SC-USB-SPI: USB to SPI Interface Adapter

General Description

SC-USB-SPI is an adapter used for converting a computer's USB interface connection to the Serial Parallel Interface (SPI) used by the SC1887. Only two connections are required for use with the SC1887 and no external power supply is required. The USB connection from the host computer is made through a standard USB 2.0 cable and connects to the USB-B female connector, J3, on SC-USB-SPI. The interface connection between circuit assembly containing the SC1887 and the USB-SPI adapter is through J2.

This adapter can only be used to run one instance of the SC1887 GUI at a time. Conflicts will occur when running multiple SC1887 GUIs trying to open the same SPI communication pipe.

Typical Operating Temperature: 25°C

Connector Interface Descriptions

J2- SC1887 EVB Interface[3]

Pin	Description	Connection to SC1887 EVB 3.0
1	WDT (Watch Dog Timer)[1]	J2-1 (TESTSEL2)[2]
2	Spare 1[1]	J2-2 (TESTSEL1)[2]
3	TESTSEL0	J2-3 (TESTSEL0)
4	STATO	J2-4 (STATO_B)
5	TXENB	J2-5 (TXENB)
6	RESETN	J2-6 (RESETN)
7	GND	J2-7(GND)
8	SSN	J2-8 (SSN)
9	GND	J2-9 (GND)
10	SDO	J2-10 (SDI)
11	GND	J2-11 (GND)
12	SDI	J2-12 (SDO_B)
13	GND	J2-13 (GND)
14	SCK	J2-14 (SCLK)

Connection Diagram

1 For Factory use only.
2 Signal not used on SC-1887 Evaluation Board (EVB 3.0).
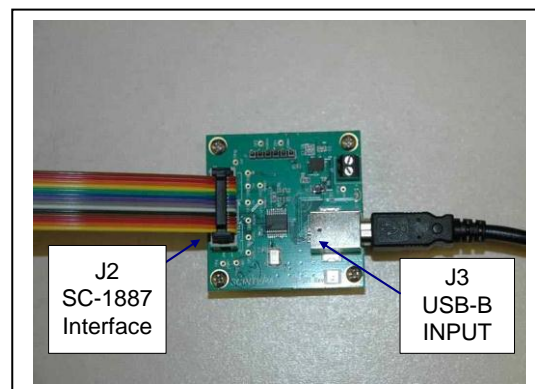**3** Mating connector P/N AWP14-7241-T-R, Assmann Electronics provided with SC-USB-SPI.

J3- USB-B Interface (Mating Connector- USB-B male)

Evaluation Kit Ordering Information

Part Number	Description
SC-USB-SPI	Adapter, SPI-USB Interface/Controller

For More Information Contact Scintera:

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