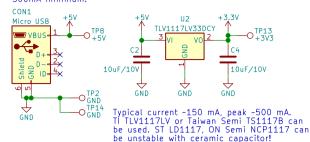


Default power supply input — micro USB charger.



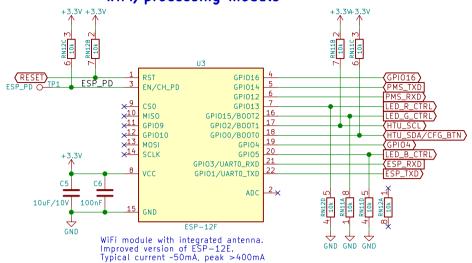
Optional power supply input

Optional power supply input - 2.1x5.5 DC barrel jack. 5V DC/DC converter can be used with it (LM2596 module). 7805 should not be used - it will be too hot. Jack and DC/DC are not installed by default.

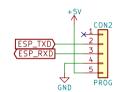




WiFi/processing module

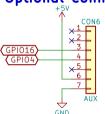


Programming connector



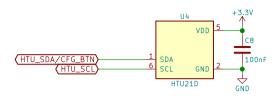
Programming connector — UART to USB adapter. To enter programming mode, hold CFG button and press RESET buton.

Optional connector

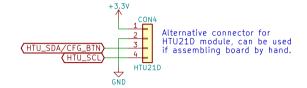


Optional connector — two free ESP pins connected. LoRa module can be tested here.

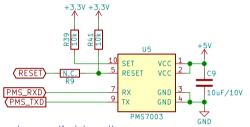
Humidity and temperature sensor



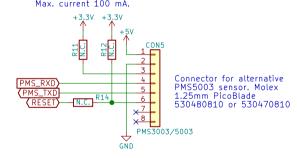
HTU21D, HDC1080, Si7020 can be used. According to datasheet , central pad should be left floating. Current consumption negligible.



Particulate matter sensor



Laser particulate matter sensor. Max. current 100 mA.



Buttons

