

Root [0]

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

Power



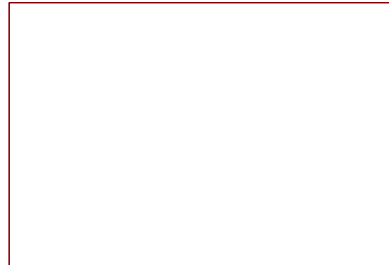
File: power.kicad_sch

Sensor



File: Sensor.kicad_sch

System



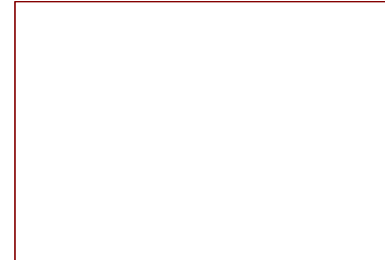
File: System.kicad_sch

eFuse



File: efuse.kicad_sch

Connectivity



File: connectivity.kicad_sch

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Sheet: /

File: VoxSense.kicad_sch

Title: VoxSense Sensor Board – Root

Size: A4

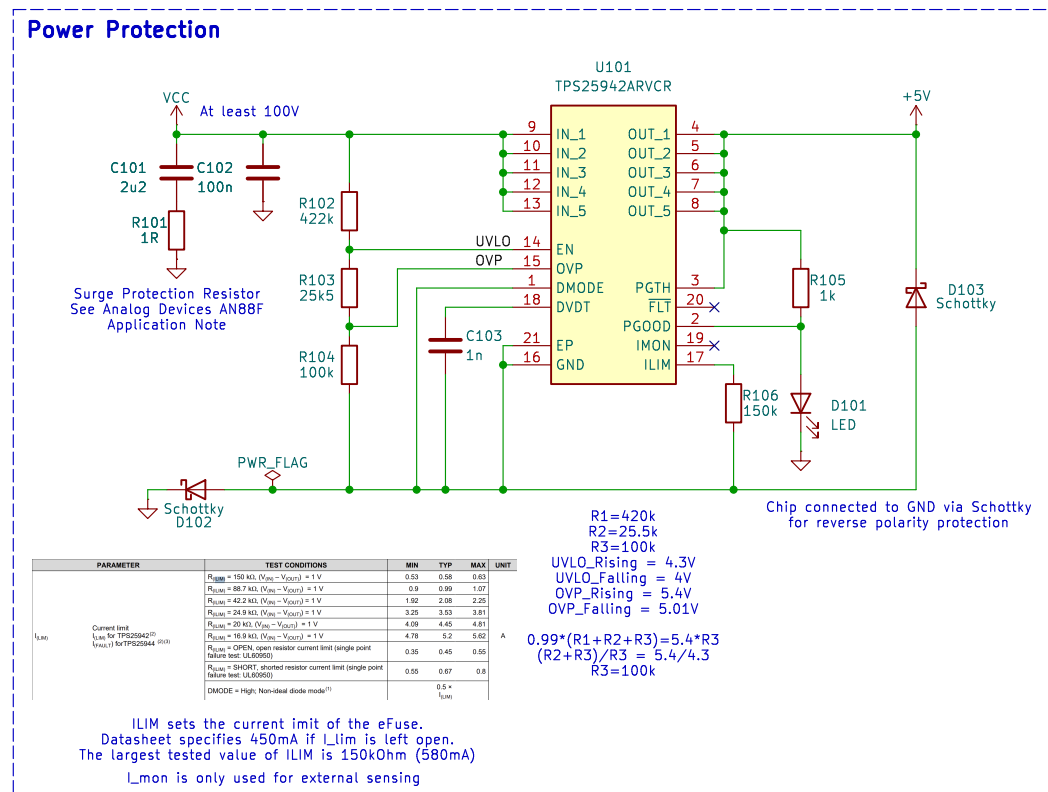
Date: 2025–11–17

Rev: 1.0

KiCad E.D.A. 9.0.6

Id: 0/6

eFuse [1]



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Sheet: /eFuse/
File: efuse.kicad_sch

Title: eFuse

Size: A4	Date: 2025-12-04
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Rev: 1.0

Id: 1/6

A	
B	
C	
D	

B	
C	



D



1

PicoBlade Programming Connector



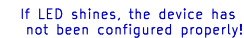
Used for LED driving



External Oscillator



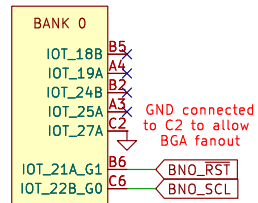
VCCI01 = 3V3



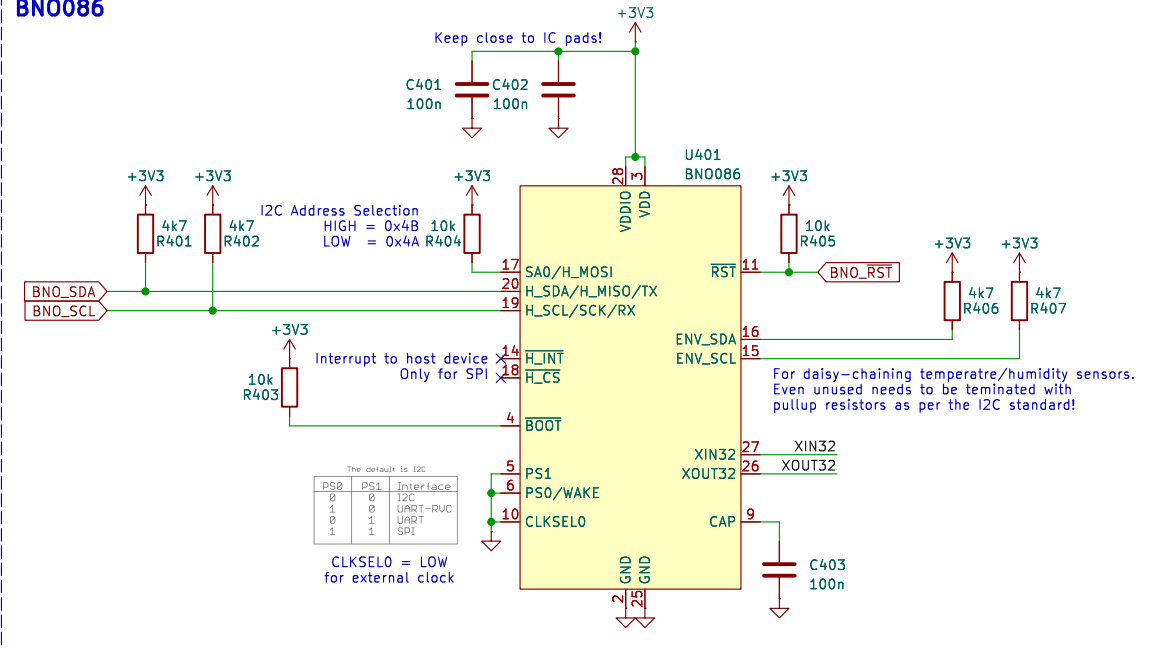
Id: 3/6

Sensor [4]

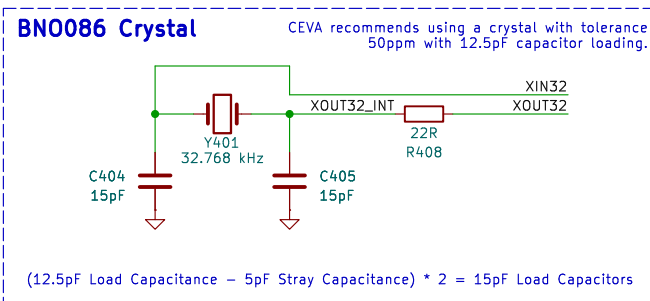
I2C Interface



BN0086



BN0086 Crystal



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Sheet: /Sensor/
File: Sensor.kicad_sch

Title: Sensor

Size: A4 Date: 2025-11-18

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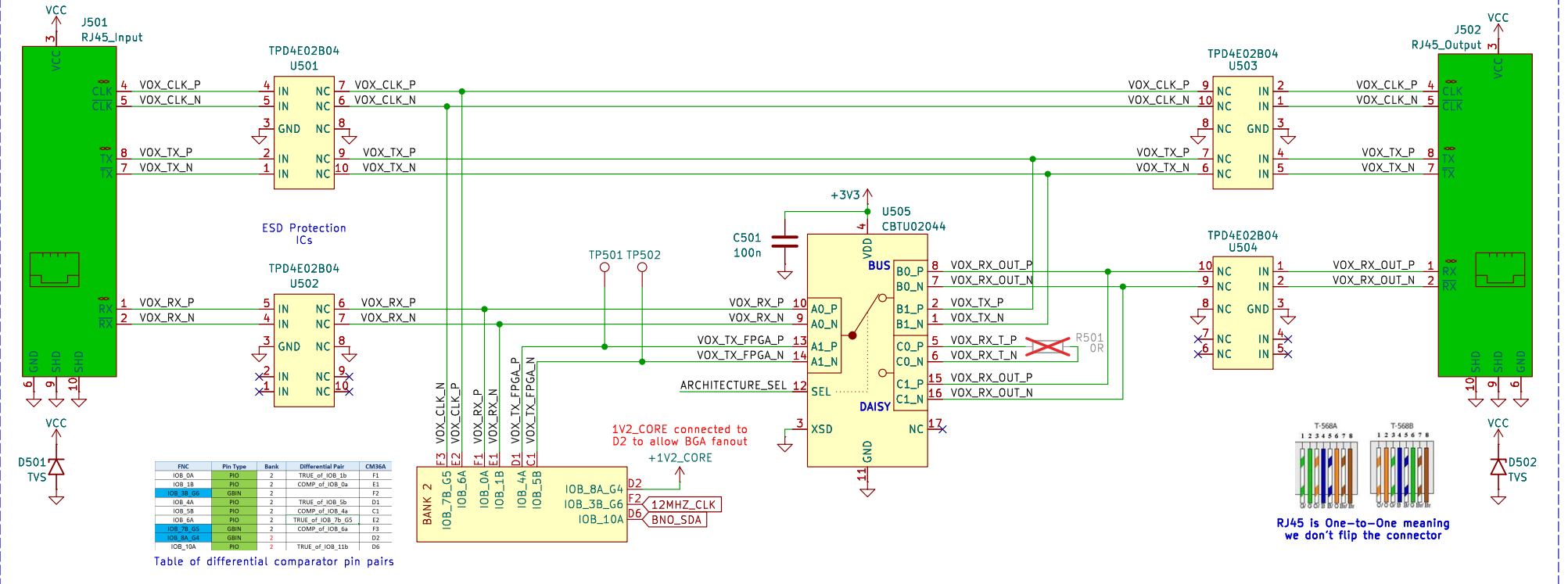
Rev: 1.0

Id: 4/6

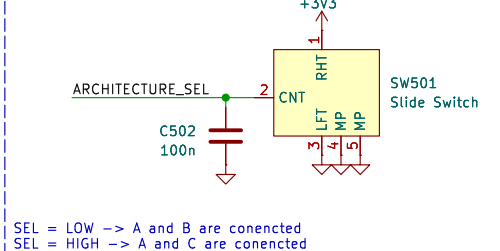
Connectivity [5]

VoxLink Ethernet Connection + Bus / Daisy Chain Switch

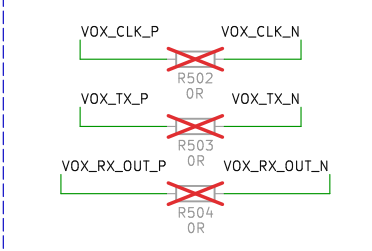
No Placement (NOP) – Used for the possibility of terminating the differential pairs to prevent reflections



Architecture Selection



Termination Resistors



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Sheet: /Connectivity/
File: connectivity.kicad_sch

Title: Connectivity

Size: A4 Date: 2025-12-21

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Rev: 1.0

Id: 5/6