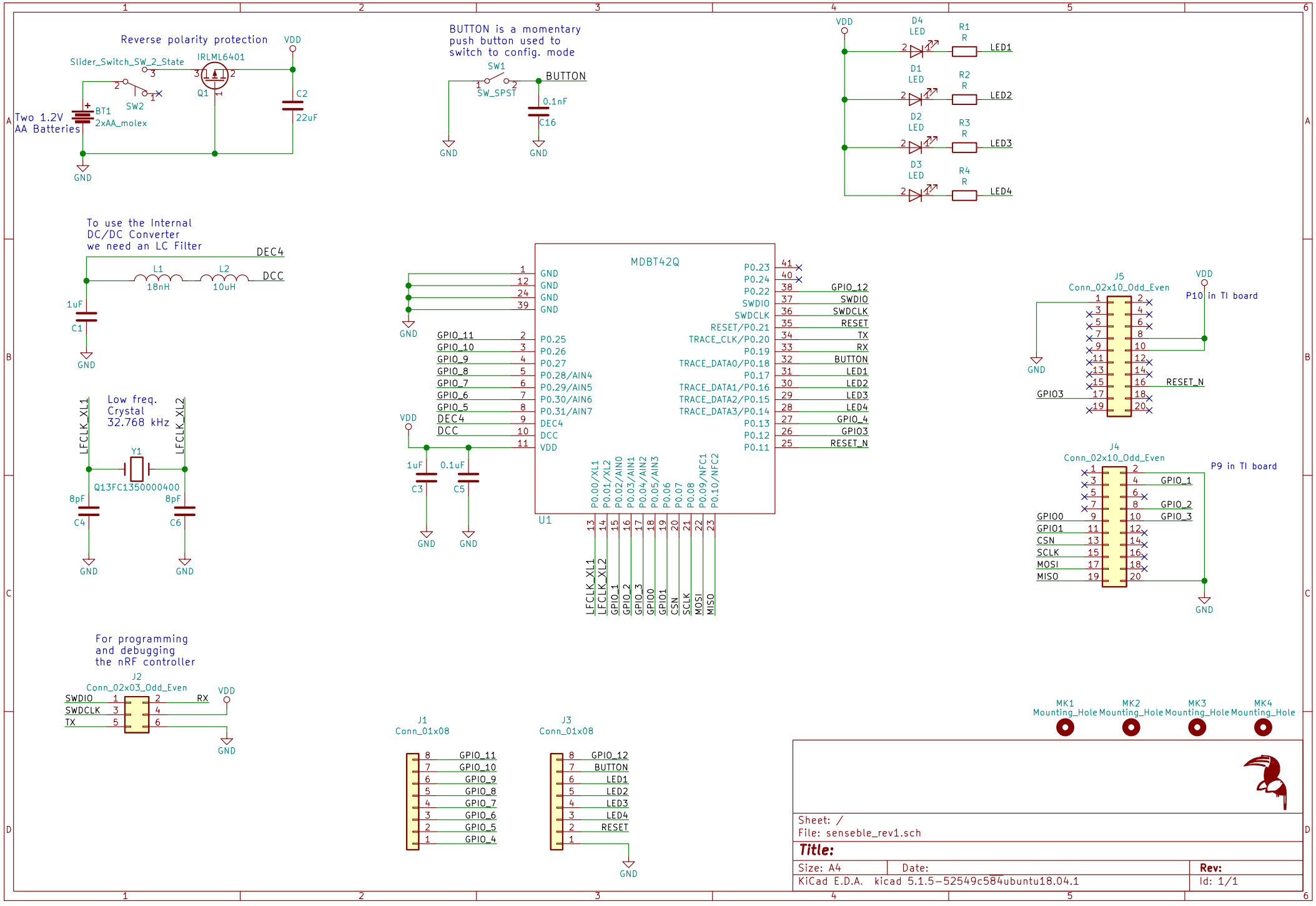
Reverse polarity protection
Slider_Switch_SW_2_State
IRLML6401
VDD
SW2
Q1
C2
22uF
Two 1.2V
AA Batteries
BT1
2xAA_molex
GND
BUTTON is a momentary
push button used to
switch to config. mode
SW1
SW_SPST
BUTTON
0.1nF
C16
GND
GND
VDD
D4
LED
R1
R
LED1
D1
LED
R2
R
LED2
D2
LED
R3
R
LED3
D3
LED
R4
R
LED4
To use the Internal
DC/DC Converter
we need an LC Filter
DEC4
L1
18nH
L2
10uH
DCC
1uF
C1
GND
Low freq.
Crystal
32.768 kHz
LFCLK_XL1
LFCLK_XL2
Y1
Q13FC1350000400
8pF
C4
8pF
C6
GND
GND
MDBT42Q
GND
GND
GND
GND
GPIO_11
GPIO_10
GPIO_9
GPIO_8
GPIO_7
GPIO_6
GPIO_5
DEC4
DCC
VDD
P0.25
P0.26
P0.27
P0.28/AIN4
P0.29/AIN5
P0.30/AIN6
P0.31/AIN7
DEC4
DCC
VDD
P0.23
P0.24
P0.22
SWDIO
SWDCLK
RESET/P0.21
TRACE_CLK/P0.20
P0.19
TRACE_DATA0/P0.18
P0.17
TRACE_DATA1/P0.16
TRACE_DATA2/P0.15
TRACE_DATA3/P0.14
P0.13
P0.12
P0.11
GPIO_12
SWDIO
SWDCLK
RESET
TX
RX
BUTTON
LED1
LED2
LED3
LED4
GPIO_4
GPIO3
RESET_N
P0.00/XL1
P0.01/XL2
P0.02/AIN0
P0.03/AIN1
P0.04/AIN2
P0.05/AIN3
P0.06
P0.07
P0.08
P0.09/NFC1
P0.10/NFC2
LFCLK_XL1
LFCLK_XL2
GPIO_1
GPIO_2
GPIO_3
GPIO0
GPIO1
CSN
SCLK
MOSI
MISO
U1
VDD
1uF
C3
0.1uF
C5
GND
GND
J5
Conn_02x10_Odd_Even
VDD
P10 in TI board
GND
GPIO3
RESET_N
J4
Conn_02x10_Odd_Even
P9 in TI board
GPIO_1
GPIO_2
GPIO_3
GPIO0
GPIO1
CSN
SCLK
MOSI
MISO
GND
For programming
and debugging
the nRF controller
J2
Conn_02x03_Odd_Even
SWDIO
SWDCLK
TX
RX
VDD
GND
J1
Conn_01x08
GPIO_11
GPIO_10
GPIO_9
GPIO_8
GPIO_7
GPIO_6
GPIO_5
GPIO_4
J3
Conn_01x08
GPIO_12
BUTTON
LED1
LED2
LED3
LED4
RESET
GND
MK1
Mounting_Hole
MK2
Mounting_Hole
MK3
Mounting_Hole
MK4
Mounting_Hole
Sheet: /
File: senseble_rev1.sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. kicad 5.1.5-52549c584ubuntu18.04.1
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