



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



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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

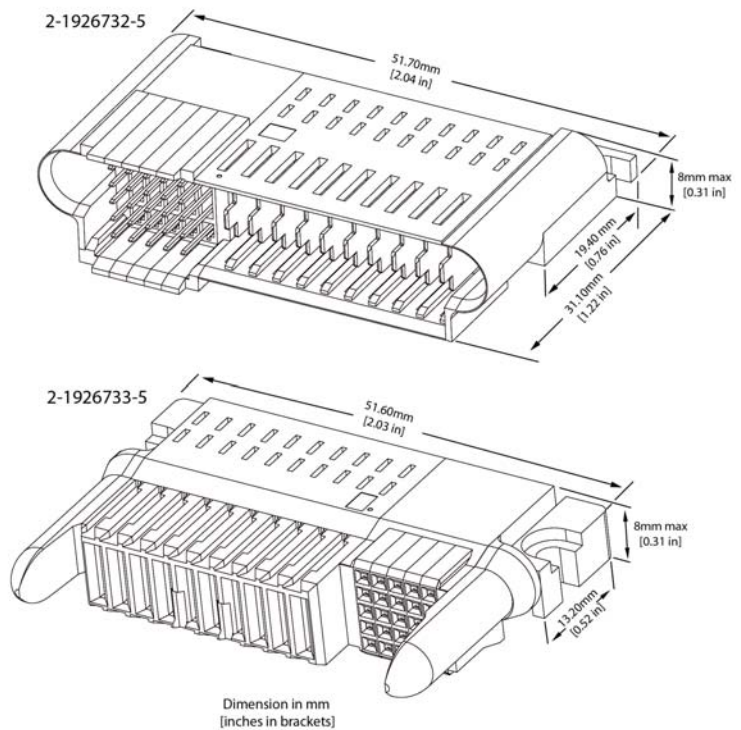
- Maximum operating temperature - 120° C
- Current Rating - 16 amps

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.

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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.

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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



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