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Option 1: Build your own interface cables

This option opens infinite interfacing possibilities but requires organization to manage it. When building your own cable interface, you must determine which mating connectors will attach to your device, the wire type to connect to the contacts, and how to terminate the assembly with a connector that will attach to your tester. Choose materials that are easy to get a hold of, cost effective, and easily maintained.

Cirris Adapter System (for Cable Testers)

Often operations call for the ability to test a variety of cables that each have different connectors. The Cirris Adapter System allows you to quickly and easily change between different connector types. This provides better throughput on your production line as you can quickly change to your desired connector and start your next test.

Cirris adapters are compatible with all Cirris benchtop testers, including the Easy-Touch® Pro, 4250, 4200, and older benchtop units. At least one adapter is required to make bench-top testers functional. These adapters are designed for quick and easy interchangeability and determine the default test point labeling used by the tester.

High Voltage Adapters

High Voltage adapters are required in order to perform Hipot testing above 1000 VDC or 700 VAC. Not all adapters are available in a high voltage version. See the following pages for availability.

Grounded Adapters

Grounded adapters include a test point connected to the metal connector shell. This makes it possible to perform continuity testing to the shell and isolation from the shell. The test point connected to the shell is treated just like any other test point for the purpose of testing.

Replaceable Adapters

Many adapters are offered with replaceable connectors. These adapters have mating connectors that are plugged into sockets on the board and held in place with screws. This system makes it easy to replace worn connectors rather than purchasing an entirely new adapter.

Custom Adapters

If you don't see the test adapters you require among Cirris's standard adapters, we can custom build an adapter to fit your specific cable interface setup. Contact your Cirris representative or send an email to info@cirris.com to request pricing on custom adapters.



Cable tester with single high adapter attached

Adapter Sizes

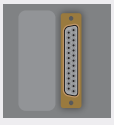
Each Cirris benchtop tester and add-on scanner has 128 test points divided into four right-angle receptacle connectors. Each connector provides a maximum of 32 test points. Cirris manufactures adapters in three different sizes that plug into these receptacles.

Single-high adapters have one set of right-angle pins and plug into one receptacle on a tester or add-on scanner.

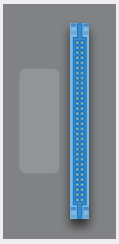
Double-high adapters have two sets of right-angle pins and plug into two vertically adjacent receptacles on a tester or add-on scanner.

Quad-high adapters have four sets of right-angle pins and plug into all four of the receptacles on a tester or add-on scanner. Quad-high adapters are not compatible with the 1000M, 2000, 5000A, or the original 1000H testers.

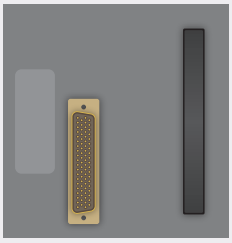
Single-high



Double-high



Quad-high





Dual Row Eject Latch Header Male Adapter
0.1" x 0.1" (2.54mm x 2.54mm) Dual Row Eject Latch Header Male Connector

Positions.	High Voltage	Replaceable
10	HHED-10	RHED-10
14	HHED-14	
16	HHED-16	
20	HHED-20	
24	HHED-24	
26	HHED-26	
30	HHED-30	
34	HHED-34	
40	HHED-40	RHED-40
44	HHED-44	
50	HHED-50	RHED-50
60	HHED-60	
64	HHED-64	RHED-64
64	HHR2-64 (2x 34-pos; 32 pins ea)	



Dual Row Male Adapter
0.050" x 0.100" (1.27mm x 2.54mm) Dual Row Male Connector

Pins	Standard
30	AH50-30
40	AH50-40
50	AH50-50
60	AH50-60
80	AH50-80



Dual Row Header Female Adapter
0.1" x 0.1" (2.54mm x 2.54mm) Dual Row Header Female Connector

Pins	High Voltage
10	HHEF-10
20	HHEF-20
26	HHEF-26
40	HHEF-40



D-Sub Female Adapter
D-Sub Female Connector

Pos.	High Voltage	High Voltage Grounded	Replaceable
9	HDBP-09	HDPG-09	RDBP-09
15	HDBP-15	HDPG-15	RDBP-15
25	HDBP-25	HDPG-25	RDBP-25
37	HDBP-37	HDPG-37	
50	HDBP-50	HDPG-50	RDBP-50



D-Sub Male Adapter
D-Sub Male Connector

Pins	High Voltage	High Voltage Grounded	Replaceable	Replaceable Grounded
9	HDBS-09	HDSG-09	RDBS-09	RDSG-09
15	HDBS-15	HDSG-15	RDBS-15	RDSG-15
25	HDBS-25	HDSG-25	RDBS-25	RDSG-25
37	HDBS-37	HDSG-37	RDBS-37	RDSG-37
50	HDBS-50	HDSG-50	RDBS-50	RDSG-50



Ribbon Female Adapter
0.085″ (2.16mm) Ribbon Female Connector

Pos.	High Voltage	High Voltage Grounded	Replaceable
50	HBRM-50	HRMG-50	
64	HBRM-64		RBRM-64



Ribbon Male Adapter
0.085″ (2.16mm) Ribbon Male Connector

Pins	High Voltage	High Voltage Grounded
50	HBRF-50	HRFG-50
64	HBRF-64	



SCSI Female Adapter
0.050″ (1.27mm) SCSI Female Connector

Positions	Standard
20	AD5P-20
26	AD5P-26
40	AD5P-40
50	AD5P-50
68	AD5P-68



SCSI Male Adapter
0.050″ (1.27mm) SCSI Male Connector

Pins	Standard
68	AD5S-68



High-Density D-Sub Female Adapter
High-Density D-Sub Female Connector

Pos.	Standard	High Voltage	High Voltage Grounded	Replaceable	Replaceable Grounded
15		HMDP-15	HMPG-15		RMPG-15
26		HMDP-26	HMPG-26		
44		HMDP-44	HMPG-44		
62		HMDP-62	HMPG-62	RMDP-62	
78	AMDP-78				



High-Density D-Sub Male Adapter
High-Density D-Sub Male Connector

Pins	Standard	High Voltage	High Voltage Grounded	Replaceable	Replaceable Grounded
15		HMDS-15	HMSG-15		RMSG-15
26		HMDS-26	HMSG-26		RMSG-26
44		HMDS-44	HMSG-44		
62		HMDS-62	HMSG-62	RMDS-62	
78	AMDS-78				



Modular Phone Female Adapter
Modular Phone / RJ45 Female Connector

Pos.	Standard	Grounded	Replaceable
6	AMJ6-06		
8	AMJ8-08	AMJG-08	RCMJ-08
4, 6, 8	AMJK-SP		



Square Post Single Row Shrouded Male Adapter
0.045" (1.143mm) Square Post on Single Row Shrouded Male Connector

Pins	High Voltage
1-24	HSIL-SD
1-12	HSIL-SS



D-Shell Female Adapter
0.8mm D-Shell Female Connector

Positions	Standard
68	A8MM



Eurocard Male Adapter
Eurocard (DIN/VME) Male Connector

Pins	High Voltage
64	HVM2-64



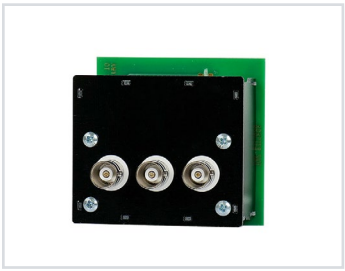
Milli-Grid Male Adapter
2.0mm Milli-Grid Male Connector

Pins	Standard (shrouded)	Standard (unshrouded)
40	A2MM-40	
44	A2MM-44	
50	A2MM-50	
60		AH2M-60
64		AH2M-SD
100		AH2M-QH



USB Adapter
USB-A, USB-B, & Mini USB Connectors

Type	Standard
Type A	AUSB-4A
Type B	AUSB-4B
Mini	AUSB-MB



Coaxial Female Adapter
Coaxial BNC Female Connector

Positions	High Voltage
2 (3 per adapter)	HBNC-02



Terminal Strip for Discrete Wire Adapter
Terminal Strip for Discrete Wire – 20-Position Connector

Spring Terminal	Standard
(16-24 AWG)	ADIS-2L
(12-28 AWG)	ADIS-2S



VME 2000V Female Adapter
0.2” (5.08mm) VME 2000V Female Connector

Positions	High Voltage
64	H2KM-64



Square Post Single Row Unshrouded Male Adapter
0.025” Square Post on Single Row Unshrouded Male Connector

Pins	High Voltage
1-30	HHDS-SD
1-14	HHDS-SS



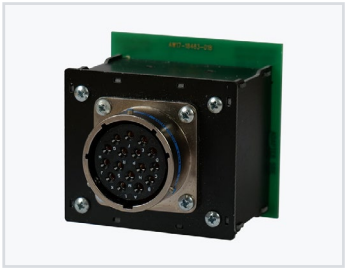
Square Post Single Row Unshrouded Male Adapter
0.025” Square Post on Single Row Unshrouded Male Connector

Pins	High Voltage
26	HHED-SS
64	HHED-SD

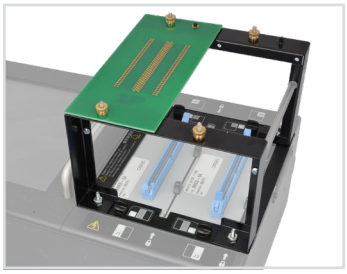
Non-standard Adapters



Clamp Adapters
Clamp adapters provide an easy way to mount your mating connectors onto standard plug-in adapter cards even if they don’t have mounting flanges or mounting tabs. The connector’s contacts are individually wired to the pc board and the connector is clamped into position. When the connector becomes worn, just desolder it and install a new one.



Mil-Spec Box Adapters
A Box Adapter is built on a standard adapter PCB. A special mounting plate holds your connector which is wired directly to the PCB below. The mounting plate is secured to the top of the box.



Frame Mount Stand & Boards
Frame Mount Stands utilize customizeable adapters for mounting connectors and cable interface that can’t be accommodated with standard adapters.

Interface Accessories From Cirris

Cirris manufactures ready-made cable interface parts to interface your DUT with Cirris testers. Some of the parts Cirris produces include mating adapters, cables, transition boards, and other cable interface pieces.

Specialty Adapters & Converters



6’ 32-conductor mating cable for CH2
AC61-KF

6’ 32-conductor mating cable with connectors on both ends
AC62-KF



Cable Saver for AC61-KF
ACCH-SV

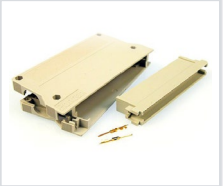


Mating connector for CH+/CH2, solder with hood
ACCH-CH

Mating connector for CH+/CH2, solder without hood
ACCH-CO

Dust Cover for ACCH Connectors
ACCL-05

CH hood clips / mass connect (kit of 5)
ACCL-05



Mating connector for CH+/CH2, crimp with hood
ACCH-DH

Mating connector for CH+/CH2, crimp without hood
ACCH-DO



CH2 Connector Saver
ADCS-C2

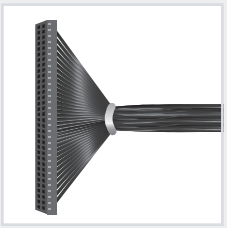


CH2 to 8100 Converter
ACH2-CR



8100 to CH2 Converter
ACR-CH2

Discrete Cable



Discrete cable with 64 female connector on one end 2’ - 8’
AD20-64, AD40-64, AD60-64, AD80-64

Discrete cable with 64 female connector on both ends 2’ - 8’
AD22-64, AD42-64, AD62-64, AD82-64

64 position crimp discrete connector for 22-26 AWG wire
AD00-64



Conductor Discrete Male cable
AC61-KF

Ribbon Cable



Ribbon cable with 64 female connector on one end 2’ - 8’
AC20-64, AC40-64, AC60-64, AC80-64

Ribbon cable with 64 female connector on both ends 2’ - 8’
AC22-64, AC42-64, AC62-64, AC82-64

64 position ribbon connector
AC00-64

Ribbon cable with 34 female connector on one end 2’ - 8’
AC20-34, AC40-34, AC60-34, AC80-34

Ribbon cable with 34 female connector on both ends 2’ - 8’
AC22-34, AC42-34, AC62-34, AC82-34

34 position ribbon connector
AC00-34

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