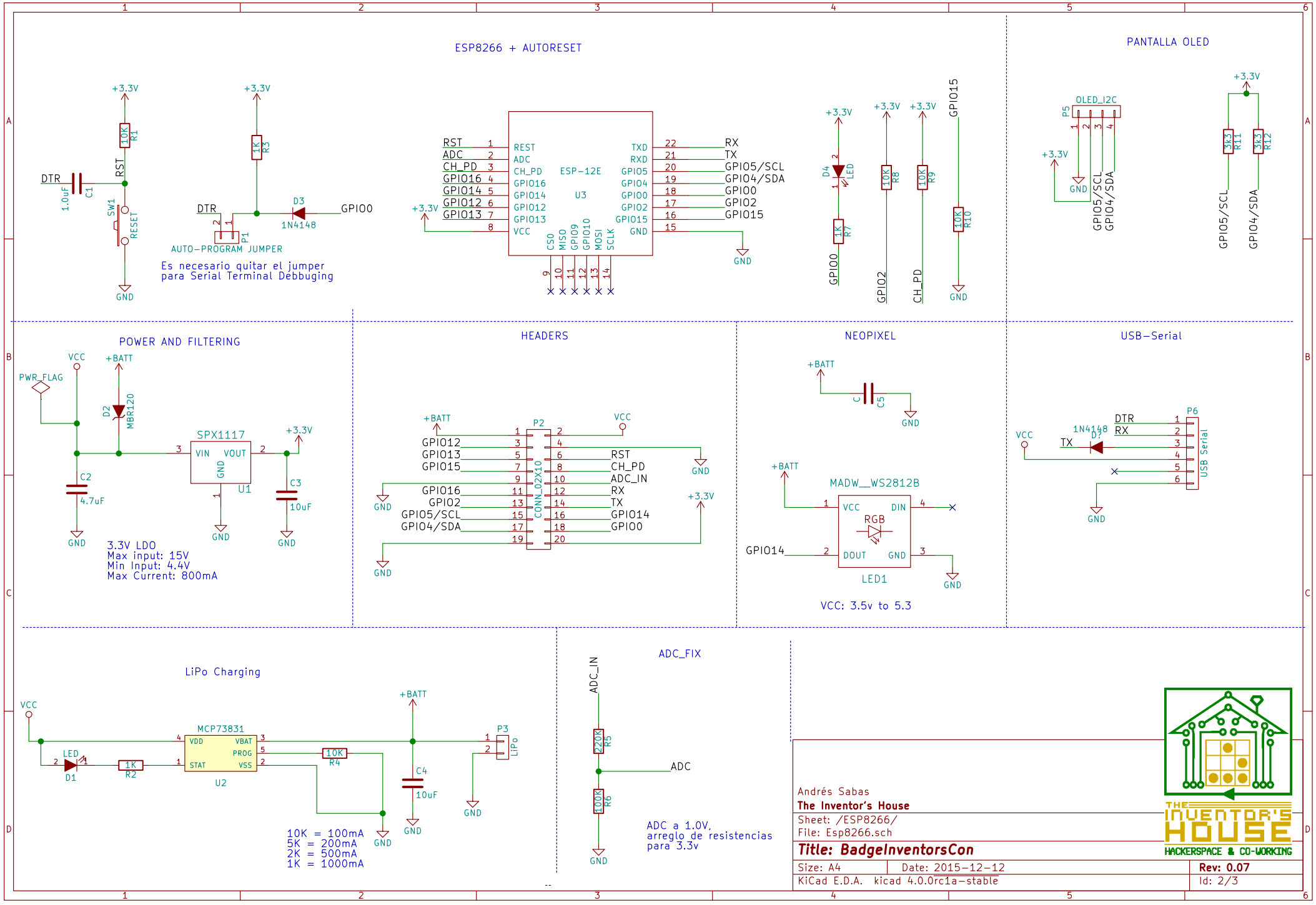
ESP8266 + AUTORESET
+3.3V
10K R1
DTR
1.0uF C1
RST
SW1 RESET
GND
1K R3
D3 1N4148
GPIO0
P1
AUTO-PROGRAM JUMPER
Es necesario quitar el jumper
para Serial Terminal Debbuging
ESP-12E U3
REST
ADC
CH_PD
GPIO16
GPIO14
GPIO12
GPIO13
VCC
CS0 MISO GPIO9 GPIO10 MOSI SCLK
TXD
RXD
GPIO5
GPIO4
GPIO0
GPIO2
GPIO15
GND
RX
TX
GPIO5/SCL
GPIO4/SDA
GPIO0
GPIO2
GPIO15
D4 LED
1K R7
10K R8
10K R9
10K R10
CH_PD
PANTALLA OLED
OLED_I2C P5
3k3 R11
3k3 R12
GPIO5/SCL
GPIO4/SDA
POWER AND FILTERING
VCC
+BATT
PWR_FLAG
D2 MBR120
SPX1117 U1
VIN VOUT GND
C2 4.7uF
C3 10uF
3.3V LDO
Max input: 15V
Min Input: 4.4V
Max Current: 800mA
HEADERS
P2
CONN_02X10
GPIO12
GPIO13
GPIO15
GPIO16
GPIO2
GPIO5/SCL
GPIO4/SDA
RST
CH_PD
ADC_IN
RX
TX
GPIO14
GPIO0
NEOPIXEL
C5
MADW__WS2812B
VCC DIN
RGB
DOUT GND
LED1
VCC: 3.5v to 5.3
USB-Serial
P6
USB Serial
DTR
RX
TX
1N4148 D?
LiPo Charging
MCP73831 U2
VDD VBAT
PROG
STAT VSS
LED D1
1K R2
10K R4
C4 10uF
P3 LiPo
10K = 100mA
5K = 200mA
2K = 500mA
1K = 1000mA
ADC_FIX
ADC_IN
220K R5
100K R6
ADC
ADC a 1.0V,
arreglo de resistencias
para 3.3v
Andrés Sabas
The Inventor's House
Sheet: /ESP8266/
File: Esp8266.sch
Title: BadgeInventorsCon
Size: A4
Date: 2015-12-12
Rev: 0.07
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