

3M™ Stacking Connectors, 96X Series

Enable Robust System Solution for 2.54 mm (0.100 inch) for Board-to-Board Applications

3M offers the 96X series of 2.54 mm (0.100) inch connectors for board-to-board interconnect applications. This new series of connectors offers a wide variety of stacking options that address the most typical needs for stacking in horizontal, vertical and perpendicular angles, with stack heights to accommodate varying distances between boards.

The 3M Board-to-Board Stacking Connector, 96X Series provides a high quality, economical solution that utilizes a ten micro inch gold wiping area and includes tube, tray and tape and reel packaging options. The specifications and packaging make them ideal for usage in high volume applications with less stringent requirements for the number of mating cycles and medium length life span. The product range is qualified in accordance with European requirements for IEC performance, class three.

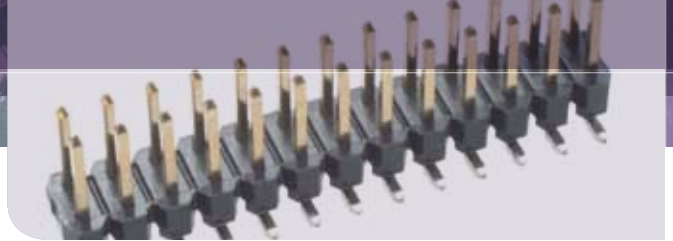
This 96X series board-to-board product family features 12 new product categories of pin strips and boardmount sockets that are available in both one- and two-row format, as well as vertical and right angle through-hole and surface mount configurations. Pin counts range from 2-80 positions depending on the type of product.

The connector bodies are made from PCT thermoplastic material, allowing for high temperature processing in lead-free environments up to 260°C (JEDEC J-STD-020C). The product family is EU RoHS compliant and is labeled in accordance with China marking standard SJ/T 11364-2006.

Specification details for the products associated with this release can be found in the technical data sheets listed in the chart on the next page.

Fast Facts:

- Meets EU RoHS* compliance and is labeled pursuant to China RoHS marking standard SJ/T 11364-2006
- High temperature insulators for lead free processing to JEDEC J-STD-020C
- Robust system solution when used with 3M IDC sockets or molded assemblies



3M™ Pin Strip Header, 961 Series, Dual Insulator, Straight



3M™ Pin Strip Header, 961 Series, Single Row, Straight



3M™ Boardmount Socket, 963 Series, Straight, Surface Mount

3M™ Stacking Connector Technical Data Sheets

Tech Sheet	Product Description	Tech Sheet	Product Description
TS-2181	961 Series Pin Strip, 1 and 2 Row, Through-hole, Straight	TS-2188	960 Series, Socket, Boardmount, 1 and 2 Row, Through-hole, Right Angle
TS-2182	961 Series, Pin Strip, 1 and 2 Row, Through-hole, Right Angle	TS-2189	960 Series, Socket, Boardmount, 2 Row, Surface Mount, Right Angle
TS-2183	961 Series, Pin Strip, 1 and 2 Row, Surface Mount, Straight	TS-2190	963 Series, Socket, Through-Board, 1 Row, Surface Mount
TS-2184	961 Series, Pin Strip, 1 and 2 Row, Surface mount, Right Angle	TS-2191	963 Series, Socket, Through-Board, 2 Row, Surface Mount
TS-2185	961 Series, Pin Strip, 1 and 2 Row, Through-hole, Dual Insulator, Board Stacking	TS-2192	966 Series, Socket, Through-Board, Low Profile, 2 Row, Surface Mount
TS-2186	969 Series, Shunt	TS-2193	966 Series, Socket, Through-Board, 2 Row, Through-hole
TS-2187	960 Series, Socket, Boardmount, 1 and 2 Row, Through-hole, Straight		

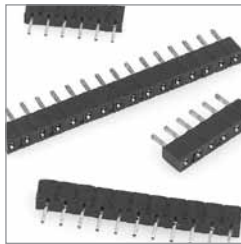
Other 2.54 mm (0.100 inch) Solutions from 3M



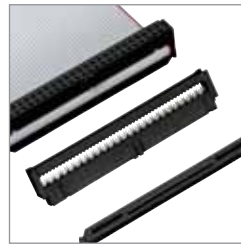
3M™ Four-Wall Headers, 3000/D3000 Series



3M™ Four-Wall Headers, 2500/D2500 Series



3M™ Boardmount Sockets and Pin Strip Headers, 929 Series



3M™ IDC Wiremount Sockets, D89, 891 and 3000 Series



3M™ Shielded Controlled Impedance (SCI) Cable Assemblies

*"RoHS Compliant 2002/95/EC" means that the product or part ("Product") does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2005/618/EC, unless the substance is in an application that is exempt under EU RoHS. This information represents 3M's knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M. In the event any product is proven not to conform with 3M's Regulatory Information Appendix, then 3M's entire liability and Buyer's exclusive remedy will be in accordance with the Warranty stated below.

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3M™ Molded Assemblies 1M and 2M Series



3M™ Flat Cable



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