



The 100 milliohm resistor on the INA219 board must be removed to use the external shunt  
The INA219 and the BME280 boards both have 10K pullup resistors on them for I2C.

#### \* 30A solar charge controller pinout

1 in +	2 in -
3 batt +	4 batt -
5 load +	6 load -
USB 5V OUT	USB GND OUT

12 volt battery must be connected to controller

TITLE: RFM95 STM32 Bluepill		REV: 1.0
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