

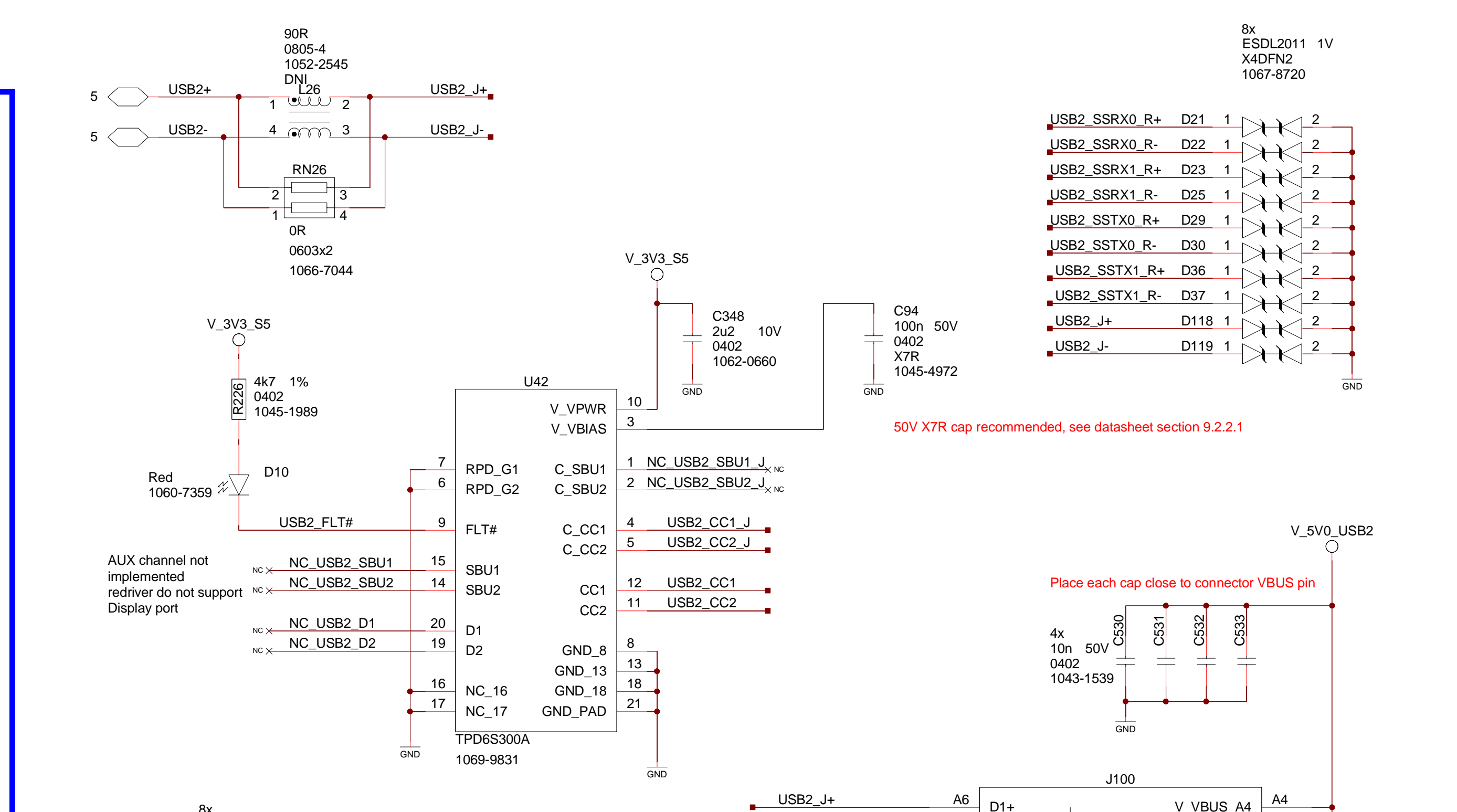
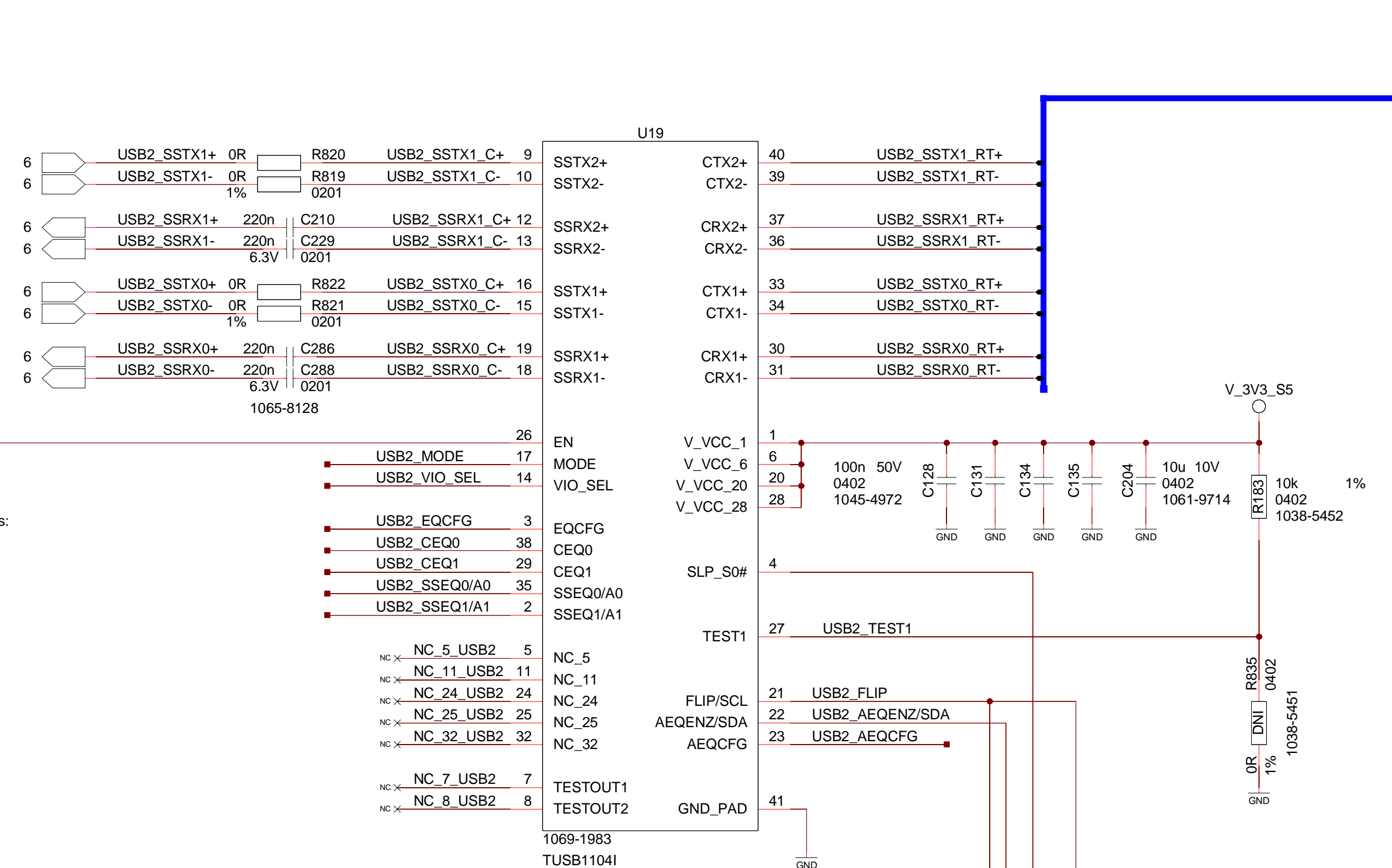
USB-C Port 2

USB 3.2x2

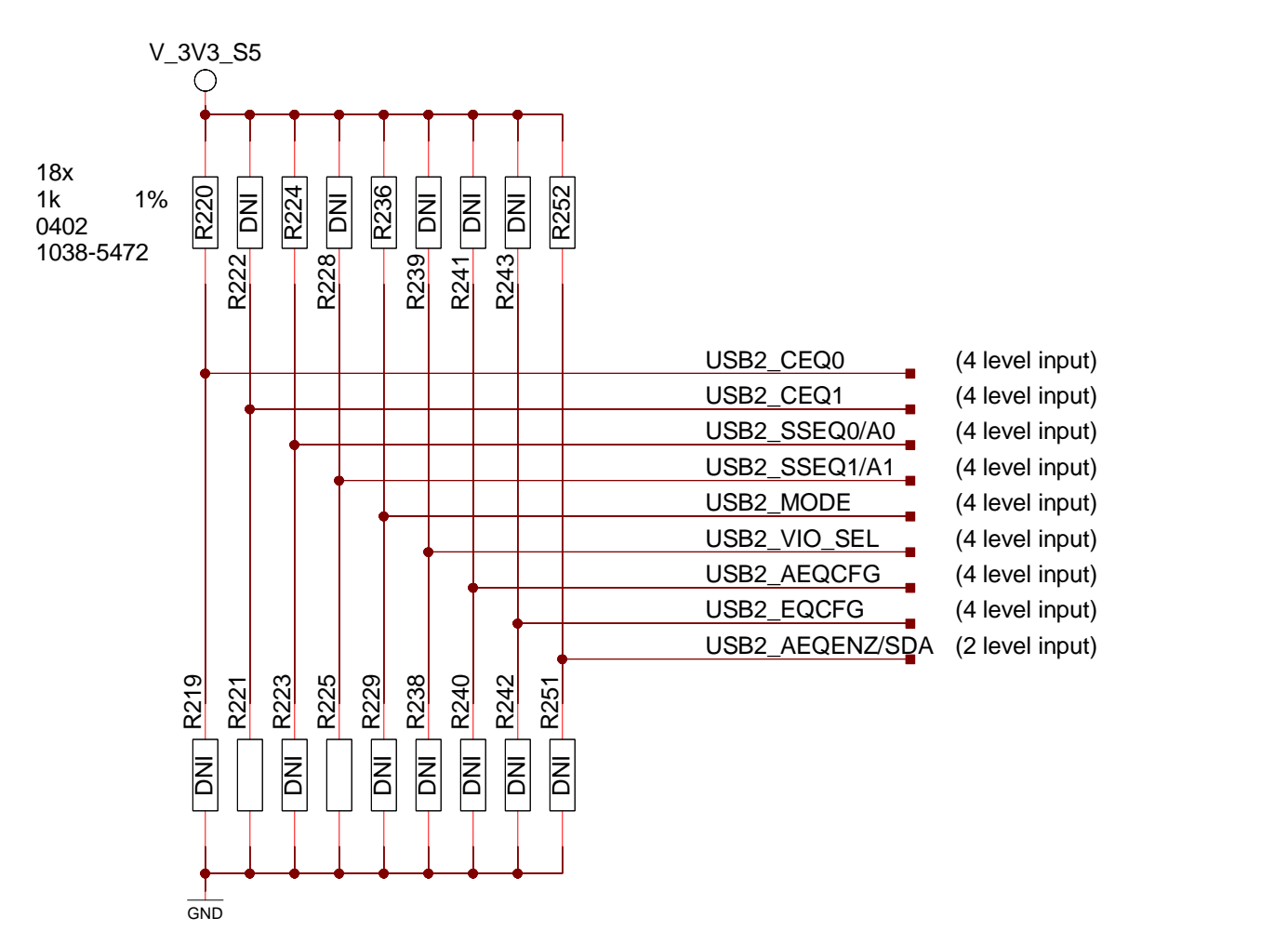
Note: It is possible to use alternatively TUSB1142 (with MUX/DEMUX) instead of TUSB1104I with these differences:

MODE (pin 17)
 TUSB1142: LOW -> pin-strap mode / FLOAT -> I2C mode
 TUSB1104I: HIGH -> pin-strap mode / FLOAT -> I2C mode

TEST1 (pin 27)
 TUSB1142: TI Test1. Under normal operations, this pin shall be connected directly or pull-down to GND
 TUSB1104I: TI Test1. Under normal operations this pin shall be connected directly or pulled up to VCC



HW strapping redriver configuration



Mode = 1 = Pin strap mode
 VIO_SEL = F = 3.3V (for I2C but I2C is not used)

USB Host Facing port Receiver (SSTX1 and SSTX2 pins) Equalization control (see Table 8-3 in datasheet)
 SSEQ1 = 0 and SSEQ0 = 1 => EQ Gain 6.0 dB

USB Connector Facing Port Receiver (CRX1 and CRX2 Pins) Equalization Control (see table 8-2 in datasheet)
 CEQ1 = 0 and CEQ0 = 1 => EQ Gain 5.0 dB

AEQCFG = F = FULLAEQ_UPPER_EQ limit = 0x8h
 AEQENZ = 1 = AEQ disabled

EQCFG = F = 16 possible gain setting based on SSEQ0, SSEQ1, CEQ0, CEQ1 setting. See table 8-6 in datasheet

USB-C 5V S5/S0 switch

