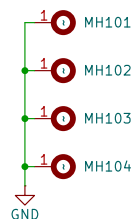


- PCB101 Tooling Hole JLCPCB
- PCB102 Tooling Hole JLCPCB
- PCB103 Tooling Hole JLCPCB
- PCB104 Tooling Hole JLCPCB
- FID101 Fiducial-JLCPCB
- FID102 Fiducial-JLCPCB
- FID103 Fiducial-JLCPCB
- FID104 Fiducial-JLCPCB



Nightshadow1258

Sheet: /

File: Sensor_Node_Base.kicad_sch

Title: Sensor_Node_Base

Size: A4

Date: 2025-04-21

Rev: V2.00

KiCad E.D.A. 9.0.4

Id: 1/3

DOUBLE CHECK connections

High Impedance PU to reduce quiescent current draw

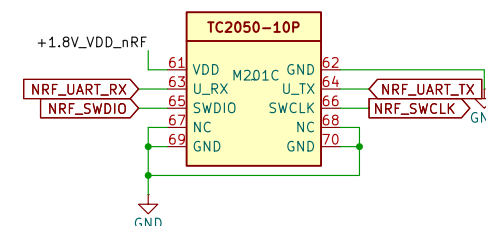
VDDH will be connected to VDD on the Module

Make sure to remove the copper layers under the Sensor to reduce self heating add exposed pad on the bottom side add cutouts around the sensor

Pin Name	Pin Number	Pin Number	Pin Name
VDD/XXX	1	2	GND
UART_RXD	3	4	UART_TXD
JTMS_SWIDIO	5	6	JTCK_SWCLK
JTDO_SWO	7	8	JTDI
XXX	9	10	JTRST

Sheet: /MCU/
File: MCU.kicad_sch
Title: Sensor_Node_Base
Size: A4 Date: 2025-04-21 Rev: V2.00
KiCad E.D.A. 9.0.4 Id: 2/3

Pin Name	Pin Number	Pin Number	Pin Name
VDD1/XXX	1	2	GND
UART_RXD	3	4	UART_TXD
JTMS_SWDI0	5	6	JTCK_SWDI0
JTDO_SWO	7	8	JTDI
XXX	9	10	JTRST



Sheet: /MCU/
File: MCU.kicad_sch

Title: Sensor_Node_Base

Size: A4	Date: 2025-04-21
----------	------------------

KiCad E.D.A. 9.0.4

Rev: V2.00

Id: 2/3

