Features

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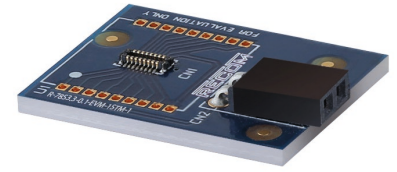
- Accessory for the R-78S3.3-0.1-EVM-1

- Mates with STLCS01V1

Description

The R-78S3.3-0.1-EVM-1/STM-1 is a breakout board developed to be used with an ST Microelectronics STEVAL STLCS01V1 SensorTile [1] module and the R-78S3.3-0.1-EVM-1 evaluation module to demonstrate IoT applications using the SensorTile module. Functions of the SensorTile module include MEMS digital microphone, 3D accelerometer and gyroscope, 3D magnetometer, MEMS atmospheric pressure sensor and ambient temperature.

Notes:

Note1: The STEVAL STLCS01V1 from ST Microelectronics is not provided by RECOM.

Quick Start Guide

- Insert the AA battery into the battery holder.
- Insert the SensorTile module onto the R-78S3.3-0.1-EVM-1/STM-1, and plug into header J7 (refer to picture R-78S3.3-0.1-EVM-1/STM-1 with the SensorTile 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 SensorTile module, download and install the ST BlueMS App on your mobile phone and touch "START SCANNING".

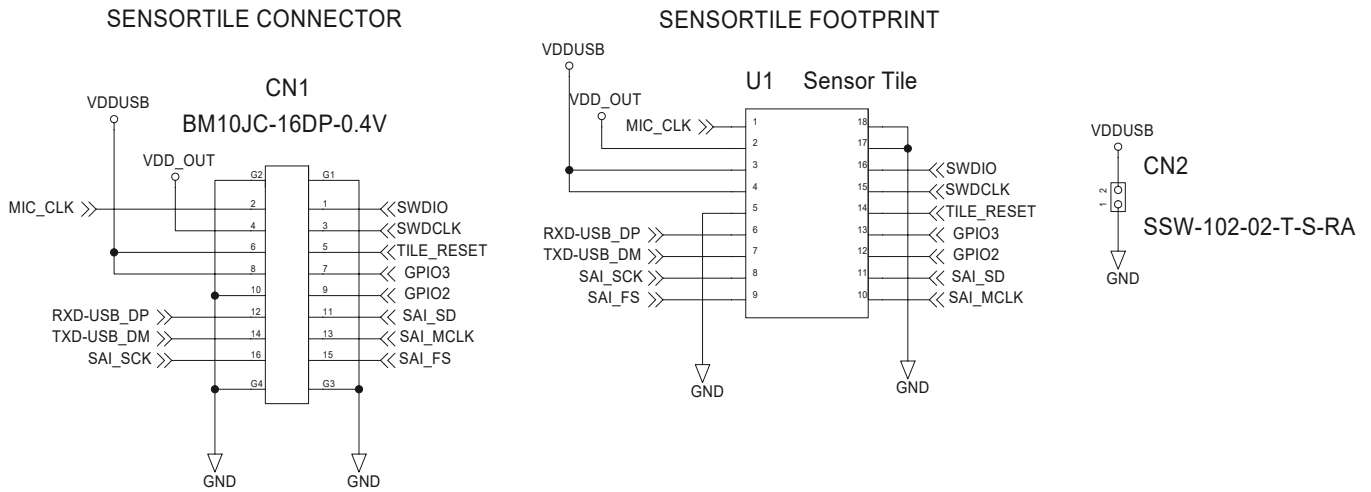Download on the App Store   GET IT ON Google Play

- This breakout board only connects to the power terminals of the SensorTile module.
- Communication is via Bluetooth (App available from ST).
- The vias (U1) mate with the SensorTile to connect to the snap-in connector CN1. They can also be used as measuring points if needed.
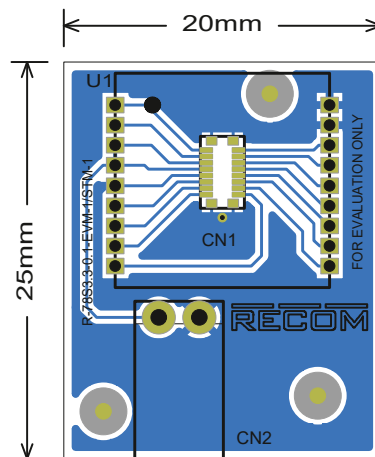
EVAL BOARD available

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

Schematic

SENSORTILE CONNECTOR

CN1
BM10JC-16DP-0.4V

VDDUSB
VDD_OUT

MIC_CLK

G2	G1
2	1	SWDIO
4	3	SWDCLK
6	5	TILE_RESET
8	7	GPIO3
10	9	GPIO2

RXD-USB_DP 12 | 11 SAI_SD
TXD-USB_DM 14 | 13 SAI_MCLK
SAI_SCK 16 | 15 SAI_FS

G4 | G3

GND   GND

SENSORTILE FOOTPRINT

VDDUSB
VDD_OUT
MIC_CLK

U1   Sensor Tile

1	18
2	17
3	16	SWDIO
4	15	SWDCLK
5	14	TILE_RESET
RXD-USB_DP | 6 | 13 | GPIO3 |
TXD-USB_DM | 7 | 12 | GPIO2 |
SAI_SCK | 8 | 11 | SAI_SD |
SAI_FS | 9 | 10 | SAI_MCLK |

GND   GND

VDDUSB

CN2

SSW-102-02-T-S-RA

GND

DIMENSION AND PHYSICAL CHARACTERISTICS

Parameter	Type	Value
Dimension (LxWxH)		25.0 x 20.0 x 2.0mm
Weight		2g typ.

Layout

20mm

25mm

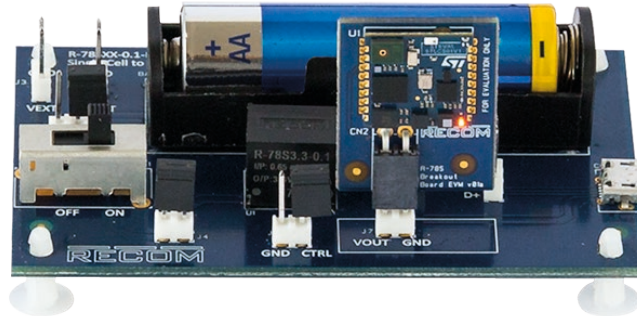U1

FOR EVALUATION ONLY

CN1

CN2

RECOM

R-78S3.3-0.1-EVM-1/STM-1 with the SensorTile

Assembled R-78S3.3-0.1-EVM-1/STM-1 on the R-78S3.3-0.1-EVM-1

PACKAGING INFORMATION

Parameter	Type	Value
Packaging Dimension (LxWxH)	airbag	40.0 x 60.0 x 10.0mm
Packaging Quantity		1pcs

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Bluetooth Development Tools - 802.15.1 *category:*

Click to view products by Recom Power *manufacturer:*

Other Similar products are found below :

DA14580PRODTLKT 1628 MBH7BLZ02-EF-KIT CYBLE-014008-PROG FWM7BLZ20-EB-KIT ATSAMB11ZR-XPRO SKY66111-21EK1 SECO-RSL10-TAG-GEVB ENW89857AXKF 3026 MIKROE-2471 MOD-NRF8001 BLE-IOT-GEVB 450-0184 MIKROE-2399 EKSHCNZXZ EVAL_PAN1026 EVAL_PAN1720 EVAL_PAN1740 2267 2479 2487 2633 STEVAL-IDB005V1D STEVAL-IDB001V1 MIKROE-2545 SIPKITSLF001 2995 STEVAL-IDB007V1M 2829 DFR0267 DFR0296 DFR0492 TEL0073 BM-70-CDB WSM-BL241-ADA-008DK STEVAL-BTDP1 ACD52832 TEL0095 ISP1507-AX-TB RN-4871-PICTAIL DA14695-00HQDEVKT-P DA14695-00HQDEVKT-U EVK-NINA-B112 EBSHJNZXZ EKSHJNZXZ BMD-200-EVAL-S ACN BREAKOUT BOARD ACN SKETCH 2269