

TRUTRAK™ EVOLUTION GPS RECEIVER LINEUP

TruTrak Evolution Dual-Frequency SiP (TTE-DS)

Low power, high accuracy, and small form-fit applications

- L1/L2 C/A and P(Y) with SAASM extended functions
- 24 tracking channels
- Two RF inputs for internal & external active antennas
- Form Factor similar to Type II SSI with ICD-GPS-153 messaging
- Size: 1.75" x 2.45"
- Weight: 35g
- Input power 3.3 VDC
- Mini 80-pin connector is pin-to-pin compatible with larger SSI 80 pin connector
- COM1 (either RS-232 or CMOS), COM2 (CMOS), DS-101/102, TOD and 1PPS
- Low-power Time Maintenance controller for fast Direct-P(Y) reacquisition
- XFACTOR II security-approved SAASM



TruTrak Evolution Single-Frequency SiP (TTE-SS)

Projectile and small form-fit applications

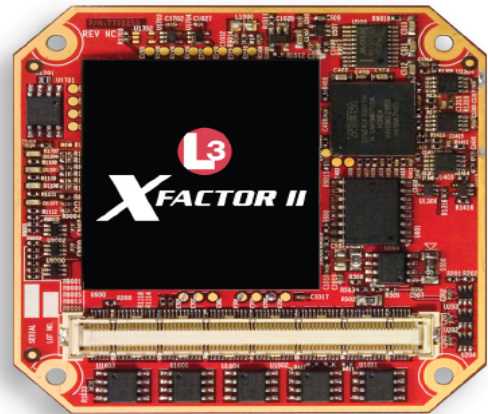
- L1 C/A and P(Y) with SAASM extended functions
- 24 tracking channels
- Single RF input for passive antenna
- Size 3.07" x 0.93" with tabs to 1.49"
- Weight: 23g
- Input power 3.3 VDC
- Mini 40-pin connector
- 1 x RS-232 and 2 x CMOS serial ports; DS-101/102, TOD and 1-10PPS
- Kalman filter with IMU-less Deep Coupling
- Capable of GPS up-finding
- XFACTOR II security-approved SAASM



TruTrak Evolution Dual-Frequency MCM (TTE-DM)

GPS Navigation Unit and User Processor development platform

- L1/L2 C/A and P(Y) with SAASM extended functions
- 24 tracking channels
- Single RF input for passive antenna
- Size 2.45" square
- Input power 3.3 VDC
- 140-pin connector supports 16-bit bus access to PowerPC User Processor
- 5 x RS-422 supports SDLC/AMRAAM, DS-101/102, TOD & 1PPS
- Kalman filter capable of Deep Coupling with or without IMU
- Capable of GPS up-finding
- XFACTOR II security-approved SAASM



The TruTrak Evolution offers an Integrated User Processor for hosting L-3 or Customer guidance/autopilot code. The User is a PowerPC 440 with floating point and 2MB SDRAM. The User offers extensive I/O and is completely reserved for host use. The User may drive flight subsystems directly, and offers direct bus access for interface to other processors.

L-3 Interstate Electronics Corporation

602 E. Vermont Ave.
P.O. Box 3117
Anaheim, CA 92803-3117
Tel: 714.758.4158
iec.info@L-3com.com

www.L-3com.com/iec



Cleared by DoD/OSR for Public Release Under OSR Case Number 09-S-0440 on January 2, 2009.