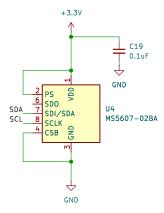
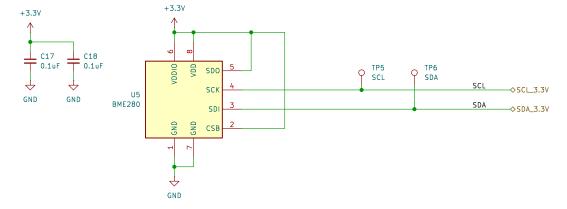


Primary High Precision Pressure Sensor for altituide estimation



Secondary Temp, Humidity, Pressure Sensor



Sheet: /Enviornmental Sensors/
File: aux_sensors.kicad_sch

Title:

 Size: A4
 Date:
 Rev:

 KiCad E.D.A. 9.0.1
 Id: 5/7

Note:
- PLace a 70 x 70 mm² ground plane around the module as part of the integrated antenna design. Module should be as part of the integrated antenna design. Module should be centered.

ANT_CTL —> GND selects internal antenna
GPS should be configured for Airborne <4G. This gives 80km max attituide, 20 km/s max vertical velocity, 500 m/s max horizontal velocity.

Generally, use software reset over UART command. RESET_N triggers the RAM to clear and the firmware reloaded from flash ANT_CTL -> GND selects internal antenna U6 DAN-F10-00B RXD 9 JUART_MCU_TX 32 ANT_CTRL TXD 10 DUART_MCU_RX +3.3V GND TIMEPULSE 20 DTIMEPULSE SAFEBOOT_N 18 RESET_N 16 ORESET_GPS VCC ×55 V_BCKP EXTINT 17 LNA_EN 39 GND Sheet: /GPS Antenna Module/ File: gps_antenna_module_dual_band.kicad_sch Title: Size: A4 Date: KiCad E.D.A. 9.0.1 ld: 6/7

