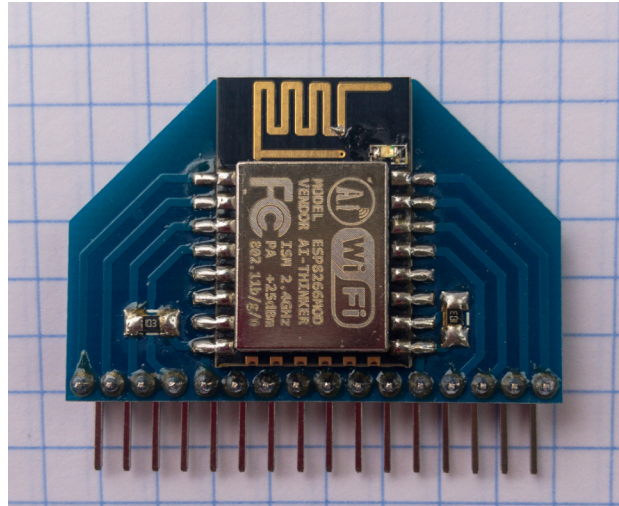# Temperature-Humidity Sensor for switcher2

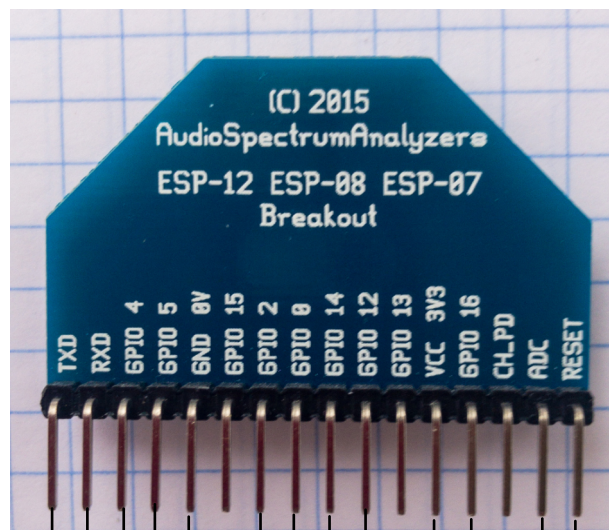Wakes up from deep sleep every 30 minutes for about 900 ms.
Sends Temp/Humidity values to mqtt broker and goes back to deep sleep.
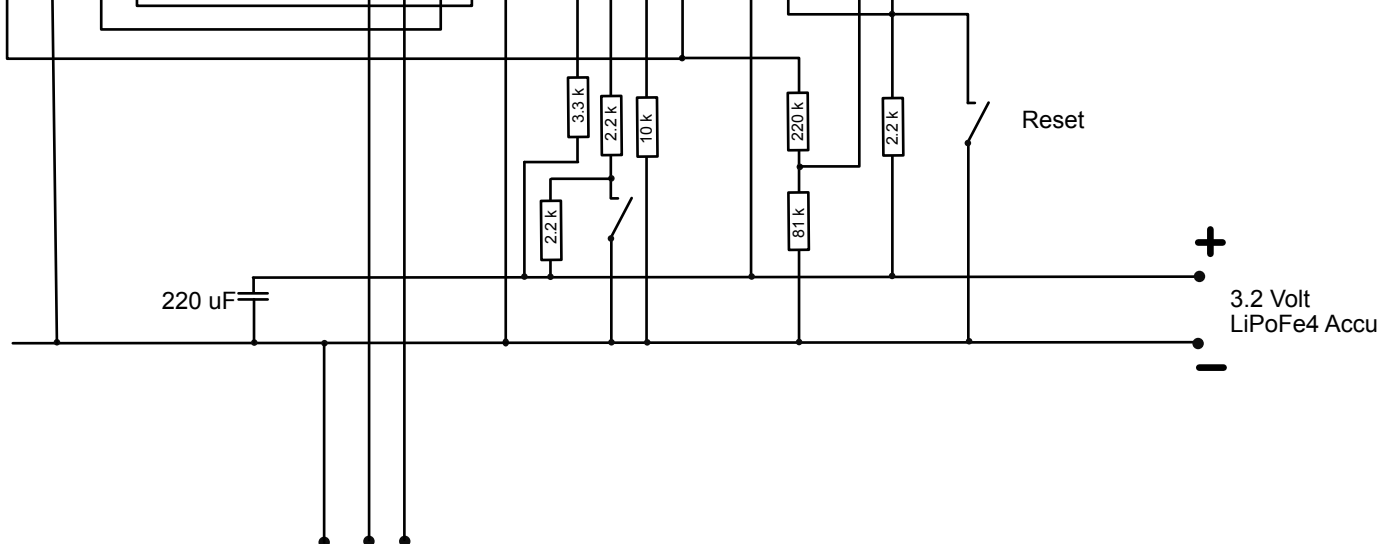
Uses just 15 uA while sleeping.

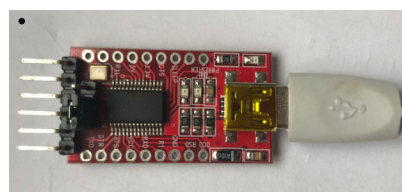
Bare-Bones ESP8266

Front View

Back View

BME280 Sensor (i2C)

3.3 k

2.2 k

10 k

220 k

2.2 k

2.2 k

81 k

Reset

220 uF

+

3.2 Volt
LiPoFe4 Accu

−

GND TX RX

FTDI Connection
Programming the ESP8266

Arduino IDE