

Root [0]

Technical Sheet Only!
Please refer to the subsequent sheets for schematic

FTDI



File: ftdi.kicad_sch

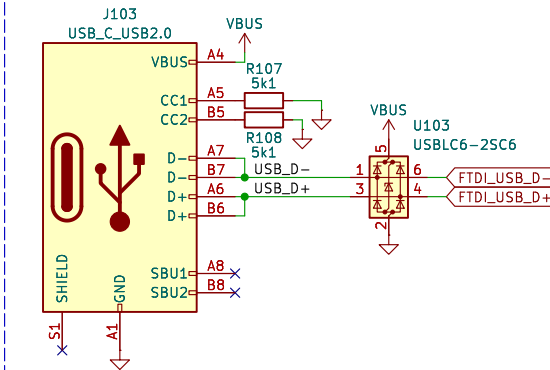
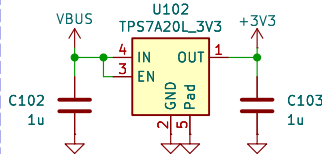
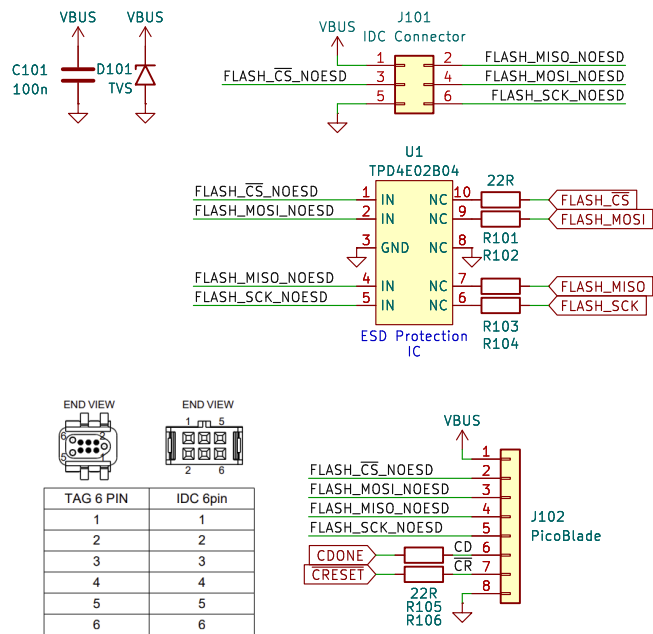
Programming



File: programming.kicad_sch

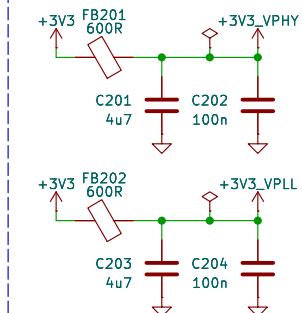
Czech Technical University in Prague		
Sheet: /		
File: Programmer_Board.kicad_sch		
Title: VoxSense Sensor Board Programmer – Root		
Size: A4	Date: 2025–12–09	Rev: 1.0
KiCad E.D.A. 9.0.4		Id: 0/3

Programming Interfaces [1]



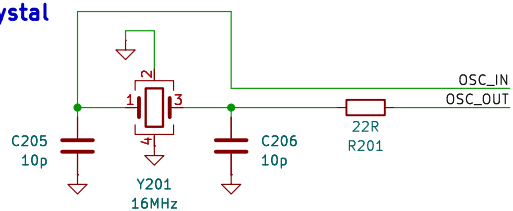
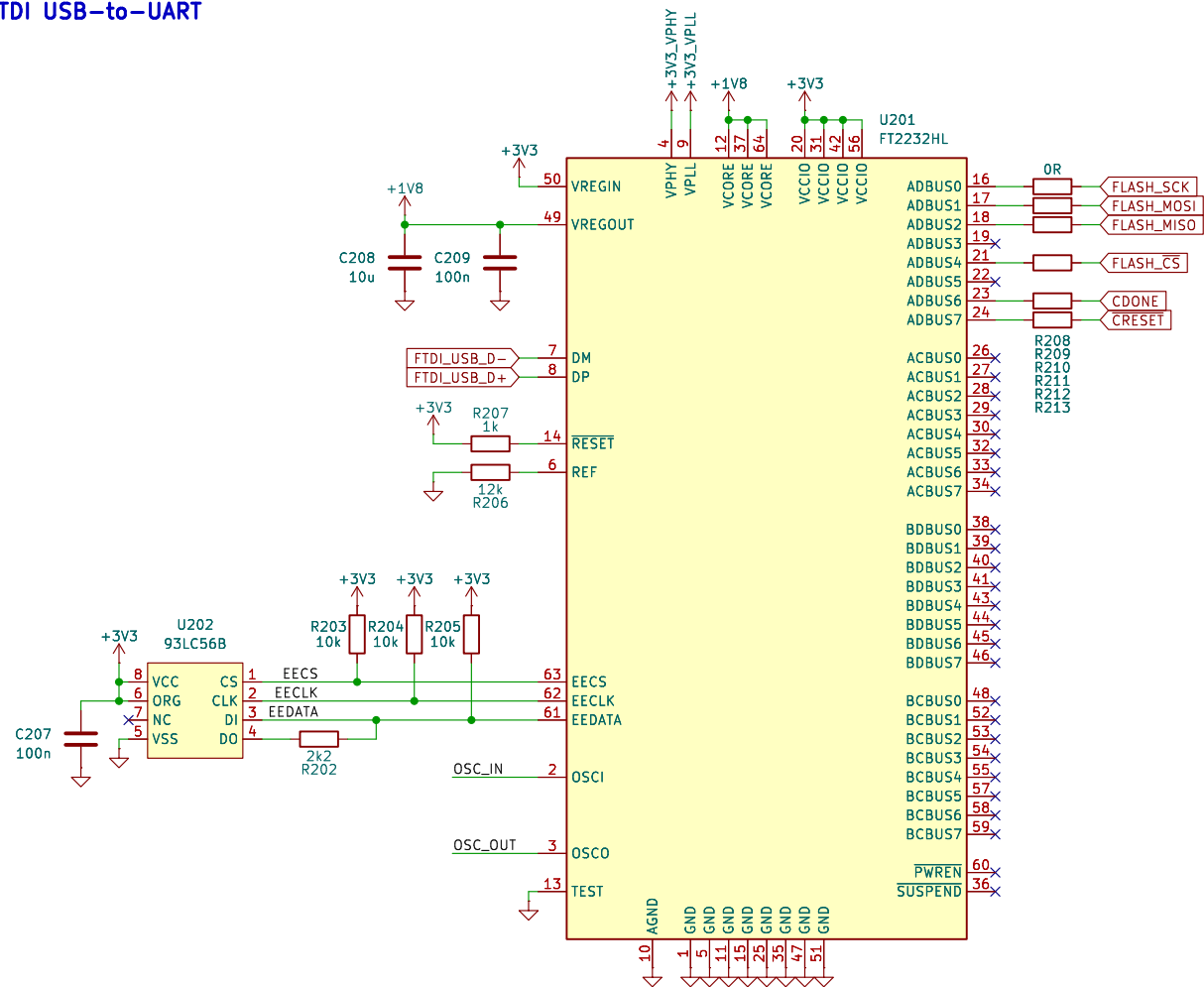
FTDI USB-to-UART

Filtering



Ferrite beads must
be rated at least for 600mA

Crystal


$$(10\text{pF Load Capacitance} - 5\text{pF Stray Capacitance}) * 2 = 10\text{pF Load Capacitors}$$


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Sheet: /FTDI/
File: ftdi.kicad_sch

Title: *FTDI*

Size: A4	Date: 2025-12-13
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SIZE: A1	
KiCad E.D.A. 9.0.4	

Rev: 1.0

Id: 2/3