Features

Evaluation Module Accessory

- Accessory for the R-78S3.3-0.1-EVM-1

- Mates with SensiBLE v1.0

Description

The R-78S3.3-0.1-EVM-1/SBL-1 is a breakout board developed to be used with a SensiBLE v1.0 [1] module from SensiEDGE and the R-78S3.3-0.1-EVM-1 evaluation module to demonstrate IoT applications using the SensiBLE v1.0 module. Functions of the SensiBLE v1.0 module include 3-axis accelerometer, 3-axis magnetometer, 3-axis digital gyroscope, pressure, microphone, relative humidity, ambient light and temperature sensors. SensiBLE v1.0 contains an on-board coin battery which must be removed prior to connecting to the R-78S3.3-0.1-EVM-1/SBL-1. When supplied by R-78S3.3-0.1-EVM-1 with a AA battery, operation lifetime increases dramatically.
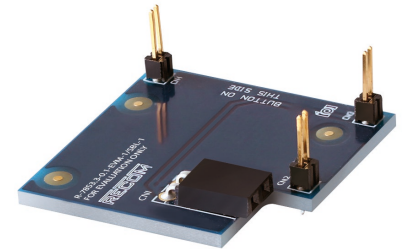
Notes:

Note1: The SensiBLE v1.0 module from SensiEDGE is not provided by RECOM

Quick Start Guide

- Insert the AA battery into the battery holder.

- Ensure that the coin battery is removed from the SensiBLE v1.0 module.

- Insert the SensiBLE v1.0 module onto the R-78S3.3-0.1-EVM-1/SBL-1, and plug into header J7 (refer to pictures for correct orientation).

- Turn on using the switch on the R-78S3.3-0.1-EVM-1 (Note: to reduce the power consumption, no indicator LED is fitted). Remember to switch off to conserve the battery.

- To connect with the SensiBLE v1.0 module, download and install the ST BlueMS App on your mobile phone and touch "START SCANNING".

- This breakout board only connects to the power terminals of the SensiBLE v1.0 module.
- Communication is via Bluetooth (App available).
- CN2-pin 1 is connected to GND.
- CN3-pin 1 is connected to VDDUSB (with connection to R-78S3.3-0.1-EVM-1 it is 3.3V).
- All the other pins are not connected and serve only as mechanical connections.

www.recom-power.com/eval-ref-boards

Schematic

VDDUSB

CN3-A

CN1

SSW-102-02-T-S-RA

1 2

GND

CN2-A
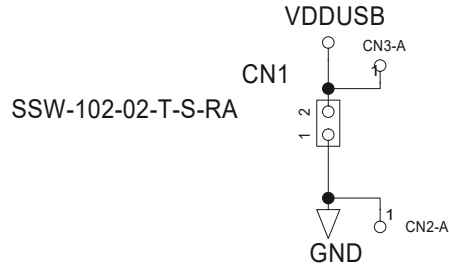
DIMENSION AND PHYSICAL CHARACTERISTICS

Parameter	Type	Value
Dimension (LxWxH)		30.0 x 30.0 x 12.0mm
Weight		3.3g typ.

Layout

30mm

24.5mm

30mm

20mm

CN4

BUTTON ON THIS SIDE

CN1

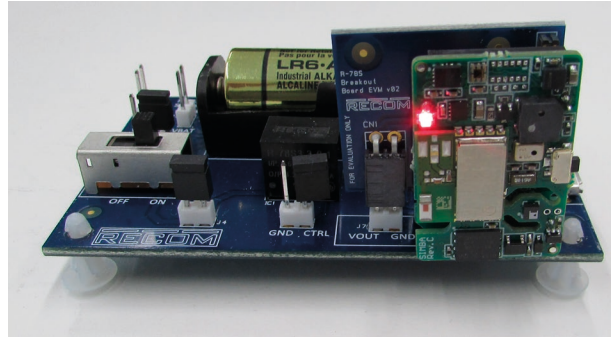R-78S3.3-0.1-EVM-1/SBL-1
FOR EVALUATION ONLY

CN2

CN3

RECOM
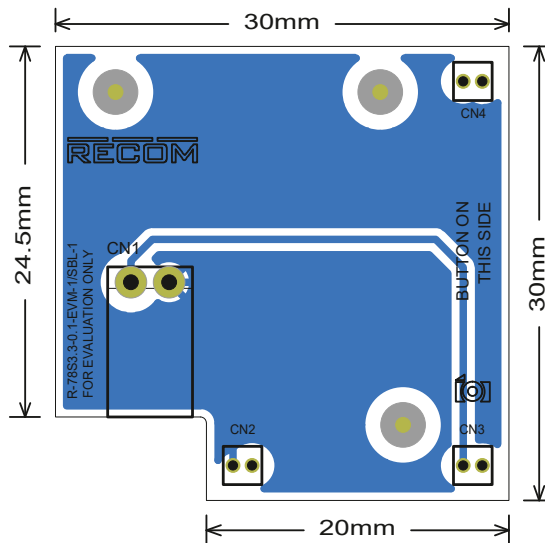
R-78S3.3-0.1-EVM-1/SBL-1 with the SensiBLE v1.0 module
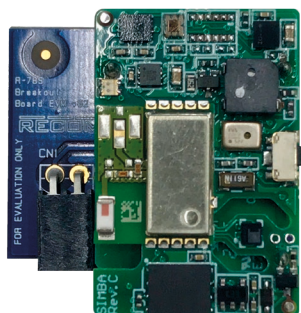
Assembled R-78S3.3-0.1-EVM-1/SBL-1 on the R-78S3.3-0.1-EVM-1

PACKAGING INFORMATION

Parameter	Type	Value
Packaging Dimension (LxWxH)	airbag	45.0 x 100.0 x 12.0mm
Packaging Quantity		1pcs

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