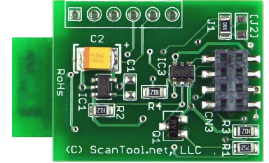


STM4100

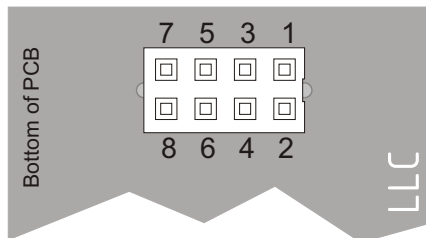
Low Profile Bluetooth to UART Module



Features

- Bluetooth 2.0 Class 1, FCC certified
- Range 330 ft (100 m)
- Baud rate 1200 bps to 234 Kbps (default 38400 bps)
- Small size: 1.31x.84" (33.2 x 21.4 mm)
- Low vertical profile
- On-board ceramic antenna
- Embedded Bluetooth Serial Port Profile (SPP)
- Operating voltage from +3.5V to +6.5V
- Signal levels TTL/CMOS compatible
- Tristateable Tx output
- 2-mm female 4x2 connector
- Programming header for quick firmware updates
- Available in small quantities

Pinout



- 1 - Bluetooth Status
- 2 - Bluetooth Connect
- 3 - Ground
- 4 - Tx Enable
- 5 - Reset
- 6 - Rx
- 7 - V_{SUP} (+3.5..+6.5V)
- 8 - Tx

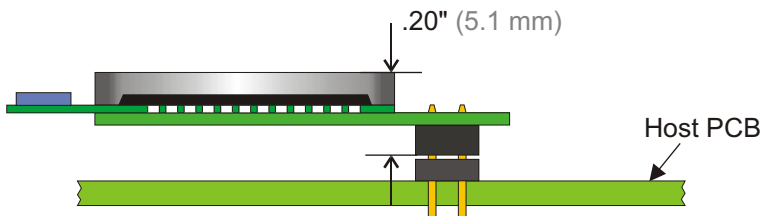
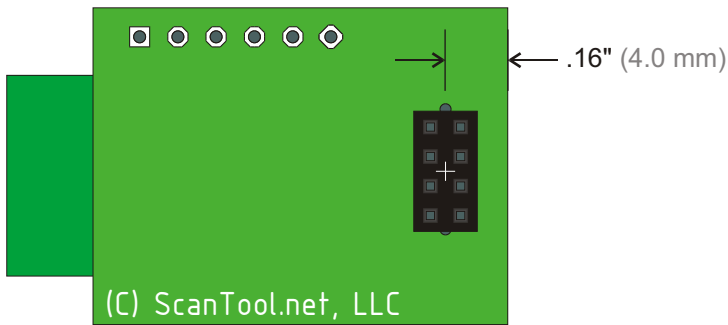
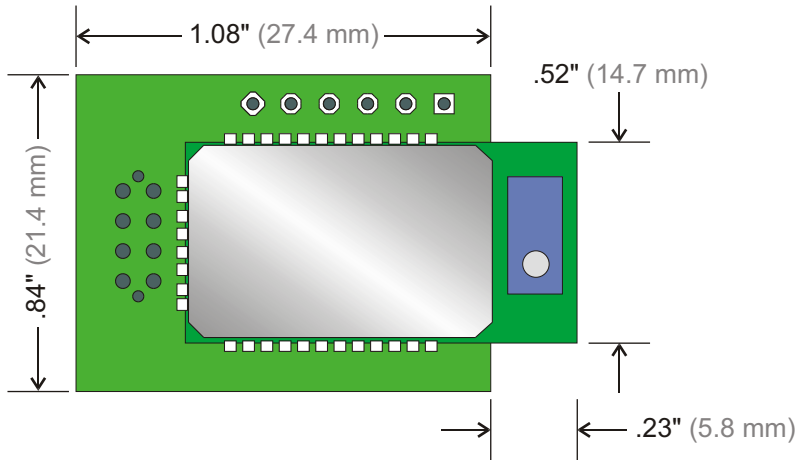
Description

The STM4100 is a generic Bluetooth to UART module, designed to quickly add wireless UART communications capability to any project. The module is a truly integrated, plug-and-play solution, featuring a built-in low dropout voltage regulator, on-board ceramic antenna, and a unique low-profile connection, which gives the STM4100 several important advantages over SMT modules:

- Can be installed one at a time to add wireless functionality to the host PCB
- Easy to remove to repair or replace
- More useable boards space on the host PCB: components can be placed under the module
- Smaller financial investment (only buy as many modules as are needed in the short term)
- Perfect to use for prototyping

The Tx output can be disabled by applying a logic HIGH to the Tx Enable pin, which makes it possible to have the target board switch automatically between the wired and wireless modes.

Dimensions



Ordering Information

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STM4100-20071004 The information given in this document is provided as a guideline only. We reserve the right to make changes to the product described herein, without prior notice.