



Product summary

RCB-F9T timing boards

Easy access to u-blox ZED-F9T multi-band timing technology

Highlights

- Timing boards with ZED-F9T
- Two frequency band variants
- Industry-standard form factor
- SMB antenna connector
- 8-pin connector for easy connectivity



Product description

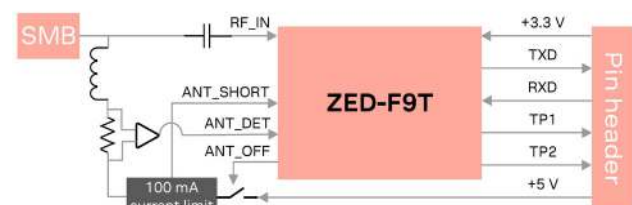
The RCB-F9T boards allow for easy evaluation and quick prototyping with the ZED-F9T high accuracy timing modules.

RCB-F9T is available in two different band variants, RCB-F9T-0 supporting L1/L2/E5b frequency bands and RCB-F9T-1 supporting L1/L5/E5a frequency bands.

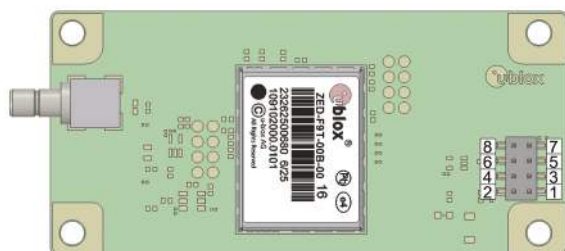
The ZED-F9T module provides multi-band GNSS timing and comes with nanosecond level timing accuracy in both standalone and differential timing modes.

The RCB-F9T timing board contains an SMB antenna connector and 5V power supply circuitry for active multi-band GNSS antennas. 8-pin, 2.0 mm pitch pin-header provides powering of the board, UART communications and two independently configurable time pulse signals. The evaluation software, u-center, provides a powerful platform for evaluation of u-blox GNSS receivers. With u-center, the receiver can be easily configured, and data can be logged as well as visualized in real time.

Block diagram



Pin order



Interfaces and electrical data

Antenna	SMB connector for active multi-band GNSS antenna
Pin header	1 Antenna power supply 5.0V max 100mA 2 Operating voltage, 3.3V 3 UART TXD, LVCMOS 4 Hardware reset (can be left floating) 5 UART RXD, LVCMOS 6 Time Pulse 1, LVCMOS 7 Time Pulse 2, LVCMOS 8 Ground
Protocols	NMEA, UBX, RTCM

Related products

ZED-F9T	u-blox F9 high accuracy timing modules
ANN-MB	Multi-band, high precision GNSS antenna supporting L1/L2/E5b bands
ANN-MB1	Multi-band, high precision GNSS antenna supporting L1/L5/E5a bands

Product variants

RCB-F9T-0	u-blox F9 high accuracy timing board with ZED-F9T-00B module supporting L1/L2/E5b bands
RCB-F9T-1	u-blox F9 high accuracy timing board with ZED-F9T-10B module supporting L1/L5/E5a bands

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For more product details and ordering information, see the product data sheet.