

The diagram shows a 5V input connected to a diode D5 (cathode to input, anode to output). The anode of D5 is connected to a 1K resistor R10, which is connected to ground. The output of the diode is connected to a 22uF capacitor C12, which is also connected to ground. The output of C12 is connected to the input (pin 1) of the AMS1117-3.3 voltage regulator U3. The regulator's ground (pin 2) is connected to ground. The output (pin 3) of the regulator is connected to a 22uF capacitor C10, which is also connected to ground. The output of C10 is connected to a 0.1uF capacitor C1, which is also connected to ground. The final output is 3V3.

J5 +5V
BMP180
1
2 X
3
4 SCL
5 SDA

J7 PROGRAMMING

1 VCC
2 RX
3 TX
4 GND

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