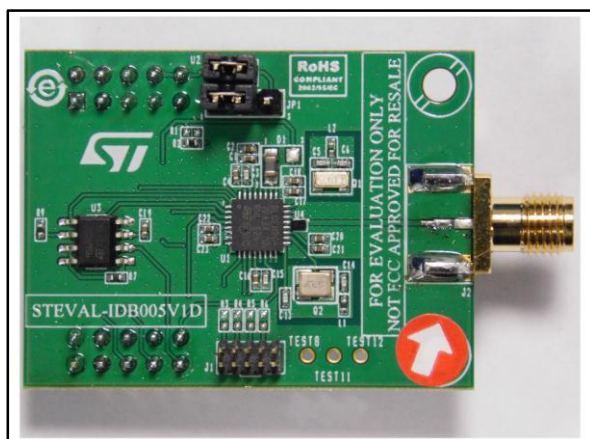


RF daughterboard platform based on BlueNRG-MS

Data brief



Description

The STEVAL-IDB005V1D is an RF daughterboard platform based on the BlueNRG-MS low power Bluetooth® Smart IC, compliant with the Bluetooth® 4.1 specifications and supporting both master and slave roles.

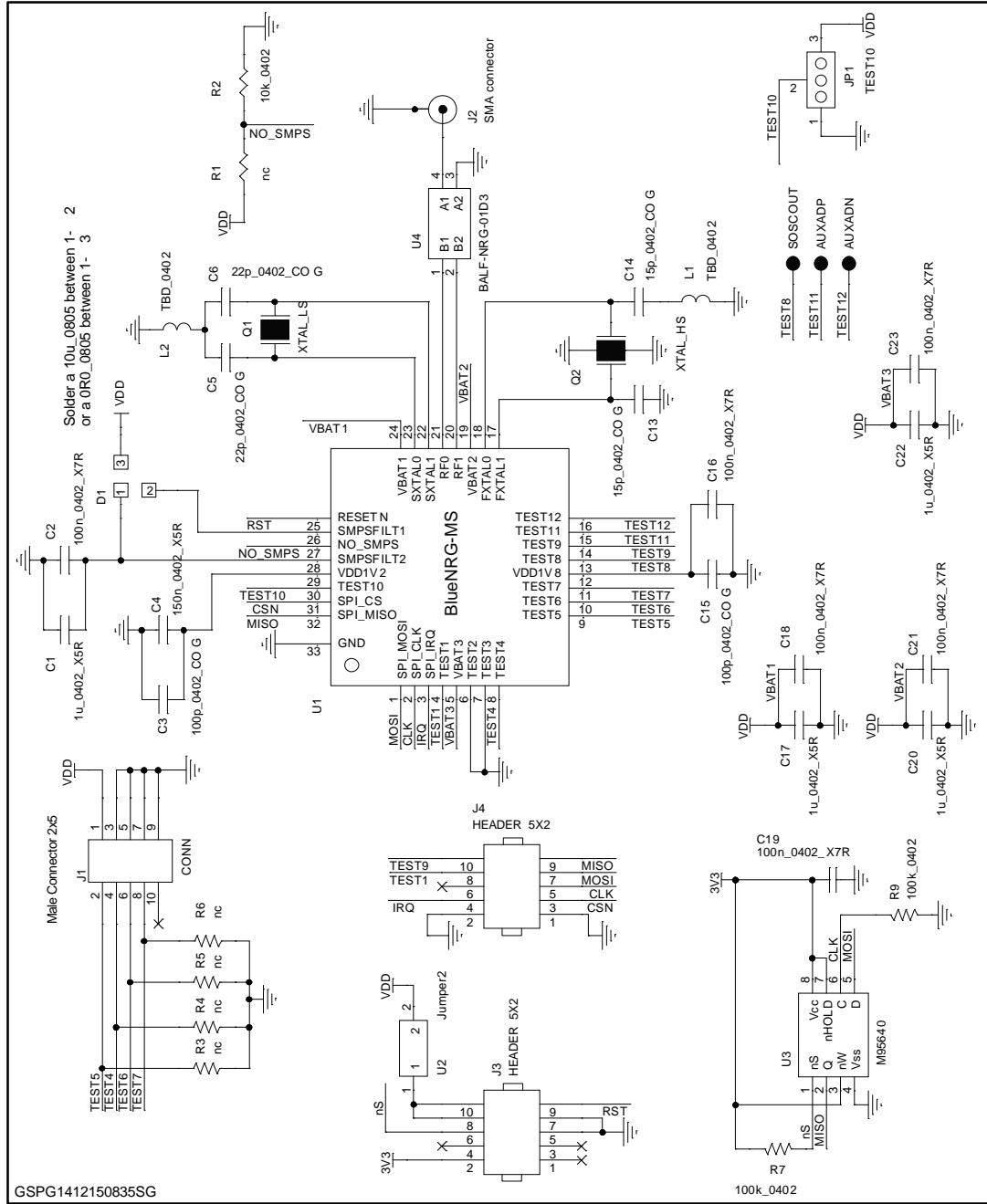
The STEVAL-IDB005V1D RF daughterboard features the BlueNRG-MS device, an SMA connector for antennas or measuring instruments and an SPI connector for an external microcontroller. It can be connected to STM32L motherboards available with the STEVAL-IDB002V1 and STEVAL-IDB005V1 platforms.

Features

- Bluetooth® SMART RF daughterboard based on the BlueNRG-MS low energy network processor
- Maximum transmission power +8 dBm
- Excellent receiver sensitivity (-88 dBm)
- Very low power consumption: 7.3 mA RX and 8.3 mA TX at +0 dBm
- Bluetooth® low energy 4.1 compliant, supports both master and slave roles
- RoHS compliant

1 Schematic diagram

Figure 1: STEVAL-IDB005V1D circuit schematic



2 Revision history

Table 1: Document revision history

Date	Version	Changes
17-Dec-2015	1	Initial release.

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