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DB15HD Breakout Board with Enclosure



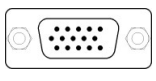
- Available with DB15HD (High Density) Male or Female connector
- Comes mounted in an enclosure
- Cost effective and reliable cable termination
- Terminal for each of the 15 lines, plus shield
- Available with spring terminals or screw terminals
- Convenient strain relief feature for wires
- No soldering or crimping required
- Available with Jack Screws or Thumbscrews

BRKEGD15HDF-T (View of Strain Relief)
(click image to enlarge)



General Description

Make connections quickly and reliably with this breakout board, which brings every pin of its DB15HD connector out to screw or spring terminals. This breakout board comes mounted in an attractive case. It is available with either Thumbscrews or Jack Screws for connector hardware. See pricing table below for all part numbers. This product is available with both male and female connectors.



Note: This product contains the 'high density' DB15HD connector with 3 rows of pins. See the DB15 products for the 2-row 'standard density' 15-pin DSUB connector.

This breakout board is perfect for production applications as well as experimentation and prototype work. It is helpful for working with I/O cards, DAQ devices, CNC equipment, and other devices that uses a DB-15HD connector.

Technically, the correct term for a DB15HD connector is DE15, but that term is not commonly used.

Enclosure

The breakout board comes already installed in a sturdy black plastic hood enclosure / shell with a removable cover. A hole in the end provides ample space for conductors to exit the enclosure, and a convenient strain-relief feature allows wires to be easily secured with a zip tie in just seconds. A curved channel guides the zip tie (included) around the wire bundle and back up for cinching.

Product Documents

BRKEAD15HDF-R Revision: A

DB15HD Female, Screw Terminals, Jack Screws

BRKEAD15HDF-R Revision: B

DB15HD Female, Screw Terminals, Jack Screws

BRKEAD15HDF-T Revision: A

DB15HD Female, Screw Terminals, Thumb Screws

BRKEAD15HDF-T Revision: B

DB15HD Female, Screw Terminals, Thumb Screws

BRKEAD15HDM-R Revision: A

DB15HD Male, Screw Terminals, Jack Screws

BRKEAD15HDM-R Revision: B

DB15HD Male, Screw Terminals, Jack Screws

BRKEAD15HDM-T Revision: A

DB15HD Male, Screw Terminals, Thumb Screws

BRKEAD15HDM-T Revision: B

DB15HD Male, Screw Terminals, Thumb Screws

BRKEGD15HDF-R Revision: A

DB15HD Female, Spring Terminals, Jack Screws

BRKEGD15HDF-R Revision: B

DB15HD Female, Spring Terminals, Jack Screws

BRKEGD15HDF-T Revision: A

DB15HD Female, Spring Terminals, Thumb Screws

BRKEGD15HDF-T Revision: B

DB15HD Female, Spring Terminals, Thumb Screws

BRKEGD15HDM-R Revision: A

DB15HD Male, Spring Terminals, Jack Screws

BRKEGD15HDM-R Revision: B

DB15HD Male, Spring Terminals, Jack Screws

BRKEGD15HDM-T Revision: A

DB15HD Male, Spring Terminals, Thumb Screws

BRKEGD15HDM-T Revision: B

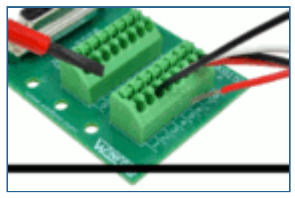
DB15HD Male, Spring Terminals, Thumb Screws

-

D-Sub Panel Cutout Drawing

Terminal Options

This product is available with two different wire terminal options:



- **Spring Terminals** (BRKE**G***x*): Spring terminals allow connections to be made very quickly and efficiently. Simply depress the actuator button on top of the terminal block, insert or remove the wire, and release the button. In addition, screwless spring connections can be attractive in environments where vibration could potentially loosen connections.
- **Screw Terminals** (BRKE**A***x*): Each connection is made by turning a screw to tighten the wire in a terminal cage clamp.

Spring Terminals
Click image to enlarge.

Screw Terminals
Click image to enlarge.

Hardware Options

This product is available in two different connector hardware options:

- **Thumbscrews** (**-T** option): These work well for attaching the product directly to a piece of equipment; the male threads on the thumbscrews directly engage the female threads on the equipment.
- **Jack Screws** (**-R** option): These provide female threads on the product and work well when attaching the product to a cable, which typically has male thread thumbscrews.



Thumbscrews (-T option)
Click image to enlarge.



Jack Screws (-R option)
Click image to enlarge.

Product Details

- Comes mounted in an enclosure
- Cost effective and reliable cable termination
- DB15HD (High Density) connector
- Terminal for each of the 15 lines, plus shield
- Available with spring terminals or screw terminals
- Spring terminals accommodate wire sizes from 16AWG to 24AWG
- Screw terminals accommodate wire sizes from 16AWG to 26AWG
- Convenient strain relief feature for wires
- Connection points are labeled with pin numbers
- No soldering or crimping required
- Available with Jack Screws or Thumbscrews
- Approximate dimensions: 2.9"L x 1.7"W x 0.85"H

Product Revisions

Revision B of these boards introduce a few minor changes, which are not expected to impact the user:

- Enclosure base no longer has a thin bar that extends across the enclosure above the DB15HD. Instead, the top cover extends further to cover above the DB15HD. When the base and cover are assembled, the overall shape is essentially the same as before.

- The PCB is attached to the enclosure with plastic snap rivets instead of screws. As before, the PCB is still pre-installed into the enclosure during our production process.
- The T-shaped tie-down point for zip-tieing wires is now provided by an extension of the PCB, rather than a separate plastic piece.
- The hole for wires to exit the back has been made larger: Rev A: 0.425" wide x 0.400" tall, Rev B: 0.50" wide x 0.435" tall
- Slight outside enclosure dimension changes: Rev A: 2.583"x1.663"x0.856", Rev B: 2.585"x1.563"x0.856"

Currently Shipping Revision:

- Rev A: BRKEAD15HDF-R, BRKEAD15HDF-T, BRKEAD15HDM-R, BRKEGD15HDF-R, BRKEGD15HDF-T
- Rev B: BRKEAD15HDM-T, BRKEGD15HDM-R, BRKEGD15HDM-T

Note: We are regularly updating this list, but during the transition, you may receive Rev B products (or both Rev A and Rev B) prior to the list being updated. If you need to confirm which revision you will receive, please contact us.

Accessories

Cable Ties

Use these cable ties for anchoring wires to a variety of Winford breakout boards; provides good strain relief for the wire connections.

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