



Fastrax IT03/16, IT03-S, IT03-02

Change Notice #2

- **HW component changes**
- **Firmware rev 3.31**
- **2nd source Excel flash memory (relevant only for SDK customers)**

Summary

Fastrax IT03 series OEM GPS receiver modules will be updated with new internal HW components. All modules will be compatible with existing designs.

Updated modules will have no changes in electrical interface nor operation. Mechanical interface will have a minor change in IT03/16 and IT03-S due to implementation of castellated via holes at the edge of the SMT PCB, which allows hand soldering and better visual soldering inspection. The new castellated via holes are fully compatible with soldering pads in the previous design and do not require any changes in customer designs.

Affected hardware(s): IT03/16, IT03-S, IT03-02

Hardware change

- Internal Reset circuit update due to EOL
- Internal TCXO update to smaller 3.2x2.5 mm package
- Internal SAW band pass filter update to smaller package 2.5x2.0 mm
- I/O pad change to castellated via hole (excluding IT03-02)
- IT03-02 flash package change from TSOP to BGA (flipped assembly side as well)
- PCB revision updates due to component changes
- Added Excel flash as a 2nd source together with original Spansion flash (excluding IT03-S). This change requires actions from iSuite SDK users

Firmware 3.31

Firmware is current revision 3.31 and will not be updated at this stage.

<http://support.fastraxgps.com/>

2nd source Flash upgrade

Excel flash memory is added as a 2nd source alternative to IT03/16 and IT03-02 modules in 2010-10-01 and onwards. For iSuite SDK users the change requires either a patch to 3.31 iSuite SDK or upgrade to 3.41 iSuite SDK. A separate note will be distributed to iSuite SDK customers.

Documentation

Fastrax module Technical Descriptions will be updated.

Production

Introduction to production will be implemented after the EOL of the previous hardware revisions during July/2010.

New product codes:

IT03:

- IT0316-331E-STD-3278

IT03-S:

- IT03S-331E-STD-2766

IT03-02:

- IT3216-331E-STD-3279

