Teseo-V Evaluation Board

Features

- ST Teseo-V STA8100GA with RF Front-End STA5635A GNSS platform
- Multiconstellation and MultiBand GNSS: GPS, Galileo Glonass, BeiDou, QZSS supported
- USB Power Supply
- Button:
  – ON/OFF button
  – Reset button
  – Boot button
- NMEA over
  – UART by USB
- PPS output
- Leds:
  – PPS
  – Power
  – Antenna
- ODO/CAN connector
- ST ASM330LHH MEMS

Description

The EVB-T5 board is a complete standalone evaluation platform for Teseo-V STA8100GA GNSS Multi Band and Multi Constellation Receiver with STA5635A RF Front-End IC solution.

The EVB-T5 is designed for best STA8100GA and STA5635A best performance. Boot and Reset buttons allow an easy programming procedure.

The 4-pins connector allows access to the ODO/CAN signals to simplify car-connection.

Teseo-V embeds the high performance ARM Cortex-M7 microprocessor with RF front-end able to support different bands (L1, L2 and L5), UART communication interfaces.

The STA5635A is a fully integrated RF front-end able to support different bands (L2 and L5) with a programmable IF Bandwidth (7 or 13 MHz).

Performance and configuration can be analysed using the ST Teseo Suite PC Tool available on www.st.com.

Product status link
EVB-T5

Order code	References
EVB-T5	Teseo-V Evaluation Board

DB4139 - Rev 1 - February 2020
For further information contact your local STMicroelectronics sales office.

www.st.com

1 HW and SW resources

1.1 ST GNSS solutions

Teseo-V STA8100GA with STA5635A is part of ST Teseo GNSS Multi-Band and Multi Constellation family solution supported.

1.2 Power supply

Board powered through USB.

1.3 NMEA port supported

Teseo-V-UART over USB.

1.4 Connectors

The connectors are:
- Antenna SMA Female
- ODO/CAN signals available (on 4x1 connector)
- SD/MMC connector

1.5 Sensors

ST ASM330LHH MEMS.

1.6 Kit contents

- EVB-T5 Evaluation Board
- USB cable

Revision history

Table 1. Document revision history

Date	Version	Changes
12-Feb-2020	1	Initial release.

Contents

IMPORTANT NOTICE – PLEASE READ CAREFULLY

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[STMicroelectronics](#):
   [EVB-T5](#)