



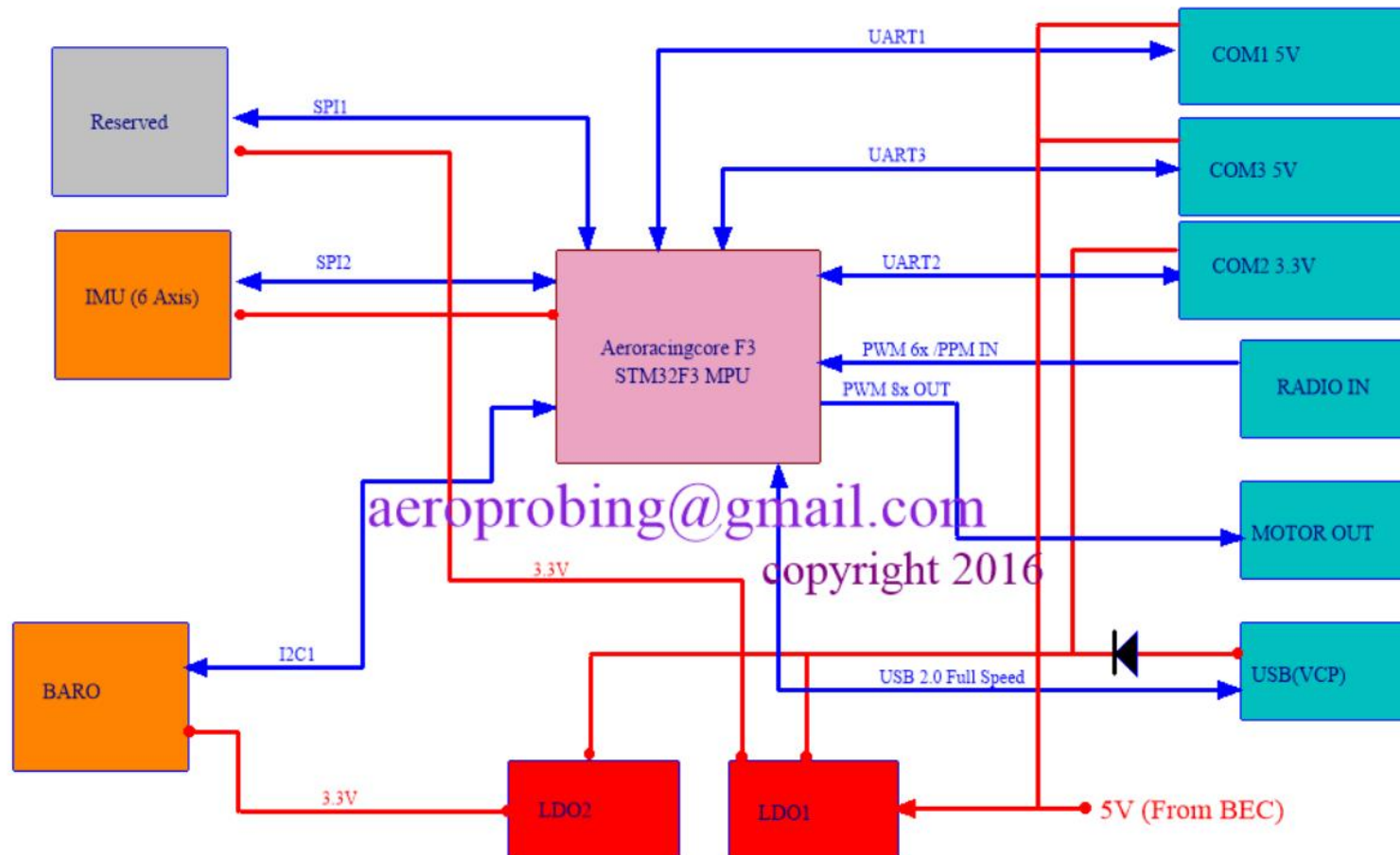
Aeroracingcore F3 Flight Controller

2016/07/31 by Lance Kao

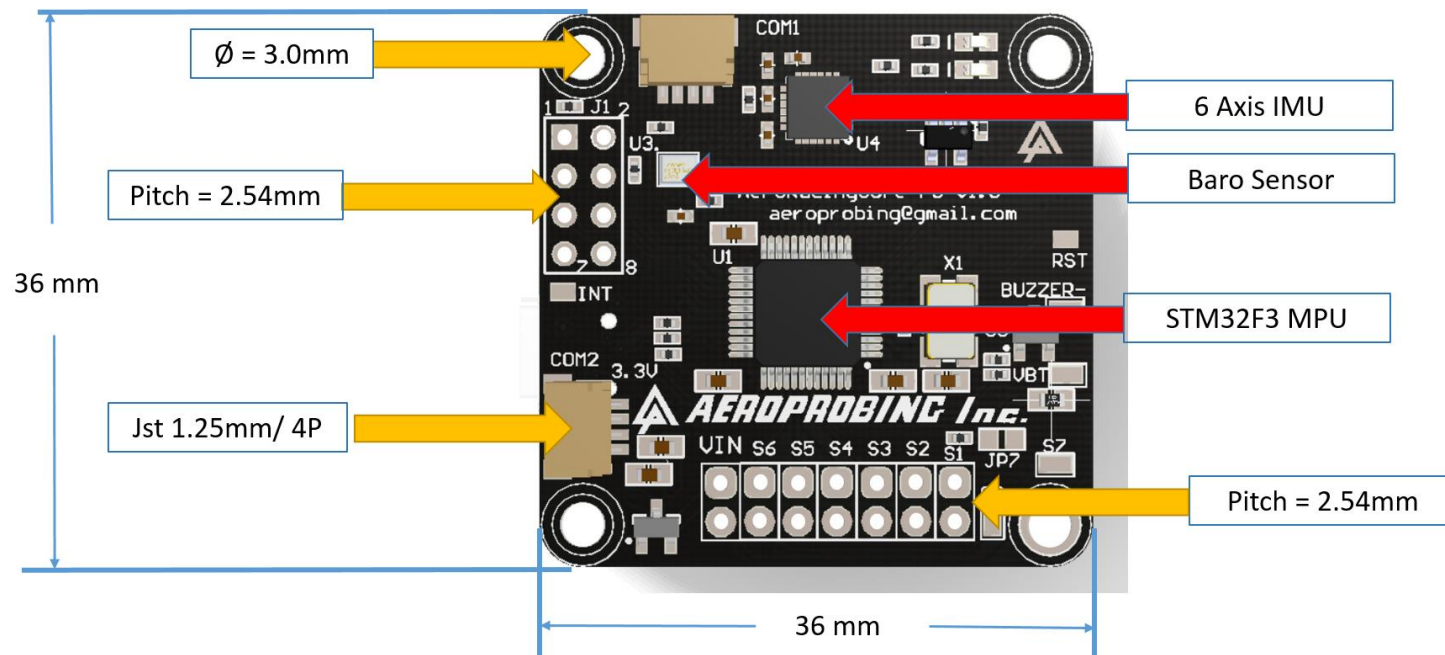
Features:

- STM32F3 MPU (Cortex-M4 with 72Mhz core frequency)
- MPU6000 IMU (8k control loop stable)
- 8 PWM I/O lines for ESCs and added options you may choose.
- Supports Sbus, SumH, SumD, Xbus, PPM, PWM receivers but has a recommended and weight saving direct connection specifically for Sbus, which is our recommended connection for flight control.
- Buzzer pad for audible lost model location.
- External microSD slot module for blackbox feature.
- Convenient pin outs for easy, reliable soldering.
- Available in Acro style with barometer design ready.
- Easy Pin Style Connectors
- #1 Choice for Drone Racers

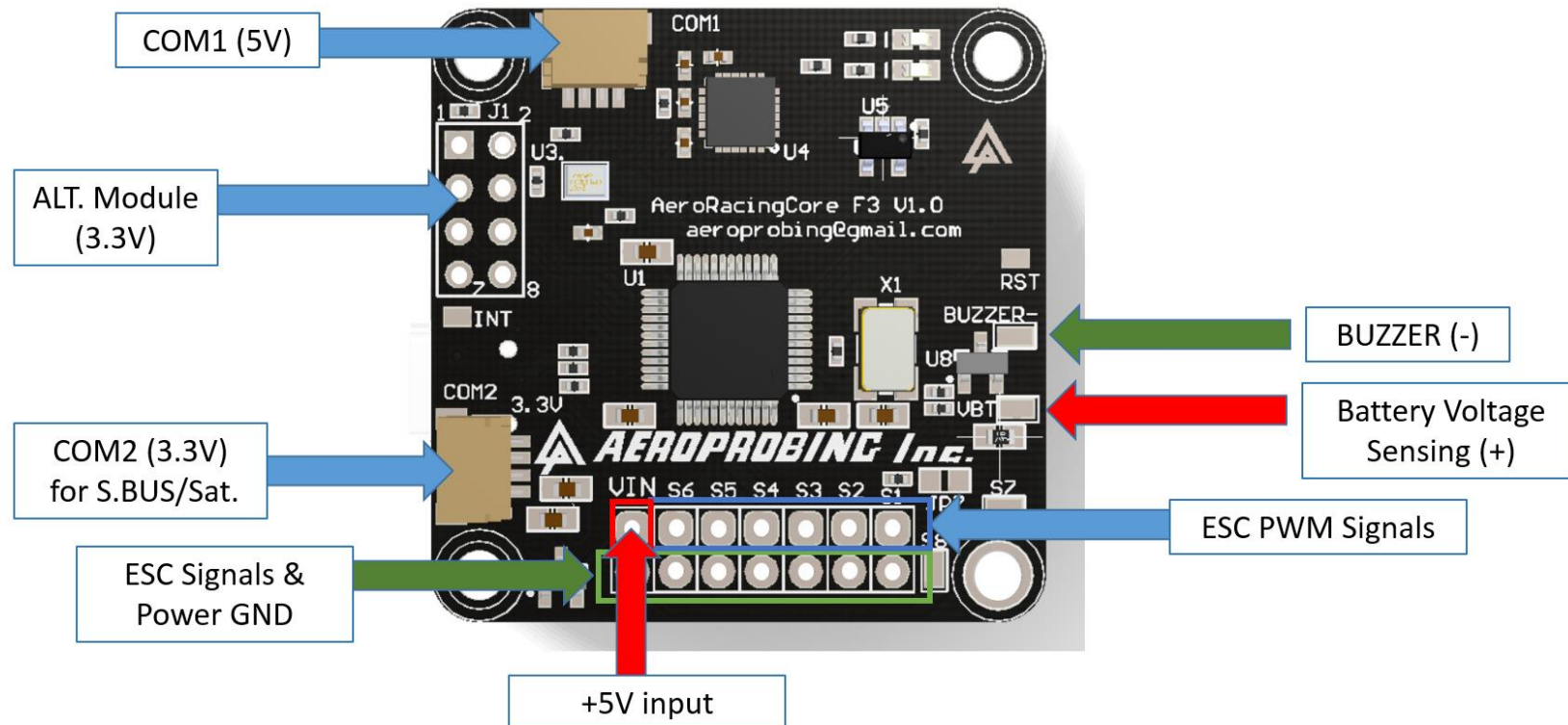
Block Diagram



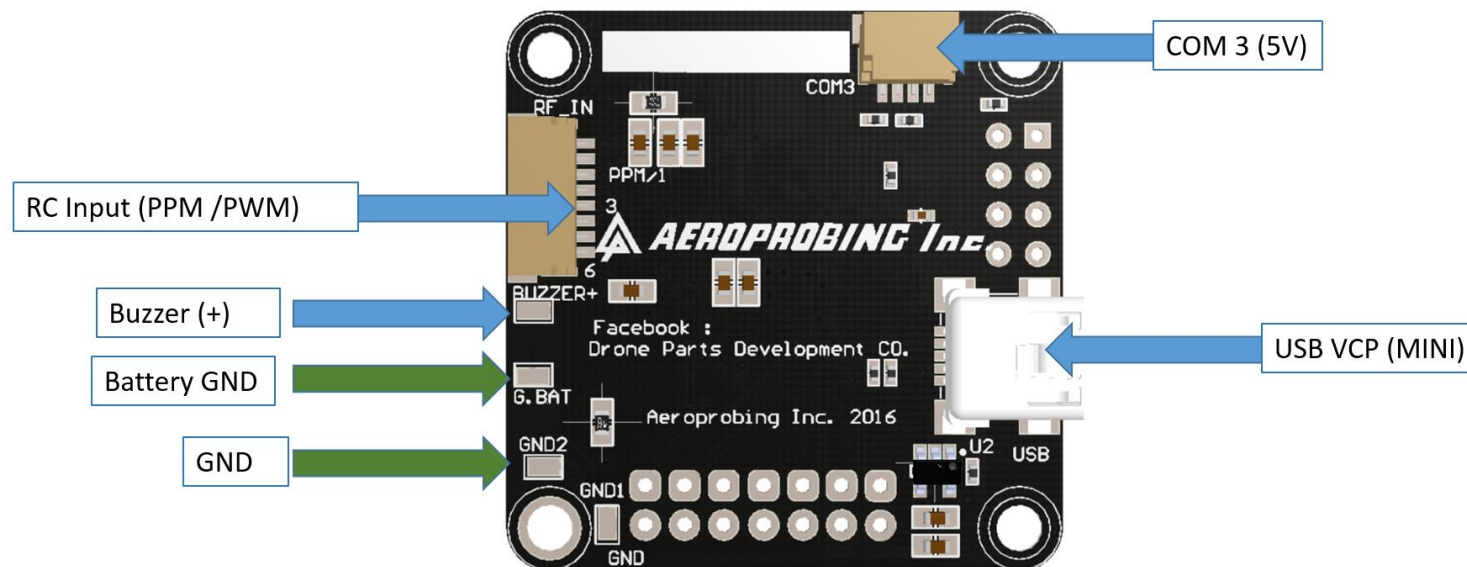
Aeroracingcore F3 Main Components and Mechanical Dimensions



Aeroracingcore F3 TOP VIEW

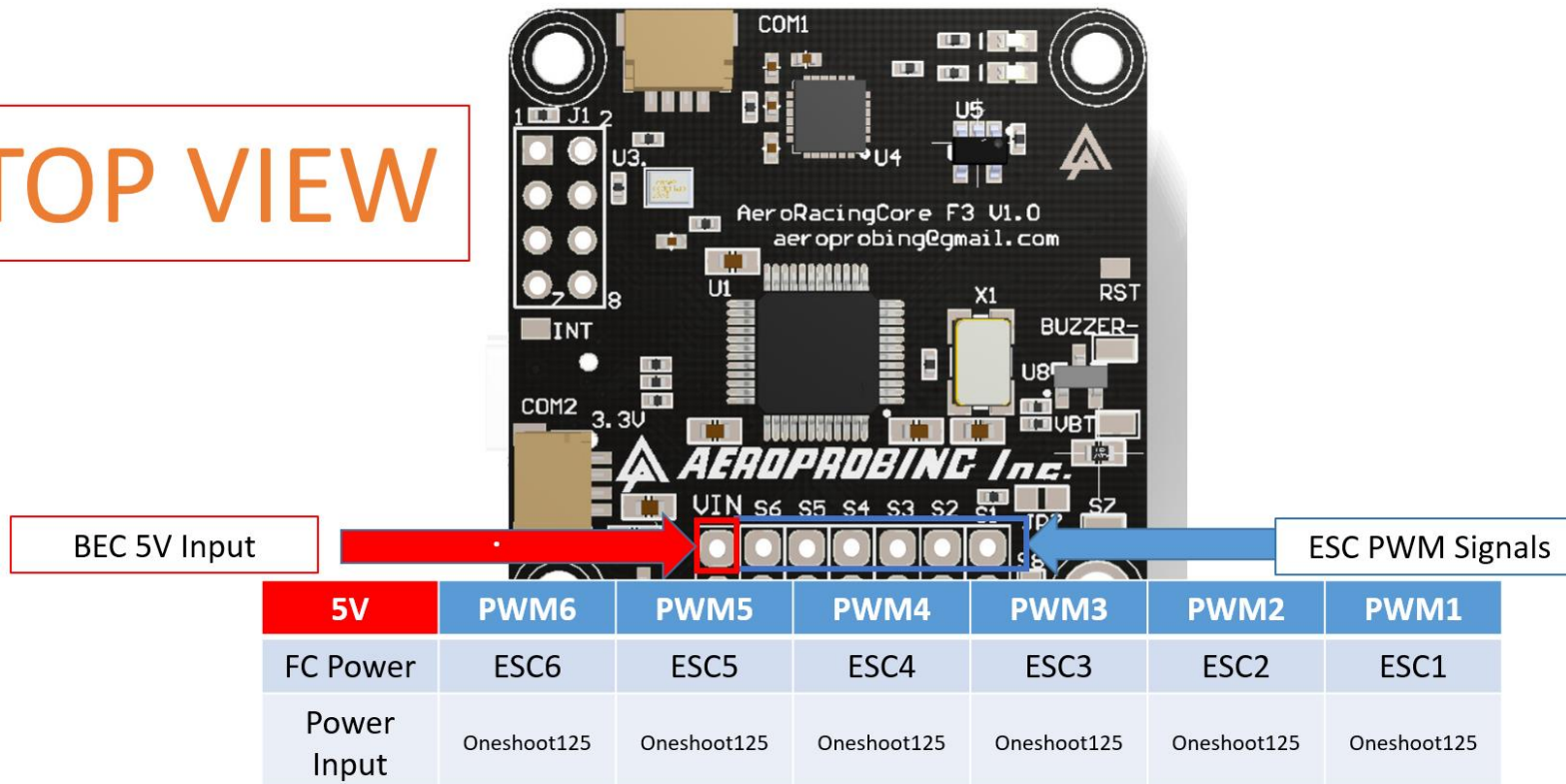


Aeroracingcore F3 BOTTOM VIEW

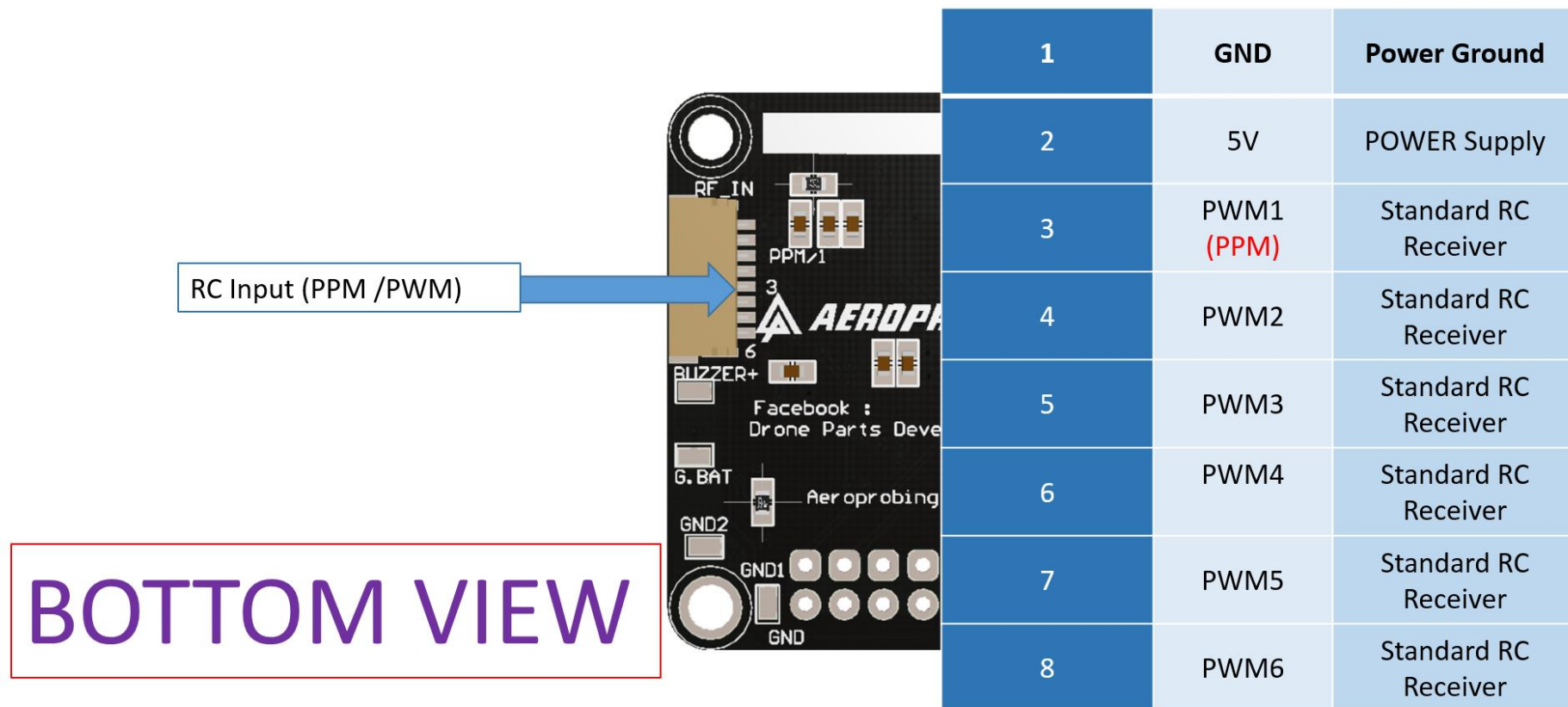


AeroracingcoreF3 I/O Connections – Motors/Power

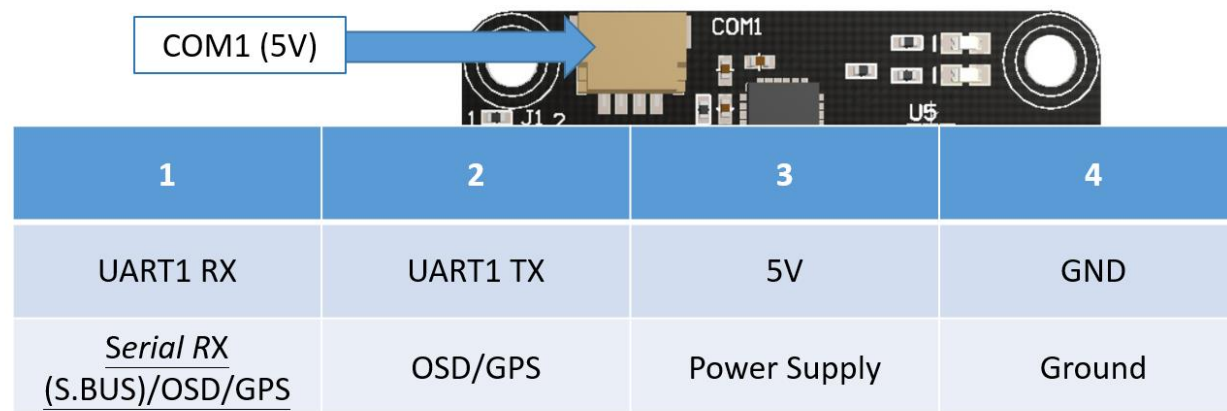
TOP VIEW



AeroracingcoreF3 I/O Connections –RC Signals



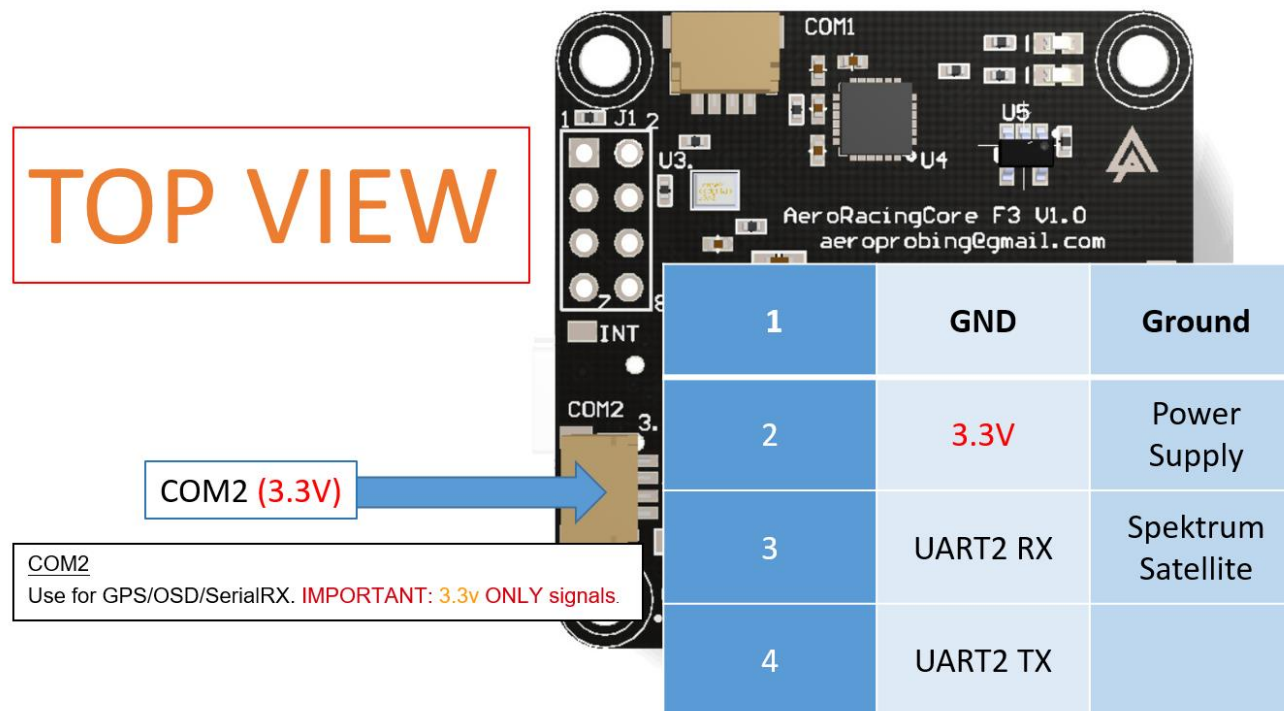
AeroracingcoreF3 I/O Connections –COM1



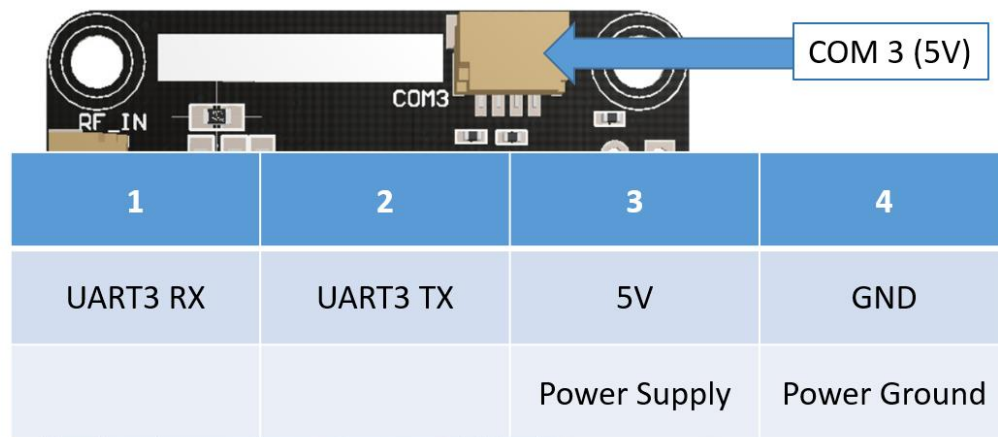
TOP VIEW



AeroracingcoreF3 I/O Connections –COM2



AeroracingcoreF3 I/O Connections – COM3



BOTTOM VIEW