



# EVKT-USBSPI-00

## USB to SPI

### Communication Interface Device

#### DESCRIPTION

The EVKT-USBSPI-00 is a USB to SPI communication interface device. It is designed to work with MPS's SPI products and SPI GUI tools. The EVKT-USBSPI-00 kit includes one USB to SPI communication device interface,

one USB cable, one 10-pin ribbon cable, one 5-pin ribbon cable, one datasheet, and driver files. Together with MPS's SPI GUI tool, it provides a quick and easy way to evaluate the performance of MPS digital products.

#### EVKT-USBSPI-00

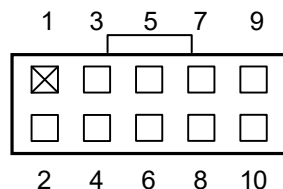


#### EVKT-USBSPI-00 CONNECTION



## RIBBON CABLE DESCRIPTION

The EVKT-USBSPi-00 supports two kinds of ribbon cable connections between the communication interface device and the evaluation board: a 5-pin ribbon cable and a 10-pin ribbon cable. Figure 1 shows the bottom view of the 10-pin ribbon cable, and Table 1 shows the pin descriptions.



**Figure 1: 10-Pin Ribbon Cable Bottom View**

**Table 1: 10-Pin Ribbon Cable Pins**

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

## QUICK START GUIDE

1. Connect the EVKT-USBSPi-00 to the evaluation board with the 5-pin ribbon cable or the 10-pin ribbon cable. <sup>(1)</sup>
2. Connect the EVKT-USBSPi-00 to the computer with the USB cable. <sup>(1)</sup>
3. Turn on the power supply for the evaluation board.
4. Start the SPI GUI software; it should check the connection automatically.

**Note:**

- 1) The sequence of steps 1 and 2 must be followed. Otherwise, the communication pins may be damaged during a hot-plug event.



## REVISION HISTORY

Revision #	Revision Date	Description	Pages Updated
1.0	6/19/2023	Initial Release	-

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