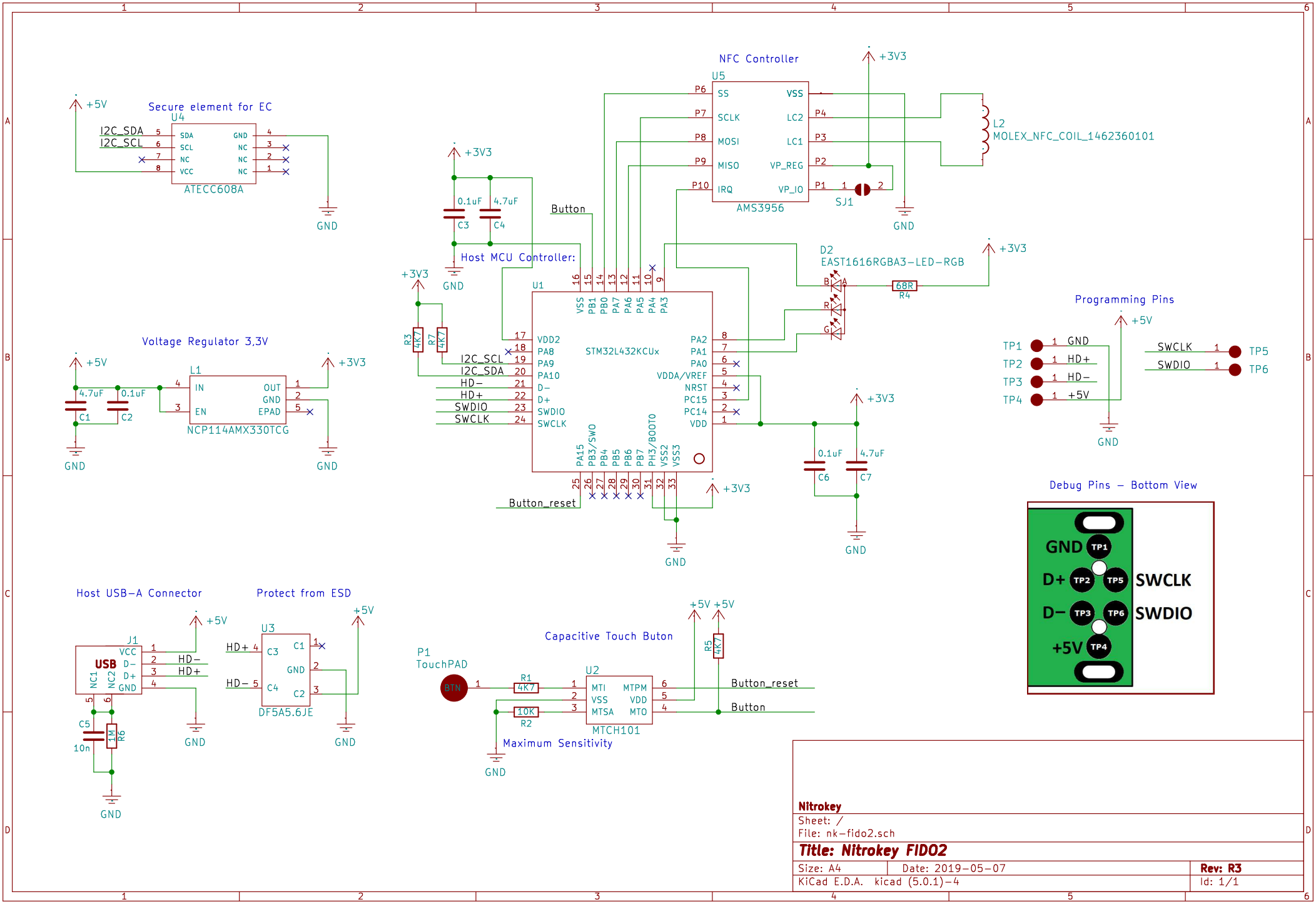
Secure element for EC
U4
ATECC608A
I2C_SDA
I2C_SCL
+5V
GND
NFC Controller
U5
AMS3956
SS
SCLK
MOSI
MISO
IRQ
VSS
LC2
LC1
VP_REG
VP_IO
L2
MOLEX_NFC_COIL_1462360101
SJ1
+3V3
Host MCU Controller:
U1
STM32L432KCUx
Button
Button_reset
D2
EAST1616RGBA3-LED-RGB
68R
R4
Voltage Regulator 3,3V
L1
NCP114AMX330TCG
4.7uF
0.1uF
C1
C2
Programming Pins
TP1
TP2
TP3
TP4
TP5
TP6
GND
HD+
HD-
SWCLK
SWDIO
Debug Pins - Bottom View
Host USB-A Connector
J1
USB
VCC
D-
D+
GND
NC1
NC2
C5
10n
R6
1M
Protect from ESD
U3
DF5A5.6JE
C3
C4
C1
C2
Capacitive Touch Buton
P1
TouchPAD
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: 2019-05-07
Rev: R3
KiCad E.D.A. kicad (5.0.1)-4
Id: 1/1