



MINIPAK HDL Connectors

DESCRIPTION

Tyco Electronics' new MINIPAK HDL connector combines a high density power interface into a blind-mateable board-to-board connector, which stands only 8mm off the edge of the printed circuit board.

The MINIPAK HDL product consists of a right angle plug and a right angle receptacle, which utilizes an eye of the needle tail that can be used in both solder and press-fit applications. The contact offers a current rating of 16 amps, low contact resistance, and mating forces less than 0.3 pounds per contact.

The connector is designed and manufactured to be mass-customizable, allowing the customer to select a wide array of configurations and layouts. MINIPAK HDL connectors also contain three levels of mating sequences.

This product is designed specifically for modular hot-swappable power distribution

systems. The MINIPAK HDL connector offers 20% more current density in a smaller package than other products currently offered in the market.

APPLICATIONS

- 1U servers
- High End Servers
- Telecommunications Switches requiring low profile
- Hot Pluggable Power Supplies

KEY FEATURES

- High Density, low profile, power/signal, blind-mate connector
- Developed to meet next generation 1u application by reducing airflow impedance
- Design is customizable
- Serves both solder reflow and press fit applications with the same contact

TECHNICAL DOCUMENTS

Product Specification: 108-2325

Application Specification: 114-13215

FOR MORE INFORMATION

Technical Support

Internet: <http://www.tycoelectronics.com>

USA: 1-800-522-6752

Canada: 1-905-470-4425

UK: 44-1908-574289

Japan: 81-44-844-8013

MECHANICAL

- Gatherability - +/- 2mm
- Mating forces of 1 1/2 N max per power contact
- Single piece molded housing for best strength and alignment
- Durability - 250 mating cycles
- Wipe - min of 2.5mm on shortest signal
- 3 levels of sequencing

SPECIFICATIONS

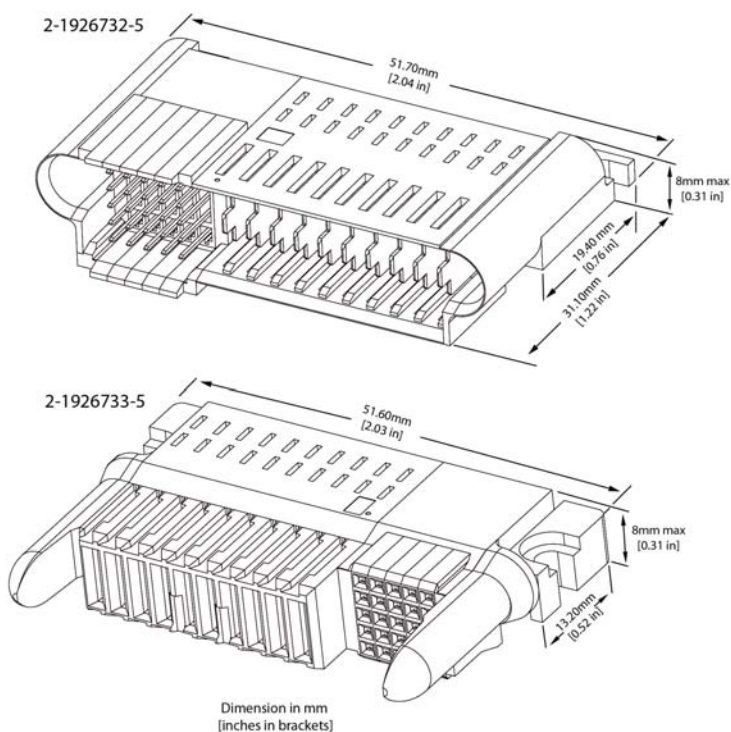
- Maximum operating temperature - 120° C
- Current Rating - 16 amps

PRODUCT DIMENSIONS

The connector configuration is described by reading left to right on the plug and right to left on the receptacle.

For example, the connector shown would be described 25SX10P

A wide variety of additional configurations can be produced due to the modular design of the product. Some popular configurations are shown here.



PART NUMBERS

Configuration	Right Angle Plug	Right Angle Receptacle
25S/10P	2-1926732-5	2-1926733-5
25S16P	4-1926732-6	4-1926733-6
6p/15s/6p	1-1926720-6	1-1926721-6
8P/25S/8P	2-1926720-5	2-1926721-5

Note: Part Numbers are RoHS compliant.

Restriction on the use of Hazardous Substances (RoHS)

At Tyco Electronics, we're ready to support your RoHS requirements. We've assessed more than 1.5 million end items/components for RoHS compliance, and issued new part numbers where any change was required to eliminate the restricted materials. Part numbers in this catalog are identified as:

RoHS Compliant — Part numbers in this catalog are RoHS Compliant, unless marked otherwise. These products comply with European Union Directive 2002/95/EC as amended 1 January 2006 that restricts the use of lead, mercury, cadmium, hexavalent chromium, PBB, and PBDE in certain electrical and electronic products sold into the EU as of 1 July 2006.

NOTE: For purposes of this Catalog, included within the definition of RoHS Compliant are products that are clearly "Out of Scope" of the RoHS Directive such as hand tools and other non-electrical accessories.

NOTE: Information regarding RoHS compliance is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information provided by our suppliers. This information is subject to change. For latest compliance status, refer to our website referenced at right.

Getting the Information You Need

Our comprehensive on-line RoHS Customer Support Center provides a forum to answer your questions and support your RoHS needs. A RoHS FAQ (Frequently Asked Questions) is available with links to more detailed information. You can also submit RoHS questions and receive a response within 24 hours during a normal work week.

The Support Center also provides:

- Cross-Reference from Non-compliant to Compliant Products
- Ability to browse RoHS Compliant Products in our on-line catalog
- Downloadable Technical Data Customer Information Presentation
- More detailed information regarding the definitions used above
- So whatever your questions when it comes to RoHS, we've got the answers at www.tycoelectronics.com/leadfree



Disclaimer

While Tyco Electronics Corporation and its affiliates referenced herein ("Tyco Electronics") have made every reasonable effort to ensure the accuracy of the information in this catalog, Tyco Electronics does not guarantee that it is error free, nor does Tyco Electronics make any other representation, warranty or guarantee that the information is accurate, correct reliable or current.

Tyco Electronics reserves the right to make any adjustments to the information contained herein at any time without notice. Tyco Electronics expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. Tyco Electronics' only obligations are those in the Tyco Electronics Standard Terms and Conditions of Sale, and in no case will Tyco Electronics be responsible for any incidental, indirect, or consequential damages arising from the sale, resale, or misuse of its products. Users should independently evaluate the suitability of, and test each product for, their application.



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[1-1926732-8](#) [1-1926733-8](#) [1827684-1](#) [1926720-2](#) [1926721-2](#) [6123978-1](#) [1926845-8](#) [1926845-6](#)