

3M Announces Comprehensive Range of New 2 mm Pitch IDC Cable-to-Board Interconnect Solutions

- The 3M Ribbon Cable Socket 158 Series and the Shrouded Header 159 Series provide customers with a reinvigorated interconnect offering -

Leveraging more than 45 years of experience designing and building its industry-leading line of electronic ribbon cable and insulation displacement connectors (IDC), 3M today announced the availability of a new family of 2 mm pitch IDC interconnect solutions. The 3M brand Ribbon Cable Socket 158 Series and its mate, the 3M brand Shrouded Header 159 Series, deliver a comprehensive set of features that provide manufacturers and cable harness builders numerous options in designing a variety of electronic systems.

3M's Ribbon Cable Sockets 158 Series platform is the only known product line in the industry to offer this combination of unique configurations:

- 30 μ " Au plating version with 3M's exclusive adhesive backed cover for robust termination, improved strain relief and discrete wire capability
- 30 μ " and 15 μ " Au version with a pre-assembled cover and packaged on 3M's innovative "sword pack" to enable higher speed termination operations versus traditional separated cover termination methods
- Available friction latch configurations to offer increased protection against accidental disconnect
- Bulk packaged 15 μ " Au versions for high volume, cost-effective operations

Shrouded Boardmount Headers 159 Series are designed to maximize design flexibility while minimizing PCB footprint. They mate to Ribbon Cable Sockets 158 Series, and are available in the following configurations:

- 30 and 15 μ " Au versions
- Vertical mount, thru-hole and surface mount
- Right angle mount, thru-hole
- Extended shroud version available to mate to 3M brand Molded Cable Assemblies Series 87

Since 1961, 3M has been a leader in the cable-to-board interconnect space, pioneering innovations in ribbon cable and IDC connector products. Through the years, the company has developed numerous platforms and customer solutions on a foundation of ribbon cable, IDC sockets and mating headers, which work to simplify the cable termination process and reduce total cost of ownership for the user. The 158 Series socket and 159 Series header continue to build off of this rich history of industry-proven solutions, and represent a broad expansion of 3M's extensive portfolio of reliable cable-to-board products.

"Ribbon Cable IDC interconnects are unsung heroes of the electronics industry and a fundamental building block in millions of electronic systems," said David Schneider, business manager for 3M's Electronic Solutions Division, Interconnect. "The 158 Series socket and 159 Series header products are the first in a series of solutions to reinvigorate this core technology, and provide the industry with a solid, comprehensive line of robust, sub .100" pitch cable-to-board solutions not currently offered in the market today."

Sockets 158 Series and Shrouded Headers 159 Series are available now through authorized 3M distributors. A full list of distributors, product drawings and specifications can be found at www.3Mconnector.com. These solutions will also be on display at Electronica 2010 in Munich, Germany, Hall B3, Booth 314.

About 3M Electronic Solutions Division

The 3M Electronic Solutions Division offers innovative solutions to the global 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 the solutions available from the 3M Electronic Solutions Division, visit www.3mconnector.com.

More information about 3M Company, available [online](#).

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Editors: Electronic images available by contacting Jenni Balthrop at jsbalthrop@mmm.com.

3MJenni Balthrop, 512-984-2146jsbalthrop@mmm.comon twitter @jennijewelAll other inquiries:<http://www.3m.com/MediaContact>

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