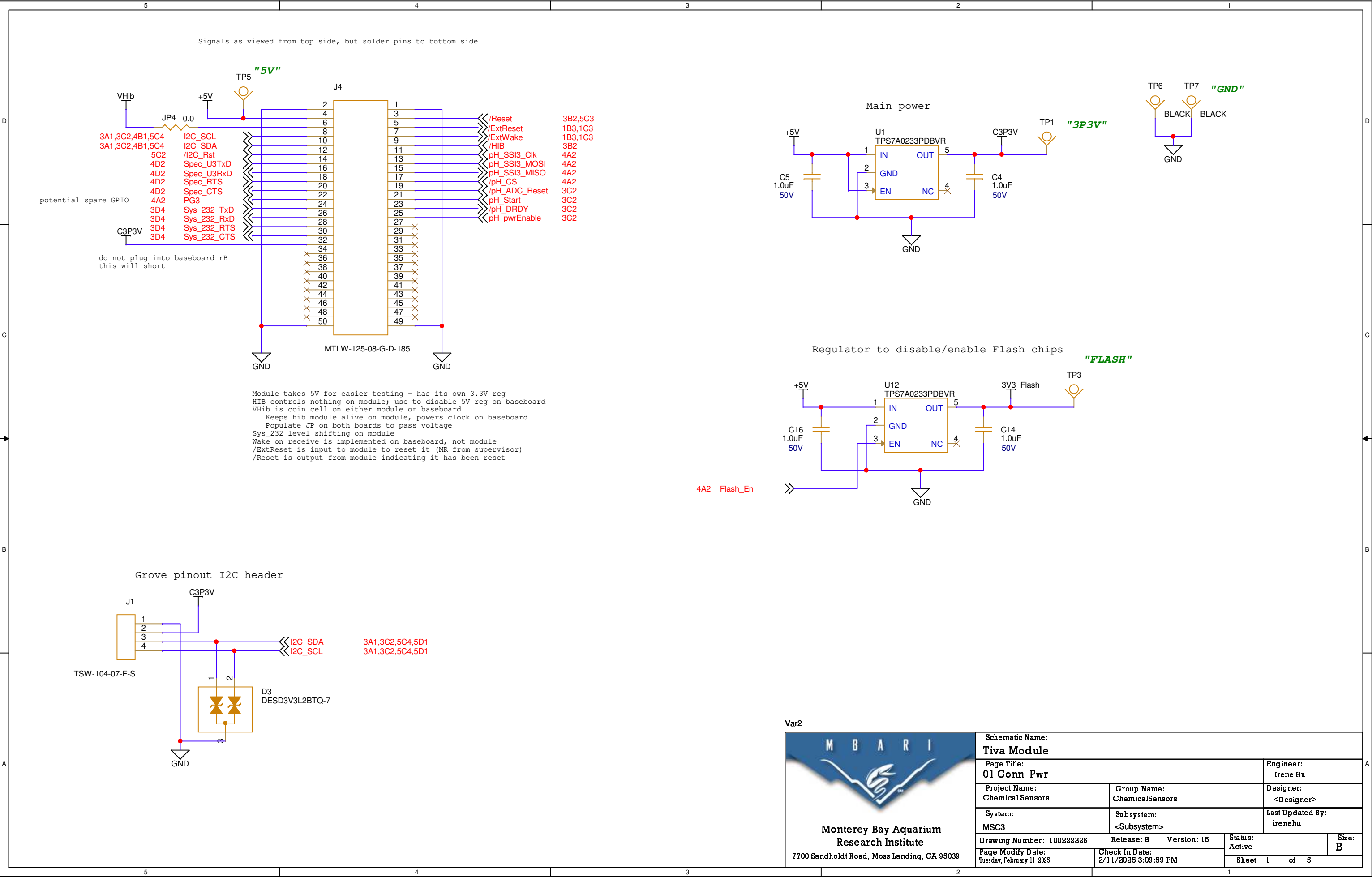
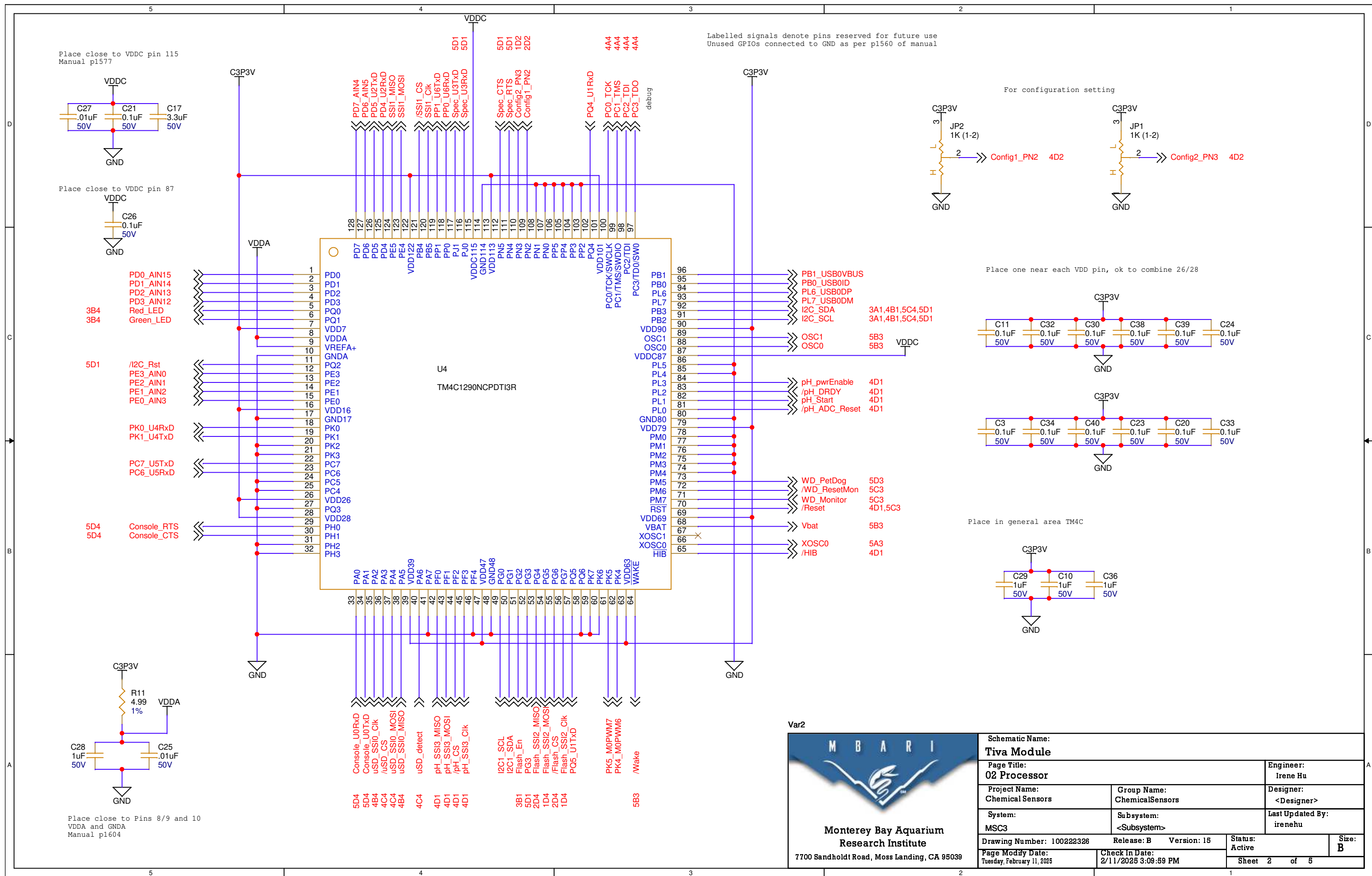
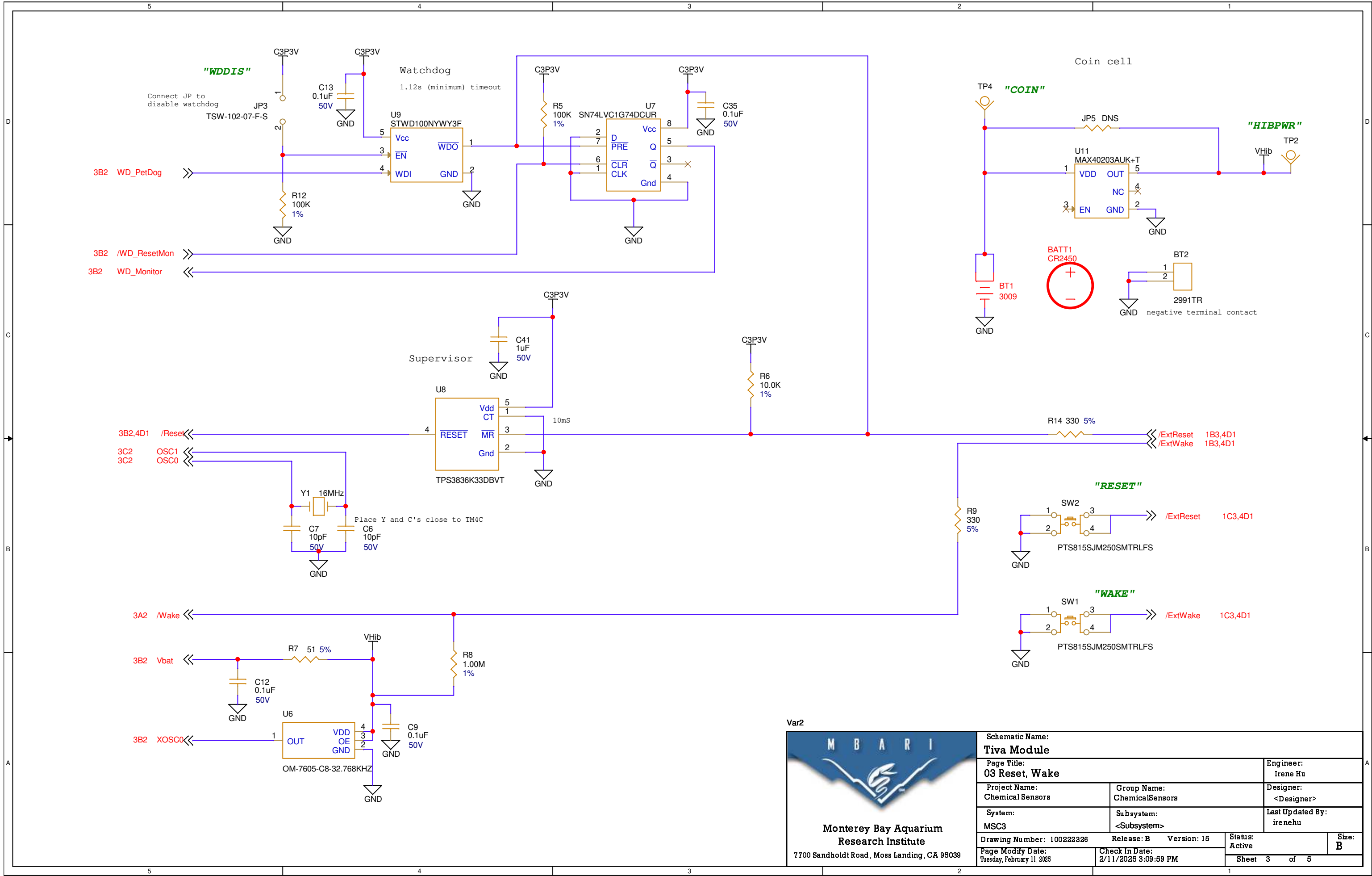
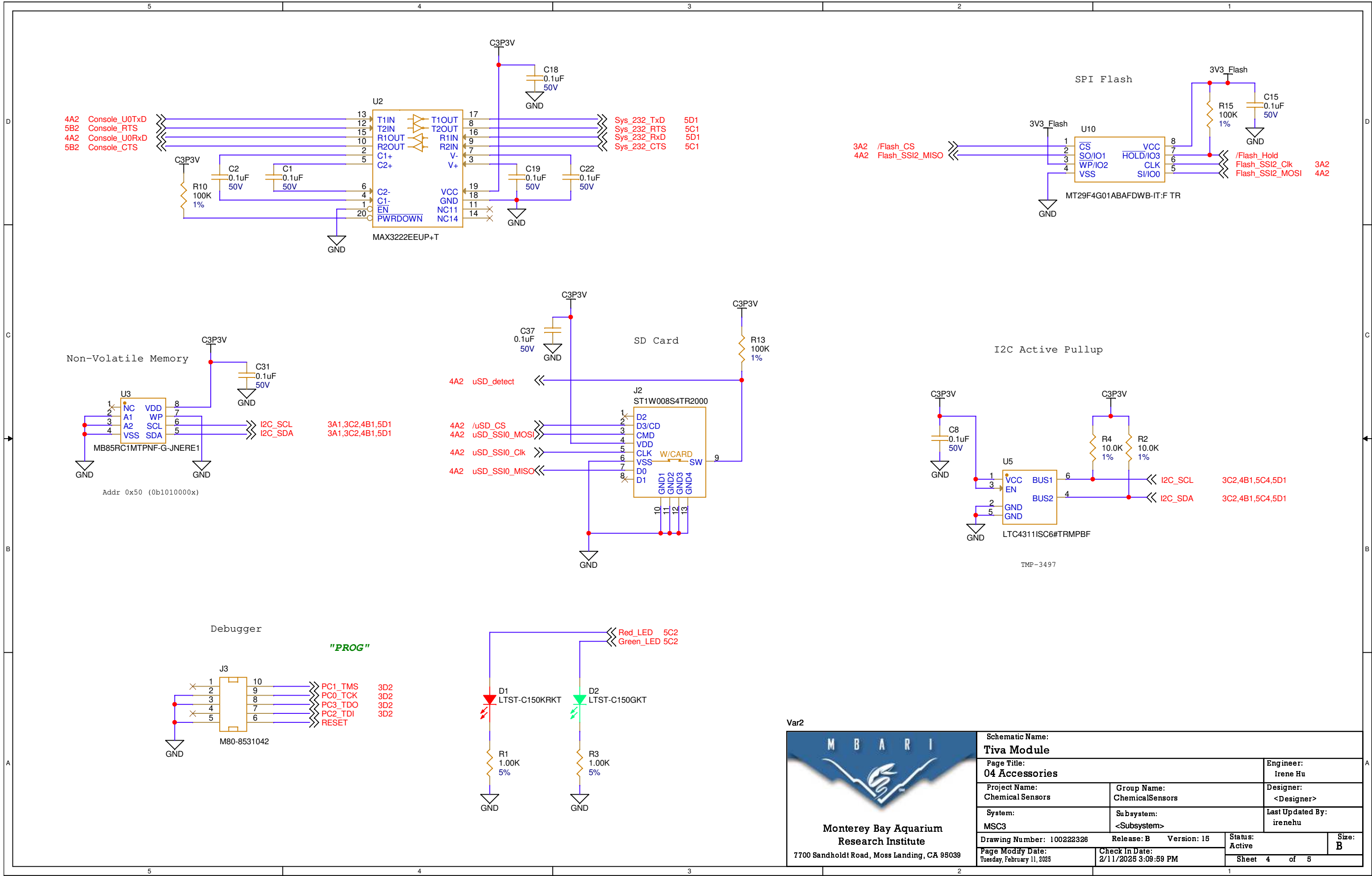








 Monterey Bay Aquarium Research Institute 7700 Sandholdt Road, Moss Landing, CA 95039		Schematic Name: Tiva Module			
		Page Title: 03 Reset, Wake		Engineer: Irene Hu	
Project Name: Chemical Sensors		Group Name: ChemicalSensors		Designer: <Designer>	
System: MSC3		Subsystem: <Subsystem>		Last Updated By: irenehu	
Drawing Number: 100222326		Release: B		Version: 15	
Page Modify Date: Tuesday, February 11, 2025		Check In Date: 2/11/2025 3:09:59 PM		Status: Active	
				Sheet 3 of 5	
				Size: B	



5

4

3

2

1

D

C

B

A

Relative to TivaModule rB (TM123):
Tiva1290 processor with new pin defs
Bus is defined separately, but signals are not connected to simplify layout
Flash2 removed

RevB changes:
Removed two jumpers around ideal diode for coin cell. DNS ideal diode to disconnect it.
Removed headers for spare flash
Removed I2C test points
Debug connector replaced w/ smaller Harwin
Coin cell replaced with larger 2477, by request
Added pullup on /CLR input to latch for watchdog
Reset/Wake jumper to buttons
Active pullup for I2C bus
Removed solder blob protecting connector pin from 3.3V.
Do not use with baseboard rB

Layout
Shrink to 2" w/ coin on bottom to accomodate miniISUS

Configuration Notes
JP1, 2: Configuration setting- uP pins can be read by software to adjust software settings
JP3: Pin header to disable watchdog (03 ResetWake)
JP4: Connect Vcoin rail to Baseboard (01 Connectors)

Var2

M
B
A
R
I



Monterey Bay Aquarium
Research Institute

7700 Sandholdt Road, Moss Landing, CA 95039

Schematic Name:
Tiva Module

Page Title:
05_Notes

Project Name:
Chemical Sensors

System:
MSC3

Drawing Number: 100222326

Page Modify Date:
Tuesday, February 11, 2026

Group Name:
ChemicalSensors

Subsystem:
<Subsystem>

Release: B Version: 15

Check In Date:
2/11/2026 3:09:59 PM

Engineer:
Irene Hu

Designer:
<Designer>

Last Updated By:
irenehu

Status:
Active

Size:
B

Sheet 5 of 5