



# SCC System Configuration Worksheet

## Customer Information

Name \_\_\_\_\_ Title \_\_\_\_\_

Company \_\_\_\_\_ Department \_\_\_\_\_

Shipping Address \_\_\_\_\_ Mail Stop \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Tel \_\_\_\_\_ Fax \_\_\_\_\_ E-Mail \_\_\_\_\_

*After completing this worksheet, you can generate your own quote online. Visit [ni.com/catalog](http://ni.com/catalog) and select "Order by Part Number." Otherwise, contact your Sales Representative.*

## Ordering Information

Select your SCC modules (Choose up to eight SCC analog input modules):

QTY	Description	Channels	Part Number	QTY	Description	Channels	Part Number
___	SCC-TC01 (thermocouple)	1	777459-03	___	SCC-AI05 (1 V, 10 kHz)	2	777459-24
___	SCC-TC02 (thermocouple)	1	777459-04	___	SCC-AI06 (100 mV, 10 kHz)	2	777459-25
___	SCC-SG01 (¼ bridge, 120 Ω)	2	777459-13	___	SCC-AI07 (50 mV, 10 kHz)	2	777459-26
___	SCC-SG02 (¼ bridge, 350 Ω)	2	777459-14	___	SCC-AI13 (10 V, 4 Hz)	2	777459-27
___	SCC-SG03 (½ bridge)	2	777459-15	___	SCC-AI14 (5 V, 4 Hz)	2	777459-28
___	SCC-SG04 (full bridge)	2	777459-16	___	SCC-A10 (100 V)	2	777459-06
___	SCC-RTD01 (RTD)	1	777459-18	___	SCC-CI20 (4-20 mA)	2	777459-05
___	SCC-ICP01 (accelerometer)	2	777459-19	___	SCC-LP01 (filter – 25 Hz)	2	777459-07
___	SCC-AI01 (42 V, 10 kHz)	2	777459-20	___	SCC-LP02 (filter – 50 Hz)	2	777459-08
___	SCC-AI02 (20 V, 10 kHz)	2	777459-21	___	SCC-LP03 (filter – 150 Hz)	2	777459-09
___	SCC-AI03 (10 V, 10 kHz)	2	777459-22	___	SCC-LP04 (filter – 1 kHz)	2	777459-10
___	SCC-AI04 (5 V, 10 kHz)	2	777459-23	___	SCC-FT01 (feedthrough)	2	777459-01

Choose up to eight SCC digital I/O modules or second stage filter modules:

QTY	Description	Channel	Part Number	QTY	Description	Channel	Part Number
___	SCC-DI01 (isolated input)	1	777459-11	___	SCC-LP02 (filter – 50 Hz)	2	777459-08
___	SCC-DO01 (isolated output)	1	777459-12	___	SCC-LP03 (filter – 150 Hz)	2	777459-09
___	SCC-SG11 (shunt cal.)	2	777459-17	___	SCC-LP04 (filter – 1 kHz)	2	777459-10
___	SCC-LP01 (filter – 25 Hz)	2	777459-07	___	SCC-FT01 (feedthrough)	2	777459-01

Choose up to four SCC feedthrough modules for access to the analog output or counter/timer features of the DAQ device:




QTY	Description	Channel	Part Number
___	SCC-FT01 (feedthrough)	1	777459-01

**Select your DAQ device and cable accessory:**

**Choose the DAQ device you want to control your SCC system. Select from the recommendations below, or see page 307 of *The Measurement and Automation Catalog 2001* for more options.**

DAQ Device	Description	Part Number	Cabling Option	Cable P/N
<input type="checkbox"/> DAQCard™-6062E	12-bit, 250 kHz, 2 DACs	777976-01	SHC68U-68-EP (1 m)	187406-01
<input type="checkbox"/> DAQCard-AI-16XE-50	16-bit, 20 kHz	777231-01	PSHR68-68 (1 m)	777293-01
<input type="checkbox"/> DAQPad™-6020E	12-bit, 100 kHz	777704-01	SH68-68-EP (1 m)	184749-01
<input type="checkbox"/> PCI-MIO-16E-4	12-bit, 250 kHz	777383-01	SH68-68-EP (1 m)	184749-01
<input type="checkbox"/> PCI-6024E	12-bit, 200 kHz	777743-01	SH68-68-EP (1 m)	184749-01
<input type="checkbox"/> PCI-6052E	16-bit, 333 kHz	777745-01	SH68-68-EP (1 m)	184749-01
<input type="checkbox"/> PCI-6034E	16-bit, 200 kHz	778075-01	SH68-68-EP (1 m)	184749-01
<input type="checkbox"/> Other				

**Select one SCC system carrier:**

		
<b>SC-2345 Connector Block</b> Offers a hinged lid for easy module access	<b>SC-2345 with Configurable Connectors (side 68-pin connector)</b> Offers custom connectivity via panelettes and a side 68-pin connector specifically for PCMCIA DAQCards	<b>SC-2345 with Configurable Connectors (rear 68-pin connector)</b> Offers custom connectivity via panelettes and a rear 68-pin connector specifically for DAQCards
<b>Part Numbers:</b> <input type="checkbox"/> SCC-PWR01 777458-01 (5 VDC) <input type="checkbox"/> SCC-PWR02 777458-02 (120 V/240 V) <input type="checkbox"/> SCC-PWR03 777458-03 (7 to 42 VDC)	<b>Part Numbers:</b> <input type="checkbox"/> SCC-PWR01 777722-01 (5 VDC) <input type="checkbox"/> SCC-PWR02 777722-02 (120 V/240 V) <input type="checkbox"/> SCC-PWR03 777722-03 (7 to 42 VDC)	<b>Part Numbers:</b> <input type="checkbox"/> SCC-PWR01 778018-01 (5 VDC) <input type="checkbox"/> SCC-PWR02 778018-02 (120 V/240 V) <input type="checkbox"/> SCC-PWR03 778018-03 (7 to 42 VDC)

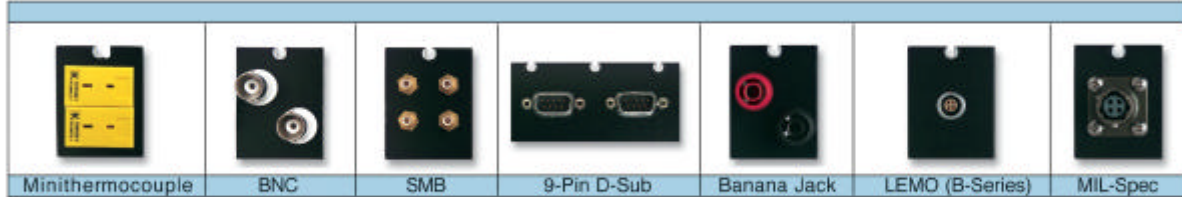
**Notes about power:**

- We ship all SCC carriers with the default power option as selected above.
- You can power all SCC power options via external power supplies.
- If you have chosen power option “-01,” it is possible to power your SCC system from your DAQ device. Add up the power required by your SCC modules. PCMCIA DAQCards and DAQCards offer 700 mW of power, while all other DAQ devices offer 1.5 W of power.
- If you have chosen power option “-02,” you receive a power transformer with your system. However, you must purchase a separate power cord:

<input type="checkbox"/> US 120 VAC	763000-01	<input type="checkbox"/> Swiss 220 VAC	763065-01	<input type="checkbox"/> North American 240 VAC	763068-01
<input type="checkbox"/> Japan 100 VAC	763000-01	<input type="checkbox"/> Australian 240 VAC	763066-01		
<input type="checkbox"/> United Kingdom 240 VAC	763064-01	<input type="checkbox"/> Universal Euro 240 VAC	763067-01		

**If you have chosen SC-2345 with configurable connectors, select your panelettes:**

- *By default, we ship your SC-2345 with blank filler panels in the rear slots and open front slots.*
- If you have chosen version 777722-0x, select up to 18 slots of panelettes (9 front, 9 rear).
- If you have chosen version 778108-0x, select up to 15 slots of panelettes (9 front, 6 rear).
- Note: *Some panelettes offer more than one connector, and others occupy more than one slot.*



QTY	Description	Connector	Slot	Part Number	QTY	Description	Connector	Slot	Part Number
___	J-type minithermocouple	2	1	184736-01	___	SMB	4	1	185505-01
___	K-type minithermocouple	2	1	184736-02	___	Banana Jack	2	1	186405-01
___	U-type minithermocouple	2	1	184736-03	___	9-pin D-sub (male)	1	2	184738-01
___	J-type thermocouple	1	1	187597-01	___	9-pin D-sub (male)	2	3	184738-02
___	K-type thermocouple	1	1	187597-02	___	9-pin D-sub (female)	1	2	184738-03
___	U-type thermocouple	1	1	187597-03	___	9-pin D-sub (female)	2	3	184738-04
___	2-pin LEMO-compatible	1	1	187585-01	___	Momentary switch	2	1	185380-01
___	4-pin LEMO-compatible	1	1	187585-02	___	Rocker switch	1	1	185379-01
___	6-pin LEMO-compatible	1	1	187585-03	___	Toggle switch	2	1	185378-01
___	2-pin MIL-C-26482	1	1	187591-01	___	Potentiometer	1	1	185377-01
___	4-pin MIL-C-26482	1	1	187591-02	___	LED	4	1	185376-01
___	6-pin MIL-C-26482	1	1	187591-03	___	Strain relief	N/A	2	184721-01
___	BNC	2	1	184737-01	___	Blank	N/A	1	184483-01

**Select your Accessories (Choose from these accessories to complete your SCC system):**

- Rack-mount kit      Rack-mount kit for 19-inch cabinet      777665-01
- Stacking kit      Stacking kit for DAQPads/CA-1000 accessories      777666-01
- Panel-mount kit      Panel-mount kit      187243-01