

i3 InterLink

Raspberry Pi Shield

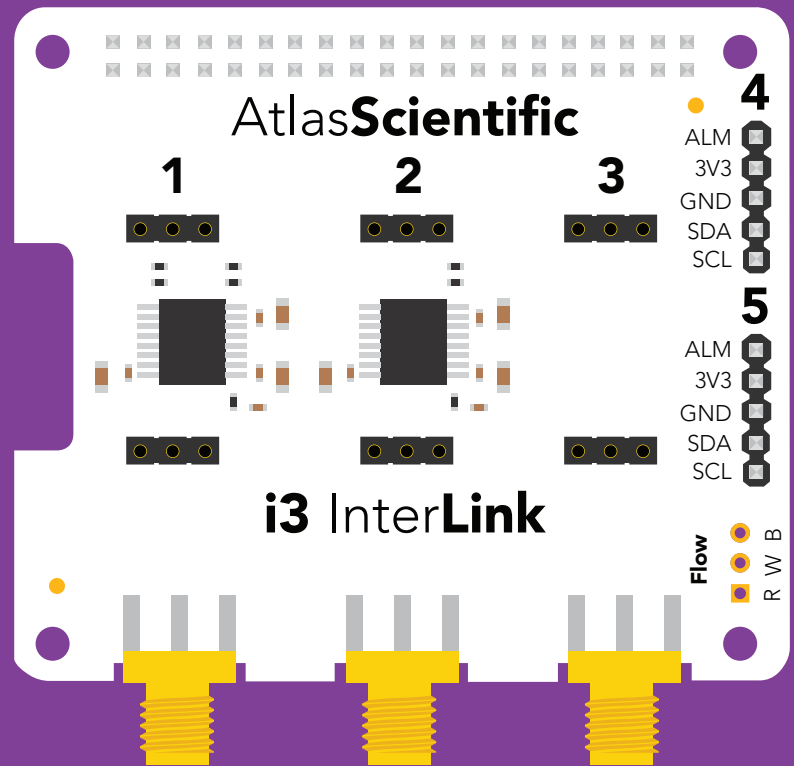
Connect up to five Atlas Scientific sensors to one Raspberry Pi.

All Raspberry Pi pins still accessible through the i3 InterLink.

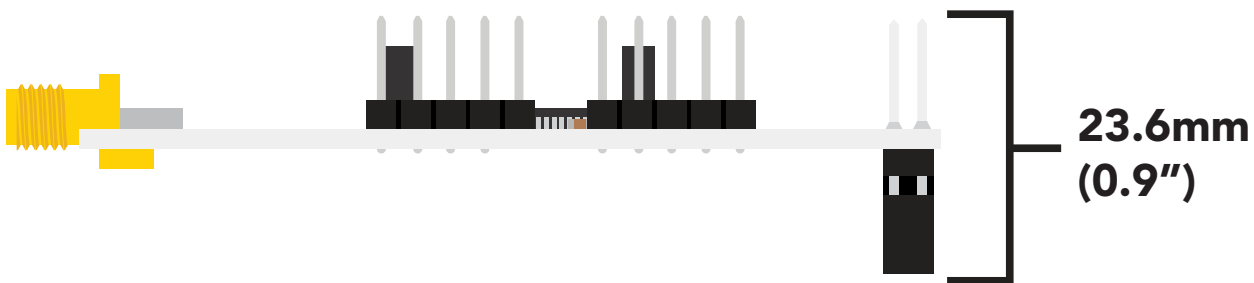
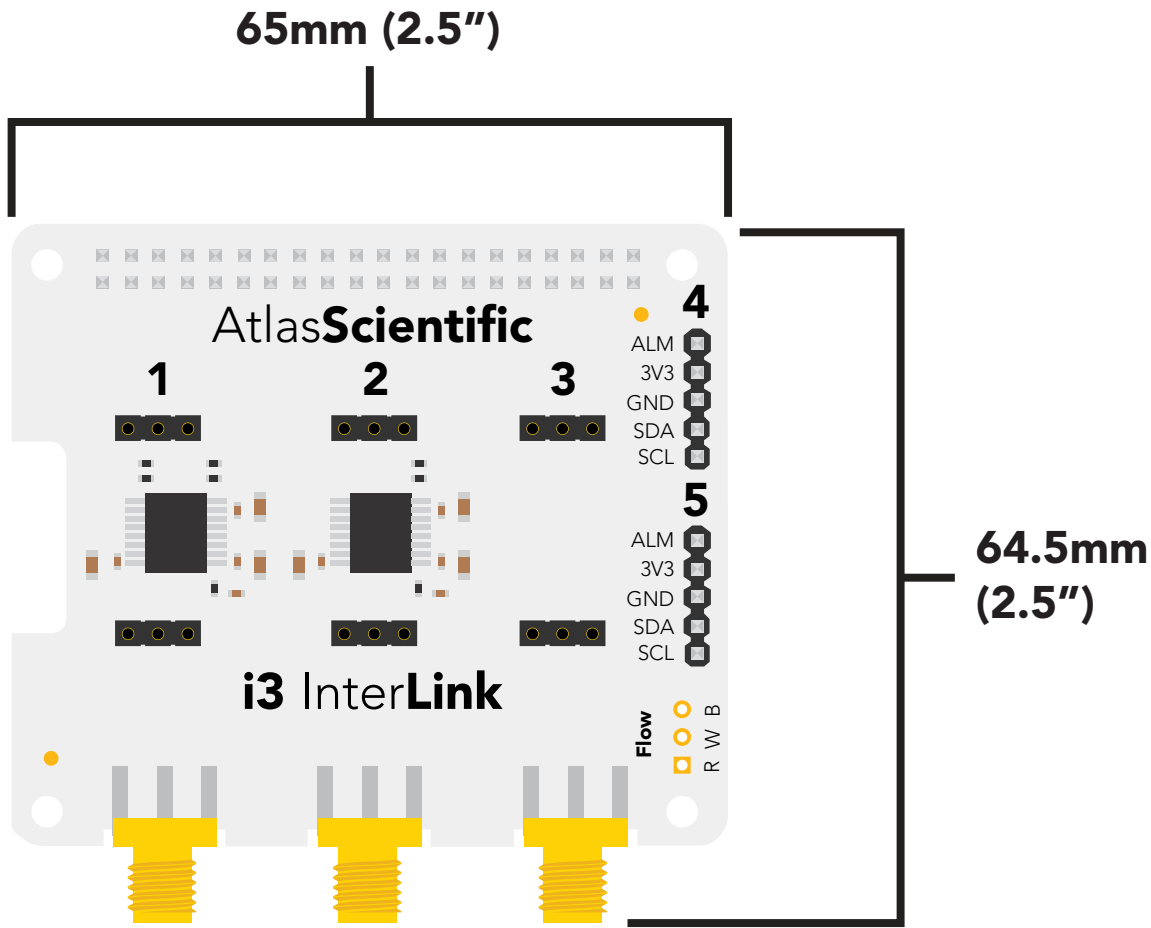
I2C mode only.

Comes fully assembled.

i3 InterLink does not come with any EZO™ circuits or sensors.

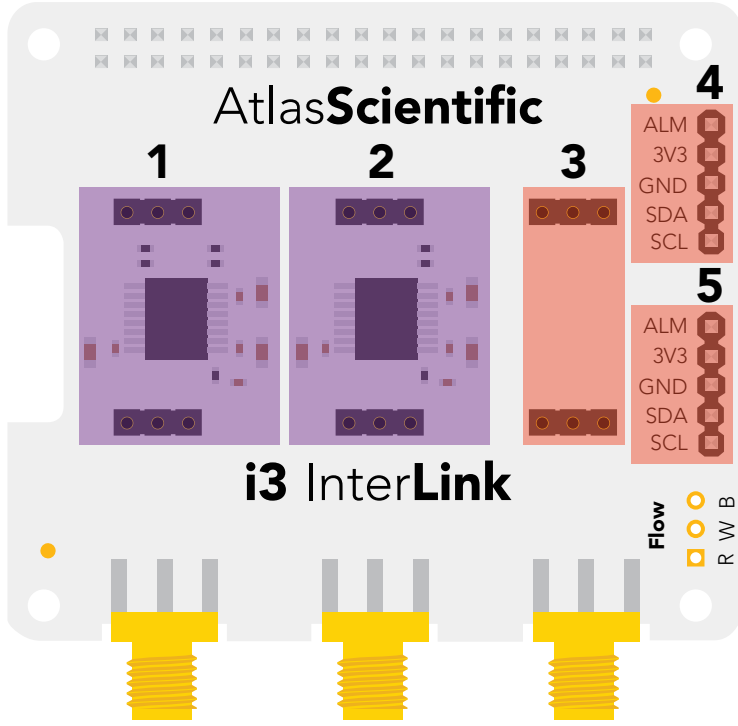


i3 InterLink dimensions



i3 InterLink isolated slots

The i3 InterLink has 2x isolated EZO™ circuit slots, 1x non-isolated EZO™ circuit slot and 2x non-isolated connectors for 5 pin EZO™ data cable sensors/devices.



Isolated

EZO-pH EZO-ORP EZO-DO EZO-EC

The i3 InterLink does not come with any EZO™ circuits or sensors.

Non-isolated

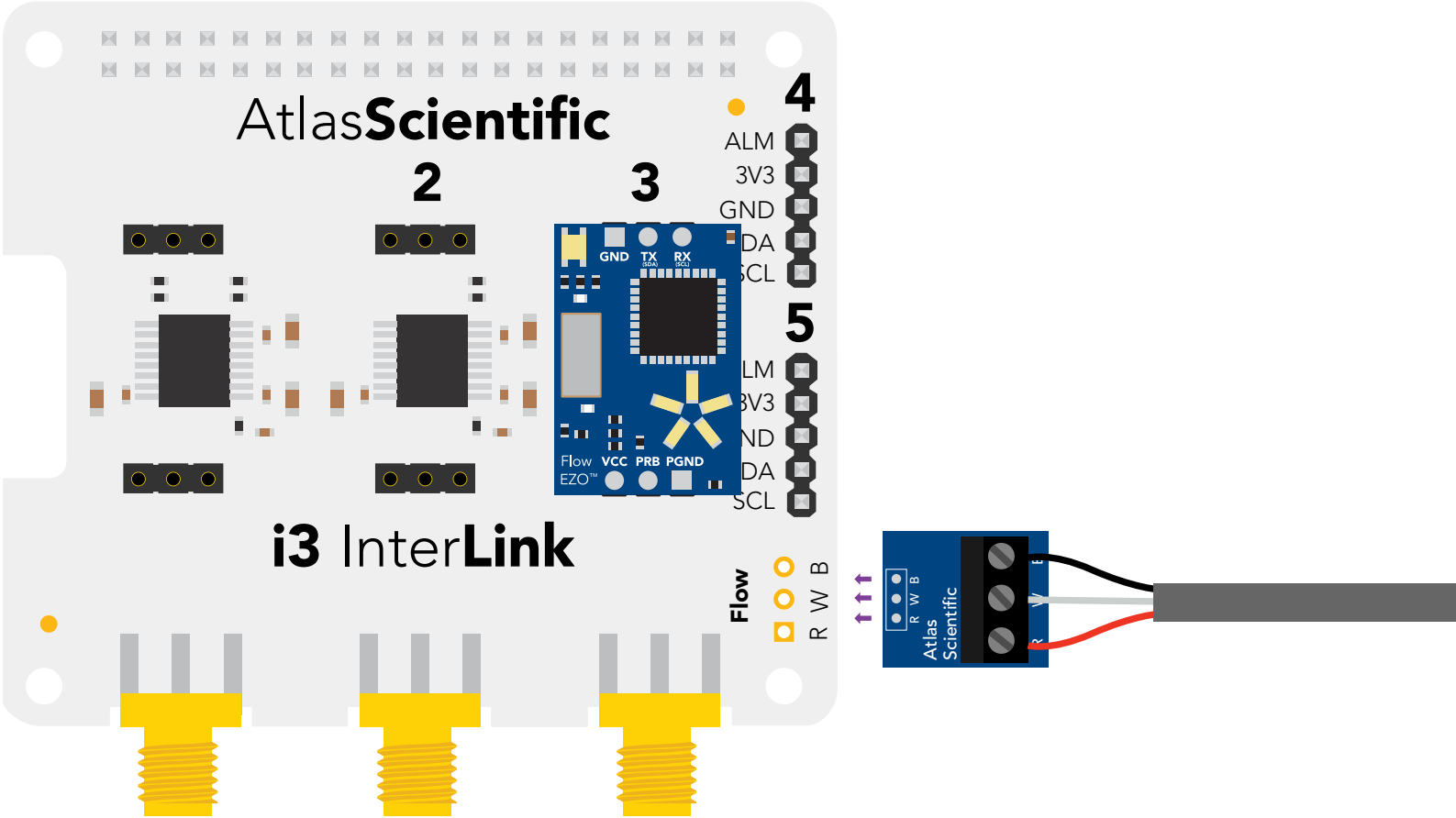
EZO-FLOW EZO-RTD EZO-HUM

EZO-PMP EZO-PMP-L EZO-HUM EZO-RGB EZO-CO2 EZO-O2 EZO-PRS

3/8" Flow Meter 1/4" Flow Meter 1/2" Flow Meter 3/4" Flow Meter

Connecting a flow meter to the i3 InterLink

The i3 InterLink is fully compatible with the EZO™ Universal Flow Meter Totalizer and our line of flow meters. Make sure to place the Totalizer in the non-isolated slot marked "3".

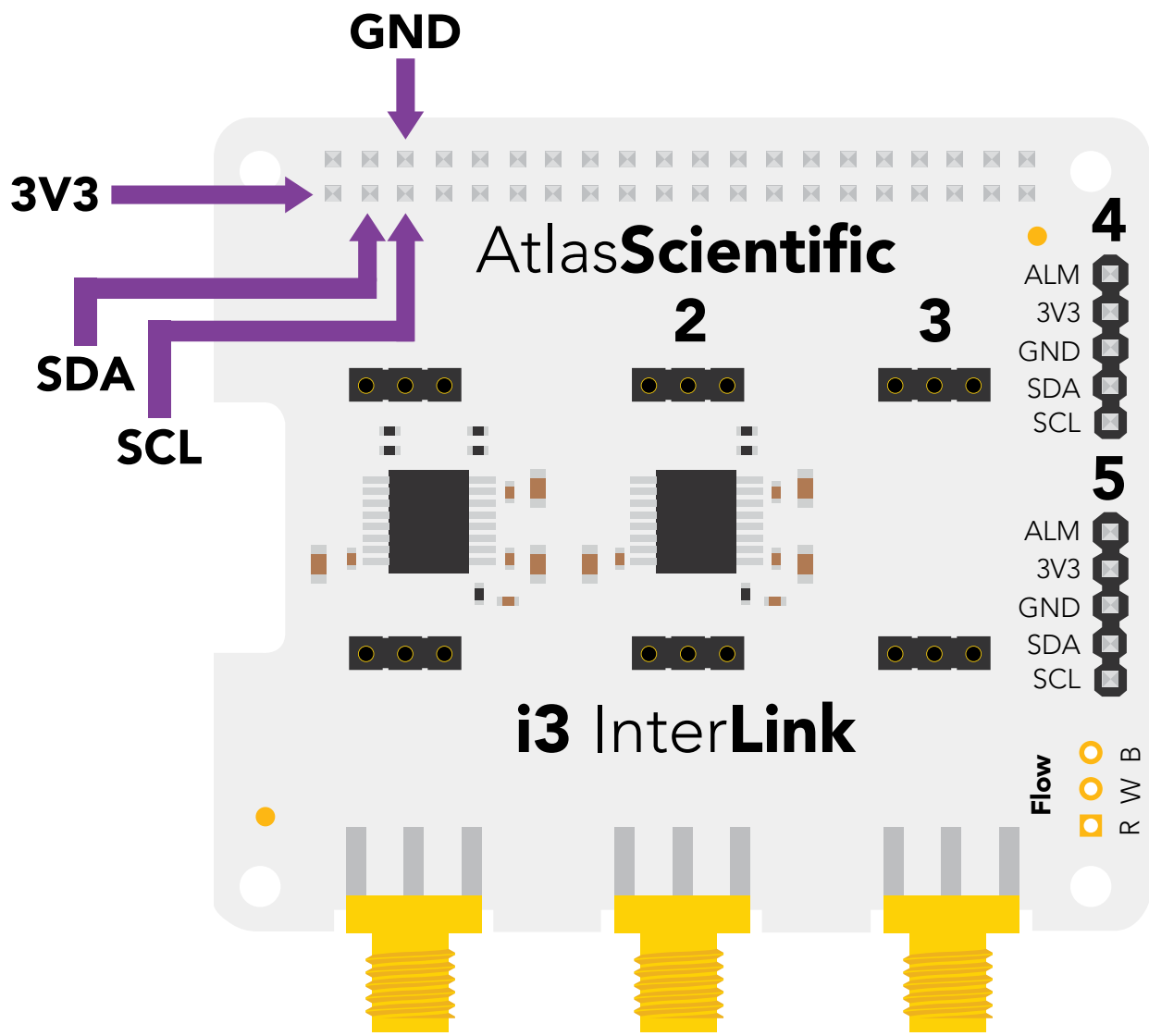


Attach your flow meter to the flow breakout board; Then connect the flow breakout board directly to the i3 InterLink via the flow port.

Raspberry Pi pins

The i3 InterLink uses these Raspberry Pi pins

- SCL
- SDA
- GND
- 3V3

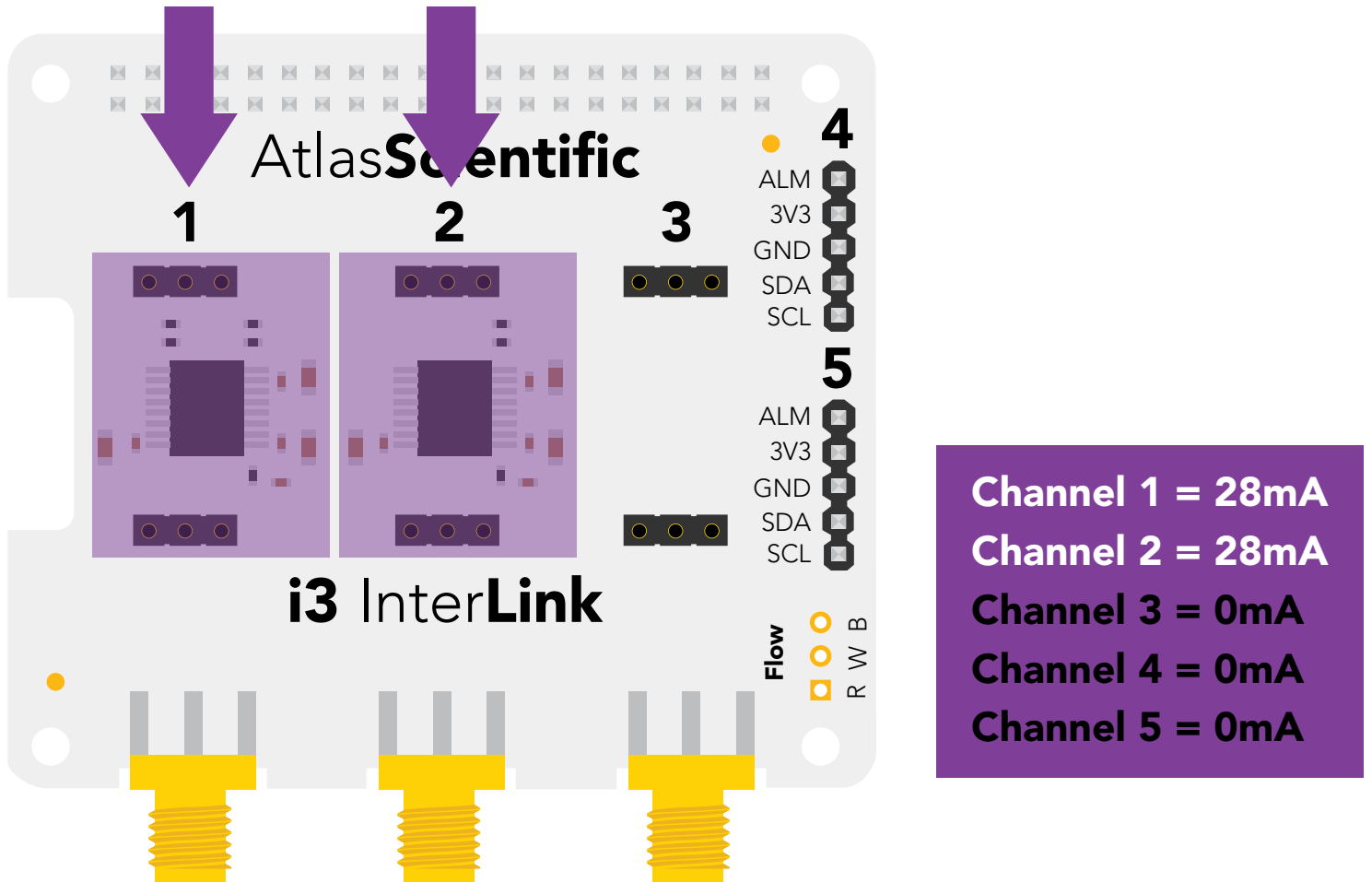


All Raspberry Pi pins (including the ones used by i3 InterLink) are still available to you.

Current consumption

The baseline current consumption for the i3 InterLink shield is 56 mA. This is because each isolated channel consumes 28 mA continuously. Adding an EZO circuit to an isolated channel will increase the current consumption.

The table below shows how much current will be consumed when an EZO™ circuit is connected.



Isolated Channels 1 & 2

No Load	28mA
EZO™ pH	44mA
EZO™ ORP	44mA
EZO™ Dissolved Oxygen	44mA
EZO™ Conductivity	55mA