**Power**

- VIN to U6
- 3.3V/150mA
- 10uF C13 GND
- 1.0uF C1 GND
- 0.1uF C2 GND
- 10uF C14 GND

Max Voltage Input: 16VDC
Max Current Outputs: 150mA
Recommended Input voltage range: 5-12V

**Conversion**

- 3.3V to 5V
- 200mA/50V
- 4.7K R1 GND
- 4.7K R2 GND
- 250mA/100V C2
- 250mA/100V C3

7-bit I2C Address is 0x4D
I2C write is 0x80
I2C read is 0x61

**Sensors**

**Humidity**
- 3.3V to 3.3V
- 0.1uF C5 GND
- U5 SHT21

7-bit I2C Address is 0x40
I2C write is 0x80
I2C read is 0x61

**Pressure**
- 3.3V to 3.3V
- 0.1uF C7 GND
- 0.1uF C8 GND
- 0.1uF C9 GND
- MPL3115A2L60G

7-bit I2C Address: 0x60
Read Address: 0xC1
Write Address: 0xC0

**Light (optional)**
- 3.3V to 3.3V
- U3 ALS-PT19

**GPS (optional)**
- 3.3V to 3.3V
- GP-73S

Digital Pins 4 and 5 are used for software serial with switch set to "Soft".

**Arduino**

- 3.3V to 5V
- 250mA/100V
- SCL, SDA

**Rain (optional)**

RJ11-RAIN

**Wind (optional)**

RJ11-WIND

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