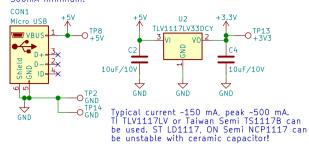
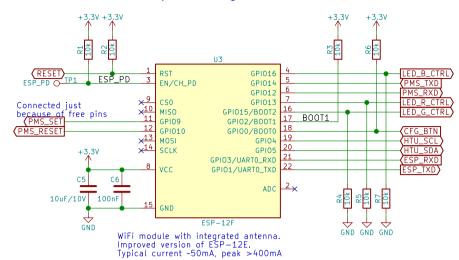
## Power supply

Default power supply input — micro USB charger. 500mA minimum

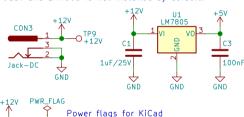


# WiFi/processing module



# Optional power supply input

Optional power supply input  $-\ 2.1x5.5\ DC$  barrel jack. Jack and LM7805 is not installed by default.



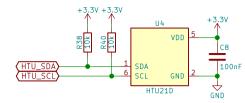
# Programming connector



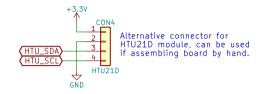
Programming connector — UART to USB adapter. To enter programming mode, hold CFG button and press RESET buton.

# LED.R TP3 BSS214N BSSP716N TP12 GND Alternative, bigger transistor packages Max 20mA per single LED. @ minimum LED forward voltage and supply 5V+5%. Max. total current 200mA for one color, 600mA for all total on, but software limited to 200mA for services.

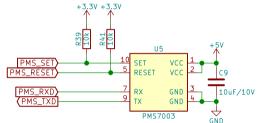
# Humidity and temperature sensor



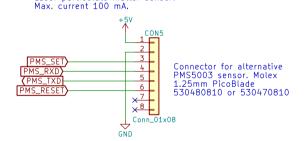
HTU21D, HDC1080, Si7020 can be used. According to datasheet , central pad should be left floating. Current consumption negligible.



## Particulate matter sensor



Laser particulate matter sensor.



### **Buttons**

