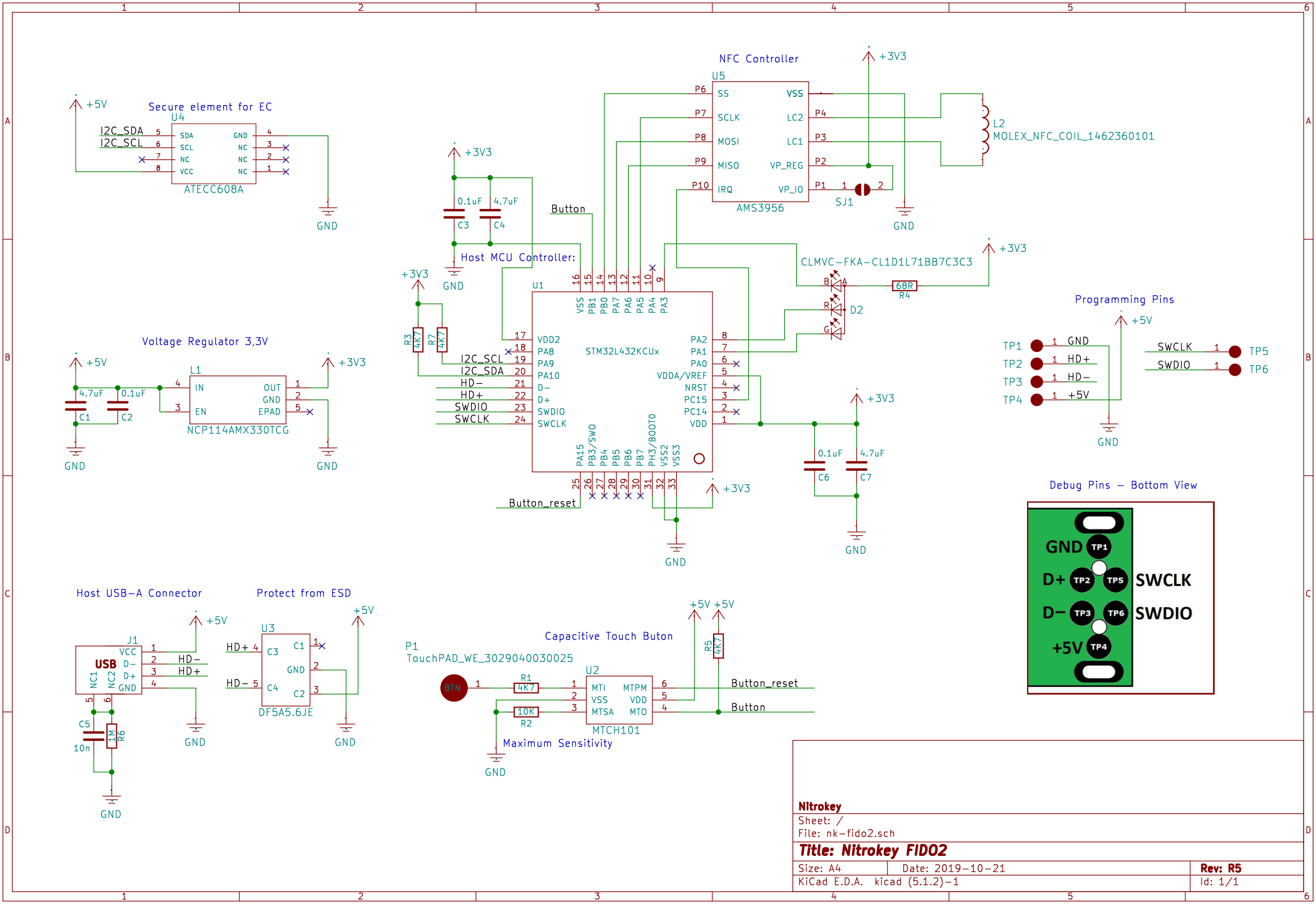
Secure element for EC
U4
ATECC608A
I2C_SDA
I2C_SCL
+5V
GND
NFC Controller
U5
AMS3956
SS
SCLK
MOSI
MISO
IRQ
VSS
LC2
LC1
VP_REG
VP_IO
L2
MOLEX_NFC_COIL_1462360101
SJ1
+3V3
Host MCU Controller:
U1
STM32L432KCUx
Button
Button_reset
HD−
HD+
SWDIO
SWCLK
CLMVC−FKA−CL1D1L71BB7C3C3
D2
68R
R4
Voltage Regulator 3,3V
L1
NCP114AMX330TCG
IN
OUT
EN
GND
EPAD
Programming Pins
TP1
TP2
TP3
TP4
TP5
TP6
Debug Pins − Bottom View
Host USB−A Connector
J1
USB
VCC
D−
D+
GND
NC1
NC2
Protect from ESD
U3
DF5A5.6JE
C3
C4
C1
C2
Capacitive Touch Buton
P1
TouchPAD_WE_3029040030025
BTN
R1
4K7
R2
10K
U2
MTCH101
MTI
VSS
MTSA
MTPM
VDD
MTO
R5
Maximum Sensitivity
Nitrokey
Sheet: /
File: nk−fido2.sch
Title: Nitrokey FIDO2
Size: A4
Date: 2019−10−21
Rev: R5
KiCad E.D.A. kicad (5.1.2)−1
Id: 1/1