SIGNALCHIP

Steering the electron

JEET - GNSS RECEIVER IC



Features

- Multi-GNSS: NavIC, GPS, GLONASS, Galileo, BeiDou, QZSS, GAGAN, SBAS
- Dual RF Receiver
- Supports all NavIC & other GNSS bands (L1, L5, S, E)
- Multi tone continuous wave interference canceller
- Anti-Jamming
- Ultra-high sensitivity for acquisition and tracking
- Best-in-class Time-To-First-Fix
- NMEA-0183 communication protocol support
- Integrated Power Management
- Supports Active Antenna
- Battery backed memory
- Powers external crystal
- Supports RTC
- Embedded Flash

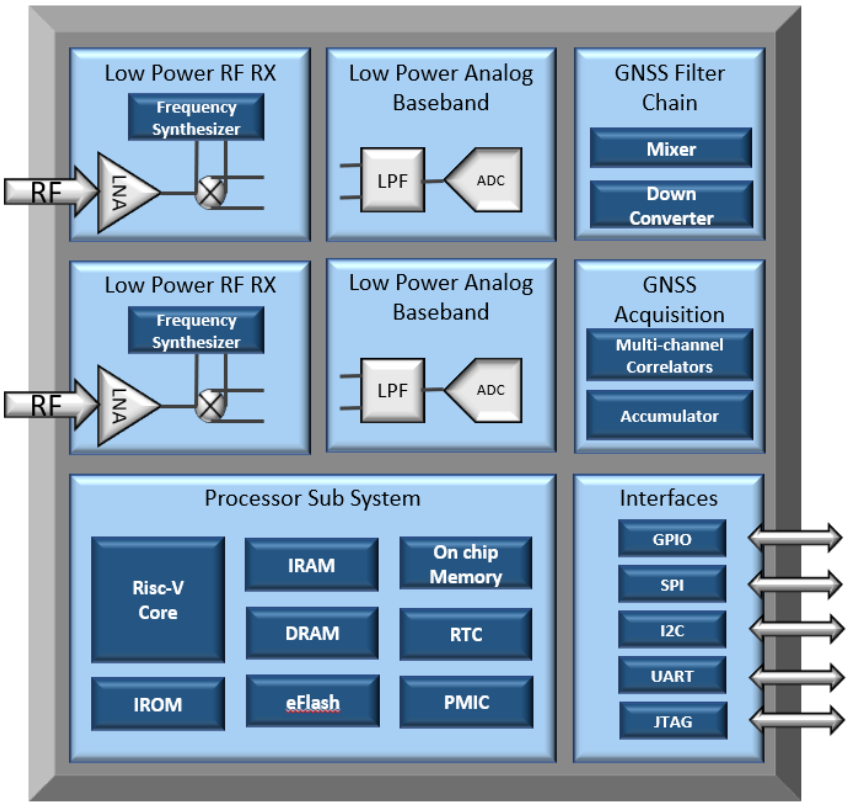
Mechanical

- Package size: 3.4mm x 3mm

Applications

- Smart Devices
- Wearables
- Tracking

Signalchip's Jeet NavIC/GNSS receiver is a small footprint, high-performance, ultra-low power, multi-frequency receiver with ultra-high acquisition and tracking sensitivity. Integrated SMPS enables direct battery connection thereby removing the need for external PMIC. Similarly, an embedded flash in the chip reduces the need for external storage. The above features help in reducing the module size and BOM cost, making it suitable for easy integration with handheld devices. Jeet supports NMEA-0183 communication protocol to send across PVT (position, velocity, and time) information. The chip supports all RF bands like L1, L2, L5, E, B, and S bands. Along with NavIC, it supports all other major GNSS constellations like GPS, GLONASS, Galileo, BeiDou, and QZSS.



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