EVKT-USBI2C-02

Communication Interface Device
USB to I²C/PMBus

DESCRIPTION

EVKT-USBI2C-02 is the evaluation kit that provides the USB to I2C port as well as PMBus capabilities. It is designed to work with MPS I2C and PMBus products, and Virtual Bench Pro, and I2C GUI tools. The EVKT-USBI2C-02 kit includes one USB to I2C communication device interface, one USB cable, one 10-pin ribbon cable one 3-pin ribbon cable, and one thumb drive with datasheet, and driver files. Together with MPS Virtual Bench Pro and I2C GUI tools, it provides a quick and easy way to evaluate the performance of MPS digital products.

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EVKT-USBI2C-02 CONNECTION

RIBBON CABLE DESCRIPTION

EVKT-USBI2C-02 supports two kinds of ribbon cable connections between the communication interface device and the evaluation board, 3-Pin ribbon cable and 10-Pin ribbon cable. Figure 1 shows the bottom view of the 10-Pin ribbon cable and Table 1 shows the pin description.

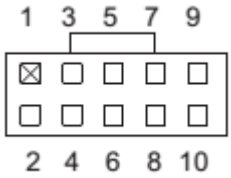

Figure 1: 10-Pin Ribbon Cable Bottom View

Table 1. 10-Pin Ribbon Cable Pins

Pin#	Description	Pin#	Description
1	SCL	2	SCL
3	GND	4	GND
5	SDA	6	SDA
7	GND	8	GND
9	NC	10	NC

QUICK START GUIDE

1. Connect the EVKT-USBI2C-02 to the computer.
2. Once the USB driver has been successfully installed, connect the EVKT-USBI2C-02 to the evaluation board with the 3-pin ribbon cable or 10-pin ribbon cable and make sure the connection is right.
3. Turn on the power supply of the evaluation board, then Start the I2C GUI software, it will check the connection automatically. If the connection is not successful, a warning will appear at the bottom. Otherwise, the address will be listed in the Slave Address bar.
4. Select the part number, the control register information will be seen in the Register Control bar.