M-C30EV141

Data Sheet
USB Evaluation Cable for EPSON Accelerometer

■ OVERVIEW

This USB Evaluation Cable enables a PC to control an Epson Accelerometer via USB interface. The USB evaluation cable simplifies the initial evaluation and rapid testing of the Epson Accelerometer.

■ BLOCK DIAGRAM

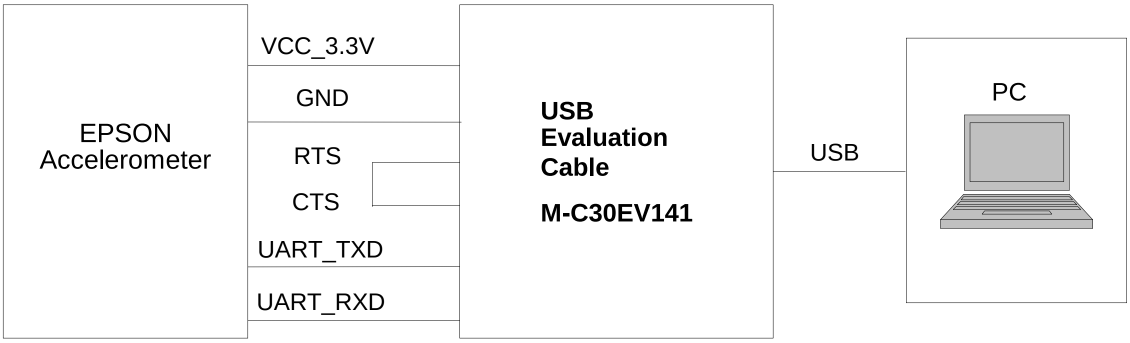
EPSON
Accelerometer
VCC_3.3V
GND
RTS
CTS
UART_TXD
UART_RXD
USB
Evaluation
Cable
M-C30EV141
USB
PC

Fig1. Block Diagram

■ RECOMMENDED OPERATING CONDITION

The USB Evaluation Cable supports PCs running Microsoft Windows7/ 8/ 10(32/64bit). Other hardware connection or software environments are not tested by Epson.

Table1. Recommended Operating Condition

Support OS	Windows 7/ 8/ 10 (32/64bit)
USB Specification	1.1 / 2.0
Operation Temperature	Room Temperature

■ CABLE DIAGRAM

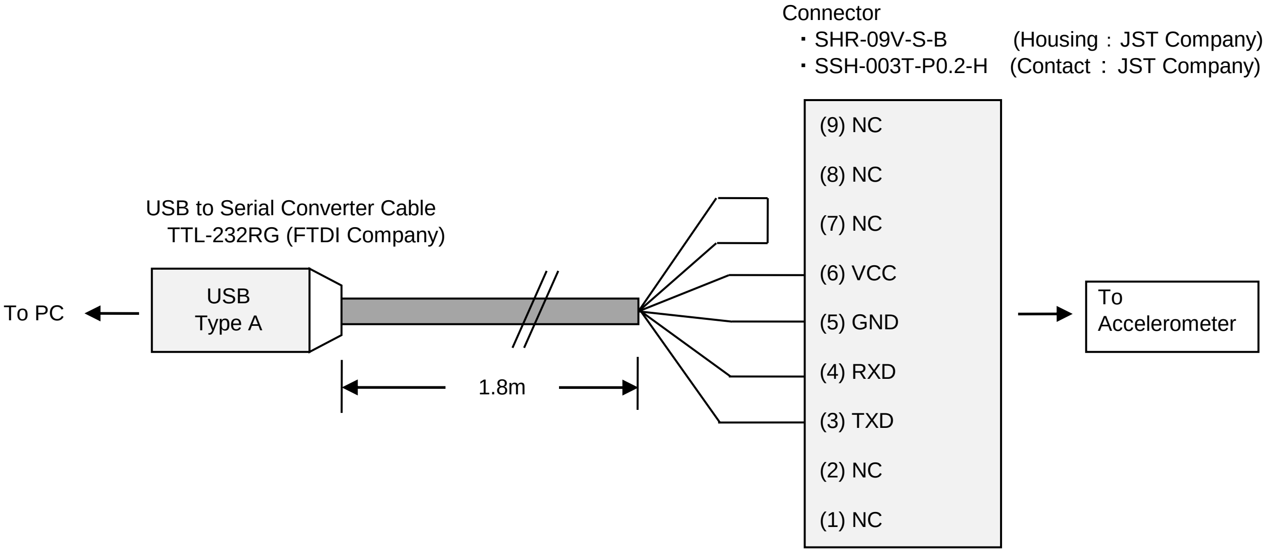
Connector
・SHR-09V-S-B (Housing：JST Company)
・SSH-003T-P0.2-H (Contact：JST Company)
USB to Serial Converter Cable
TTL-232RG (FTDI Company)
To PC
USB
Type A
1.8m
(9) NC
(8) NC
(7) NC
(6) VCC
(5) GND
(4) RXD
(3) TXD
(2) NC
(1) NC
To
Accelerometer

Fig2. Cable Diagram

■ SUPPORTED DEVICES

Table2. Supported Devices

USB Evaluation Cable	Supported Accelerometer
M-C30EV141	M-A351AU

■ SOFTWARE REQUIREMENT

FTDI Driver

If the driver software (USB Serial Converter, USB Serial Port (COMx)) is requested when the USB evaluation cable is connected to the PC, install the driver using either of the following two methods.

- Update the driver via Windows Device Manager. (Automatic Update over the Internet is recommended.)
- Access the FTDI website (http://www.ftdichip.com/Drivers/VCP.htm) and download the appropriate driver for the OS.

■ ACCELEROMETER LOGGER SOFTWARE

The accelerometer logger software is provided for use with the USB Evaluation Cable to allow easy evaluation of the Epson Accelerometer. For information about the accelerometer logger software, contact our representatives.

For Contact
SEIKO EPSON CORPORATION
Wearable Products Operations Division
WP Sales and Marketing Department
TEL: +81-266-61-0614, FAX: +81-266-61-2045

Software & Manuals Download Website:
http://global.epson.com/products_and_drivers/sensing_system/technical_info/evaluation_tools/

■ IMPORTANT NOTES OF USE

⚠ CAUTION

- Please read the caution sheet that is bundled before use.
- This “USB Evaluation Cable” communicates directly with accelerometer. Please refer to ‘Supported Devices’ section for the supported accelerometer model.
- Please ensure the accelerometer is connected to the USB Evaluation Cable before inserting or removing the USB cable from the PC.
- Do not insert or remove the USB cable immediately after connecting.
- The accelerometer can be easily moved by the USB cable resulting in possible damaged by the impact. Please take precaution to prevent impact by restraining the accelerometer.

■ Product Number and Order information

Please order using the following number.

Order Number	Product Number	Comment
E92E606141	M-C30EV141	USB Evaluation Cable for Epson Accelerometer

Evaluation Board/Kit and Development Tool Important Notice

⚠CAUTION

1. This evaluation board/kit or development tool is designed for engineering evaluation, demonstration, or development purposes only. Do not use it for any other purposes. The conformance test for this product in accordance with European EMC regulations and United States FCC regulations has not been conducted.
2. This evaluation board/kit or development tool is intended for use by electronics engineers and is not a consumer product. Malfunction by the electrical noise may result from usage depending on your environment. The user should ensure it is used in a safe and proper manner.
3. Seiko Epson does not assume any responsibility or liability of any kind from damage and/or fire caused by the use of this evaluation board/kit or development tool. The user should cease using this evaluation board/kit or development tool if any abnormal issue occurs even during proper and safe usage.
4. When disposing of this evaluation board/kit or development tool, discard in accordance with domestic law concerning disposal.
5. The parts used for this evaluation board/kit or development tool may be changed without notice.
6. Do not allow heaters, human body or metal parts to contact the non-insulated parts of this evaluation board/kit or development tool.
7. Do not allow the human body or metal parts to contact any openings of this evaluation board/kit or development tool.
8. Do not allow excessive stress on mounted components, board wiring, and electric wire of this evaluation board/kit or development tool.
9. When exporting the products or technology described in this material, the user should comply with the applicable export control laws and regulations and follow the procedures required by such laws and regulations. Do not use, resell, export and/or otherwise disclose of these products (and any technical information, if any) for the development and/or manufacture of weapons of mass destruction or other military purposes.

WARNING

⚠WARNING

This product contains chemicals, including lead, known to the State of California to cause birth defects or other reproductive harm. Wash hands after handling. (This notice is provided in accordance with Proposition 65 in Cal. Health & Safety Code § 25249.5 and following.)

NOTICE

No part of this material may be reproduced or duplicated in any form or by any means without the written permission of Seiko Epson. Seiko Epson reserves the right to make changes to this material without notice. Seiko Epson does not assume any liability of any kind arising out of any inaccuracies contained in this material and, further, there is no representation that this material is applicable to products requiring high level reliability, such as, medical products. Moreover, no license to any intellectual property rights is granted by implication or otherwise, and there is no representation or warranty that anything made in accordance with this material will be free from any patent or copyright infringement of a third party. Keep this manual at hand to answer any questions you have about this product during use.
All brands or product names mentioned herein are trademarks and/or registered trademarks of their respective companies.

©Seiko Epson Corporation 2018, All rights reserved.

SEIKO EPSON CORPORATION
MSM BUSINESS PROJECT

281, Fujimi, Fujimi-cho, Nagano 399-0293, JAPAN
Phone: +81-266-61-0614 FAX: +81-266-61-2045

First issue June, 2018 in Japan
Rev.20180314

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Multiple Function Sensor Development Tools ***category:***

Click to view products by Epson ***manufacturer:***

Other Similar products are found below :

MAXWSNENV# STEVAL-MKIT01V1 KT-O2-25%-TB200A-E KT-TVOC-200-TB200A KT-NmHc-200-TB200A SEN0344 PIM520 PIM518 PIM519 PIM502 AS7022-EVALKIT ALTEHTG2SMIP OB1203SD-U-EVK MIKROE-4265 ARG-LDKT EV_ICG-20660L GX-F12A-P GX-F15A GX-F6A-P GX-F8B GX-H12A-P GX-H6A-P 1093 MIKROE-2455 MIKROE-2458 MIKROE-2507 MIKROE-2508 MIKROE-2516 MIKROE-2529 1458 MIKROE-1628 176 189 1893 2106 ATQT4-XPRO GP30-DEMO MODULE GX-F12AI-P GX-F15A-P GX-F8A-P GX-H15A-P GX-H8A GX-H8A-P GX-F15AI-P GX-FL15A-P GX-H15A AAS-AQS-UNO DFR0018 DFR0165 DFR0280