

Multifunction DAQ Cable and Accessory Selection Guides

NI Cable Design Advantages

The SH68-68-EP cable is the most commonly used E Series and S Series cable. The cable is designed to work specifically with the NI Multifunction DAQ devices to preserve signal integrity through these technologies:

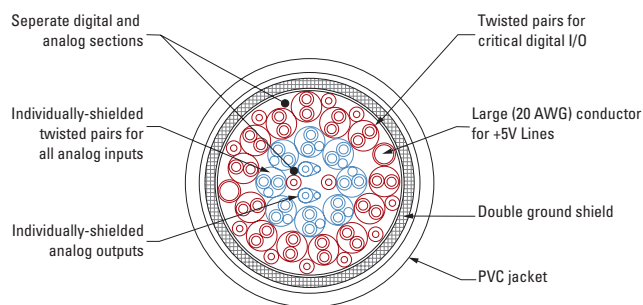


Figure 1. SH68-68-EP Cable

A variety of cabling and accessory options are available for your needs. Use the following tables to choose the most appropriate cables and accessories. To determine which Multifunction DAQ device best fits your needs, please see page 192.

ACH0-	34	68	ACH0+
ACH1+	33	67	ACH0GND
ACH1GND	32	66	ACH1-
ACH2+*	31	65	ACH2+*
ACH3+*	30	64	ACH2GND*
ACH3GND+*	29	63	ACH3-*
NC	28	62	NC
NC	27	61	NC
NC	26	60	NC
NC	25	59	NC
NC	24	58	NC
NC	23	57	NC
DAC0OUT	22	56	NC
DAC1OUT	21	55	A0GND
NC	20	54	A0GND
DIO4	19	53	DGND
DGND	18	52	DIO0
DIO1	17	51	DIO5
DIO6	16	50	DGND
DGND	15	49	DIO2
5 V Output	14	48	DIO7
DGND	13	47	DIO3
DGND	12	46	SCANCLK**
PFI0/TRIG1	11	45	EXTSTROBE**
PFI1/TRIG2	10	44	DGND
DGND	9	43	PF12/CONVERT*
5 V Output	8	42	PF13/GPCTR1_SOURCE
DGND	7	41	PF14/GPCTR1_GATE
PF15/UPDATE*	6	40	GPCTR1_OUT
PF16/WFTRIG	5	39	DGND
DGND	4	38	PF17/STARTSCAN
PF19/GPCTR0_GATE	3	37	PF18/GPCTR0_SOURCE
GPCTR0_OUT	2	36	DGND
FREQ_OUT	1	35	DGND

ACH8	34	68	ACH0
ACH1	33	67	AIGND
AIGND	32	66	ACH9
ACH10	31	65	ACH2
ACH3	30	64	AIGND
AIGND	29	63	ACH11
ACH4	28	62	AISENSE
AIGND	27	61	ACH12
ACH13	26	60	ACH5
ACH6	25	59	AIGND
AIGND	24	58	ACH14
ACH15	23	57	ACH7
DAC0OUT ¹	22	56	AIGND
DAC1OUT ¹	21	55	A0GND ¹
EXTREF ¹	20	54	A0GND ¹
DIO4	19	53	DGND
DGND	18	52	DIO0
DIO1	17	51	DIO5
DIO6	16	50	DGND
DGND	15	49	DIO2
+5 V	14	48	DIO7
DGND	13	47	DIO3
DGND	12	46	SCANCLK
PFI0/TRIG1	11	45	EXTSTROBE*
PF11/TRIG2	10	44	DGND
DGND	9	43	PF12/CONVERT*
+5 V	8	42	PF13/GPCTR1_SOURCE
PF15/UPDATE*	7	41	PF14/GPCTR1_GATE
PF16/WFTRIG	6	40	GPCTR1_OUT
DGND	5	39	DGND
DGND	4	38	PF17/STARTSCAN
F19/GPCTR0_GATE	3	37	PF18/GPCTR0_SOURCE
GPCTR0_OUT	2	36	DGND
FREQ_OUT	1	35	DGND

¹Not used on NI PCI-6032E, NI PCI-6023, NI PCI-6034E, NI PCI-6013

Figure 3. I/O Connector for 16-channel E

Series Devices, except NI 6025E

*No connect for NI PCI-6111E
**Reserved on the NI PCI-6110, NI PCI-6111

Figure 2. S Series Devices Connector

Platform	Shielding	Connect to ...	Cable	Adapter	Accessory
PCI/PXI/USB/FireWire	Shielded	SCC portable signal conditioning per channel	SH68-68-EP	—	SC-2345 and modules, p. 320
		SCXI high-performance signal conditioning	SCXI-1349	—	SCXI Chassis and Modules, p. 246
		Screw terminals ¹	SH68-68-EP or SH68-68R1-EP	—	SCB-68
		BNC terminal block	SH68-68-EP	—	BNC-2110, BNC-2120, BNC-2090
		50-pin connector	SH6850	—	CB50, custom or 3rd party
		Configurable connectivity box	SH68-68-EP	—	CA-1000
	Unshielded	Screw terminals ¹	R6868	—	TBX-68, CB-68LP, CB-68LPP, DAQ Signal Accessory
	50-pin connector	R6850	—	CB50, custom or 3rd party	
PXI only	Shielded	Front-mounted screw terminals	N/A	—	TB-2705
PCMCIA	Shielded	Screw terminals ¹	SHC68-68-EP or SHC68U-68-EP ²	—	SCB-68, CA-1000
		50-pin connector	SHC68-68-EP or SHC68U-68-EP ²	68M-50F MIO	CB50, custom or 3rd party
	Unshielded	Screw terminals ¹	RC68-68	—	TBX-68, CB-68LP, CB-68LPP, DAQ Signal Accessory
		50-pin connector	RC68-68	68M-50F MIO	CB50, custom or 3rd party

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¹ Unshielded Cables can connect to Shielded Accessories and vice-versa.

² In adjacent PCMCIA slots, both cables types are required because the same cable would cause mechanical hindrance.

Table 1. Cable Connection Specifications for 16-Channel E Series Devices (except NI 6025E)

Multifunction DAQ Cable and Accessory Selection Guides

AIGND	1	51	ACH16
AIGND	2	52	ACH24
ACH0	3	53	ACH17
ACH8	4	54	ACH25
ACH1	5	55	ACH18
ACH9	6	56	ACH26
ACH2	7	57	ACH19
ACH10	8	58	ACH27
ACH3	9	59	ACH20
ACH11	10	60	ACH28
ACH4	11	61	ACH21
ACH12	12	62	ACH29
ACH5	13	63	ACH22
ACH13	14	64	ACH30
ACH6	15	65	ACH23
ACH14	16	66	ACH31
ACH7	17	67	ACH32
ACH15	18	68	ACH40
AISENSE	19	69	ACH33
DAC00UT ¹	20	70	ACH41
DAC10UT ¹	21	71	ACH34
EXTREF ¹	22	72	ACH42
A0GND ¹	23	73	ACH35
DGND	24	74	ACH43
DIO0	25	75	AISENSE2
DIO4	26	76	AIGND
DIO1	27	77	ACH36
DIO5	28	78	ACH44
DIO2	29	79	ACH37
DIO6	30	80	ACH45
DIO3	31	81	ACH38
DIO7	32	82	ACH46
DGND	33	83	ACH39
+5 V	34	84	ACH47
+5 V	35	85	ACH48
SCANCLK	36	86	ACH56
EXTSTROBE*	37	87	ACH49
PFI0/TRIG1	38	88	ACH57
PFI1/TRIG2	39	89	ACH50
PFI2/CONVERT*	40	90	ACH58
PFI3/GPCTR1_SOURCE	41	91	ACH51
PFI4/GPCTR1_GATE	42	92	ACH59
GPCTR1_OUT	43	93	ACH52
PFI5/UPDATE*	44	94	ACH80
PFI6/WFTRIG	45	95	ACH53
PFI7/STARTSCAN	46	96	ACH61
PFI8/GPCTR0_SOURCE	47	97	ACH54
PFI9/GPCTR0_GATE	48	98	ACH62
GPCTR0_OUT	49	99	ACH55
FREQ_OUT	50	100	ACH63

¹Not available on NI PCI-6033E

Figure 4. I/O Connector for 64-channel NI devices

AIGND	1	51	PC7
AIGND	2	52	GND
ACH0	3	53	PC6
ACH8	4	54	GND
ACH1	5	55	PC5
ACH9	6	56	GND
ACH2	7	57	PC4
ACH10	8	58	GND
ACH3	9	59	PC3
ACH11	10	60	GND
ACH4	11	61	PC2
ACH12	12	62	GND
ACH5	13	63	PC1
ACH13	14	64	GND
ACH6	15	65	PC0
ACH14	16	66	GND
ACH7	17	67	PB7
ACH15	18	68	GND
AISENSE	19	69	PB6
DAC00UT	20	70	GND
DAC10UT	21	71	PB5
RESERVED	22	72	GND
A0GND	23	73	PB4
DGND	24	74	GND
DIO0	25	75	PB3
DIO4	26	76	GND
DIO1	27	77	PB2
DIO5	28	78	GND
DIO2	29	79	PB1
DIO6	30	80	GND
DIO3	31	81	PB0
DIO7	32	82	GND
DGND	33	83	PA7
+5 V	34	84	GND
+5 V	35	85	PA6
SCANCLK	36	86	GND
EXTSTROBE*	37	87	PA5
PFI0/TRIG1	38	88	GND
PFI1/TRIG2	39	89	PA4
PFI2/CONVERT*	40	90	GND
PFI3/GPCTR1_SOURCE	41	91	PA3
PFI4/GPCTR1_GATE	42	92	GND
GPCTR1_OUT	43	93	PA2
PFI5/UPDATE*	44	94	GND
PFI6/WFTRIG	45	95	PA1
PFI7/STARTSCAN	46	96	GND
GPCTR0_SOURCE	47	97	PA0
GPCTR0_GATE	48	98	GND
GPCTR0_OUT	49	99	+5 V
FREQ_OUT	50	100	GND

Figure 5. I/O Connector for the NI 6025E device

E Series Devices (NI 6031E, NI 6033E, NI 6071E, NI 6025E)

Platform	Shielding	Connect to ...	Cable	Cable Leg	Adapter	Accessory	
PCI, PXI	Shielded	Screw Terminals	SH100100	—	—	SCB-100	
		Screw Terminals	SH1006868	MIO:	—	SCB-68	
				Extended:	—	SCB-68	
		Screw Terminals ¹	SH1006868	MIO:	—	TBX-68, CB-68LP, CB-68LPR, DAQ Signal Accessory	
				Extended:	—	TBX-68, CB-68LP, CB-68LPR	
		BNC Terminal Block	SH1006868	MIO:	—	BNC-2110, BNC-2120, BNC-2090	
			Extended:	—	BNC-2115		
	Unshielded	50-pin Connectors		SH1006868	MIO:	68M-50F MIO	custom or 3rd party
					Extended:	68M-50F Extended	custom or 3rd party
		50-pin Connector		R1005050	MIO:	—	custom or 3rd party
				Extended:	—	custom or 3rd party	

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¹Shielded cable with unshielded accessories

Table 1. Cable Connection Specifications for 64-Channel E Series Devices and the NI 6025E

Multifunction DAQ Accessories

SCXI High-Performance Modular Signal Conditioning (see Figure 1)

SCXI is a high-performance modular signal conditioning platform that you use as a front end to your E Series DAQ device. With the SCXI multiplexing architecture, you can expand your analog inputs to 3,072 channels. Additionally, SCXI offers a variety of modules for connecting to thermocouples, RTDs, strain gauge transducers, LVDT position sensors, ICP-compatible accelerometers/microphones, thermistors, millivolt inputs, voltage inputs up to 1000 V, current inputs (0-20mA), frequency inputs or dynamic signals.

See page 246 for details on SCXI Signal Conditioning.

SCC Portable Modular Signal Conditioning for Low-Channel-Count Applications (see Figure 2)

The SCC Series portable modular signal conditioning system consists of SCC modules that plug into a low-profile SC-2345 shielded carrier. SCC modules give you single or dual-channel signal conditioning for up to 16 analog input channels and eight digital I/O lines of your E Series or basic multifunction DAQ device. The SCC Series offers signal conditioning for a variety of inputs, including thermocouples, RTDs, strain gauges, ICP-compatible accelerometers, accelerators, analog inputs requiring isolation, high voltage (up to 100 V), current (0-20mA), and optically isolated digital I/O. Lowpass filtering and breadboard modules are also available.

See page 320 for details on SCC Signal Conditioning.

Connector Blocks

BNC-2100 Series Connector Blocks (see Figure 3)

The BNC-2100 Series are shielded connector blocks with signal-labeled BNC connectors for easy connectivity of your analog input, analog output, digital I/O and counter/timer signals to your multifunction DAQ device, including analog input devices. The BNC-2110 and BNC-2120 work with all E Series devices. The BNC-2120 also provides a function generator, quadrature encoder, temperature reference, thermocouple connector, and LED so that you can test the functionality of your hardware. The BNC-2115 has 24 BNC inputs for connecting to the extended I/O channels of our 100-pin E Series DAQ devices.

BNC-2110.....777643-01

Dimensions – 20.3 by 11.2 by 5.5 cm (8.0 by 4.4 by 2.2 in.)

BNC-2115.....777807-01

Dimensions – 20.3 by 11.2 by 5.5 cm (8.0 by 4.4 by 2.2 in.)

BNC-2120.....777960-01

Dimensions – 26.7 by 11.2 by 6.0 cm (10.5 by 4.4 by 2.4 in.)

SC-2075 Breadboard Connector Block (see Figure 4)

The SC-2075 provides breadboard area for prototyping and BNC and spring terminal connectivity for 68-pin E Series DAQ devices. The built-in ± 15 V or adjustable 0 to 5 V power supply and LEDs for digital lines make the SC-2075 a cost-effective device, ideal for academic laboratories.

SC-2075778147-90

Dimensions – 26.72 by 20.70 by 4.37 cm (10.52 by 8.15 by 1.72 in.)



Figure 1. SCXI High-Performance Signal Conditioning



Figure 2. SCC Portable, Modular Signal Conditioning



Figure 3. BNC-2100 Series Connector Blocks – BNC-2120, BNC-2110, BNC-2115



Figure 4. SC-2075 Breadboard Connector Block

Multifunction DAQ Accessories



Figure 5. BNC-2090 Shielded BNC Adapter Chassis



Figure 6. CA-1000 Configurable Signal Conditioning Enclosure



Figure 7. TB-2705 Terminal Block



Figure 8. SCB-68 and SCB-100 Shielded I/O Connector Blocks

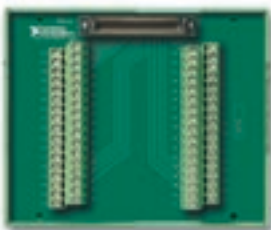


Figure 9. TBX-68 I/O Connector Block

BNC-2090 Shielded BNC Adapter Chassis (see Figure 5)

The BNC-2090 is a shielded, rack-mountable adapter with signal-labeled BNC connectors, spring terminal blocks, and component locations for passive signal conditioning. Consists of 22 BNC connectors and 28 spring terminals to simplify connection to your analog, digital, trigger and counter/timer signals. The BNC-2090 has silk-screened component locations that you use to develop simple signal conditioning circuits. For added flexibility, you can connect any E Series DAQ device to the BNC-2090 from the front or rear through dual 68-pin connectors.

BNC-2090777270-01
 Dimensions – 48.3 by 4.4 by 18.8 cm (19.0 by 1.7 by 7.4 in.)

CA-1000 Configurable Signal Conditioning Enclosure (see Figure 6)

The CA-1000 is a configurable enclosure that gives you maximum user-defined connectivity and flexibility through customized panelettes. Each enclosure can accommodate up to nine panelettes.

Dimensions – 30.7 by 25.4 by 4.3 cm (21.1 by 10 by 1.7 in.)

See page 352 for more information about the CA-1000.

TB-2705 Terminal Block for 68-pin PXI E Series Devices (see Figure 7)

The TB-2705 is a screw terminal block for PXI that works with your PXI E Series DAQ module. It latches to the front of your PXI module with locking screws and provides strain relief and easy access to your analog, digital, trigger and counter/timer signals through screw terminals.

TB-2705778241-01
 Dimensions – 8.43 by 10.41 by 2.03 cm (3.32 by 4.1 by 0.8 in.)

SCB-68 and SCB-100 Shielded I/O Connector Blocks (see Figure 8)

The SCB-68 and SCB-100 are shielded I/O connector blocks for rugged, very low-noise signal termination for connecting to 68-pin or 100-pin E Series DAQ devices, respectively. Silk-screened component locations for easy addition of simple signal-conditioning circuitry for your analog input channels. They also include general-purpose breadboard areas (two on the SCB-68; three on the SCB-100) as well as an IC temperature sensor for cold-junction compensation in temperature measurements.

SCB-68776844-01
 Dimensions – 19.5 by 15.2 by 4.5 cm (7.7 by 6.0 by 1.8 in.)

SCB-100776990-01
 Dimensions – 19.5 by 15.2 by 4.5 cm (7.7 by 6.0 by 1.8 in.)

TBX-68 I/O Connector Block with DIN-Rail Mounting (see Figure 9)

The TBX-68 is a termination accessory with 68 screw terminals for easy connection of field I/O signals to 68-pin DAQ devices. It includes one 68-pin male connector for direct connection to 68-pin cables. The TBX-68 is mounted in a protective plastic base with hardware for mounting on a standard DIN rail.

TBX-68777141-01
 Dimensions – 12.50 by 10.74 cm (4.92 by 4.23 in.)

Multifunction DAQ Accessories

CB-68LP and CB-68LPR I/O Connector Blocks (see Figure 10)

The CB-68LP and CB-68LPR are low-cost termination accessories with 68 screw terminals for easy connection of field I/O signals to 68-pin E Series DAQ devices. They include one 68-pin male connector for direct connection to 68-pin cables. The connector blocks include standoffs for use on a desktop or for mounting in a custom panel. The CB-68LP has a vertical-mounted 68-pin connector. The CB-68LPR has a right-angle mounted connector, and it is used with the CA-1000 (see page 352).

CB-68LP	777145-01
Dimensions – 14.35 by 10.74 cm (5.65 by 4.23 in.)	
CB-68LPR	777145-02
Dimensions – 7.62 by 16.19 cm (3.00 by 6.36 in.)	

DAQ Signal Accessory (see Figure 11)

The DAQ Signal Accessory demonstrates and tests the use of analog, digital, and counter/timer functions of DAQ devices. You can connect the DAQ Signal Accessory directly to your DAQ device. It features a built-in function generator, quadrature encoder, solid-state relay, IC temperature sensor, noise generator, microphone jack, thermocouple jack, four LEDs, and a digital trigger button. The DAQ Signal Accessory works with all E Series DAQ devices.

DAQ Signal Accessory.....	777382-01
Dimensions – 12.7 by 12.7 cm (5.0 by 5.0 in.)	

RTSI Bus Cables (see Figure 12)

Use RTSI bus cables to connect timing and synchronization signals among Measurement, Vision, Motion, and CAN boards for PCI, and FireWire DAQPad devices. For systems using long and short boards, order the extended RTSI cable.

2 boards	776249-02
3 boards	776249-03
4 boards	776249-04
5 boards	776249-05
Extended, 5 boards	777562-05
3 FireWire DAQ Pads	186464-01

Shielded I/O Cables

SH68-68-EP Shielded Cable (see Figure 13)

The SH68-68-EP is a shielded 68-conductor cable terminated with two 68-pin female 0.050 series D-type connectors. It features individually-shielded analog twisted pairs for reduced crosstalk with high-speed devices. This cable connects to all 68-pin E Series devices (except DAQCards). If you need a right-angle connector, the SH68-68R1-EP shielded cable is electrically equivalent.

1 m.....	184749-01
2 m.....	184749-02
Please call for other length options.	

SH68-68R1-EP Shielded Cable (see Figure 14)

The SH68-68R1-EP is a shielded 68-conductor cable. One end terminates with a 68-pin female 0.050 series D-type connector and the other end terminates with a right-angle 68-pin female 0.050 series D-type connector.

1 m.....	187051-01
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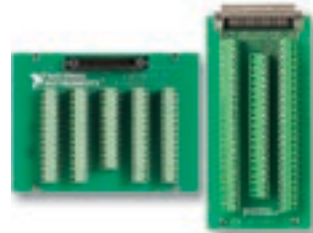


Figure 10. CB-68LP and CB-68LPR I/O Connector Blocks



Figure 11. DAQ Signal Accessory



Figure 12. RTSI Bus Cable



Figure 13. SH68-68-EP Shielded Cable



Figure 14. SH68-68R1-EP Shielded Cable

Multifunction DAQ Accessories



Figure 15. SH100100 Shielded Cable



Figure 16. 68M-50F Cable Adapters



Figure 17. SH1006868 Shielded Cable



Figure 18. SHC68-68-EP and SHC68U-68-EP Shielded Cables



Figure 19. SH6850 Shielded Cable

SH100100 Shielded Cable (see Figure 15)

The SH100100 is a shielded 100-conductor cable terminated with 100-pin male 0.050 series D-type connectors. This cable connects the 100-pin E Series devices to 100-pin accessories.

1 m.....	182853-01
2 m.....	182853-02

68M-50F S Series Cable Adapters (see Figure 16)

The 68M-50F cable adapter connects a 68-pin NI cable to a standard 0.1 by 0.1 in. 50-pin connector on third-party or custom accessories. The 68M-50F MIO should be used with the SH68-68-EP, SHC68-68-EP, SHC68U-68-EP, or the MIO leg of the SH1006868. The 68M-50F Extended I/O cable adapter should be used for the extended I/O leg of the SH1006868.

68M-50F MIO	184670-01
68M-50F Extended I/O	184670-02

SH1006868 Shielded Cable (see Figure 17)

The SH1006868 is a shielded cable that connects to 100-pin E Series devices and terminates with two female 68-pin 0.050 series D-type connectors. See Table 2 on page 256 for accessories compatible with each 68-pin connector.

1 m.....	182849-01
2 m.....	182849-02

SHC68-68-EP and SHC68U-68-EP Shielded Cables for DAQCards (see Figure 18)

These cables connect DAQCards to standard 68-pin accessories. Latching screws secure the shielded connector to the PCMCIA DAQCard. The SHC68-68-EP is a shielded 68-conductor cable terminated with a VHDCI 68-pin male connector at one end and a 68-pin female 0.050 series D-type connector at the other. The SHC68U-68-EP is identical to the SHC68-68-EP except it uses an inverted VHDCI 68-pin male connector. Use the SHC68-68-EP cable with a DAQCard inserted in the lower PCMCIA slot in your laptop or when using only one DAQCard. Use the SH68U-68-EP for a DAQCard located in the upper PCMCIA slot in your laptop. When using two E Series DAQCard PCMCIA devices in adjacent slots, use one SHC68-68-EP and one SHC68U-68-EP.

SHC68-68-EP	
0.5 m	186838-0R5
1 m	186838-01
SHC68U-68-EP	
0.5 m	187406-0R5
1 m	187406-01

SH6850 Shielded Cable (see Figure 19)

The SH6850 connects a standard 68-pin E Series or S Series product to a 3rd party or custom standard 50-pin accessory. The cable provides a screw-latching 68-pin female connector on one side and a standard 50-pin female connector on the other side.

1 m	776784-01
2 m	776784-02

Multifunction DAQ Accessories

Ribbon I/O Cables

R6868 Ribbon Cable for E Series Devices (see Figure 20)

The R6868 is a 68-conductor flat ribbon cable terminated with two 68-pin connectors. Use this cable to connect a 68-pin E Series device to 68-pin accessories.

1 m182482-01

RC68-68 Ribbon Cable for DAQCards (see Figure 21)

The RC68-68 ribbon cable connects DAQCards directly to 68-pin accessories. Two RC68-68 cables can be used together in adjacent PCMCIA slots.

0.25 m187252-0R25

1 m187252-01

R1005050 Ribbon Cable (see Figure 22)

This cable connects 100-pin E Series devices, including the NI 6071E, NI 6033E, NI 6031E, and NI 6025E to standard 50-pin 3rd party or custom connectors.

1 m182762-01

2 m182762-02

R6850 Ribbon Cable Kit (see Figure 23)

This cable kit combines a 68F-50M cable adapter and a standard 50-pin cable with female connectors on both ends. The cable kit is designed to adapt an E Series, S Series, or PCI-6013/6014 product to a third-party or custom 50-pin accessory.

1 m776842-01

Custom Connectivity Components

68-Pin Custom Cable Connector/Backshell Kit (see Figure 24)

The 68-pin female mating connector and backshell kit is used to make custom cables. Solder-cup contacts are available for soldering cable wires to the connector.

68-pin connector/backshell kit776832-01



Figure 20. R6868 Ribbon Cable



Figure 21. RC68-68 Ribbon Cable



Figure 22. R1005050 Ribbon Cable



Figure 23. R6850 Ribbon Cable Kit

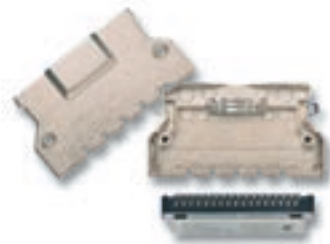


Figure 24. 68-Pin Custom Cable Connector/Backshell Kit

Multifunction DAQ Accessories



Figure 25. PCB Mounting Connectors for Custom Accessories



Figure 26. PCMCIA Strain-Relief Accessory

PCB Mounting Connectors for Custom Accessories (see Figure 25)

PCB mounting connectors are used to build custom accessories that connect to 68-conductor or 100-conductor shielded and ribbon cables. Two connectors are available, one for right-angle and one for vertical mounting onto a PCB.

68-pin, male, right-angle mounting	777600-01
68-pin, male, vertical mounting	777601-01
100-pin, female, right-angle mounting	777778-01
100-pin, female, vertical mounting	777779-01

PCMCIA Strain-Relief Accessory (see Figure 26)

The PCMCIA Strain-Relief accessory attaches to the bottom of your notebook computer and provides adjustable strain relief for one or two PCMCIA cables attached to the installed PCMCIA card(s).

PCMCIA Strain-Relief Accessory	777550-01
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Figure 28. Use the interactive configuration tool in the NI online catalog to select and purchase multifunction DAQ solutions.

Use Interactive Online Catalog Configurator for Quick Product Selection

You can now easily configure NI multifunction data acquisition (DAQ) measurement systems using a new, interactive feature of our online catalog. The interactive online catalog offers a better, easier way to select and purchase measurement solutions from National Instruments. Based on user input, the interactive online catalog suggests products and then lists the appropriate cables and accessories for those products. This new automated tool helps eliminate ordering mistakes and product-compatibility errors.

To take advantage of the online catalog for multifunction DAQ devices, visit ni.com/catalog

From the Products and Services menu, select Data Acquisition, then select Multifunction I/O. The online catalog prompts you with a series of questions regarding preferences for operating system, computer bus, number of channels, and maximum sampling rate. The online catalog then recommends several appropriate DAQ devices. You can then review specifications for each device and select your preferred product. Next, the catalog suggests the preferred accessory and cable solution designed to work with the selected DAQ device. You have the option of choosing the preferred configuration or choosing from a separate list of accessories and cables that also work with the selected DAQ device. You can purchase the selected items online.