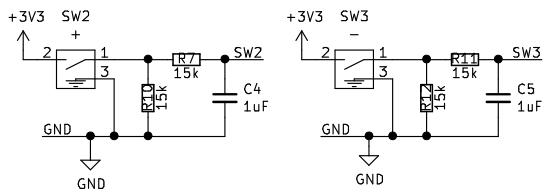
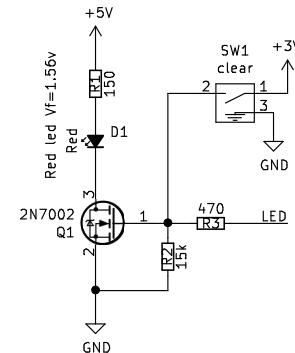
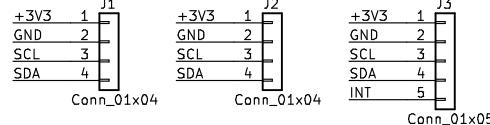


LED and SWITCHES



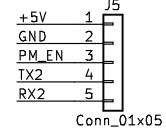
ANALOG input

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



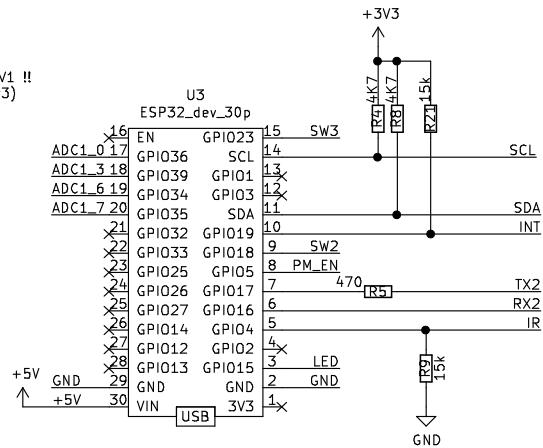
Serial sensors connector

Notes about Particule Meters sensors
– PM_EN is optionnally intended to enable/disable the particule meter (not to have it always on)

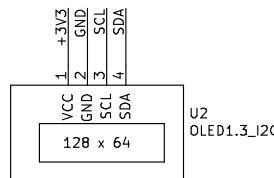


Notes:

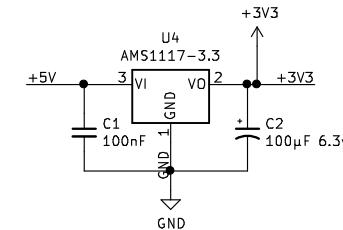
- GPIO5 has a 10k pull-up on +3v3 on devkit V1 !!
 - GPIO5 reserved for Particule Meter ENable (3v3)
 - GPIO10 reserved for LED + clear sw
 - GPIO13 reserved for noise sensor
 - GPIO4 reserved for IR sensor (input)
 - ADC2 pins cannot be used when WiFi in use
 - prefer ADC1 pins (GPIO32 --> 39)
 - GPIO1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



Display



Power supply



Board mounting holes

