

3M™ IDC Sockets and Headers, 158 and 159 Series

For more than fifty years, 3M has been among the world's leaders in connectors utilizing Insulation Displacement Contacts (IDCs). We now offer a new family of products to expand this rich history of leadership and innovation:

- 3M™ Ribbon Cable Socket, 158 Series, 2 mm Pitch
- 3M™ Shrouded Board Mount Header, 159 Series, 2 mm Pitch

The Ribbon Cable Socket, 158 Series offers multiple product configurations to make it applicable to many general-purpose electronics applications:

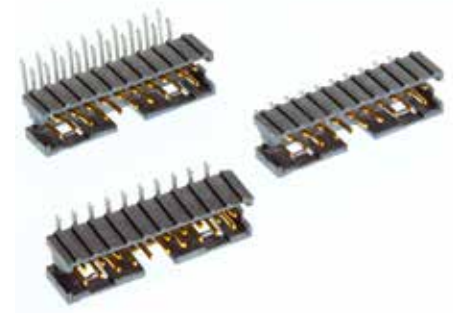
- Provides a reliable ribbon cable-to-board interface for a variety of applications
- Available adhesive cover for discrete wire capability and secure termination
- Available friction latch system for increased retention force when used with the Shrouded Board Mount Headers, 159 Series
- Available in 3M's unique "sword package," which helps to streamline the termination process, can reduce unnecessary process steps and can also improve termination cycle time
- 30μ" and 15μ" gold contact interface versions

The Shrouded Board Mount Header, 159 Series is available in multiple configurations for design flexibility and offers several different product options:

- Provides a reliable ribbon cable-to-board interface for a variety of applications
- Very small PCB footprint helps conserve valuable board real estate
- Friction latching system for increased socket holding force when used with the 3M Ribbon Cable Socket 158 Series
- Available in straight and right angle thru-hole, and straight surface mount configurations
- 30μ" and 15μ" gold contact interface versions
- Extended shroud option mates to the 3M™ Molded-On Cable Assembly, Series 87, 2 mm



3M™ Ribbon Cable Sockets, 158 Series



3M™ Shrouded Board Mount Header, 159 Series

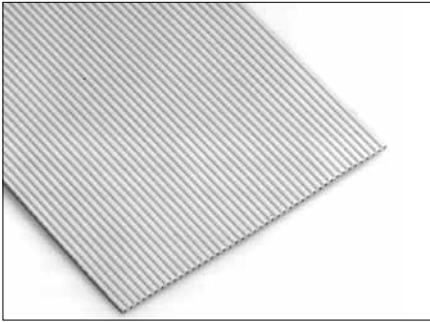
Board Mount/ Wire Mount	Configuration	Part Number	Customer Drawing
BM	Vertical TH Header	159XXX-6XXX	78-5100-2359-7
	Right Angle TH Header	159XXX-5XXX	
	Vertical SMT Header	159XXX-2XXX	
WM	Socket	158XXX-XXXX	78-5100-2358-9

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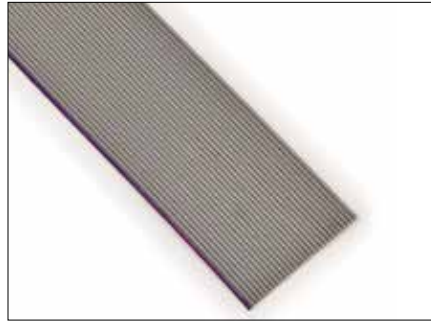
Product Specifications

	158 Series	159 Series
Current Rating	1.25A All Lines Energized	1.25A All Lines Energized
	2.75A 6 Lines Energized	2.75A 6 Lines Energized
Insulation Resistance	4.75A 1 Line Energized	4.75A 1 Line Energized
	> 1x10 ⁹ @ 500 VDC	> 1x10 ⁹ Ω@ 500 VDC
Withstanding Voltage	500 VACrms @ Sea Level	500 VACrms @ Sea Level
Temperature Rating	-55°C to +105°C	260°C Max Per IPC/JEDEC J-STD-020D

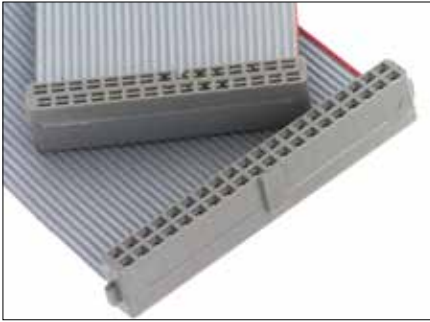
Related Products



3M™ Round Conductor Flat Cable, 3625 Series



3M™ Round Conductor Flat Cable, HF625 Series



3M™ Molded Assembly, Series 87, 2 mm



3M™ Standard Assembly Press 3640 and
3M™ Staging Platform 3767-0005

Other Related Products

3M™ Locator Plate 3443-119. There is also a kit to convert the 1522 assembly tool to a 3443-119.

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