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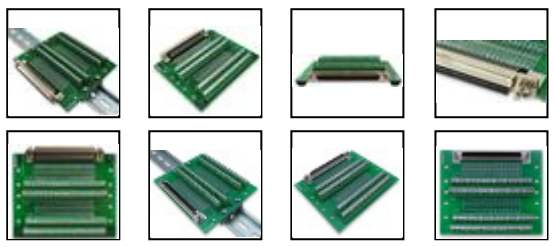
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100-Pin Half-Pitch DSUB Breakout Board



BRKADP100FV1-R-DIN
(click image to enlarge)



- 100-pin half-pitch DSUB connector (0.050 series D-type connector)
- Same connector type as NI SCB-100 connector block
- Screw terminal for each of the 100 lines, plus shield
- Solder pad connection space for all 100 lines and shield
- Fast and easy connections
- Perfect for prototyping and permanent installations
- Suitable alternative to National Instruments SCB-100 connector block
- Rubber feet or DIN rail mount

Scroll to Buy



See Also: More Breakout Boards

General Description



Make connections quickly and reliably with this breakout board, which brings every pin of its 100-pin Half-Pitch D-type connector out to screw terminals.

Each pin, including shield, is also brought to solder pads (2 per pin) at 0.1" spacing, allowing easy addition of pin headers or other components. Please note that the breakout boards are manufactured with a connection between each connector pin and the corresponding terminal block position; no soldering of any type is necessary. The solder pads simply provide an area for making optional connections to additional headers or other components.

The connector used on this product goes by several different names, including Half-Pitch DSUB, HPDSUB, HPDB100, Micro DB100, .050 DSUB, Amplimite .050 Series, 0.050 D-Type, and HD100. If you are uncertain which connector you have, please consult our connector guide to verify the connector family you need.

The BRKADP100FV1-R breakout board contains a female 100-pin half-pitch DSUB connector. Winford Engineering uses the AMP / TE / Tyco part number 5787082-9 or equivalent. This style of connector is used by National Instruments on some of their DAQ cards, and this 100-pin female connector is found on their SCB-100 connector block / breakout board. The BRKADP100FV1-R type breakout board is an alternative to the National Instruments SCB-100 breakout module.

This breakout board is perfect for production applications as well as experimentation and prototype work. It is helpful for working with data acquisition (DAQ) equipment, control systems, and other devices that use the 100-pin 0.050 series DSUB connector.

Need something different? We stock a variety of Half-Pitch DSUB breakout board styles . Please have a look!

A breakout board is sometimes referred to as a "transition module", "terminal board", "terminal block", "breakout box", "breakout adapter", "terminator", or "interface module".

Product Documents

BRKADP100FV1-R-DIN

0.050 HPDB 100-Pin, Right Angle, DIN Mount

BRKADP100FV1-R-FT

0.050 HPDB 100-Pin, Right Angle, Feet

BRKADP100FV1-S-DIN

0.050 HPDB 100-Pin, Straight, DIN Mount

BRKADP100FV1-S-FT

0.050 HPDB 100-Pin, Straight, Feet

Connector Guide

Which connector do I have? Consult this helpful identification guide.

Connector Hardware

The connector used on the Right Angle breakout boards contains both latch blocks and jack screws for securing a mating cable. This flexible approach allows these breakout boards to be used with cables that use either type of locking mechanism. The closeup photo below shows the latch blocks and the jack screws. The jack screws accept #2-56 thread screws.



Latch Blocks & #2-56 Jack Screws
Click image to enlarge.

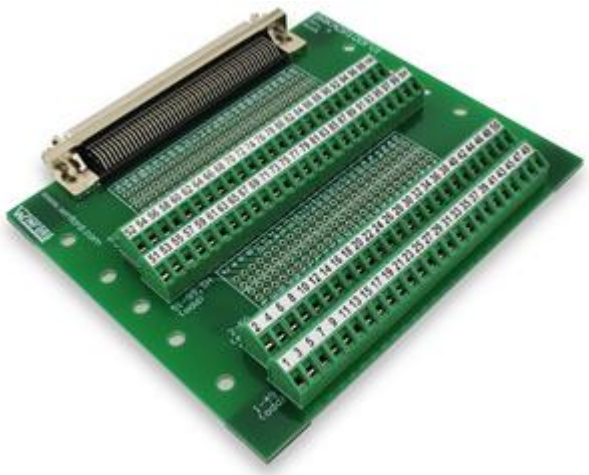
The Straight (Vertical) board connectors currently have only hexagonal jack screws *without* any latch block. The jack screws accept #2-56 threads.

Mounting Options

These products are available in two different mounting variants. Product numbers ending with **-DIN** come with DIN clips already installed and ready to snap onto 35mm or 32mm DIN rail. Product numbers ending with **-FT** have stick-on rubber feet installed on the bottom side, allowing for benchtop use or panel mounting. For panel mounting, we suggest 1/4" nylon standoffs under the mounting holes, and #6 screws.



DIN Rail Mount
BRKADP100FV1-R-**DIN**
Click image to enlarge.
Rail not included



Rubber Feet
BRKADP100FV1-R-**FT**
Click image to enlarge.

Product Details

- Half-pitch DSUB 100-Pin / 0.050 series D-type connector
- Same connector type as NI SCB-100 connector block
- Screw terminal for each of the 100 lines, plus shield
- Screw terminals accommodate wire sizes from 16AWG to 26AWG
- Approximate dimensions: 3.75" x 4.5"
- Connector contains both latch blocks and #2-56 jack screws
- Rubber feet or DIN rail mount



Need a quality screwdriver for your breakout boards? Winford sells Wiha screwdrivers!

Pricing and Ordering

Half-Pitch DSUB, 100-Pin Female Right Angle Connector:

BRKADP100FV1-R-DIN RoHS ✔ Yes

100-Pin Half-Pitch D-Sub Female Breakout Board, R/A, DIN Rail Mount

1 Add to Cart

Quantity	Price
1+	$100.05
10+	$94.70

BRKADP100FV1-R-FT RoHS ✔ Yes

100-Pin Half-Pitch D-Sub Female Breakout Board, R/A, Feet

1 Add to Cart

Quantity	Price
1+	$98.45
10+	$93.10

Half-Pitch DSUB, 100-Pin Female Vertical Connector:

BRKADP100FV1-S-DIN RoHS ✔ Yes

100-Pin Half-Pitch D-Sub Female Breakout Board, Straight Connector, Jack Screws, DIN Rail Mount

1 Add to Cart

Quantity	Price
1+	$100.05
10+	$94.70

BRKADP100FV1-S-FT RoHS ✔ Yes

100-Pin Half-Pitch D-Sub Female Breakout Board, Straight Connector, Jack Screws, Feet

1 Add to Cart

Quantity	Price
1+	$98.45
10+	$93.10

All of the above items are normally stocked. Please call us if you need to verify availability for a specific quantity, or for pricing at higher quantities. Please visit our ordering page for our ordering policies and a list of ordering methods.

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