Battery Energy Monitor

	Gain	Offset	Range	Sensitivity	Error
Current	0.06417	−38.3052	-27 - 27A	64mA	240mA
Voltage	0.0786	−0.882	0 - 84V	79mV	100mV

UART - TTL
Use for debug and flash microcontroller

CR2032
Real time clock battery. Lasts up to 5 years

TX RX +5V GND

RESET

Micro USB 5V
Use a Phone charger or a battery pack
Don't connect if +5V is connected

Micro SD card

FLASH
To flash the microcontroller
1. Press Flash button
2. Press Reset button
3. Release Reset button
4. Release Flash button

Load and Charger

BMS

Battery

+

−

Shunt

Voltage Gain Pot
Don't touch !

Current Gain Pot
Don't touch !

Current Offset Pot
Don't touch !

Error indicator
On failure, eg SD card absent, the led lights ON