Connecting External SCSI Peripherals
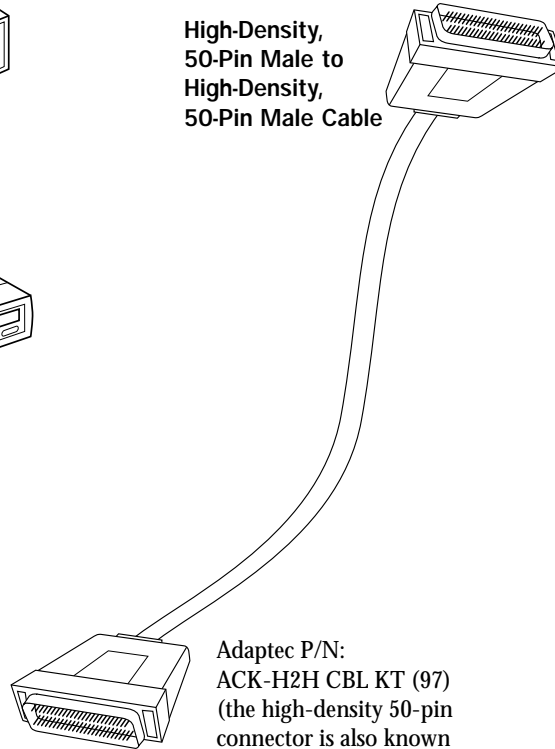
IF YOU HAVE ONE OF THESE EXTERNAL SCSI PERIPHERALS

Tape Drive

CD-Recordable

Magneto Optical

Hard Drive

DAT Drive

CD ROM

Scanner

These devices usually have a high-density, 50-pin female connector.
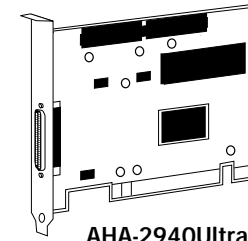(also known as a SCSI-2 connector or a Micro DB 50 connector)

USE THIS CABLE

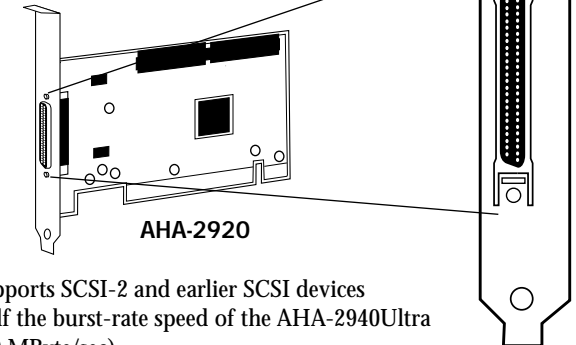**High-Density, 50-Pin Male to High-Density, 50-Pin Male Cable**

Adaptec P/N: ACK-H2H CBL KT (97) (the high-density 50-pin connector is also known as a Micro DB50 connector)
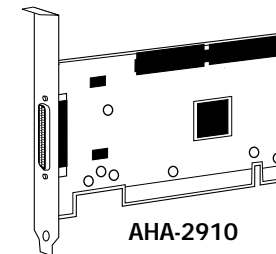
TO CONNECT TO ONE OF THESE BOARDS

AHA-2940Ultra

• Supports Ultra (20 MByte/sec)
• Appropriate for most SCSI-2 devices and earlier SCSI devices

AHA-2920

• Supports SCSI-2 and earlier SCSI devices
• Half the burst-rate speed of the AHA-2940Ultra (10 MByte/sec)

AHA-2910

• Similar to the AHA-2920
• "Non-bootable" (cannot use it to boot from operating system)

• High-Density, 50-pin, external connector
• The AHA-2940 Ultra, AHA-2920 and AHA-2910 all have this external connector

Need More Information?

You can connect any SCSI peripheral to nearly any Adaptec SCSI card. There are many cables and converters that Adaptec provides to do this. The information in this document shows a single, direct method to connect a peripheral to an Adaptec SCSI card. It is not the only way to complete the connection. If your peripheral is different from one of the drives illustrated, or if you want to connect a peripheral to an Adaptec board not shown here, contact your reseller or Adaptec. To get more information on the cables and converters Adaptec has available, please visit the cable area of our web site at: http://www.adaptec.com/cables/, or call 1-800-442-SCSI (7274) for more information.

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Connecting External SCSI Peripherals

IF YOU HAVE ONE OF THESE EXTERNAL SCSI PERIPHERALS
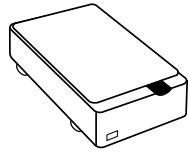
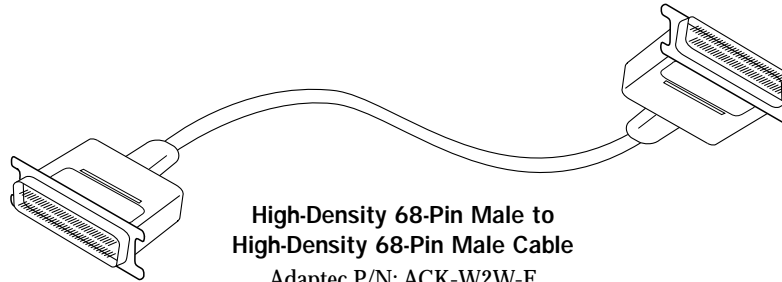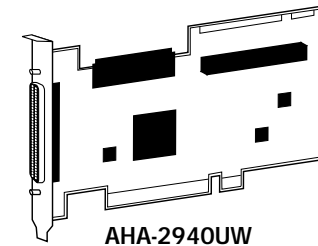**Wide Ultra SCSI Hard Drive**
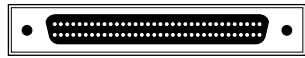
68-Pin Female Connector
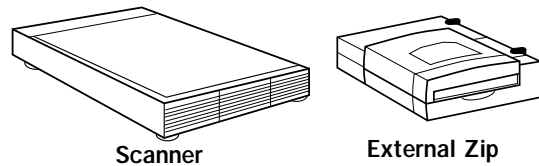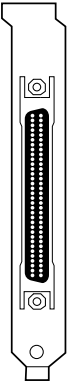
USE THIS CABLE

High-Density 68-Pin Male to High-Density 68-Pin Male Cable

Adaptec P/N: ACK-W2W-E
(the high-density 68-pin connector is also known as a Micro DB68 connector)
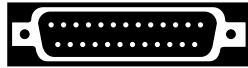
TO CONNECT TO ONE OF THESE BOARDS

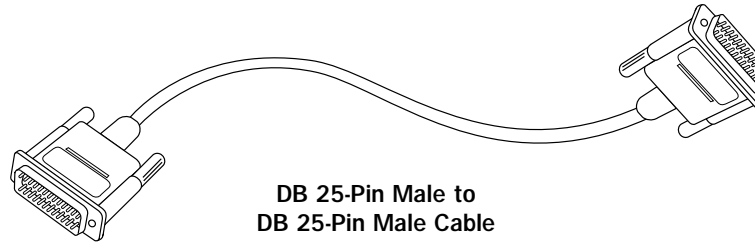**AHA-2940UW**

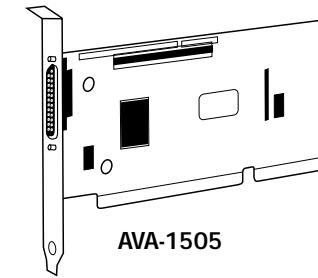High-Density, 68-Pin, Female External Connector

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Scanner   **External Zip**
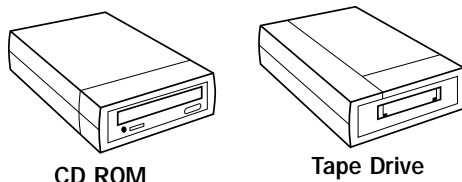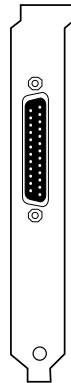
DB 25-Pin Female Connector

DB 25-Pin Male to DB 25-Pin Male Cable

Adaptec P/N: ACK-D2D CBL KT (97)
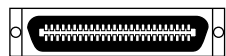(Check first if the peripheral comes with a cable.)

AVA-1505

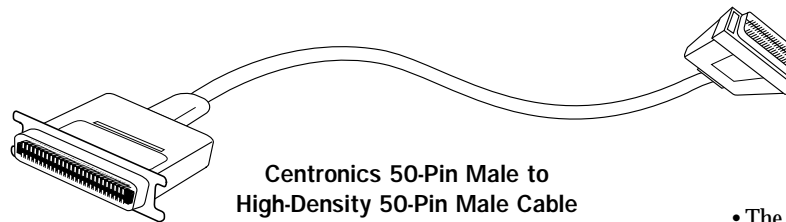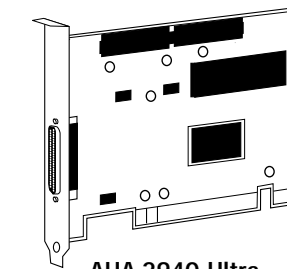"Apple Style", 25-Pin (DB 25), Female External Connector

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CD ROM   **Tape Drive**

Centronics, 50-pin Female Connector

Some older devices, usually SCSI-1, have low-density, 50-pin female Centronics connectors

Centronics 50-Pin Male to High-Density 50-Pin Male Cable

Adaptec P/N: ACK-H2L CBL (97)

AHA-2940 Ultra

- The AHA-2940 Ultra runs at 20 MByte/sec
- The AHA-2920 and AHA-2910 have the same high-density, 50-pin external connector
- The AHA-2920, at the lower speed of 10MBytes/sec burst rate, or the non-bootable AHA-2910 can also be connected

High-Density, 50-Pin, Female External Connector

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Connecting Internal SCSI Peripherals

WIDE

CONNECT THIS DEVICE

- **Wide Ultra SCSI Hard Drives**
- **Up to 15 Wide Ultra Devices**

Most Ultra Wide drives have high-density 68-pin female connectors

TO THIS CABLE

TO THE CONNECTOR ON THIS ADAPTEC SCSI CARD

High-density 68-pin female connector

AHA-2940UW
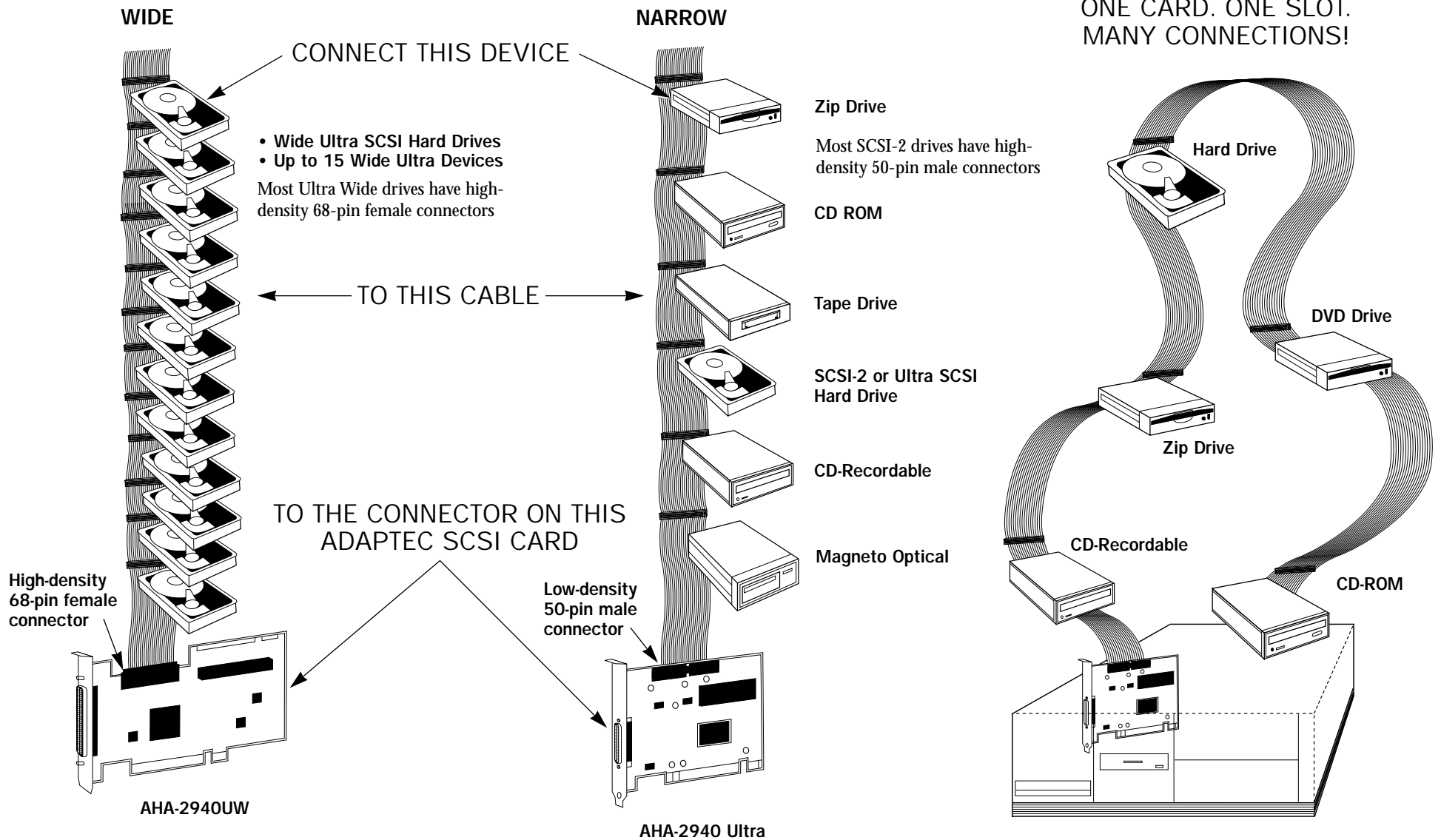
Cable: 5 position, high-density 68-pin male connector cable
Adaptec P/N: ACK-W2W-51

NARROW

Zip Drive

Most SCSI-2 drives have high-density 50-pin male connectors

CD ROM

Tape Drive

SCSI-2 or Ultra SCSI Hard Drive

CD-Recordable

Magneto Optical

Low-density 50-pin male connector

AHA-2940 Ultra

Cable: 5 position, high-density, 50-pin female connector cable
Adaptec P/N: ACK-INT5

ONE CARD. ONE SLOT. MANY CONNECTIONS!

Hard Drive

DVD Drive

Zip Drive

CD-Recordable

CD-ROM
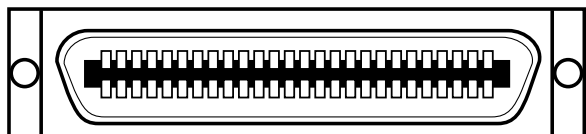
SCSI Connectors, Actual Size

These connectors are the most common SCSI connectors in use today. Use this page to identify the type of connectors on the peripheral and SCSI card. This information can be used to identify the type of SCSI cable required.
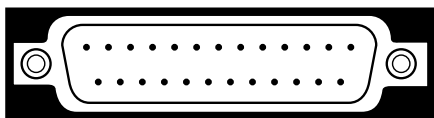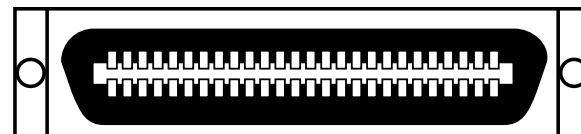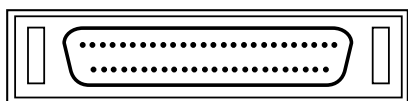
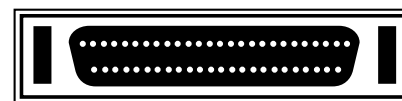**DB-25, Male External**
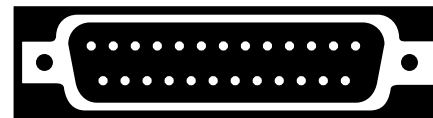
DB-25, Female External

Low-Density, 50-pin, Male External

Low-Density, 50-pin, Female External
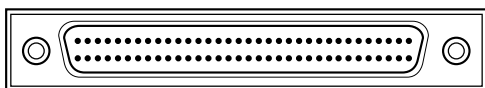
High-Density, 50-pin, Male External

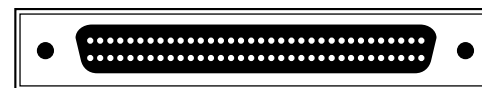**High-Density, 50-pin, Female External**
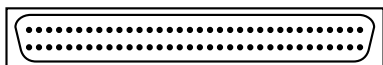
Low-Density, 50-pin, Male Internal

Low-Density, 50-pin, Female Internal

High-Density, 68-pin, Male External

High-Density, 68-pin, Female External

High-Density, 68-pin, Male Internal

High-Density, 68-pin, Female Internal

Different companies use different descriptions for the SCSI connectors. This table is a guide to the different descriptions.

Adaptec Terminology	Alternative Terminology
Low-density 50-pin	Centronics 50-pin
High-density 50-pin	Micro DB50 or Mini DB50
High-density 68-pin	Micro DB68 or Mini DB68
Very high-density condensed 68-pin	Ultra Micro DB68

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