3M Introduces New, Low-Profile Four-Wall Header for Surface Mount Applications

Printed circuit board designers looking to conserve board space will be interested in the new, low-profile vertical surface mount version of the 3M four-wall header 2500 series from the 3M Electronic Solutions Division. The .100" x .100" connector allows surface mount components to be placed on the opposite side of the board. The surface mount tails on the RoHS-compliant 3M design are visible, allowing for post-processing cleaning and joint inspection, which results in higher-quality assurance.

Available in 10-64 positions, these products are Restriction of Hazardous Substances (RoHS) compliant and meet JEDEC J-STD-020C requirements for lead free processing. The connectors can withstand reflow temperatures, including lead-free processing up to 260 degrees Celsius. The surface mount version ships in tape and reel packaging with high-temperature molded pickup caps, enabling automated pick and place for lower applied cost. It has a factory lead time of seven days. The addition of a surface mount termination style enhances the current 3M offering of plated through-hole versions used for wave solder and pin-in-paste processing applications.

While the surface mount version of the product is being launched as a RoHS compliant(1) offering, 3M continues to offer the 3M low-profile header solder tail 2500 series products with tin lead plating for its customers with legislative exemptions.

(1)"RoHS compliant" means that the product or part does not contain any of the following substances in excess of the following maximum concentration values in any homogeneous material, unless the substance is in an application that is exempt under RoHS: (a) 0.1 percent (by weight) for lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers; or (b) 0.01 percent (by weight) for cadmium. Unless otherwise stated by 3M in writing, this information represents 3M's knowledge and belief based on information provided by third party suppliers to 3M.

About 3M Electronic Solutions Division

The 3M Electronic Solutions Division, headquartered in Austin, Texas, has numerous technologies and provides a wide range of products for the electronics market. It provides products and solutions to meet the electronic industry's challenges of protecting sensitive components and precisely delivering them to the assembly point, as well as flexible and multilayer microinterconnect packaging solutions; embedded capacitance laminate materials, copper and fiber interconnect systems; cables and cable assemblies; static control products; and Textool test and burn-in sockets. The business is part of 3M Company, a $21 billion diversified technology company with leading positions in consumer and office; display and graphics; electronics and telecommunications; health care; industrial; safety, security and protection services; transportation and other businesses.

About 3M - A Global, Diversified Technology Company

Every day, 3M people find new ways to make amazing things happen. Wherever they are, whatever they do, the company's customers know they can rely on 3M to help make their lives better. 3M's brands include Scotch, Post-it, Scotchgard, Thinsulate, Scotch-Brite, Filtrete, Command and Vikuiti. Serving customers in more than 200 countries around the world, the people of 3M use their expertise, technologies and global strength to lead in major markets including consumer and office; display and graphics; electronics and telecommunications; safety, security and protection services; health care; industrial and transportation. For more information, including the

latest product and technology news, visit www.3M.com.

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