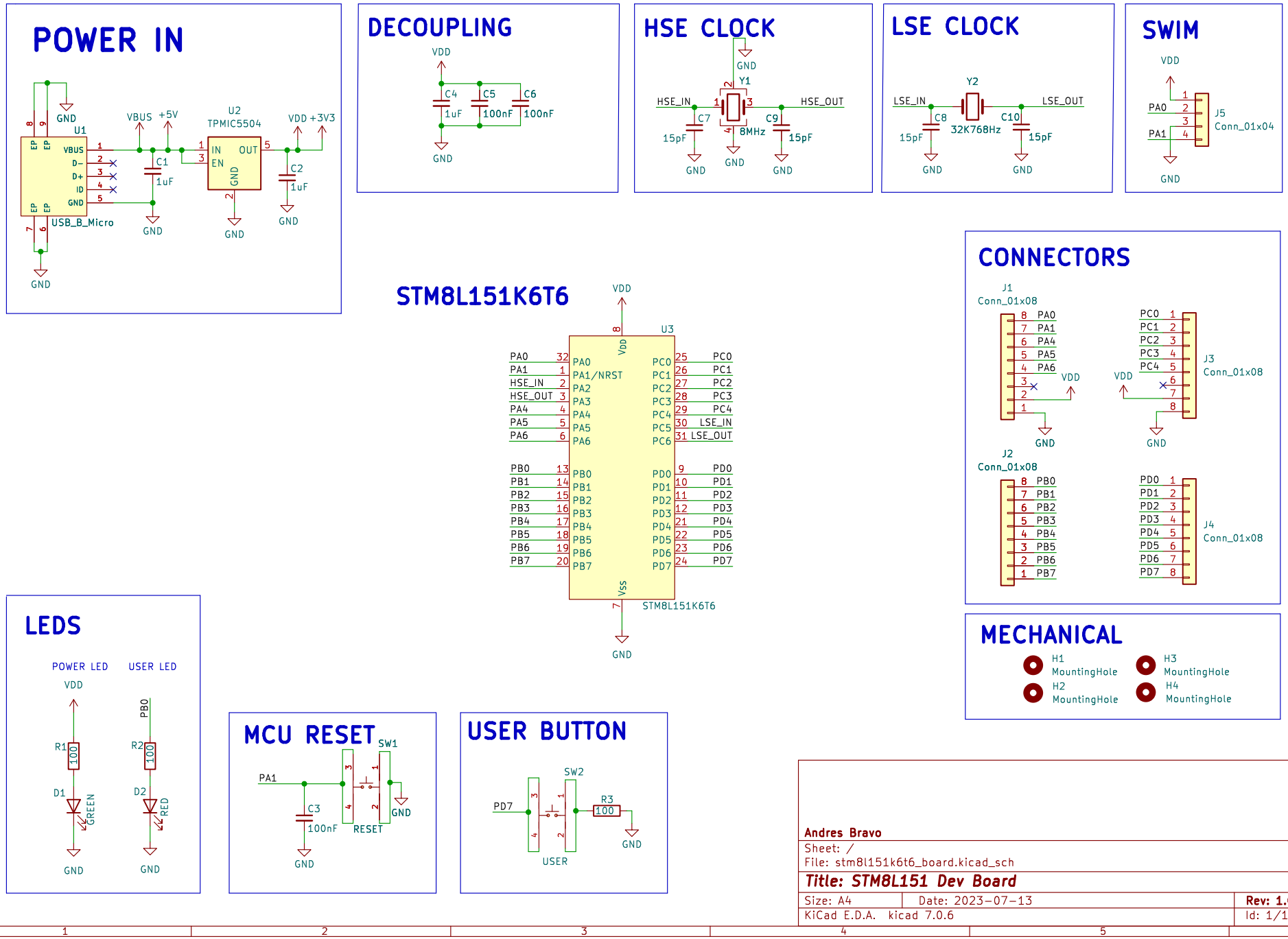
POWER IN
GND
VBUS +5V
U2
TPMIC5504
VDD +3V3
U1
VBUS
D-
D+
ID
GND
USB_B_Micro
C1
1uF
IN
EN
OUT
GND
C2
1uF
DECOUPLING
VDD
C4
1uF
C5
100nF
C6
100nF
HSE CLOCK
Y1
HSE_IN
HSE_OUT
C7
15pF
8MHz
C9
15pF
LSE CLOCK
Y2
LSE_IN
LSE_OUT
C8
15pF
32K768Hz
C10
15pF
SWIM
PA0
PA1
J5
Conn_01x04
STM8L151K6T6
U3
Vdd
Vss
PA0
PA1/NRST
HSE_IN
HSE_OUT
PA4
PA5
PA6
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
PC0
PC1
PC2
PC3
PC4
LSE_IN
LSE_OUT
PD0
PD1
PD2
PD3
PD4
PD5
PD6
PD7
CONNECTORS
J1
Conn_01x08
J2
Conn_01x08
J3
Conn_01x08
J4
Conn_01x08
MECHANICAL
H1
MountingHole
H2
MountingHole
H3
MountingHole
H4
MountingHole
LEDS
POWER LED
USER LED
R1
100
R2
100
D1
GREEN
D2
RED
MCU RESET
SW1
C3
100nF
RESET
USER BUTTON
SW2
R3
100
USER
Andres Bravo
Sheet: /
File: stm8l151k6t6_board.kicad_sch
Title: STM8L151 Dev Board
Size: A4
Date: 2023-07-13
Rev: 1.0
KiCad E.D.A. kicad 7.0.6
Id: 1/1