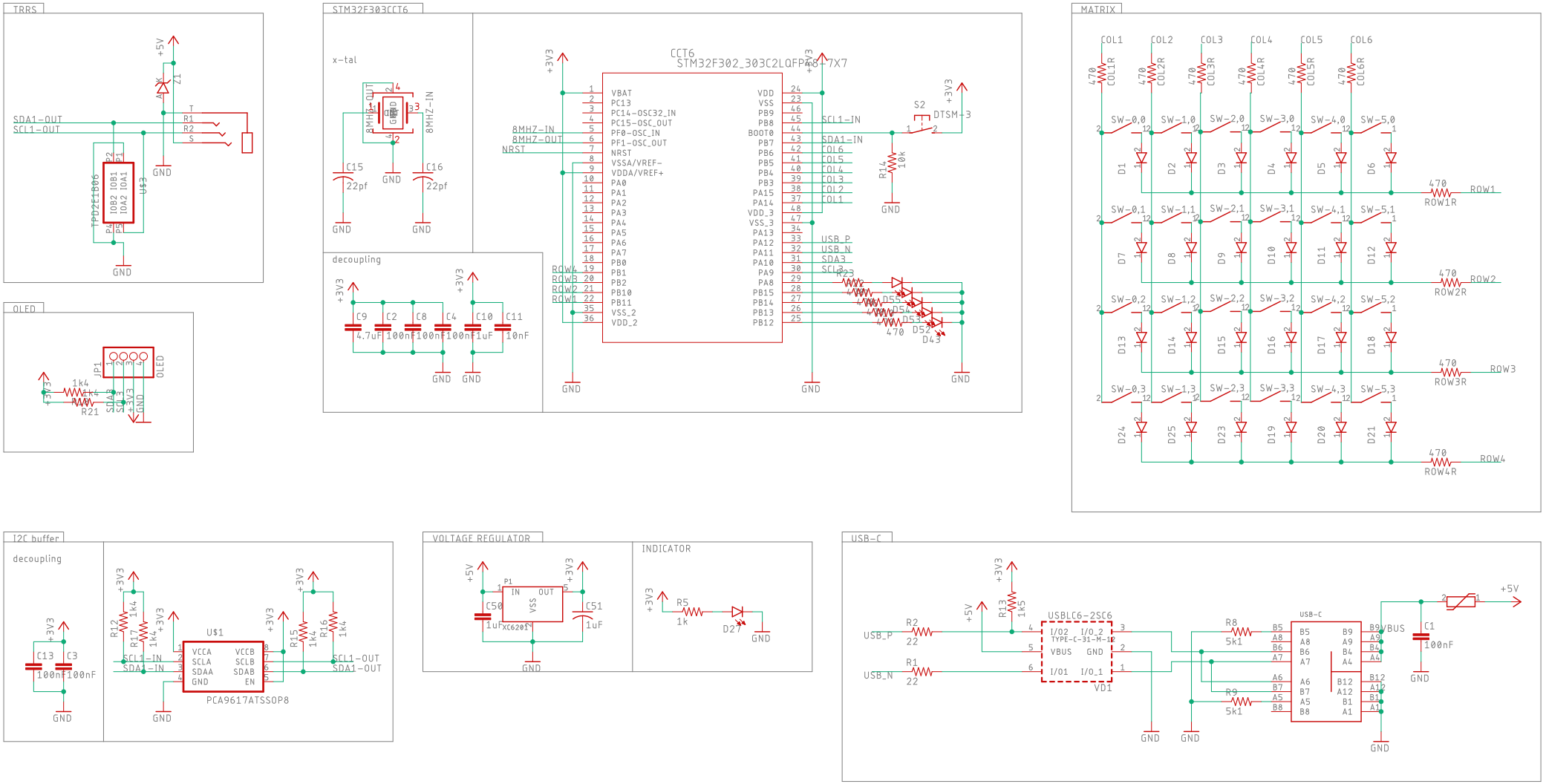
TRRS
SDA1-OUT
SCL1-OUT
+5V
Z1
GND
U$3
TPD2E1B06
STM32F303CCT6
x-tal
8MHZ-OUT
8MHZ-IN
C15
22pf
C16
22pf
CCT6
STM32F302_303C2LQFP48-7X7
+3V3
VBAT
PC13
PC14-OSC32_IN
PC15-OSC32_OUT
PF0-OSC_IN
PF1-OSC_OUT
NRST
VSSA/VREF-
VDDA/VREF+
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PB0
PB1
PB2
PB10
PB11
VSS_2
VDD_2
VDD
VSS
PB9
PB8
BOOT0
PB7
PB6
PB5
PB4
PB3
PA15
PA14
VDD_3
VSS_3
PA13
PA12
PA11
PA10
PA9
PA8
PB15
PB14
PB13
PB12
SCL1-IN
SDA1-IN
COL6
COL5
COL4
COL3
COL2
COL1
USB_P
USB_N
SDA3
SCL3
ROW4
ROW3
ROW2
ROW1
S2
DTSM-3
R14
10k
R23
D55
D54
D53
D52
D43
470
decoupling
C9
4.7uF
C2
100nF
C8
100nF
C4
100nF
C10
1uF
C11
10nF
OLED
JP1
1k4
R21
SDA3
SCL3
MATRIX
COL1
COL2
COL3
COL4
COL5
COL6
470
COL1R
COL2R
COL3R
COL4R
COL5R
COL6R
SW-0,0
SW-1,0
SW-2,0
SW-3,0
SW-4,0
SW-5,0
SW-0,1
SW-1,1
SW-2,1
SW-3,1
SW-4,1
SW-5,1
SW-0,2
SW-1,2
SW-2,2
SW-3,2
SW-4,2
SW-5,2
SW-0,3
SW-1,3
SW-2,3
SW-3,3
SW-4,3
SW-5,3
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
D14
D15
D16
D17
D18
D24
D25
D23
D19
D20
D21
ROW1R
ROW2R
ROW3R
ROW4R
ROW1
ROW2
ROW3
ROW4
I2C buffer
decoupling
C13
100nF
C3
100nF
R12
1k4
R17
1k4
U$1
VCCA
SCLA
SDAA
GND
VCCB
SCLB
SDAB
EN
PCA9617ATSSOP8
SCL1-IN
SDA1-IN
SCL1-OUT
SDA1-OUT
R15
1k4
R16
1k4
VOLTAGE REGULATOR
P1
IN
OUT
VSS
C50
1uF
XC6201
C51
1uF
INDICATOR
R5
1k
D27
USB-C
USB_P
USB_N
R2
22
R1
22
R13
1k5
USBLC6-2SC6
I/O2
I/O_2
TYPE-C-31-M-12
VBUS
GND
I/O1
I/O_1
VD1
R8
5k1
R9
5k1
USB-C
B5
A8
B6
A7
A6
B7
A5
B8
B9
A9
B4
A4
B12
A12
B1
A1
B9/VBUS
C1
100nF
+5V