

Sensor-Board Piggy-Back PCB-Template for
ET.PM3 = Cable-Monitor and ET.PM4 = Radar-Sensor
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Recommended use of ADC inputs for ET.PM3:

PF6 = ADC3 IN4 = PAD LEFT

PC3 = ADC123 IN13 = PAD⁻ RIGHT

PF8 = ADC3 IN6 = COIL LEFT

PC1 = ADC123 IN11 = COIL RIGHT

PA5 = ADC12_IN5 (= DAC_OUT2) optionally for additional PAD or COIL

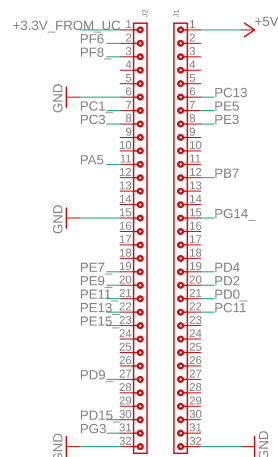
DAC output controls VCO input for ET.PM4

PA5 = ADC12 IN5 = DAC OUT2

VCC/2 = VIRTUAL GROUND

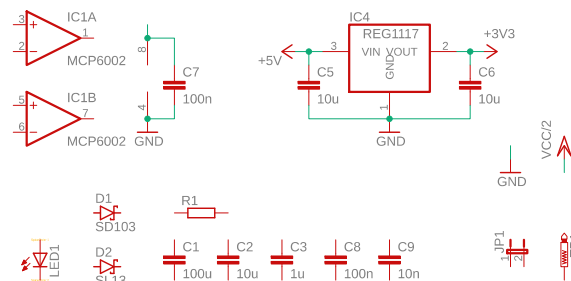
GPIOs with names ending by a `_` might be used for board peripherals. Check their availability.

The outline of the extension connectors of the microcontroller board with a list of the available functions and peripherals on each pin is in [../Microcontroller STM32F429/Datasheets/Extension Connectors.xlsx](#)

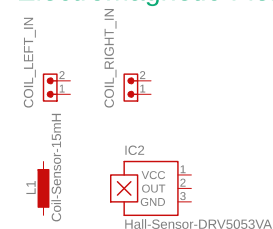


Delete components that are not used.
Copy components that are needed more than once.

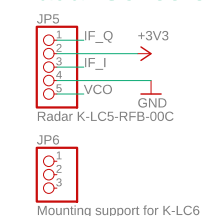
Often used components



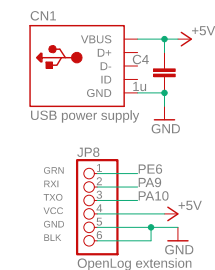
Electromagnetic-Field Sensors for PM3



Radar Sensors for PM4



Miscellaneous



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