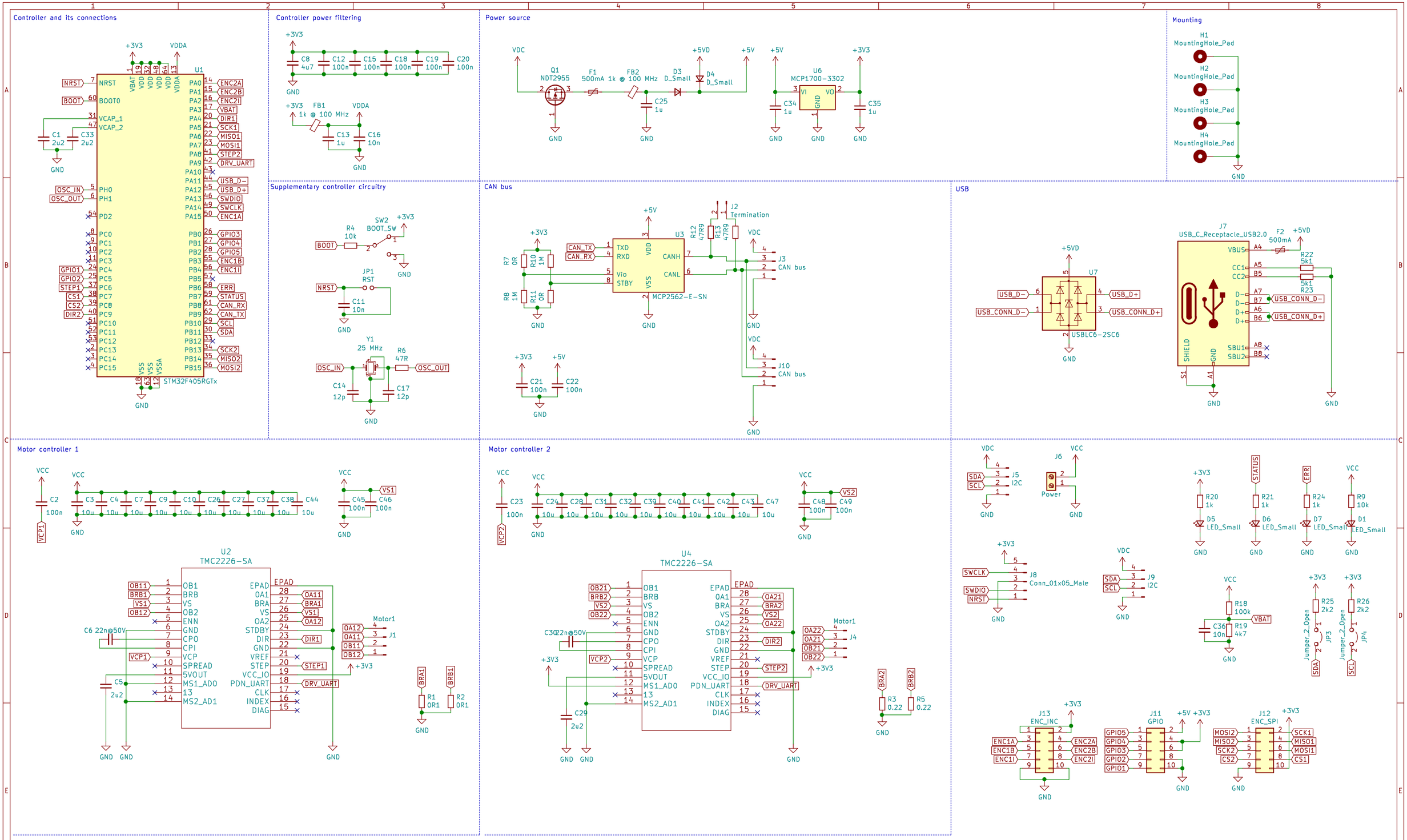
Controller and its connections
Controller power filtering
Power source
Mounting
Supplementary controller circuitry
CAN bus
USB
Motor controller 1
Motor controller 2
U1
STM32F405RGTx
U2
TMC2226-SA
U4
TMC2226-SA
U3
MCP2562-E-SN
U6
MCP1700-3302
U7
USBLC6-2SC6
J7
USB_C_Receptacle_USB2.0
J1
J2
Termination
J3
CAN bus
J10
CAN bus
J4
J5
I2C
J6
Power
J8
Conn_01x05_Male
J9
I2C
J13
ENC_INC
J11
GPIO
J12
ENC_SPI
Q1
NDT2955
H1
MountingHole_Pad
H2
MountingHole_Pad
H3
MountingHole_Pad
H4
MountingHole_Pad
Brno University of Technology
Sheet: /
File: sm4.sch
Title: SM4 – stepper motor controller
Size: A3
Date: 2020-12-19
Rev: Alpha1
KiCad E.D.A. kicad 5.1.10
Id: 1/1