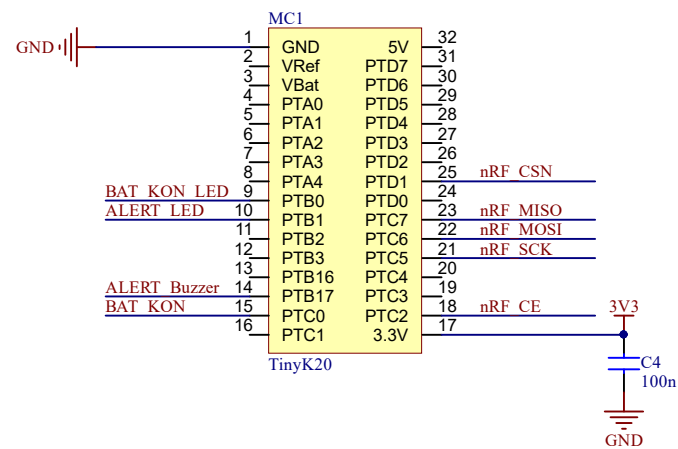
Rev.: v1

Drawn by: M. Schwegler

Sheet 1 of 4

Date: 28.03.2017

File: Keyfinder Power.SchDoc



## Keyfinder MCU and nRF24L01+

Project: SmartBoard

Size: A4

Rev.: v1

Drawn by: M. Schwegler

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Date: 28.03.2017

File: Keyfinder MCU.SchDoc

1

2

3

4

A

A

B

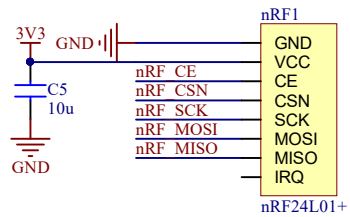
B

C

C

D

D



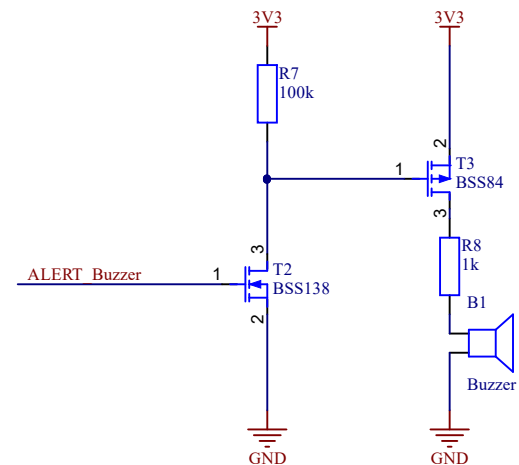
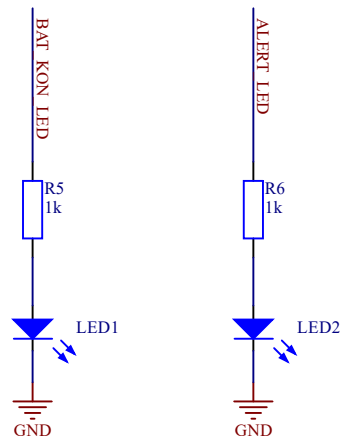
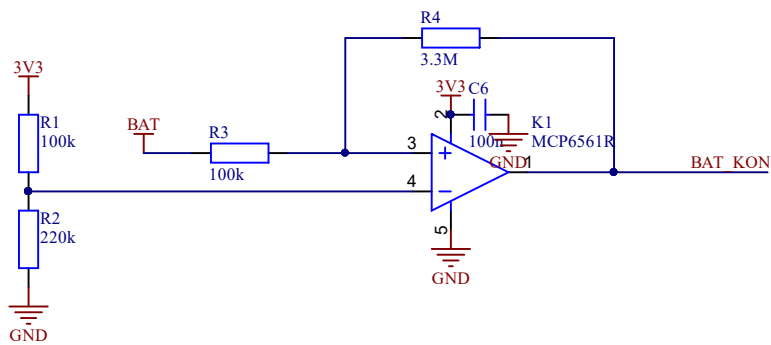
|                            |  |                           |          |
|----------------------------|--|---------------------------|----------|
| <b>Keyfinder nRF24L01+</b> |  |                           |          |
| Project: SmartBoard        |  | Size: A4                  | Rev.: v1 |
| Drawn by: M. Schwegler     |  | Sheet 3                   | of 4     |
| Date: 28.03.2017           |  | File: Keyfinder RF.SchDoc |          |

1

2

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4



## Keyfinder Alert

Project: SmartBoard

Size: A4

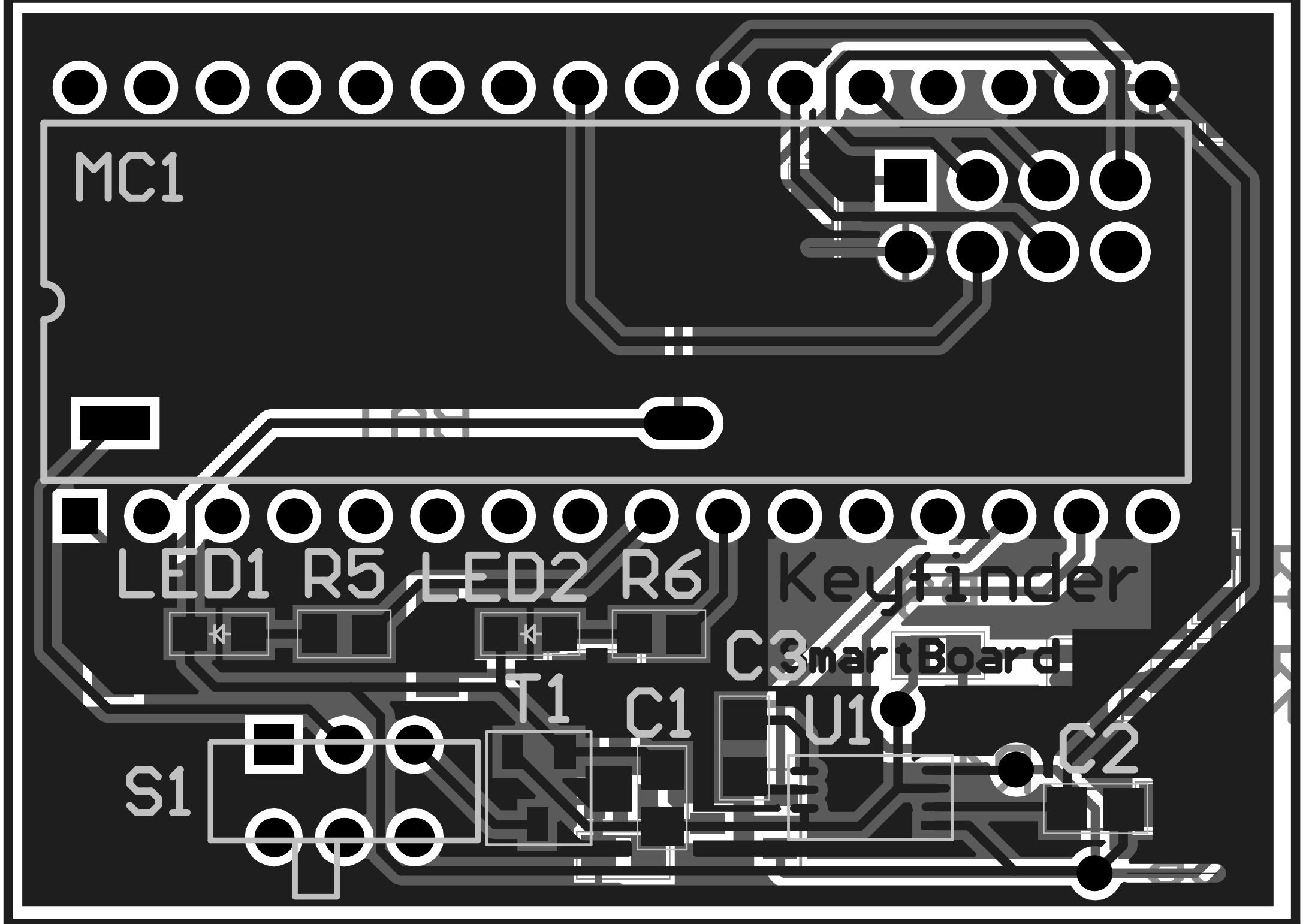
Rev.: v1

Drawn by: M. Schwegler

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Date: 28.03.2017

File: Keyfinder Alert.SchDoc



MC1



LED1

R5

LED2

R6

Keyfinder

Smart Board

C3

U1

C1

T1

C2

S1

| 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, R7 | 0805_R                     | R?   | 3        |
| 220k       | Normaler Widerstand                          | R2         | 0805_R                     | R?   | 1        |
| 3.3M       | Normaler Widerstand                          | R4         | 0805_R                     | R?   | 1        |
| 1k         | Normaler Widerstand                          | R5, R6, R8 | 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, T3     | SOT23-3                    | MOSFET-P 1G,2D,3S (Diode), MOSFET-P 1D,2G,3S | 2        |
| BSS138     | MOSFET-N 1D,2G,3S                            | T2         | SOT23-3                    | MOSFET-N 1D,2G,3S                            | 1        |
| MCP1252-33 |  | U1         | MSOP8                      | VOLTREG                                      | 1        |
|            |  |            |                            |  |          |