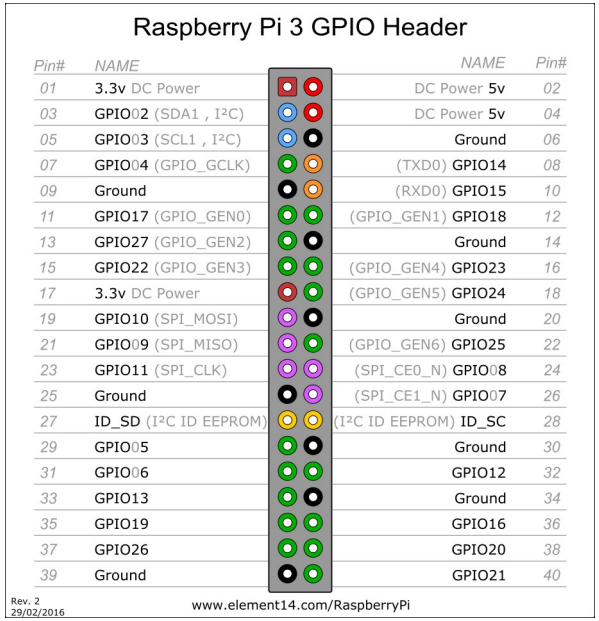
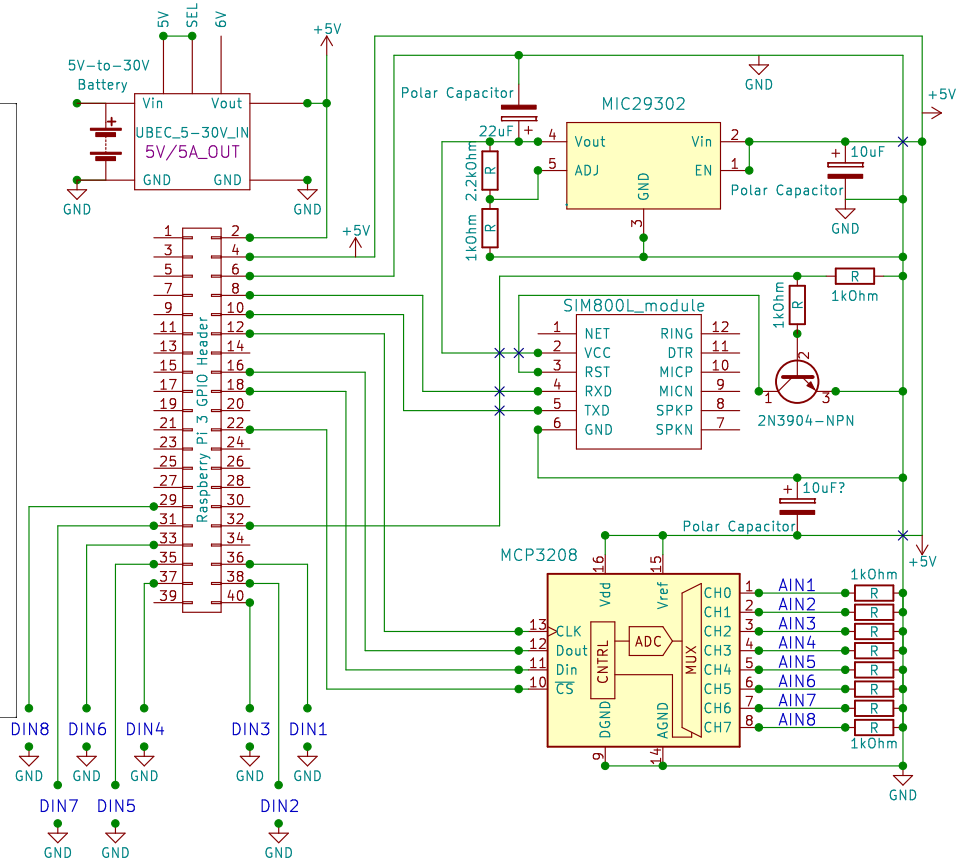
KiloWatts for Humanity Raspberry Pi based Data Logger





Parts List:

1x Raspberry Pi 3
1x 5-30V Battery (depending on decided input voltage)
1x UBEC 5-30V IN / 5V 5A OUT
1x MIC29302 - Variable Output Voltage, Linear Regulator
1x SIM800L - GSM Module
1x MCP3208 - 12 Bit ADC
1x 2N3904 NPN Transistor
1x 22uF Polar Capacitor
2x 10uF Polar Capacitor
1x 2.2kOhm Resistor (1/8 Watt)
11x 1kOhm Resistor (1/8 Watt)

Revision 2 by: Dave Goldsmith
KiloWatts for Humanity Data Acquisition Lead

Sheet: /
File: datalogger.sch

Title: KiloWatts for Humanity RPi Data Logger / RTU

Size: A4 | Date: 23 Oct 2017 | **Rev:** 2
KiCad E.D.A. kicad 4.0.6 | Id: 1/1