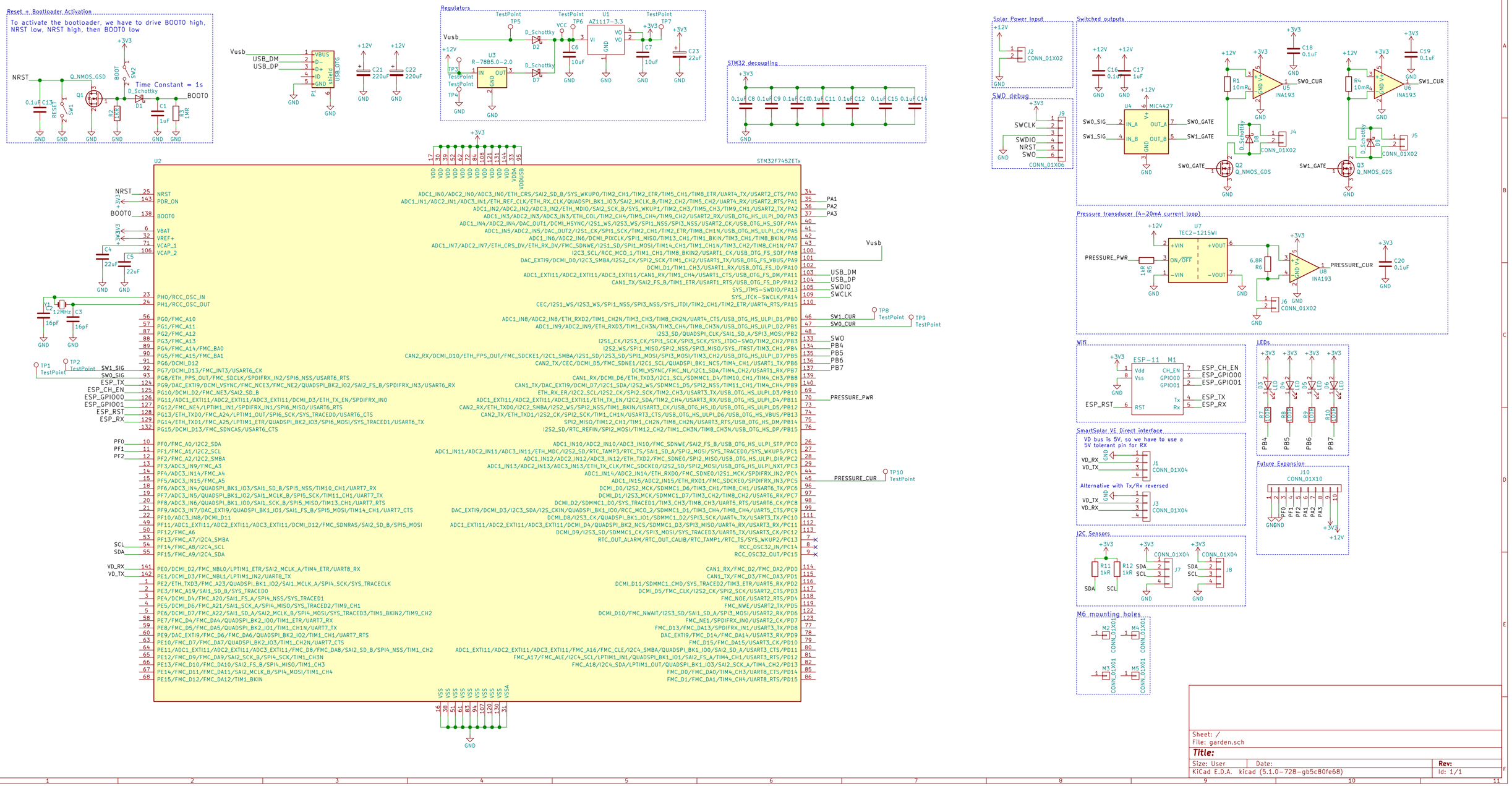
Reset + Bootloader Activation
To activate the bootloader, we have to drive BOOT0 high, NRST low, NRST high, then BOOT0 low
Time Constant = 1s
Regulators
STM32 decoupling
Solar Power Input
SWD debug
Switched outputs
Pressure transducer (4-20mA current loop)
Wifi
SmartSolar VE Direct Interface
VD bus is 5V, so we have to use a 5V tolerant pin for RX
Alternative with Tx/Rx reversed
I2C Sensors
M6 mounting holes
LEDs
Future Expansion
STM32F745ZETx
Sheet: /
File: garden.sch
Title:
Size: User
Date:
Rev:
KiCad E.D.A. kicad (5.1.0-728-gb5c80fe68)
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