

**General Description**

SC-USB-SPI2# is an adapter used for converting a computer’s USB interface connection to the serial parallel interface (SPI) used by the SC2200. This is not required for operating the SC2200 evaluation kits. It is only recommended for prototypes debug and/or programming linearizer during manufacturing (if no other means available such as onboard microcontroller).

Only two connections are required for use with the SC2200 and no external power supply is required. The

**Connector Interface Descriptions**

J1 SC2200 Interface = J112 Connector on SC2200 Board<sup>3, 4</sup>

PIN	DESCRIPTION
1	GND
2	INTRN <sup>2</sup>
3	DVDDIO
4	SSCLK
5	RESETN
6	SSDO
7	MSO
8	SSDI
9	MS <sup>12</sup>
10	SSSN0
11	DVDDIO <sup>1</sup>
12	GND <sup>1</sup>
13	GND
14	GND
15	GND
16	GND

- Note 1.** Signal can be left unconnected.
- Note 2.** Signal not used with SC2200 (can be left unconnected).
- Note 3.** Har-flex straight Harting male connector (manufacturer part number is 15110122601000).
- Note 4.** The Harting cable (part number 3315243010000X with X = 4, 5, or 6 for different length) needs to be ordered separately.

USB connection from the host computer is made through a standard USB 2.0 cable – a male-to-micro-USB B connected to female connector, J20, on SC-USB-SPI2#. The interface connection between the board containing the SC2200 and the SC-USB-SPI2# adapter is through J1.

This adapter can only be used to run one instance of the SC2200 GUI at a time. Conflicts will occur when running multiple SC2200 GUIs trying to open the same SPI communication pipe.

Typical Operating Temperature: +25°C

**J20-Micro-B Female Connector**

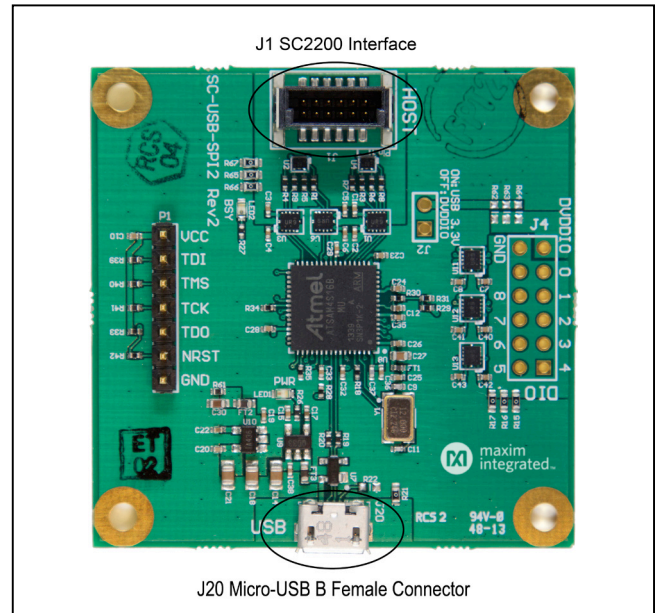


Figure 1. Connection Diagram

**Adapter Ordering Information**

PART NUMBER	DESCRIPTION
SC-USB-SPI2#	Adapter from USB interface to SC2200 serial parallel interface*

\*Not required for operating evaluation kits. Only recommended for prototypes debug and/or programming linearizer during manufacturing (if no other means available such as onboard micro-controller.)



## Revision History

REVISION NUMBER	REVISION DATE	DESCRIPTION	PAGES CHANGED
0	3/16	Initial release	—

For pricing, delivery, and ordering information, please contact Maxim Direct at 1-888-629-4642, or visit Maxim Integrated's website at [www.maximintegrated.com](http://www.maximintegrated.com).

*Maxim Integrated cannot assume responsibility for use of any circuitry other than circuitry entirely embodied in a Maxim Integrated product. No circuit patent licenses are implied. Maxim Integrated reserves the right to change the circuitry and specifications without notice at any time.*