

The diagram shows the connection of the TP (TestPoint) pins on the ATmega328P microcontroller. The TP pins are connected to +12V, +5V, +3.3V, GND, SDA, SCL, and PGood.

Try for 14-16 AWG wire, assume 10A

[illegible]

Use internal Pi PU GNI

I2C addr = 0x40

+3.3V

C? 0.1uF

GND

R? R?

SDA 1

SCL 6

5V VDD

GND PAD

U? Si7021-A20-GM1

2 7

GND

External pull-ups probably aren't necessary, but I added them anyways.

Pinout diagram for the MPR121 I2C module:

- Pin 1: VCC (+3.3V)
- Pin 2: GND
- Pin 3: GND
- Pin 4: SCL
- Pin 5: SDA
- Pin 6: GND
- Pin 7: GND
- Pin 8: GND

Module Label: J? MPR_Pressure_Breakout_Conn

Rev: A
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