



## RESOLUTION SMT EMBEDDED GPS TIMING BOARD

### KEY FEATURES

- **Extended temperature range** (-40/+85 °C)
- **Compact surface-mount package** (2.54 mm T x 19 mm W x 19 mm L) in tape and reel packaging for low-cost, high-volume manufacturing
- **Accurate 1 PPS or even second output, synchronized to GPS or UTC** within 15 nanoseconds (1  $\sigma$ )
- **T-RAIM-Timing Receiver Autonomous Integrity Monitoring provides high PPS integrity**
- **Automatic self-survey**
- **TSIP and NMEA protocols**

Trimble delivers the next generation GPS timing solution in the Resolution SMT™ GPS board. Designed specifically for compact, high-volume applications, the Resolution SMT shrinks its form factor to a surface mount package, about the same size as a postage stamp. With the same pulse per second (PPS) accuracy and timing features, the Resolution SMT is the most cost-effective timing board ever produced by Trimble.

#### **Lowers total cost of operation**

The Resolution SMT lowers your total cost of operation by reducing the form factor to enable this timing functionality in the most compact user applications. The surface mount package enables high-volume and low-cost manufacturing, eliminating the need for costly connectors and substantial board space.

#### **Standard Timing features**

The Resolution SMT includes many of Trimble's standard timing features, including the Timing Receiver Autonomous Integrity Monitoring (T-RAIM) algorithm, and automatic self-survey.



#### **Starter Kit and Carrier Board Options**

The Resolution SMT board may be loaded directly onto the customer application board, or can be purchased on a carrier board for integrators who prefer the traditional form factor of the original Resolution T. The Starter Kit provides everything you need to evaluate the Resolution SMT board, including the Resolution SMT on a carrier board, AC/DC power converter, antenna and USB interface cable.

