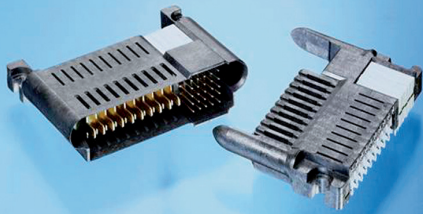


MINIPAK HDL Connectors

TE Connectivity's 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.



KEY FEATURES

- High density, low profile, power/signal blind-mate connector
- Developed to meet next-generation 1U application by reducing airflow impedance
- Customizable design
- Serves both solder reflow and press fit applications with the same contact

TECHNICAL DOCUMENTS

- Product Specification: 108-2325
- Application Specification: 114-13215

TE Technical Support Center

Internet: te.com/help
 USA: +1 (800) 522-6752
 Canada: +1 (905) 475-6222
 Mexico +52 (0) 55-1106-0800
 Latin/S. America: +54 (0) 11-4733-2200
 Germany: +49 (0) 6251-133-1999
 UK: +44 (0) 800-267666
 France: +33 (0) 1-3420-8686
 Netherlands: +31 (0) 73-6246-999
 China: +86 (0) 400-820-6015

te.com

© 2013 Tyco Electronics Corporation, a TE Connectivity Ltd. company. All Rights Reserved. 8-1773448-5 DTC PDF 12/2013 MINIPAK, TE Connectivity and the TE connectivity (logo) are trademarks. Other logos, product and company names mentioned herein may be trademarks of their respective owners.

APPLICATIONS

- 1U Servers
- High-end servers
- Telecommunications switches requiring low profile
- Hot pluggable power supplies

MECHANICAL

- Gatherability: +/- 2mm radial misalignment
- Mating forces of 1.5 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

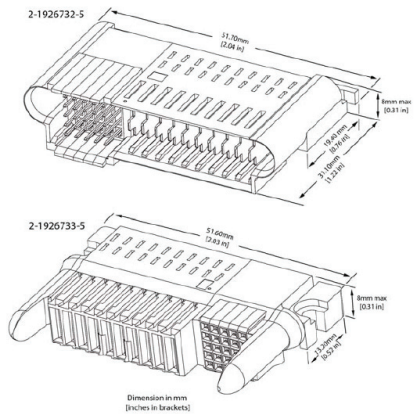
- Maximum operating temperature - 120°C
- Current rating - 16 amps

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 25S10P.

A wide variety of additional configurations can be reproduced 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.



While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE 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. The dimensions in this brochure are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.