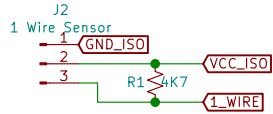


## U.FL Probe Connector



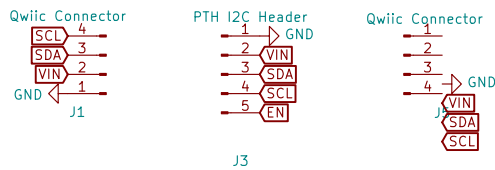
## 1 Wire Connector and Pullup



## Isolation Power Enable



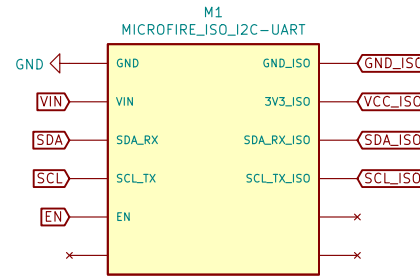
## I2C Connections



## Mounting Holes



## Isolated Power Module

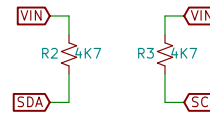


VIN can be between 3.3 – 5.0 volts

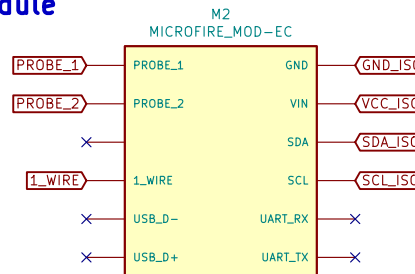
EN LOW will enable the Isolation module and the sensor module. HIGH will turn it off.

JP1 ties EN to LOW which keeps it on all the time. If you want to control it yourself, cut the solder jumper. If you don't cut the jumper, you may damage something when you drive EN HIGH.

## I2C Pullups



## Sensor Module



This schematic uses a Mod-EC sensor, but it can easily be switched for any other Module. The footprint and pinout are the same.

An eval sensor board:  
 - qwiic connectors  
 - isolated power supply

### Microfire LLC

Sheet: /  
 File: I2C Isolated Dev Board.sch

### Title: Isolated Qwiic Dev Board

Size: USLetter Date:  
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Rev: 1  
 Id: 1/1