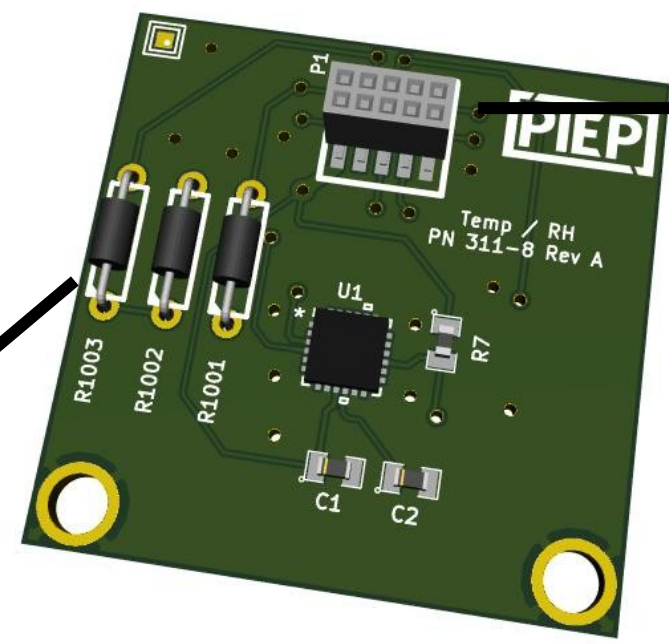




PN 311-008, Rev A

Temp / RH Sensor; I2C Interface



Stacking Headers

Top and Bottom Headers

1	+3.3V	DIO*	2
3	DIO*	DIO*	4
5	I2C-SDA	I2C-SCL	6
7			8
9	GND		10

* Device I2C address is Hex 0x40; SI7005 also incorporates device select line; configured via R1001 - R1003

- * Remove R1003 & R1002 for device select via SPIP-2
- Remove R1001 & R1003 for device select via SPIP-3
- Remove R1001 & R1002 for device select via SPIP-4

SI7005 based temp & RH sensor provides temperature and humidity readings over a range of -40 to 85 degrees C / 0 to 100% relative humidity. The device operates with a fixed I2C address (hex 0x40), but includes a select line to permit multiple device installation. Device chip select is routed through three onboard jumpers to permit user selection of the SPIP control line (two of three jumpers must be removed prior to installation). The device is 3.3V operation only. Use with remote mount kit to position the sensor in an optimum measurement position. For additional information, refer to the SI7005 data sheet.

Spare Standoffs – SKU 400-012

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