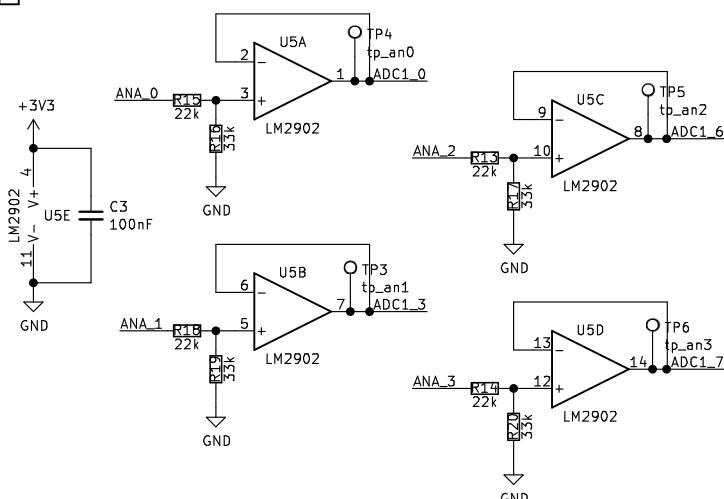
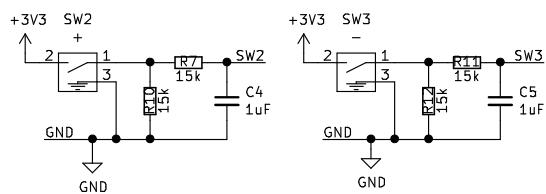
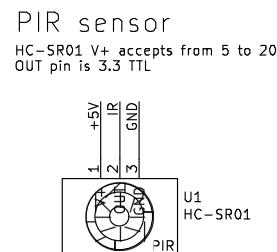
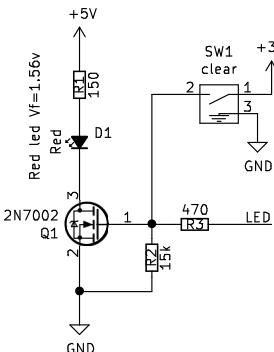


ANALOG inputs

Translate 5v analog input to 3v
(NOT 3.3v due to ESP32 non linearity)
 $V_+ = 5v \times 33k / 55k = 3v$
op. amp as follower



LED and SWITCHES

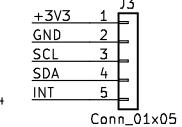
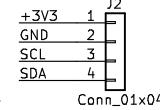
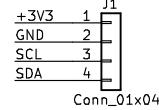


Board mounting holes

GND H1
3.2mm for MH3 screw

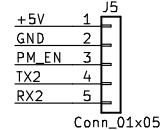
GND H2
3.2mm for MH3 screw

I2C sensors connectors



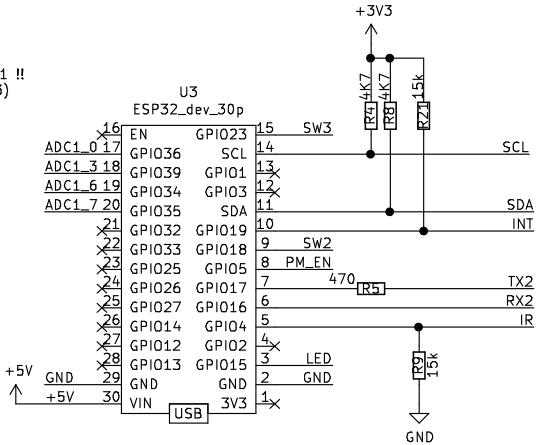
Serial sensors connector

Notes about Particle Meters sensors
- PM_EN is optionally intended to enable/disable the particle meter (not to have it always on)

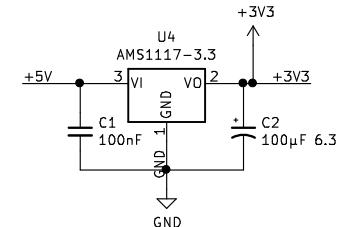


Notes:

- GPIO5 has a 10k pull-up on +3v3 on devkit V1 !!
- GPIO5 reserved for Particle Meter ENable (3v3)
- GPIO10 reserved for LED + clear sw
- GPIO13 reserved for noise sensor
- GPIO4 reserved for IR sensor (input)
- ADC2 pins cannot be used when WiFi in use
- prefer ADC1 pins (GPIO32 --> 39)
- GPIO1 & GPIO3 are serial0 (prog.)
- GPIO2 onboard blue led @ devkit V1
- EN must be floating !



Power supply



Display

