

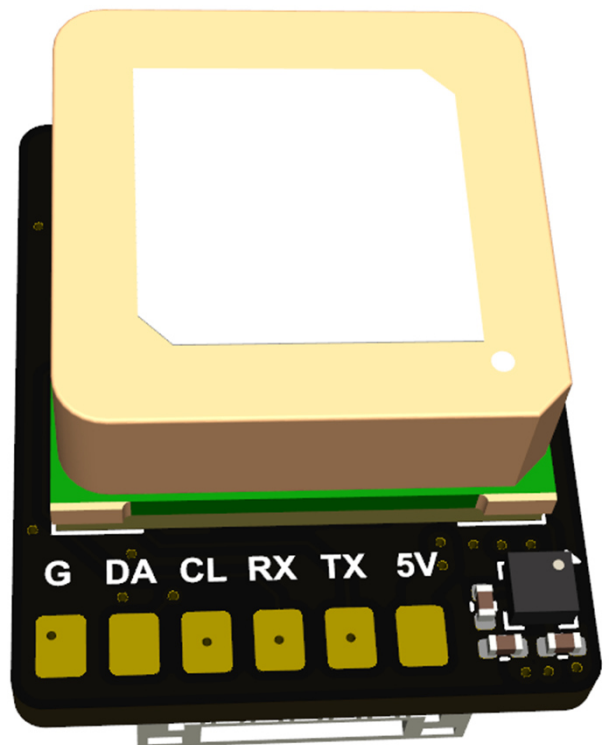
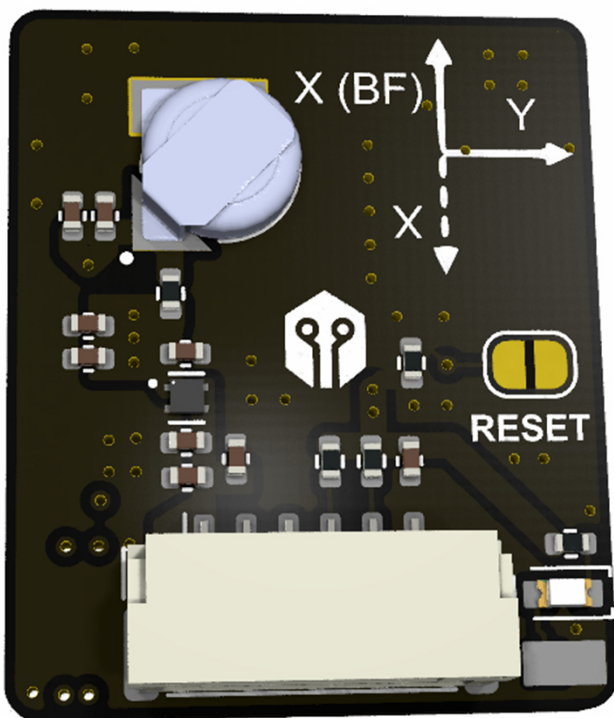


STANDARD SYSTEMS

Info Sheet

UBLOX SAM M10 GPS Module

Simple, High-reliability GNSS module designed for consistent positioning performance in a small form factor.



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DESIGN INTENT

- Small form factor for easy integration into group 1 UAS
- Designed for reliable, high performance attributable drone systems
- Excellent for FPV build and fly courses
- NDAA compliant and manufactured in the USA

CORE SYSTEM

- U-BLOX M10-series GNSS receiver
- ST Microelectronics LIS2MDL magnetometer
- Multi-constellation support for improved availability and accuracy
- Integrated ceramic antenna to accommodate small form factor builds

POWER & SIGNAL INTEGRITY

- Dedicated power filtering to reduce susceptibility to electrical noise
- Designed for stable operation from flight-controller-supplied power rails
- Clean signal routing for consistent GNSS performance under dynamic load
- Onboard battery preserves initial signal acquisition for several days

INTERFACES

- PIXHAWK standard pinout
- UART interface for GNSS data output
- I²C interface for magnetometer
- Compatible with common flight-control firmware including Betaflight, ArduPilot and PX4

PHYSICAL

- Weight: TBD
- Size: 22mm x 25mm