3M Introduces IEEE 1394-Compliant I/O Connectors

For design engineers working with machine vision and industrial control applications, 3M now offers I/O connectors that conform to the popular IEEE 1394 - 1995 standard.

The latest addition to the family of I/O connectors from 3M Electronic Solutions Division, the new IEEE 1394 connectors from 3M consist of an assortment of 6-pin shielded I/O connectors and accessories. Built around a robust ribbon-style contact interface for reliable repetitive plug/unplug applications, the connector is capable of carrying either signal or power, allowing designers flexibility in the location of power supplies to peripheral devices.

All IEEE 1394 connectors from 3M are shielded for increased resistance to EMI/RFI, critical for use in sensitive control and vision applications. Though designed specifically to suit the challenging demands of machine vision and industrial control factory environments, the robust-connection, vibration-resistance and secure-latching features of the IEEE 1394 connectors from 3M make them suitable for an even wider variety of applications, including communications and specialty computing.

Additional features include RoHS compliance*; quick-release secure latching system for easy connect and disconnect in repetitive plug and unplug applications; and the ability to accept a wide range of wire gauges. Configurations include right-angle, upright through-hole plug (male) and right-angle, horizontal through-hole plug (male) for boardmount connectors and wiremount receptacles (female) with applicable latching shell kit.

About 3M Electronic Solutions Division

3M Electronics Solutions Division offers innovative solutions to the electronics market, such as static control products; copper interconnect systems; cables and cable assemblies; carrier and cover tapes and trays; flexible circuits; embedded capacitor materials; and Textool brand test and burn-in sockets. For more information on interconnect solutions available from the 3M Electronic Solutions Division, visit www.3minterconnects.com.

About 3M

A recognized leader in research and development, 3M produces thousands of innovative products for dozens of diverse markets. 3M's core strength is applying its more than 40 distinct technology platforms - often in combination - to a wide array of customer needs. With $24 billion in sales, 3M employs 79,000 people worldwide and has operations in more than 60 countries. For more information, visit www.3M.com.

*"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.

3M and Textool are trademarks of 3M.

Editors: Electronic images available upon request. Please contact Jane Kovacs at jkovacs@3M.com.

Release Summary:

For design engineers working with machine vision and industrial control applications, 3M now offers I/O connectors that conform to the popular IEEE 1394 1995 standard.

Keyword Tags:

1394, 3m, connector, i/o, ieee, ieee 1394, ieee 1394 cable, industrial control, interconnect, machine vision, rohs, rohs compliant

3MJane Kovacs, 512-984-6747jkovacs@3M.comon twitter @3MJane

---

https://news.3m.com/2009-03-30-3M-Introduces-IEEE-1394-Compliant-I-O-Connectors