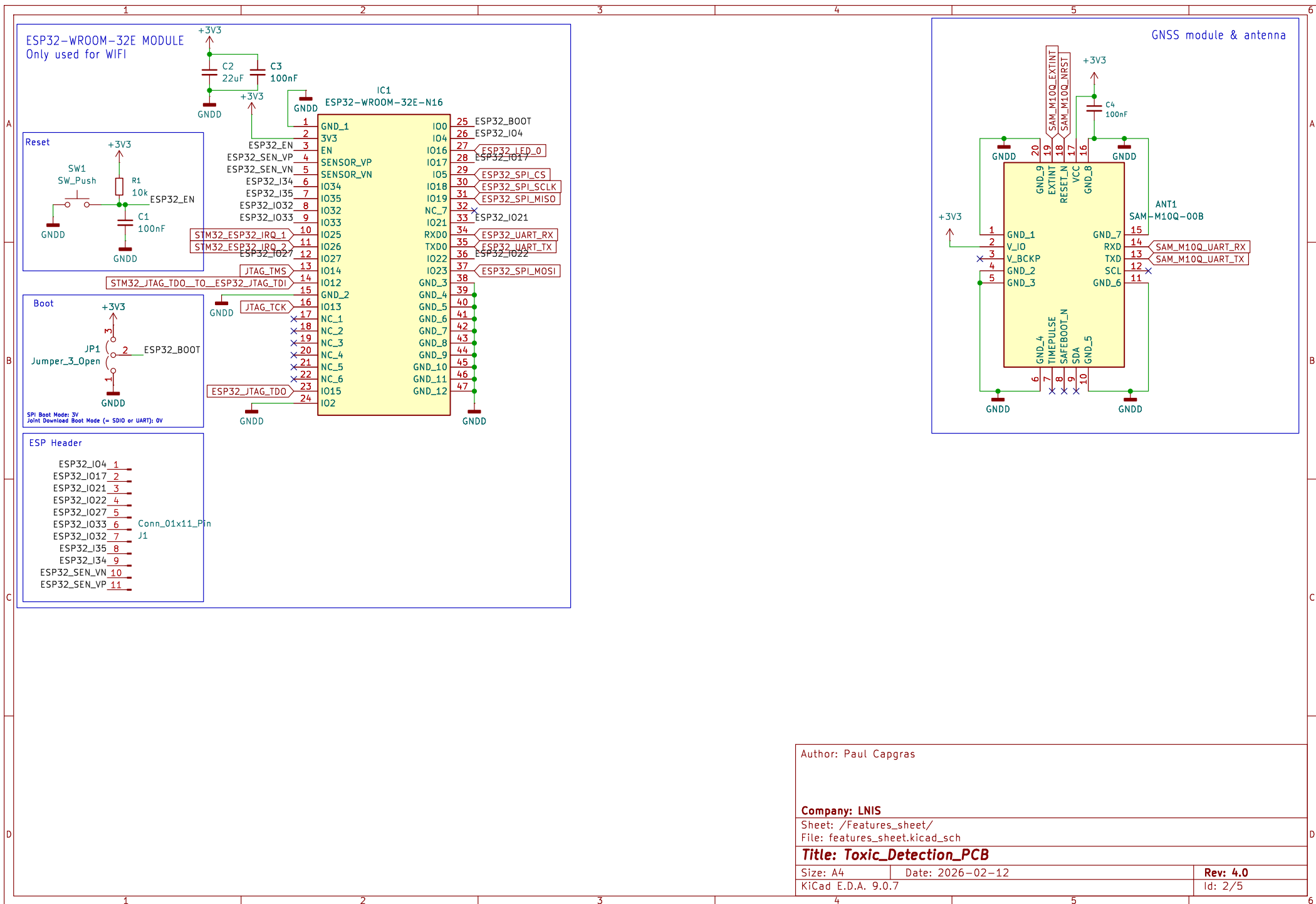
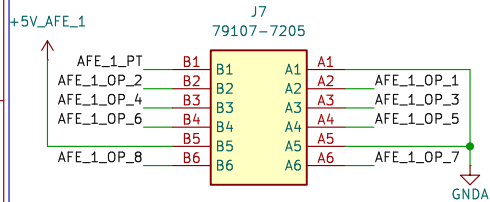
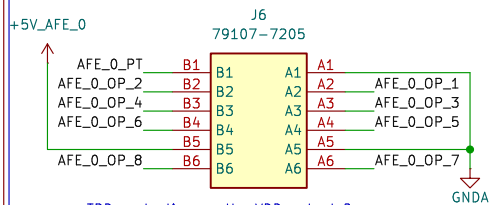


1	2	3	4	5	6	
A	<div>STM32_Sheet</div> <div>AFE_Sensor_Sheet</div> <div>Features_sheet</div> <div>Power_And_Connectors_Sheet</div> <div>File: stm32_sheet.kicad_sch</div> <div>File: sensor_sheet.kicad_sch</div> <div>File: features_sheet.kicad_sch</div> <div>File: power_and_connectors.kicad_sch</div>					A
B						B
C						C
D	<div>Author: Paul Capgras</div> <div>Company: LNIS</div> <div>Sheet: /</div> <div>File: Toxic_Detection_v4.0.kicad_sch</div> <div>Title: Toxic_Detection_PCB</div> <div>Size: A4</div> <div>Date: 2026-02-12</div> <div>KiCad E.D.A. 9.0.7</div> <div>Rev: 4.0</div> <div>Id: 1/5</div>					D
1	2	3	4	5	6	





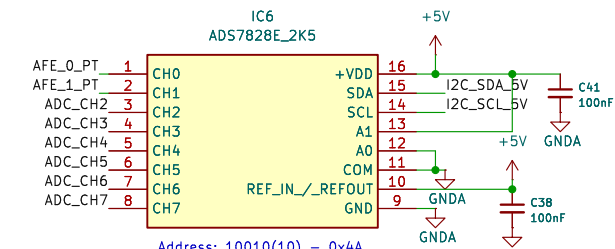
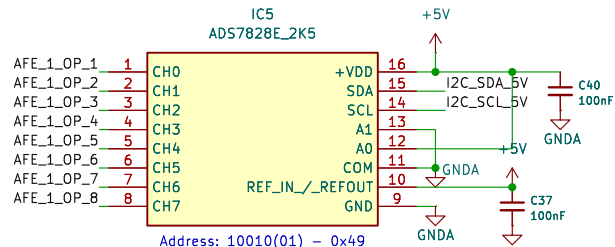
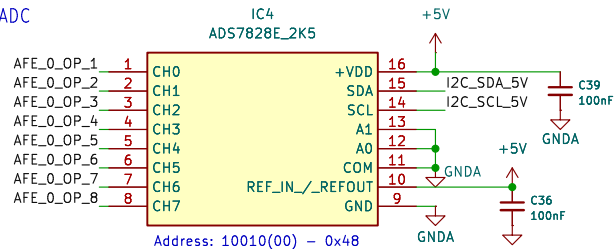
## AFE connectors



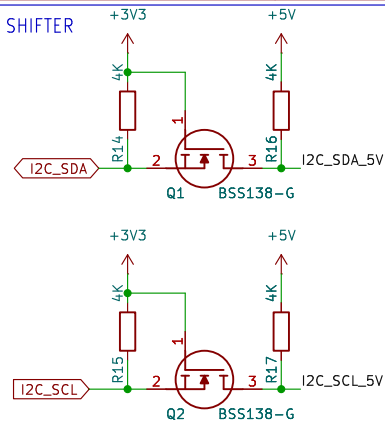
ADC\_CH2 1  
ADC\_CH3 2  
ADC\_CH4 3  
ADC\_CH5 4  
ADC\_CH6 5  
ADC\_CH7 6

J14  
Conn\_01x06\_Pin

## ADC



## LEVEL SHIFTER



Design credits: [https://cdn.sparkfun.com/datasheets/BreakoutBoards/Logic\\_Level\\_Bidirectional.pdf](https://cdn.sparkfun.com/datasheets/BreakoutBoards/Logic_Level_Bidirectional.pdf)

Author: Paul Capgras

Company: LNIS

Sheet: /AFE\_Sensor\_Sheet/

File: sensor\_sheet.kicad\_sch

Title: Toxic\_Detection\_PCB

Size: A4

Date: 2026-02-12

KiCad E.D.A. 9.0.7

Rev: 4.0

Id: 4/5

