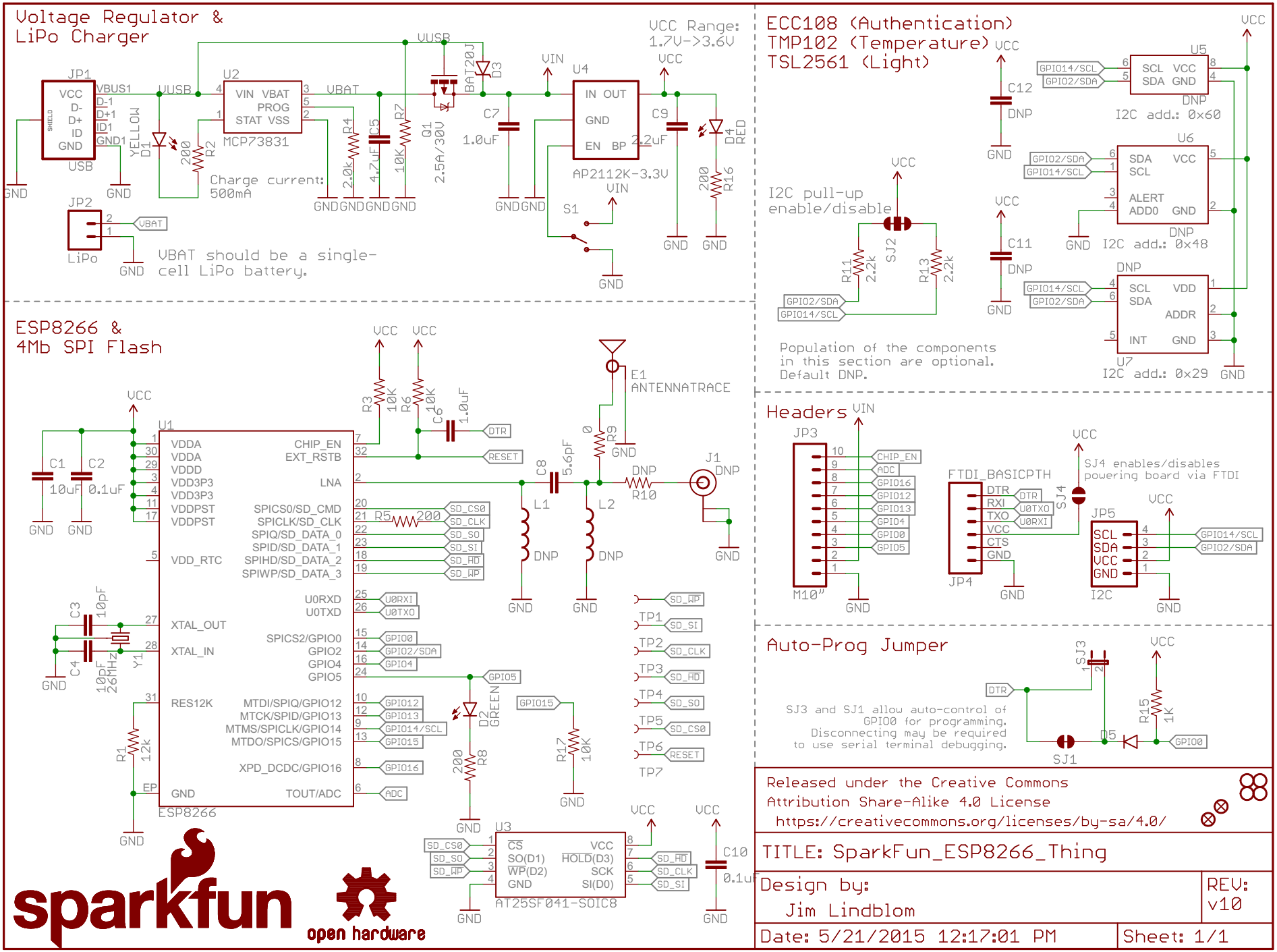
Voltage Regulator &
LiPo Charger
VCC Range:
1.7V->3.6V
JP1
USB
MCP73831
Charge current:
500mA
AP2112K-3.3V
JP2
LiPo
VBAT should be a single-
cell LiPo battery.
ESP8266 &
4Mb SPI Flash
ESP8266
AT25SF041-SOIC8
ECC108 (Authentication)
TMP102 (Temperature)
TSL2561 (Light)
I2C pull-up
enable/disable
Population of the components
in this section are optional.
Default DNP.
I2C add.: 0x60
I2C add.: 0x48
I2C add.: 0x29
Headers
M10"
FTDI_BASICPTH
JP4
JP5
I2C
SJ4 enables/disables
powering board via FTDI
Auto-Prog Jumper
SJ3 and SJ1 allow auto-control of
GPIO0 for programming.
Disconnecting may be required
to use serial terminal debugging.
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TITLE: SparkFun_ESP8266_Thing
Design by:
Jim Lindblom
REV:
v10
Date: 5/21/2015 12:17:01 PM
Sheet: 1/1
sparkfun
open hardware