

## Teseo-LIV3F GNSS module Evaluation Board

Data brief



### Description

EVB-LIV3F board is a complete standalone evaluation platform for Teseo-LIV3F GNSS module ST solution.

Teseo-LIV3F embeds the high performance ARM microprocessor with embedded flash, UART and I2C serial communication interfaces.

Performance and configuration can be analyzed using the ST Teseo Suite Light PC Tool .<sup>(1)</sup>

### Features

- ST Teseo-LIV3F GNSS platform
- Multiconstellation GNSS: GPS, Galileo Glonass, Beidou, QZSS supported
- USB Power Supply and battery charge
- Internal battery footprint for standalone usage
- ON/OFF and Reset buttons available
- NMEA over
  - UART by USB
  - I2C by connector
- PPS output
- Leds:
  - PPS
  - Power

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1. ST Teseo Suite can freely be downloaded from:  
<http://www.st.com>

# 1 HW and SW resources

## 1.1 ST GNSS solutions

Teseo-LIV3F is part of ST Teseo GNSS family solution supported.

## 1.2 Power supply

Board powered through USB or battery for standalone usage. Battery charger supported.

## 1.3 NMEA port supported:

- Teseo-LIV3F-UART over USB <sup>(2)</sup>
- Teseo-LIV3F-I2C

## 1.4 Connectors

- Antenna SMA Female
- Teseo-LIV3F-I2C signals available (on 4x1 connector)
- VCC, VCC\_IO voltage available for power estimation (on 2x2 connector)

## 1.5 Kit contents

- Teseo-LIV3F evaluation board
- GNSS Antenna
- USB cable

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2. UART/USB bridge driver needed. Driver can be downloaded from Silabs web site

## 2 Revision history

Table 1. Document revision history

| Date        | Revision | Changes          |
|-------------|----------|------------------|
| 14-Nov-2017 | 1        | Initial release. |

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