



# **Complete Solutions for the Electronics Industry**

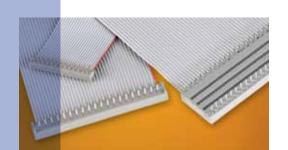
3M Interconnect Solutions offers a comprehensive range of Interconnect Solutions for the electronics industry, with a product portfolio that includes connectors, cables, cable assemblies and assembly tooling for a wide variety of applications.

3M is dedicated to innovation, continually developing new products that become an important part of everyday life across many diverse markets. A number of 3M solution categories are based on custom-designed products for specialized applications. 3M Interconnect Solutions can help you design, modify and customize your product as well as help you seamlessly integrate our products into your manufacturing process on a global basis.

Design, modify and Customize your product

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### 3M™ BACKPLANE CONNECTOR SOLUTIONS

PRODUCT	FEATURES	MATERIALS	PERFORMANCE
DIN Connectors	RoHS Compliant Version Available DIN 41612 C-Form Plug and Socket C-Form Wiremount Plugs and Sockets R-Form Plug and Socket Q-Form Plug and Socket B-Form Wiremount Plug and Socket B-Form Wiremount Plug and Socket Pinless Shrouds Solder Tails or Press-Fit Inverse Versions EMLB Contact Loading PCB Retention Clips	Contact Material: Copper Alloy Insulation Material: Engineering Thermoplastic Flammability UL 94V-0 Plating Underplating: 50 µ" [ 1.27 µm ] Min. Nickel Interface: 30 µ" [ 0.76 µm ] Gold or 3 µ" [ 0.08 µm ] Gold over 7 µ" [0.18 µm ] PdNi	Current Rating: 3.0 A @ 30°C T-rise Above Ambient Temperature Rating: -55°C to +125°C
MetPak™ 2-FB Connectors	RoHS Compliant Version Available Futurebus+® Inverse Version Available Vertical and Right Angle Stacking Versions Elevated Versions Guiding Features Pinless Shroud Power Header and Socket	Contact  Material: Copper Alloy Insulation Material: High Temp LCP Flammability UL 94V-0 Plating Underplating: 50 µ" (1.27 µm) Nickel Interface: 10 µ" [ 0.25 µm ] or 30 µ" [ 0.76 µm ] Gold or 3 to 5 µ" [ 0.07 to 0.12 µm ] Gold over 7, 27 or 40 µ" [ 0.18, 0.69, 1.01 µm ] PdNi	Current Rating: Signal: 1.5 A All Contacts Simultaneously Temperature Rating: -55°C to +125°C
MetPak™ CP2 Connectors	RoHS Compliant Version Available Compact PCI® Types A, B, AB and C Header and Socket Grounding Options EMLB Contact Loading Coding Keys Pinless Shroud	Contact Material: Copper Alloy Insulation Material: Glass Filled Polyester Flammability UL 94V-0 Plating Underplating: Nickel Wiping Area: 30 μ" [ 0.76 μm ] Gold	Current Rating: 1 A at +70°C Temperature Rating: -55°C to +125°C

## 3M™ BACKPLANE CONNECTOR SOLUTIONS

PRODUCT	FEATURES	MATERIALS	PERFORMANCE
MetPak** HM Connectors	RoHS Compliant Version Available     Hard Metric (HM)     5- and 8-Row Versions     Optional Four Integrated 8.25 A     Power Blades for a Total of 33 A     Power; Saves Space and Press-Fit     Operations     Socket and Header     Power Options     Protective Caps     Coding Keys     Shielding Options	Contact Material: Copper Alloy Insulation Material: High Temperature Thermoplastic Flammability UL 94V-0 Plating Underplating: 50 μ* [ 1.27 μm ] Nickel Interface: 30 μ* [ 0.76 μm ] Gold or 5 μ* [ 0.13 μm ] Gold over 40 μ* [ 1.01 μm ] PdNi	Current Rating: (Fully Loaded): 1 A at 70°C Signal, 8.25 A @ 70°C Power Temperature Rating: -55°C to +125°C
MetPak™ HSHM Sockets and Headers	RoHS Compliant Version Available     Low Crosstalk at High Frequencies     Optional Four Integrated 8.25 A     Power Blades for a Total of 33 A     Power; Saves Space and Press-Fit     Operations     • 50/100 (Single-Ended/Differential)     Impedance     Modular/Scalable Format IEC     61076-4-101     • 63 Mated Lines Per Linear Inch     • Press-Fit Headers and Receptacles     • End-To-End Stackable with 5 Row     3M™ Metpak™ CP2, HM, and     HSHM Headers     • High Speed Hard Metric (HSHM)     • 8 Gbps Per Second     • Orthogonal Design Capable     • Differential Pairs in Rows or     Columns     • Virtual Coax Capable     • 5- and 8-Row Versions     • Socket and Header     • Power Options     • Protective Caps for Headers     • Coding Keys     • Shielding Options     • Guide Pin Options     •	Contact Material: Copper Alloy Insulation Material: High Temperature Thermoplastic Flammability UL 94V-0 Plating Underplating: 50 μ" [ 1.27 μm ] Nickel Interface: 30 μ" [ 0.76 μm ] Gold or 5 μ" [ 0.13 μm ] Gold over 40 μ" [ 1.01 μm ] PdNi	Current Rating: (Fully Loaded): 1 A at 70°C Signal, 8.25 A @ 70°C Power Temperature Rating: -55°C to +125°C
Ultra Hard Metric (UHM) Connectors	<ul> <li>RoHS Compliant</li> <li>7+ Gbps Data Rates When Mated to Standard IEC 61076-4-101 2 mm Hard Metric Headers</li> <li>Low Crosstalk at High Frequencies</li> <li>50/100 Ω (Single-Ended/Differential) Impedance</li> <li>Press-Fit Receptacles Fully Compatible With IEC 61076-4-101</li> <li>Dual Beam Contact Construction for High Reliability</li> <li>End-To-End Stackable with 5 Row 3M Metpak CP2, HM, UHM and HSHM Sockets</li> <li>Mates With 3M Metpak CP2, HM, UHM, HSHM Headers and Any Other cPCI® Type Headers</li> </ul>	Contact Material: Copper Alloy Insulation Material: High Temperature Thermoplastic (LCP) Flammability UL 94V-0 Plating Underplating: 50 µ" [ 1.27 µm ] Nickel Interface: 30 µ" [ 0.76 µm ] Gold	Current Rating: 1 A at 70°C Signal Temperature Rating: -55°C to +125°C

### 3M™ BOARDMOUNT CONNECTOR SOLUTIONS

PRODUCT	EEATURES	MATERIALS	DEDEORMANCE
PRODUCT  Pin Strip Headers Series 95X	• RoHS Compliant • Single and Dual Row • 3 - 80 Positions • High Temperature Dielectric • "No Lead" Wave and Reflow Solder Compatible • Maximizes Use of PC Board Space • End Stackable Feature	Contact Material: Copper Alloy Insulation Material: High Temperature Thermoplastic Color: Black Flammability UL 94V-0 Plating	Current Rating: 1 A Temperature Rating: -40°C to +105°C
	Mates with Boardmount and Wiremount Products     Available in Straight, Right Angle Through-Hole and Surfacemount Versions	Underplating: 1.25–2.5 μm [ 100 μ" ] Nickel Wiping Area: 0.25 μm [ 10 μ" ] Gold Solder Tail Area: 1–3 μm [ 40–118 μ" ] Matte Tin	
Boardmount Pin Strips and Sockets 2 mm, Series 95X	RoHS Compliant  Maximizes Use of PC Board Space  High Temperature Dielectric  "No Lead" Wave and Reflow Solder Compatible  Dual Row Design, 4–80 Pins  Minimized PC Board Stacking Heights  Mates With Pin Strip Header Products  Available in Straight, Right Angle Through-Hole, Through-Board and Surfacemount Versions	Contact Material: Copper Alloy Insulation Material: High Temperature Thermoplastic Color: Black Flammability UL 94V-0 Plating Underplating: 1.25–2.5 µm [100 µ"] Nickel Wiping Area: 0.25 µm [10 µ"] Gold Solder Tail Area: 1–3 µm [40–118 µ"] Matte Tin	Current Rating: 1 A Temperature Rating: -40°C to +105°C
Box Headers 2 mm x 2 mm, Solder Tail Series 957	RoHS Compliant     High Temperature Dielectric     "No Lead" Wave and Reflow Solder Compatible     Maximizes Use of PC Board Space     Center Slot Polarization Prevents Mis-Insertions and Reduces Insertion Time     10 - 68 Positions	Contact  Material: Square Pin 0.5 mm, Copper Alloy Insulation  Material: High Temperature Thermoplastic Color: Black Flammability UL 94V-0 Plating Underplating: 1.25–2.5 µm [ 100 µ" ] Nickel Wiping Area: 0.25 µm [ 10 µ" ] Gold Solder Tail Area: 1–3 µm [ 40–118 µ" ] Matte Tin	Current Rating: 1 A Temperature Rating: -40°C to +105°C
Sockets and Pin Strip Headers, .100" x .100" Series 929	RoHS Compliant Version Available     2-72 Positions     Single- and Dual-Row Options     Through-Hole and Through-Board Options     Customizable Stack Heights from .150" to 1.325"     High Temperature Insulator Option	Contact Material: Copper Alloy Insulation Material: Glass Filled Polyester (PBT) or PCT (RoHS Compliant) Flammability UL 94V-0 Plating Pin Strip Underplating: 50 μ" [ 1.27 μm ] Nickel, Interface: 10 μ" [ 0.25 μm ] or 30 μ" [ 0.76 μm ] Gold Socket Underplating: 100 μ" [ 2.54 mm ] Nickel, Interface: 10 μ" [ 0.25 μm ] or 30 μ" [ 0.76 μm ] Gold Tin Plated Versions Available	Current Rating: 1 A, 2 A or 2.5 A Temperature Rating: -40°C to +105°C
Polarized Boardmount Sockets, .100" x .100" Series 5100, 6800, 8500, 9100	RoHS Compliant     10-64 Positions     Vertical and Right Angle Options     Center Bump Polarization	Contact Material: Copper Alloy Insulation Material: Glass Filled Polyester Flammability UL 94V-0 Plating Underplating: 2 µm [ 79 µ" ] Nickel Wiping Area: 0.3 µm [ 12 µ" ] Gold	Current Rating: 1 A Temperature Rating: -55°C to +105°C
Sockets and Pin Strip Headers, 2 mm x 2 mm Series 15	RoHS Compliant Version Available     4-60 Positions     Single and Dual-Row Options     Surfacemount, Through-Hole and Through-Board Options     Customizable Stack Heights from .101" to 1.418"     High Temperature Insulator	Contact Material: Copper Alloy Insulation Material: Glass Filled PCT Flammability UL 94V-0 Plating Underplating: 50-150 µ" [ 1.27-3.81 µm ] Nickel Wiping Area: 30 µ" [ 0.76 µm ] Gold	Current Rating: 1 A Temperature Rating: -55°C to +105°C

### 3M™ BOARDMOUNT CONNECTOR SOLUTIONS

PRODUCT	FEATURES	MATERIALS	PERFORMANCE
Pak 50 Sockets and Headers Series P50	RoHS Compliant  20-200 Positions  .050" Pitch  Reliable Ribbon Contacts  7.0 - 30.0 mm Stack Heights  Parallel, Perpendicular and End-to-End Mating  Audible Tactile "Click" for Blind Mating  Optional Power/Ground Pins  Wiremount Options Available	Contact Material: Phosphor Bronze Insulation Material: Glass Filled Nylon Flammability UL 94V-0 Plating Underplating: Nickel Wiping Area: 10 μ° [ 0.25 μm ] Gold	Current Rating: 0.5 A Temperature Rating: -55°C to +85°C
Pak 10 Plugs and Connectors Series PK10	RoHS Compliant 30-100 Positions 1.0 mm Pitch Optional Power/Ground Pins Parallel, Perpendicular and End-to-End Mating	Contact Material: Phosphor Bronze Insulation Material: Glass Filled LCP Flammability UL 94V-0 Plating Underplating: Nickel Wiping Area: 2 μ" [ 0.05 μm ] or 4 μ" [ 0.1 μm ] Minimum Gold	Current Rating: 0.5 A Temperature Rating: -55°C to +85°C
Pak 8 Plug Connectors Series P08	RoHS Compliant     20-100 Positions     .8 mm Pitch     3.0 - 8.0 mm Stack Heights	Contact Material: Copper Alloy Insulation Material: High Temperature Plastic Flammability UL 94V-0 Plating Underplating: 50 µ" [ 1.27 µm ] Nickel Wiping Area: 8 µ" [0.20 µm] Gold	Current Rating: 0.5 A Temperature Rating: -55°C to +85°C
Pak 8 Hermaphroditic Connector Series P08	RoHS Compliant 30-100 Positions Roman Pitch 11.5 mm Mated Height Mates to Itself, One Part on the Bill of Material	Contact Material: Phosphor Bronze Insulation Material: High Temperature Plastic Flammability UL 94V-0 Plating Underplating: 50 μ" [ 1.27 μm ] Nickel Wiping Area: 8 μ" [ 0.20 μm ] Minimum Gold	Current Rating: 0.5 A Temperature Rating: -55°C to +85°C
Pak 5 Connectors Series P05N	RoHS Compliant 20-100 Positions 5.5 mm Pitch 3.0 - 6.0 mm Stack Height	Contact Material: Copper Alloy Insulation Material: High Temperature Thermoplastic Flammability UL 94V-0 Plating Underplating: 50 μ" [ 1.27 μm ] Nickel Wiping Area: 8 μ [ 0.2 μm ] Gold	Current Rating: 0.5 A Per Contact Temperature Rating: -55°C to +85°C
Pak 5 Plugs Series PK5	• RoHS Compliant • 40-160 Positions • .5 mm Pitch • 4.0 - 8.0 mm Stack Heights	Contact Material: Copper Alloy Insulation Material: Glass filled LCP Flammability UL 94V-0 Plating Underplating: Nickel Wiping Area: 2 µ" [ 0.05 µm ] Minimum Gold over Nickel	Current Rating: 0.3 A Temperature Rating: -55°C to +85°C

### 3M™ BOARDMOUNT CONNECTOR SOLUTIONS

PRODUCT	FEATURES	MATERIALS	PERFORMANCE
4-Wall Low Profile Headers, .100" x .100", Series 2500 and Series D2500	RoHS Compliant Low Profile, Space Saving Design     Center Slot Polarization     Optional Retainer Clip for Locking Sockets in Place and Increasing Connection Reliability in Vibration Prone Environments     Optional High Temperature Insulator     Straight, Right Angle Through-Hole, and Straight Surfacemount Versions Available     10-64 Positions	Contact Material: Brass Insulation Material: High Temp Glass Filled Polyester Flammability UL 94V-0 Plating Underplating: 50-100 u" [ 1.27 - 2.54 µm ] Nickel Wiping Area: 30 u" [ 0.76 µm ] Gold for 2500 Series 10 µ" [ 0.25 µm ] Gold for D2500 Series Solder Tails: 40-120 u" [ 1-3 µm ] Matte Tin	Current Rating: 2 A Temperature Rating: -55°C to +105°C
4-Wall Latch/Eject Headers, .100" x .100", Series 3000, Series D3000	RoHS Compliant Version Available  10-64 Positions Straight and Right Angle Tails Vertical Compliant Pin Option 3- or 4-Wall Options Robust Roll Pin Latch System High Temperature Option	Contact Material: Copper Alloy Insulation Material: Glass Filled Polyester Flammability UL 94V-0 Plating Underplating: 100 μ" [ 2.54 μm ] Nickel - Overall Wiping Area: 30 μ" [ 0.76 μm ] Gold 30 μ" Gold for 3000 Series, 10 μ" Gold for D3000 Series	Current Rating: 2 A Temperature Rating: -55°C to +105°C
Latch/Eject Headers, 2 mm Series 1552	RoHS Compliant     13 Pin Counts, Ranging from 6–50 Positions     Robust Ejectors for Vibration Environments and to Reduce Likelihood of Latch Breakage when Ejecting     Mates to 3M™ Sockets, IDC, 1522 Series and 3M™ Molded Cable Assemblies, 2M Series (with Latching Ear Option)	Contact Material: Copper Alloy Insulation Material: Glass Filled Polyester Flammability UL 94V-0 Plating Underplating: 50 μ" [ 1.27 μm ] Nickel Wiping Area: 10 μ" [ 0.25 μm ] Gold or 30 μ" [ 0.76 μm ] Gold Solder Tails: 200 μ" [ 5.0 μm ] Matte Tin	Current Rating: 1 A Temperature Rating: Operating Temperature: -55°C to +105°C
4-Wall Condo Headers, .100" x .100" Series 3400	RoHS Compliant Version Available     20-128 Positions     Right Angle Tails     3- or 4-Wall Options     Robust Roll Pin Latch System     High Temperature Option     3-Wall Fits in VME Board     Stacking Criteria     "HDI" Alternative	Contact Material: Copper Alloy Insulation Material: Glass Filled Polyester Flammability UL 94V-0 Plating Underplating: 100 μ" [ 2.54 μm ] Nickel - Overall Wiping Area: 30 μ" [ 0.76 μm ] Gold	Current Rating: 1 A Temperature Rating: -55°C to +105°C
Surfacemount Latch/Eject Headers, .100" x .100" Series N4600	RoHS Compliant Version Available     10-60 Positions     Robust Roll Pin Latch System     High Temperature Body     Raised Body and Gull Wing Leads     Allow for Easy Inspection	Contact Material: Copper Alloy Insulation Material: Glass Filled Polyester Flammability UL 94V-0 Plating Underplating: 100 μ" [ 2.54 μm ] Nickel Wiping Area: 30 μ" [ 0.76 μm ] Gold	Current Rating: 1 A Temperature Rating: -55°C to +105°C

### 3M™ WIREMOUNT CONNECTOR SOLUTIONS

PRODUCT	FEATURES	MATERIALS	PERFORMANCE
Pak 50 Wiremount Sockets Series P25E, P25LE, P50E	RoHS Compliant     20-100 Positions     Accepts .025" And .050" Cable     Integrated Latch/Eject     Audible Tactile "Click" for Blind Mating	Contact Material: Copper Alloy Insulation Material: Glass Filled Polyester Flammability UL 94V-0 Plating Underplating: 100 μ" [ 2.54 μm ] Nickel Wiping Area: 10 μ" [ 0.25 μm ] Gold	Current Rating: 0.5 A Temperature Rating: -55°C to +85°C
Link Connectors, .100" IDC Series 381 and 382	RoHS Compliant     Simple and Low Cost Wiring Solution     Hermaphroditic Mating Wiremount Connector     Meets CC-Link/LT Standard IDC Termination to Discrete Wire or Flat Cable with Standard Pliers     Straight and Right Angle Boardmount Sockets	Contact Material: Copper Alloy Insulation Material: Glass Filled Polyester (PBT) Flammability UL 94V-0 Plating Underplating: 2.54 µm [100 µ"] Minimum Nickel Wiping Area: 0.2 µm [8 µ"] Minimum Gold with Lubricant Solder Tails: Gold Flash	Current Rating: 5.0 A Temperature Rating: -20°C to +70°C
Mini-Clamp Sockets and Plugs, Wiremount Series 371 and 373	RoHS Compliant     Flexible, Easy-To-Use, Wire-To-Wire or Wire-To-Board Connector System     High Number of Mating Cycles     Mating Latch Features Provide a Reliable Interconnection in Demanding Applications     Allows Easy and Simple Interconnecting of Sensors or Other Discrete Wire Devices     Dust Cap Accessory Available for Use in Harsh Environments	Contact Material: Copper Alloy Insulation Material: Nylon Color: Black Flammability UL 94V-0 Plating Underplating: 2.54 µm [100 µ*] Minimum Nickel Wiping Area: 0.2 µm [8 µ*] Minimum Gold with Lubricant Solder Tails: Gold Flash	Current Rating: 3.0 Amps Temperature Rating: -20°C to +85°C Ambient (1.0 A max.) -20°C to +75°C Ambient (2.0 A max.) -20°C to +60°C Ambient (3.0 A max.)
Mini-Clamp Sockets, 2 mm, Boardmount and SMT Series 372	RoHS Compliant     Low Profile Design Minimizes Overall Thickness     Compact Design Saves Board Space     Multiple PCB Locating Post Layouts to Provide Competitive Compatibility     Solder Tab Design Helps Provide a Reliable Solder Joint     Matching Latch Feature Provides a Reliable Interconnection in Demanding Applications     High Number of Mating Cycles (300)     Maximum Current Rating of 3 Amps     Dust Cover Accessory Available For Use in Harsh Environments	Contact Material: Copper Alloy Insulation Material: LCP Color: Black Flammability UL 94V-0 Plating Underplating: Nickel Wiping Area: 0.2 µm [ 8 µ" ] Minimum Gold with Lubricant Solder Tails: Gold Flash	Current Rating: 3.0 Amps Temperature Rating: -20°C to +85°C Ambient (1.0 A max.) -20°C to +75°C Ambient (2.0 A max.) -20°C to +60°C Ambient (3.0 A max.)
Power Clamp Sockets, Headers and Branch Series 355, 356 and 357	RoHS Compliant  5 Position  Wiremount Socket  Vertical Header  Branch Header  Easy, Labor Saving and Reliable IDC Termination  Accommodates 18 - 20 AWG Discrete Wire  No Special Wire Preparation Required  Field Terminatable with a Common Pliers  Polarization Provides Proper Interconnecting of Mated Pairs  Based on CC-Link Standard	Contact Material: Copper Alloy Insulation Body Material: Nylon Flammability UL 94V-0 Plating Underplating: 2.5 µm Minimum Nickel Wiping Area: 0.5 µm Minimum Gold Solder Tails: Gold Flash	Current Rating: 10 A Maximum (1 Contact) 7 A Maximum (2 or More Contacts) Temperature Rating: -20°C to +75°C Ambient

## 3M™ WIREMOUNT CONNECTOR AND ASSEMBLY SOLUTIONS

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PRODUCT	FEATURES	MATERIALS	PERFORMANCE
Wiremount Sockets, .100" x .100" Series 3000	RoHS Compliant     10-60 Positions     Two-Piece with Adhesive Cover for Daisy Chain or Round-to-Flat Cable Applications     Plastic or Metal Strain Relief Option     Positive Locking Metal Clip for High Cover Retention     Open or Closed-End Covers	Contact Material: Beryllium Copper Insulation Material: Glass Filled Polyester Flammability UL 94V-0 Plating Underplating and U-Slot: 100 µ" [ 2.54 µm ] Nickel Wiping Area: 30 µ" [ 0.76 µm ] Gold Wire Accommodation: 26 and 28 AWG Stranded	Current Rating: 1 A Temperature Rating: -55°C to +105°C
Wiremount Sockets, .100" x .100" Series 891, Series D89	RoHS Compliant     Pre-Assembled for High Efficiency     Pre-Assembled, Designed to Terminate     Faster Than Two-Piece Sockets,     "Sword" Packaging Makes Easy     Loading of Manual And Semi- Automatic Assembly Equipment     "Bumps" Prevent Premature Latch     Locking During Shipment     Military Polarization, with or without     Centerbump     Optional Double-Sided Adhesive Pull     Tab For Easy Unplugging     Double-Recessed Cover for Cable     Terminating From Either Side     Virtually Eliminates Need for Single-     Recessed Cover Connectors	Contact Material: Phosphor Bronze Insulation Material: Glass Filled Polyester (PBT) Color: Gray Flammability UL 94V-0 Plating Underplating: 50 µ" [ 1.27 µm ] Nickel Wiping Area: 30 µ" [ 0.76 µm ] or 10 µ" [ 0.25 µm ] Gold Wire Accommodation: 26 and 28 AWG Stranded	Current Rating: 2 A (EIA 364-70) Temperature Rating: -55°C to +105°C
Molded Socket Assembly, .100" x .100" Series 87, 1M	RoHS Compliant When Used with Compliant Cable     6-64 Positions     Supplied as Complete Assembly Only (1M Series)     Mates with Standard 0.25" Square Contacts on .100" x .100" Centers     One Piece, Molded-on Construction Provides Integral Strain Relief     High and Low Profile, Polarity and Pull Tab Options Available	Contact Material: Copper Alloy Insulation Material: Glass Filled Polyester Plating Underplating and U-Slot: 50 - 150 μ" [ 1.27 - 3.81 μm ] Nickel Wiping Area: 30 μ" [ 0.76 μm ] Gold	Current Rating: 1 A Temperature Rating: -55°C to +105°C
Polarized Wiremount Sockets, .100" and .100" x .100" Series CHG	RoHS Compliant     10-64 Positions     Single- and Dual-Row Side-to-Side Stackable     Single-Row 2-36 Positions     Dual-Row 6-72 Positions     Dual-Row Polarized Version     IDC with Individual Strain Reliefs on Each Contact     22-28 AWG Discrete or Flat Cable Wire	Contact Material: Copper Alloy Insulation Material: Glass Filled Polyester Flammability UL 94V-0 Plating Wipe Area: 30 μ" [ 0.76 μm ] Gold Underplating and U-Slot: 100 μ" [ 2.54 μm ] Nickel	Current Rating: 22-24 AWG: 2 A; 26-28 AWG: 1.5 A Temperature Rating: -55°C to +105°C
Wiremount Plugs, .100" x .100" Series 4600	RoHS Compliant     10-64 Positions     Open- or Closed-End Covers     Optional Ejector Latcwhes     Optional Mounting Flanges     Plastic Strain Relief Option	Contact Material: Copper Alloy Insulation Material: Glass Filled Polyester Flammability UL 94V-0 Plating Underplating and U-Slot: 100 µ" [ 2.54 µm ] Nickel Wiping Area: 30 µ" [0.76 µm] Gold	Current Rating: 1 A Temperature Rating: -55°C to +120°C

## 3M™ WIREMOUNT CONNECTOR SOLUTIONS

	PRODUCT	FEATURES	MATERIALS	PERFORMANCE
	Tripolarized Wiremount Sockets, .050" x .100" Series 82	RoHS Compliant     Version Available     20-100 Positions     Rugged Tri-Polarized     Mating System     High Performance     Hill-n-Dale IDC Interface     Metal Cover Latch     Optional Metal Strain Relief     Compatible with PVC, TPE and FEP Cable Insulations	Contact Material: Copper Alloy Insulation Material: Glass Filled Polyester Flammability UL 94V-0 Plating Underplating: 100 µ" [ 2.54 µm ] Nickel U-Slot: Matte Tin (RoHS compliant) or Tin-Lead Wiping Area: 30 µ" [ 0.76 µm ] Gold	Current Rating: 0.5 A Temperature Rating: -55°C to +105°C
4	4-Wall, Tripolarized Headers, .050" x .100" Series 81	RoHS Compliant Version Available  20-100 Positions Straight and Right Angle Vertical SMT Option High Temperature	Contact Material: Copper Alloy Insulation Material: High Temperature Plastic Flammability UL 94V-0 Plating Wiping Area: 30 µ" [ 0.76 µm ] Gold Underplating: 100 µ" [ 2.54 µm ] Nickel	Current Rating: 0.5 A Temperature Rating: -55°C to +105°C
	PCB 2-Row, .100" x .100" Series 78	RoHS Compliant  10-64 Positions  Low Profile  2.8 or 3.8 mm Tail Options	Contact Material: Beryllium Copper Insulation Material: Glass Filled Polyester Flammability UL 94V-0 Plating Underplating: 100 µ" [ 2.54 µm ] Nickel U Slot and Solder Tails: Gold Flash	Current Rating: 1 A Temperature Rating: -55°C to +105°C
	PCB 4-Row, .100" x .100" Series 3400	RoHS Compliant Version Available  10-50 Positions  Low Profile Design	Contact Material: Copper Alloy Insulation Material: Glass Filled Polyester Flammability UL 94V-0 Plating Underplating: 100 µ" [ 2.54 µm ] Nickel, Class 2 U-Slot and Solder Tails: 10 µ" [0.25 µm] Gold or 200 µ" [5.08 µm] Tin Lead	Current Rating: 1 A Temperature Rating: -55°C to +120°C

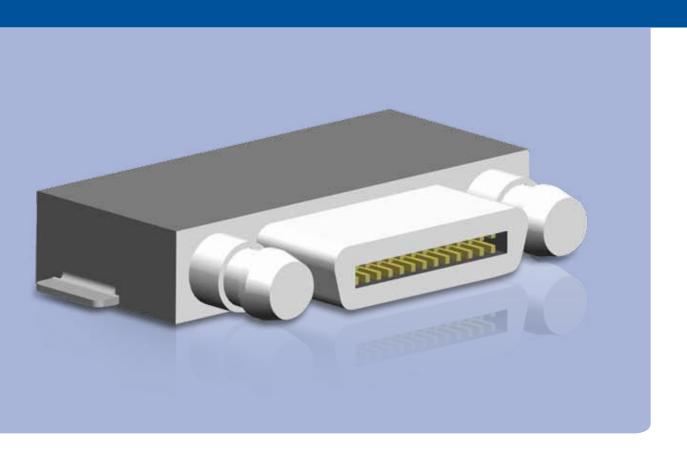
# 3M™ WIREMOUNT CONNECTOR AND ASSEMBLY SOLUTIONS

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PRODUCT	FEATURES	MATERIALS	PERFORMANCE
Wiremount Sockets, 2 mm x 2 mm Series 1522	RoHS Compliant     10 - 50 Positions     Rugged Cover Retention     Pre-Assembled for High Efficiency     Low Profile Metal Strain     Relief Option     Open or Closed Cover	Contact Material: Copper Alloy Insulation Material: Glass Filled Polyester (PBT) Color: Gray Flammability UL 94V-0 Plating Underplating and U-Slot: 50-150 µ* [ 1.27-3.81 µm ] Nickel-QQ-N-290, Class 2 Wiping Area: Gold, MIL-G-45204, Type II Grade C	Current Rating: 1 A Temperature Rating: -55°C to +105°C
Molded Socket Assembly, 2 mm x 2 mm Series 87, 2M	RoHS Compliant When Used with Compliant Cable Available in Multiple Sizes Sockets Mate with Standard 2 mm x 2 mm Headers and Plugs Molded-In Strain Relief	Material Varies for Connectors and Cables. See Website for Specifics.	Current Rating: 1 A Temperature Rating: -55°C to +105°C
Molded PCB Assembly, .100" x .100" Series 87, 1M	RoHS Compliant When Used with Compliant Cable     6 - 64 Positions     Supplied as Complete Assembly Only (1M Series)     Mates with Standard .100" x .100" Board Pattern     One Piece, Molded-on Construction Provides Integral Strain Relief     Straight and Retention Pin Options Available	Contact Material: Copper Alloy Insulation Material: Glass Filled Polyester Plating Underplating and U-Slot: 50 - 150 μ" [ 1.27 - 3.81 μm ] Nickel Contact Tail: 300 - 400 μ" [ 7.62 - 10.16 μm ] Matte Tin	Current Rating: 1 A Temperature Rating: -55°C to +105°C
Molded PCB Assembly, 2 mm x 2 mm Series 87, 2M	RoHS Compliant When Used with Compliant Cable 6-50 Positions Supplied as Complete Assembly Only (2M Series) Mates with Standard 2 mm x 2 mm Board Pattern One Piece, Molded-on Construction Provides Integral Strain Relief	Contact Material: Copper Alloy Insulation Material: Glass Filled Polyester Plating Underplating and U-Slot: 50-150 μ* [ 1.27 - 3.81 μm ] Nickel, Class 2 [ 2.62 - 10.10 μm ] Matte Tin Contact Tail: 300-400 μ*	Current Rating: 1 A Temperature Rating: -55°C to +105°C

## 3M™ DEVICE-TO-BOARD CONNECTOR SOLUTIONS

	CONNECTOR	SOLUTIONS	
PRODUCT	FEATURES	MATERIALS	PERFORMANCE
CF Card Headers, CompactFlash™ Series N7E50	RoHS Compliant Headers for Both Type I and II Cards Wide Array of Connector Size Options to Balance Between Footprint Size and Functionality	Contact Material: Copper Alloy Insulation Material: High Temperature Thermoplastic Flammability UL 94V-0 Plating Underplating: 2.03 μm [ 80 μ"] Nickel Wiping Area: 0.38 μm [ 15 μ" ] or 0.76 μm [ 30 μ" ] Gold	Current Rating: 0.5 A Temperature Rating: -40°C to +85°C
CF Card Ejectors, CompactFlash™ Series 7E50	RoHS Compliant     Mates to Selected N7E50     Series CF Headers to Provide     Added Ejection Functionality     Multiple Button Styles and     Orientations Allow     Design Flexibility	Button Material: Glass-Filled High Temperature Thermoplastic Frame Material: Stainless Steel Flammability UL 94V-0	Process Rating: 260°C (per J-STD-020C)
Serial Attached SCSI (SAS) Connectors Series SBR and SBH	RoHS Compliant  6.0 Gbps Input/Output Connector for Backplane Applications  Two Contact Mating Levels for Early-Mate and Late-Break Allows "Blind Mating" or "Hot Swap" Applications  Capable of Accepting SFF-Compliant HDD Fitted with SAS or Serial Advanced Technology Attachment (SATA) Header  OPTIONS  Elevated Receptacle Version for Additional Backplane Stand-off Plated Through-Hole, Press-Fit or SMT Available  Right Angle Version Available  Right Angle Version Prive Interface  29-Position Combo with Power	Contact Material: Copper Alloy Insulation Material: High Temperature Thermoplastic Flammability UL 94V-0 Plating Underplating: 50 μ" [1.27 μm] Nickel Wiping Area: 30 μ" [0.76 μm] Gold Solder Tails: 100 μ" [ 2.54 μm ] Tin	Current Rating: Power Pin: 1.5 A Signal Pin: 500 mA Temperature Rating: -40°C to +85°C
Serial Advanced Technology Attachment (SATA) Connectors Series 5607 and 5622	RoHS Compliant Graph Connector for HDD Applications EMLB Contacts for Hot Swap Blind Mate Polarization Meets SATA 2.6 Specifications OPTIONS Plated Through-Hole, Press-Fit or SMT Available Extended Height Receptacles for Additional Backplane Standoff Right Angle Surfacemount Receptacle T-Pin Signal Plug 22-Position Device Plugs for Drive Interface 22-Position Combo wih Power	Contact Material: Copper Alloy Insulation Material: High Temperature Thermoplastic Flammability UL 94V-0 Plating Underplating: 50 μ" [1.27 μm] Nickel Wiping Area: 30 - 40 μ" [0.76 μm] Gold Solder Tails: 100 μ" [2.54 μm] Tin	Current Rating: Power Pin: 1.5 A Signal Pin: 500 mA Temperature Rating: Operating Temperature: 0°C to +55°C Non-Operating Temperature: -40°C to +85°C

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# 3D CAD models are available on the 3M website

3M Interconnects Solutions now offers 3D CAD models of select products on our website, 3M.com/interconnects.

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To view or open a 3D model, you must have a CAD program and the WinZip® software. To download, right-click on the desired file and choose the option to "save to desktop."

# 3M™ DEVICE-TO-BOARD CONNECTOR AND ASSEMBLY SOLUTIONS

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PRODUCT	FEATURES	MATERIALS	PERFORMANCE
Serial Advanced Technology Attachment (SATA) Cables Series 5601, 5602	RoHS Compliant 7-Position Serial Signal Assembly Multiple Variations in Length and Interface Attachments Point-to-Point Signaling Polarized Interface Provides Proper Alignment Alignment Sea AWG Differential Pairs Meets SATA 2.6 Specification	Insulation  Material: High Temperature Thermoplastic Plating Wiping Area: 30 μ" [ 0.76 μm ] Gold Solder Tails: 100 μ" [ 2.54 μm ] Tin Underplating: 50 μ" [ 1.27 μm ] Nickel	Current Rating: 1 A Temperature Rating: -20°C to +85°C
Mini Serial Attached SCSI (miniSAS) Connectors, Series 8A26/8C26, 8A36/8B36, 8AB36	RoHS Compliant     6 Gbps Data Rate     Combination Connector with     Attached Shell Available     Multiple Keying Options     Multiple Tail Options and     Lengths Available on Shell     Meets SAS 1.1 Specification     Solder Hold Down Option on     26-Position Right Angle Receptacle     Available     External Housing Available in     1, 2 or 4 Ports	Contact Material: Copper Alloy Insulation Material: High Temperature Thermoplastic Flammability UL 94V-0 Plating Underplating: 50 µ" [ 1.27 µm ] Nickel Wiping Area: 30 µ" [ 0.76 µm ] Gold Solder Tails: 100 µ" [ 2.54 µm ] Tin	Current Rating: 0.5 A Temperature Rating: -20°C to +85°C
miniSAS External Cable Assemblies Series 8M26	RoHS Compliant Capable of 6 Gbps Per Channel Data Rate 26 Conductor Signal Assembly Multiple Lengths Available Metal Latch Pull Tab Ring Provides Easier Unmating Two Levels of EMLB for Hot Plugging Multiple Key Options Available	Connector Backshell Material: Zinc Diecast Plating 30 μ" [0.76 μm] Nickel Contact PCB Material: FR4 Underplating: 50 μ" [ 1.27 μm ] Nickel Wiping Area: 30 μ" [ 0.76 μm ] Gold Cable Conductor: Tin Plated Solid Conductor (AWG Depends on Length) Drain Wire: Tin Plated Solid Conductor Dielectric: Foam Polyethylene Shield: Mylar Jacket: Non-PVC Pulltab Material: Nylon Color: Blue	Current Rating: Per Contact: 0.5 A Operating Temperature: -20°C to +75°C

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PRODUCT	FEATURES	MATERIALS	PERFORMANCE
MDR Wiremount Plugs - IDC Series 101XX-60X0, 101XX-8000	RoHS Compliant  14-100 Positions  Wiper-on-Wiper Contact for Reliable Repetitive Plugging Digital LCD Interface as a 20 or 26 Contact Connector  IEEE 1284C Interface as a 36 Contact Connector Camera Link® Interface as a 26 Contact Connector Accepts a Wide Variety of Cable Constructions Including Split, Flat, Round, Twisted Pair and Twinax Cables Accepts a Wide Variety of Shielded Junction Shells OPTIONS Plastic-Non Shielded Version Termination Tools Junction Shells	Contact Material: Beryllium Copper Insulation Material: Glass Reinforced Polyester Flammability UL 94V-0 Plating Underplating: 80 µ" [ 2.0 µm ] Nickel Wiping Area: 30 µ" [ 0.76 µm ] Gold	Current Rating: 1 A Temperature Rating: -20°C to +85°C
MDR Wiremount Plugs - Solder Series 101XX-3000	RoHS Compliant Version Available  14-50 Positions  Wiper-on-Wiper Contact for Reliable Repetitive Plugging  Solder Cup Termination Requires No Special Tooling  Accepts a Wide Variety of Discrete Wire (24 to 30 AWG) Cable Construction OPTIONS  Junction Shells  Camera Link Interface as a 26 Contact Connector	Contact Copper Alloy Insulation Glass Reinforced Polyester Flammability UL 94V-0 Plating Underplating: 80 µ" [ 2.0 µm ] Nickel Wiping Area: Gold	Current Rating: 1 A Temperature Rating: -55°C to +105°C
MDR Panelmount Receptacles - IDC Series 102XX-0210	RoHS Compliant     20-68 Positions     Wiper-on-Wiper Contact for Reliable Repetitive Plugging     IEEE 1284C Interface as a 36 Contact Connector     Interface Latch Design for Connection Stability     Accepts a Wide Variety of Cable Constructions Including Flat, Shielded Flat and Twisted Pair Cables     Replaces Boardmount Receptacle When a Wire Transition Is Needed OPTION     Wire Termination Tools     Camera Link Interface as a 26 Contact Connector	Contact Material: Beryllium Copper Insulation Glass Reinforced Polyester Flammability UL 94V-0 Plating Underplating: 80 μ" [ 2.0 μm ] Nickel Wiping Area: 30 μ" [ 0.76 μm ] Gold	Current Rating: 1 A Temperature Rating: -20°C to +85°C
MDR Junction Shells, Round Cable Exit, Plastic Series 103XX	RoHS Compliant     14-80 Positions     Durable One-Piece Plastic Over Two-Piece Metal Junction Shell for Straight Round Cable (Compatible with 101XX-6000 EC Plug)     MDR Digital LCD Interface as a 20 or 26 Contact Connector OPTIONS     80 Position     Quick Release Latching or Secure Thumbscrew Versions Available	Outer Shell Material: ABS Inner Shell Material: Steel Flammability UL 94V-0 Plating Nickel	

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PRODUCT	FEATURES	MATERIALS	PERFORMANCE
MDR Junction Shells, Round Cable Exit, Metal Series 103XX	RoHS Compliant  14-100 Positions  Metal Junction Shell for Round Cable  Rugged Two-Piece Die Cast Metal Shell with Round Straight Exit (Compatible with 101XX-6000 EC Plug)  Reliable Metal Strain Relief Clamp Provides Grounding for Cable Shield  Excellent EMI/ESD Protection  Quick Release Latching Mechanism OPTION  60 Degree Cable Relief Option	Shell Aluminum Plating Nickel	
MDR Junction Shells, Flat Cable Exit, Metal Series 103XX	RoHS Compliant     Metal Junction Shell for Flat Cable     20-50 Positions     Rugged Two-Piece Metal Shells for High Performance Pleated Foil Cable Assemblies (Compatible with 101XX-6000 EC Plug)     Kit Includes Conductive Gasket for Cable Shield to Shell Continuity     Accepts 3M 50 0hm PFC Cables	Shell Material: Zinc Gasket Material: Elastomer with Conductive Fibers Plating Nickel	
MDR Junction Shells, Flat Cable Exit, Metal Series 103XX	RoHS Compliant     Rugged Two-Piece Metal     Junction Shell for Straight     Flat Cable (Compatible with     101XX-6000 EC Plug)     68-100 Positions     Jackscrew Latching for     Connection Stability     Kit Includes Gasket for Cable Shield     to Shell Continuity. Accepts 3M™     PFC Cables, 50 0hm	Shell Zinc Gasket Material: Elastomer with Conductive Fibers Plating Nickel	
MDR Junction Shells, Round Cable, Solder Cup Series 103XX	RoHS Compliant     14-50 Positions     Design Features Durable     Two-Piece Glass Reinforced     Polyester Backshell with     Ground Strap (Compatible     with 101XX-3000 Plug)     Round Straight Exit     Reliable Metal Strain Relief     Clamp Provides Grounding     for Cable Shield     Quick Release Metal     Latching Mechanism	Outer Shell Glass Reinforced Polyester Cable Clamp and Ground Plate Material: Stainless Steel Flammability UL 94V-0	Temperature Rating: -20°C to +85°C

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PRODUCT	FEATURES	MATERIALS	PERFORMANCE
MDR Boardmount Receptacles, SMT Vertical Series 102XX	RoHS Compliant     Version Available     20-36 Positions     Wiper-on-Wiper Contact for Reliable Repetitive Plugging     SMT Compatible PCT Insulator Material     Screw Lock-Down for Reliable PCB Retention     Interface Latch Design for Connection Stability     IEEE 1284C Interface as a 36 Contact Connector     Camera Link® Interface as a 26 Contact Connector     OPTIONS     Dust Covers     Board Lock and Panel Mount Hardware	Contact Copper Alloy Insulation Glass Reinforced Polyester Flammability UL 94V-0 Plating Underplating: 80 µ" [ 2.00 µm ] Nickel Wiping Area: 30 µ" [ 0.76 µm ] Minimum Gold	Current Rating: 1 A Temperature Rating: -55°C to +105°C
MDR Boardmount Receptacles, SMT Right Angle Series 102XX	RoHS Compliant     Version Available     14-50 Positions     Wiper-on-Wiper Contact for     Reliable Repetitive Plugging     Ultra-Low Signal Skew for High     Data Rate Transmission     Interface Latch Design for     Connection Stability     Digital LCD Interface as a 20 or 26     Contact Connector     Camera Link® Interface as a 26     Contact Connector     Contacts: 14, 20, 26, 40 and 50	Contact Copper Alloy Insulation Glass Reinforced Polyester Flammability UL 94V-0 Plating Underplating: 80 µ" [ 2.00 µm ] Nickel Wiping Area: 20 µ" [ 0.50 µm ] Minimum Gold	Current Rating: 1 A Temperature Rating: -55°C to +105°C
MDR Boardmount Receptacles, PTH Vertical Series 102XX	RoHS Compliant     Version Available     14-100 Positions     Wiper-on-Wiper Contact for Reliable Repetitive Plugging     Rugged Die Cast Metal Case Construction     Screw Lockdown for Reliable PCB Retention     Interface Latch Design for Connection Stability     IEEE 1284C Interface as a 36 Contact Connector     OPTIONS     Dust Covers     Board Lock and Panel Mount Hardware	Contact Copper Alloy Insulation Glass Reinforced Polyester Flammability UL 94V-0 Plating Underplating: 80 µ" [ 2.00 µm ] Nickel Wiping Area: 30 µ" [ 0.76 µm ] Minimum Gold	Current Rating: 1 A Temperature Rating: -20°C to +85°C

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PRODUCT	FEATURES	MATERIALS	PERFORMANCE
MDR Boardmount Receptacles, Compliant Pin Vertical Series 102XX	RoHS Compliant     14-100 Positions     Wiper-on-Wiper Contact for Reliable Repetitive Plugging     Rugged Die Cast Metal Case Construction     OPTIONS     Dust Covers     Board Lock and Panel Mount Hardware	Contact Copper Alloy Insulation Glass Reinforced Polyester Flammability UL 94V-0 Plating Underplating: 80 µ" [ 2.00 µm ] Nickel Wiping Area: 30 µ" [ 0.76 µm ] Minimum Gold	Current Rating: 1 A Temperature Rating: -20°C to +85°C
MDR Boardmount Receptacles, PTH Right Angle Series 102XX	RoHS Compliant  14-100 Positions  Wiper-on-Wiper Contact for Reliable Repetitive Plugging Rugged Die Cast Metal Case Construction Available  SMT Compatible PCT Insulator Material Screw or Ground Lock for Reliable PCB Retention Interface Latch Design for Connection Stability IEEE 1284C Interface as a 36 Contact Connector OPTIONS Stamped Metal Face and Die Cast Versions Dust Covers Board Lock and Panel Mount Hardware	Contact Copper Alloy Insulation Glass Reinforced Polyester (PCT) Flammability UL 94V-0 Plating Underplating: 80 µ" [ 2.00 µm ] Nickel Wiping Area: 30 µ" [ 0.76 µm ] Minimum Gold	Current Rating: 1 A Temperature Rating: -55°C to +105°C
MDR Boardmount Receptacles, PTH Right Angle Condo Series 102XX	RoHS Compliant     Version Available     Positions 40 (2 x 20), 100     (2 x 50) and 136 (2 x 68)     Wiper-on-Wiper Contact for Reliable Repetitive Plugging     Rugged Die Cast Metal Case Construction     Screw Lockdown for Reliable PCB Retention     Interface Latch Design for Connection Stability     Stacked Receptacles Save Board Space     OPTIONS     Dust Covers     Board Lock and Panel Mount Hardware	Contact Copper Alloy Insulation Glass Reinforced Polyester Flammability UL 94V-0 Plating Underplating: 80 µ" [ 2.00 µm ] Nickel Wiping Area: 20 µ" [ 0.50 µm ] Minimum Gold	Current Rating: 1 A Temperature Rating: -20°C to +85°C
MDR Boardmount Plugs, PTH Vertical Series 101XX	RoHS Compliant     Version Available     Wiper-on-Wiper Contact for     Reliable Repetitive Plugging     Contacts: 50 and 100	Contact Material: Copper Alloy Insulation Material: Glass Reinforced Polyester Flammability UL 94V-0 Plating Underplating: 80 µ" [ 2.00 µm ] Nickel Wiping Area: 8 µ" [ 0.20 µm ] Minimum Gold	Current Rating: 1 A Temperature Rating: -20°C to +85°C

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PRODUCT	FEATURES	MATERIALS	PERFORMANCE
MDR Boardmount Plugs, PTH Right Angle Series 101XX	RoHS Compliant     Version Available     20-50 Positions     Wiper-on-Wiper Contact for     Reliable Repetitive Plugging     Rugged Die Cast Metal Case     Construction     Screw or Ground Lock PCB     Retention     IEEE 1284C Interface as a 36     Contact Connector     OPTIONS     Normal and Reverse "D"     Interface Options     Panel and Board Locking Hardware	Contact Copper Alloy (C521) Insulation Glass Reinforced Polyester-Body Glass Reinforced Polyester-Alignment Plate Flammability UL 94V-0 Plating Underplating: 80 µ" [ 2.00 µm ] Nickel Wiping Area: 30 µ" [ 0.76 µm ] Minimum Gold	Current Rating: 1 A Temperature Rating: -20°C to +85°C
MDR Boardmount Plugs, Straddlemount Series 101XX	RoHS Compliant     Version Available     26, 50, 68 and 100 Positions     Wiper-on-Wiper Contact for     Reliable Repetitive Plugging     Solder Tails Require No     Special Tooling	Contact Copper Alloy (C521) Insulation Glass Reinforced Polyester-Body Glass Reinforced Polyester-Insert Mold Flammability UL 94V-0 Plating Underplating: 80 µ" [ 2.00 µm ] Nickel Wiping Area: 30 µ" [ 0.76 µm ] Minimum Gold	Current Rating: 1 A Temperature Rating: -20°C to +85°C
MDR Connectors, 68-Position BM SCSI Footprint Series 102	RoHS Compliant     Reverse Pin Layout — SCSI-2 Board Compatible     Proven Reliability of the MDR Ribbon Contact Interface	Contact Material: Copper Alloy Insulation Material: Glass Reinforced Polyester Flammability UL 94V-0 Plating Underplating: 80 µ" [ 2.03 µm ] Nickel Wiping Area: 30 µ" [ 0.76 µm ] Minimum Gold	Current Rating: 1 A Temperature Rating: -55°C to +105°C
MDR Connectors, 1S10 Series 102  NEW	RoHS Compliant Rugged Die Cast Body Resists Tipping During Automated Soldering Operations Wiper-On-Wiper Contact for Reliable Repetitive Plugging Ultra-Low Signal Skew for High Data Rate Transmission Interface Latch Design for Connection Stability Suitable for Thumbscrew Attach (See TS-0142 for Available Hardware) MDR Digital LCD Interface as a 20 or 26 Contact Connector Camera Link® Interface as a 26 Contact Connector Contact: 14, 20, 26, 40 and 50	Contact Material: Copper Alloy Body Material: Glass Reinforced Polyester (PCT) Flammability UL 94V-0 Plating Underplating: 80 µ" [ 2.00 µm ] Nickel Wiping Area Plating: See Ordering Information	Current Rating: 1 A Temperature Rating: -55°C to +85°C

# 3M™ INPUT/OUTPUT CONNECTOR & CABLE ASSEMBLY SOLUTIONS MINI DELTA RIBBON (MDR)

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PRODUCT	FEATURES	MATERIALS	PERFORMANCE
MDR Cable Assemblies, Power Over Camera Link® Series 1SXXX, 1MXXX	RoHS Compliant     3M Is One of the Recognized Leaders in Camera Link® Connectivity     Supports Base Configuration Power over Camera Link® Applications     Straight or Right Angle Cable Exit     Flexible Cable Options Available for Moving Head Applications     SDR-to-SDR and SDR-to-MDR Configurations Available for Cross-Platform Use	Materials Vary for Connectors, Cables, Shells and Jackscrews. See Website for Specifics.	Current Rating: 0.5 A Temperature Rating: 0°C to +75°C
MDR Cable Assemblies, Round Cable, Input/Output Series 14XXX, 4926, 4120	RoHS Compliant Pending on Some Versions     14-100 Positions     . 050" Pitch Ribbon Style Contact Provides Reliable Mating and Is Industry Preferred     Compatible for a Variety of LVDS, IEEE 1284, PanelLink™ / TMDS, Flat Link™ and Channel Link™ , OpenLDI and QuadLDI Applications     Mates with Standard 3M MDR Boardmount Products     Unshielded or Sheilded Twisted Pair or Twinax Cable Options     Contact 3M for Custom Configurations	Materials Vary for Connectors, Cables, Shells and Jackscrews. See Website for Specifics.	Current Rating: 1 A Temperature Rating: -20°C to +75°C
MDR Cable Assemblies, Camera Link® Series 1XX26	RoHS Compliant     3M Is One of the Recognized Leaders in Camera Link® Connectivity     Versions Available to Support Base, Medium and Full Configuration Camera Link® Applications     Straight or Right Angle Cable Exit     Flexible Cable Options Available for Moving Head Applications     Extension Cables for Bulkhead/Feed-Through	Materials Vary for Connectors, Cables, Shells and Jackscrews. See Website for Specifics.	Performance Varies by Type. See Tech Sheets.
MDR Pleated Foil Input/Output Cable Assemblies Series OM, LS	RoHS Compliant     Offers Superior Combination of High-Density, Electrical Performance, Shielding and Durability     Allows Digital Data Rates of up to 200 Megabits Per Second Per Conductor     Mates with Standard 3M MDR Boardmount Connectors     Pleated Copper Foil Provides 360 Degree Shield and Allows Coax-Like Performance     Overmolded and Metal with Latching and Thumbscrew Shells Available     Position Sizes from 20-100	Materials Vary for Connectors, Cables, Shells and Jackscrews. See Website for Specifics.	Temperature Rating: 75°C Maximum

# 3M™ INPUT/OUTPUT CONNECTOR AND CABLE ASSEMBLY SOLUTIONS

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PRODUCT	FEATURES	MATERIALS	PERFORMANCE
Shrunk Delta Ribbon (SDR) Boardmount Receptacles Series 122XX	RoHS Compliant  14-50 Positions  Wiper-on-Wiper Contact for Reliable Repetitive Mating Ground Lock for Reliable PCB Retention Full Metal Face for Better EMI Shielding Effectiveness On-Board Jacksockets Maintains a Secure Connection OPTIONS Surfacemount and Through-Hole Right Angle and Vertical Panel and Board Lock Hardware Mini Camera Link® Interface as a 26 Contact Connector	Contact Phosphor Bronze Insulation Glass Reinforced Polyester Flammability UL 94V-0 Plating Underplating: 80 µ" [ 2.00 µm ] Nickel Wiping Area: 30 µ" [ 0.76 µm ] Gold	Current Rating: 0.5 A Temperature Rating: -40°C to +70°C
Shrunk Delta Ribbon (SDR) Cable Assemblies, .80 mm, Mini Camera Link® Series 1MG, 1MF, 1SF	RoHS Compliant     Supplied as a Complete Assembly Only     Supports New AIA Industrial Camera Link® Standard for Mini C/L Camera to C/L Frame Grabber Applications     11 Shielded Twisted Twinax Pairs with Four Drain Wires     Double Overall Shield with Foil and Outer Braid EMI Shielded Cable Assembly     Straight and Right Angle Configurations Available     SDR-to-SDR and MDR-to-SDR     Options Available     Mates with 3M SDR and MDR     Boardmount Products	Material Varies for Connectors, Cables, Shells and Jackscrews. See Website for Specifics.	Current Rating: 0.5 A Temperature Rating: 0°C to 70°C
Shielded Compact Ribbon (SCR) Connectors Series 361, 362, 363	RoHS Compliant Robust, Vibration Resistant Connection Up to 1A per Pin (Signal or Power) 10 Pin Plug/Receptacle Solder Termination — No Tooling Required EMI Shielded Multiple Boardmount and Wiremount Configurations for Design Flexibility	Contact Material: Copper Alloy or Phosphor Bronze Insulation Material: Glass Reinforced LCP or Nylon Flammability UL 94V-0 Plating Underplating: Nickel Wiping Area: See Ordering Information Termination Area: See Ordering Information	Current Rating: 1 A Temperature Rating: -55°C to +85°C
I/O Connectors, IEEE 1394 Compatible, 2.0 mm Series 3E	RoHS Compliant     Compatible with Popular IEEE 1394 I/O Interconnect Standard     Robust, Vibration Resistant Connection with Secure Latching System     Up to 1A per Pin (Signal or Power)     6 Pin Plug/Receptacle     Solder Termination — No Tooling Required     EMI Shielded	Contact Material: Copper Alloy Insulation Material: Glass Filled Polyester Flammability UL 94V-0 Plating Underplating: 50μ" - 100 μ" [ 1.27 μm - 2.54 μm ] Nickel Wiping Area: 30 μ" [ 0.76 μm ] Gold Termination Area: See Ordering Information	Current Rating: 1 A Temperature Rating: -20°C to +85°C

## 3M™ INPUT/OUTPUT CONNECTOR AND CABLE ASSEMBLY SOLUTIONS

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PRODUCT	FEATURES	MATERIALS	PERFORMANCE
D Sub Plugs IDC Mass Terminated Series 8200	RoHS Compliant  9-50 Positions  Available in Either Open or Closed-End Cover  Shell Dimples to Aid in EMI/ESD Protection  Metal Strain Relief Hooks Directly to Metal Shell  Low Profile  Open (Except 50) or Threaded (SAE or Metric) Mounting Holes OPTIONS  Mounting Hardware  Open and Closed-End Covers	Contact Material: Copper Alloy Insulation Material: Glass Reinforced Polyester Flammability UL 94V-0 Plating Underplating: 100 μ" [ 2.54 μm ] Nickel Wiping Area: 30 μ" [ 0.76 μm ] Gold	Current Rating: 1 A Temperature Rating: -55°C to +105°C
D Sub Receptacles IDC Mass Terminated Series 8300	RoHS Compliant 9-50 Positions Available in Either Open or Closed-End Cover Metal Strain Relief — Hooks Directly to Metal Shell Low Profile Open (Except 50) or Threaded (SAE or Metric) Mounting Holes OPTIONS Mounting Hardware Open and Closed-End Covers	Contact Material: Copper Alloy Insulation Material: Glass Filled Polyester Flammability UL 94V-0 Plating Underplating: 100 µ" [ 2.54 µm ] Nickel Wiping Area: 30 µ" [ 0.76 µm ] Gold	Current Rating: 1 A Temperature Rating: -55°C to +105°C
D Sub - Junction Shell Round Cable, Metal Series 3357	RoHS Compliant     Provides EMI/ESD Protection     Similar to Aluminum Die Cast     Easy Assembly Reduces Time and     Labor to Ensure Low Applied Cost     Optional Thumbscrew Kit     Provides Option in Grounding     for Discrete Wire Applications     Lightweight, Compact Design     OPTIONS     Thumbscrew Kit     Retainer Rings	Cover Nut Material: Glass Filled Polyester Shell and Hardware Material: Steel Flammability UL 94V-0 Plating Nickel	
D Sub - Junction Shells Round Cable, Plastic Series 3357	RoHS Compliant     Protection from EMI/ESD     Easy Assembly Reduces Time and Labor for Low Cost     Lightweight and a Compact Design     Strain Relief Compensates for Multiple Cable Diameters     Jackscrews Provide Positive Retention     OPTIONS     60 Degree Relief Cable Exits	Shell and Hardware Shell Material: ABS Insulation Material: Thermoplastic Elastomer Flammability UL 94VO Plating Bright Zinc	Temperature Rating: 0°C to +75°C
D Sub - Junction Shells Flat Cable Series 3485	RoHS Compliant     Uses Standard Hardware     Lightweight, Compact Size     Full Family of Sizes     OPTIONS     EMI Versions Available	<b>Shell</b> Material: Glass Filled Polyester <b>Flammability</b> UL 94V-0	Temperature Rating: -55°C to +105°C

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## 3M™ CABLE SOLUTIONS

PRODUCT	FEATURES	MATERIALS	PERFORMANCE
Round Conductor Flat Cable Series 3365, 3355, 2010, 3601	RoHS Compliant  28 AWG Wire on .050 Inch Centers Permits Mass Termination to a Broad Line of IDC Connectors  Stranded Wire Provides Flexibility and Extended Product Life  Zippable for Branching or Discrete Termination  Series 3365 Available in Gray or Black  2010 Is Halogen Free OPTIONS  .025", .033", .050", 1 mm, .100" and .156" Center Line  18, 22, 24, 26, 28 and 30 AWG Conductors  Solid and Stranded Conductors  Multiple Roll Lengths  UL/CSA Marking Line  PVC Jacket Options  Split Sections  For Other Variations, See Website	Insulation Material: Polyvinyl Chloride TPE, FEP, PO Insulators	Flammability USA: VW-1 Canada: FT-1 Temperature Rating: -20°C to +105°C Voltage: USA 300V, Canada: 150V, EU: <50V
Extended Flex Life - Flat Cable Series 3319, 3539	RoHS Compliant Flex Life of 100 Million Cycles at 1 3/4 Inch Diameter High Strength Copper Alloy Provide the Longest Flex Life Available for Dynamic Applications 28 AWG Wire on .050 Inch Wire Spacing Permits Mass Termination to a Broad Line of IDC Connectors Zippable for Branching or Discrete Termination OPTIONS High Flex Medium Flex	Insulation Material: Polyvinyl Chloride	Flammability USA: VW-1, Canada FT-1 Temperature Rating: -20°C to +105°C Voltage: USA 300V, Canada: 150V, EU: <50V
Twisted Pair Flat Cable Series 1700, 2100, 3782	RoHS Compliant Wires Are Color-Coded for Easy Identification Twist and Flat Repeat Has Variable Length Option Can Be Mass Terminated to a Broad Line of IDC Connectors Provides Reduced Crosstalk in Balanced Drive Applications 28 AWG Stranded Wire Provides Flexibility and Extended Product Life 10-Color Repeat 2100 Is Halogen Free OPTIONS Variable Twist and Flat Repeat Lengths	<b>Insulation</b> Material: Polyvinyl Chloride or PO Insulators	Flammability USA: VW-1 Canada: FT-1 Temperature Rating: USA: -20°C to +105°C Canada: -20°C to +80°C Voltage: USA 300V, Canada: 150V, EU: <50V
Round Jacketed Flat Cable Series 3659, 3759, 3758, 3896	RoHS Compliant     Round Construction Permits     Easier Routing     28 AWG Wire on .050 Inch     Pitch Permits Mass Termination     to Broad Line of IDC Connectors     Continuous Split/Bond Repeat     Allows for Mass Termination     on 2.4 Inch Centers (Approximate)     Primary Cable Is Zippable for     Branching or Discrete Terminations     Meets External Wiring     Requirements of National     Electrical Code, Article 725 (CL2)     UL Listed for USA and     Canadian Markets     Dual Shielding Provides 35 db     Average Shielding Effectiveness     OPTIONS	Jacket Material: Polyvinyl Chloride or PO Insulators	Flammability USA: N.E.C. 725, CL2 Canada: FT-1 Temperature Rating: USA: CL2; 75°C Max or AWM; -20°C to +80°C, Canada: 80°C Voltage: USA 300V, Canada: 150V, EU: <50V

### **3M™ CABLE SOLUTIONS**

PRODUCT	FEATURES	MATERIALS	PERFORMANCE
Color Coded Flat Cable Series 3302, 3811	RoHS Compliant     28 AWG Wire on .050 Inch Centers Permits Mass Termination to a Broad Line of IDC Connectors     Stranded Wire Provides Flexibility and Extended Product Life     Zippable for Branching or Discrete Termination Color Coded for Wire Identification OPTIONS     22, 26 and 28 AWG Conductors     100", .156" Centerline	Insulation Material: Polyvinyl Chloride	Flammability USA: VW-1 Canada: FT-1 Temperature Rating: USA: -20°C to +105°C Canada: -20°C to + 80°C Voltage: USA 300V, Canada: 150V, EU: <50V
Round Jacketed Discrete Twisted Pair Cable Series 3600, 3644	RoHS Compliant     Meets External Wiring     Requirements of National     Electrical Code, Article 725 (CL2)     28 AWG Stranded Wire     Provides Flexibility     Twisted Pairs Reduce Crosstalk     for Balanced Drive Applications     Dual Shielding with Aluminum     Film Foil and Copper Braid Provides     Excellent EMI/ESD Protection     Wires Are Color-Coded for Easy     Identification     35 db Average Shielding     Effectiveness     OPTIONS     26 and 28 AWG Conductors	Jacket Material: Polyvinyl Chloride and PO Insulators and Jacket	Flammability USA: N.E.C.725, CL2 Canada: FT-1 Temperature Rating: USA: CL2 75°C Max, Canada: 80°C Voltage: USA 300V, Canada: 150V, EU: <50V
Pleated Foil Flat Cable Series 901XX, 902XX, 931XX	RoHS Compliant Compatible with IDC Mass Termination Connectors Functions with Applications Requiring Standard Impedance of 100Ω Balanced (Differential) Extremely Low Crosstalk, Used in the All-Signal Mode to Quadruple Signal Density as Compared to Standard .050 Inch Flat Ribbon Cable Solid Pleated Copper Foil Provides Flexibility and 35 db Average Shielding Effectiveness CL2 Rated, Rugged Design and High Reliability for Peripheral Applications OPTIONS .025" and .050" Centerline 28 and 30 AWG Conductors Solid and Stranded Conductors Thick and Thin Jacket Options Low Skew Versions	Jacket Material: TPE with PVC and TPE Jacketing Materials	Flammability USA: N.E.C. 725, CL2, Canada: FT-1 Temperature Rating: USA: CL2: 75°C; Canada: 80°C Voltage: USA 300V, Canada: 150V, EU: <50V

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### 3M™ CABLE ASSEMBLY SOLUTIONS

PRODUCT	FEATURES	MATERIALS	PERFORMANCE
Molded Flat Ribbon Assemblies Series 87, 1M and 2M	RoHS Compliant     10-60 Positions     Two-Piece with Adhesive Cover for Daisy Chain or Round-to-Flat Cable Applications     Plastic or Metal Strain Relief Option     Positive Locking Metal Clip for High Cover Retention     Open or Closed-End Covers	Contact Material: Copper Alloy Insulation Material: Glass Filled Polyester Plating Underplating and U-Slot: 100 µ" [ 2.54 µm ] Nickel Wiping Area: 30 µ" [ 0.76 µm ] Gold	Current Rating: 1 A Temperature Rating: -55°C to +105°C
Mini Delta Ribbon (MDR) Cable Assemblies, Round Cable, Input/Output Series 14XXX, 4926, 4120	RoHS Compliant     Pre-Assembled for High Efficiency     Pre-Assembled, Terminates Faster     Than Two-Piece Sockets "Sword"     Packaging Makes Easy Loading of     Manual and Semi-Automatic Assembly     Equipment     "Bumps" Prevent Premature Latch     Locking During Shipment     Military Polarization, With or Without     Centerbump     Optional Double-Sided Adhesive Pull     Tab for Easy Unplugging     Double-Recessed Cover for Cable     Terminating from Either Side Virtually     Eliminates Need for     Single-Recessed Cover Connectors	Contact Material: Phosphor Bronze Insulation Material: Glass Filled Polyester (PBT) Color: Gray Plating Underplating: 50 µ" [ 1.27 µm ] Nickel Wiping Area: 30 µ" [ 0.76 µm ] or 10 µ" [ 0.25 µm ] Gold Wire Accommodation: 26 and 28 AWG Stranded	Current Rating: 2 A (EIA 364-70) Temperature Rating: -55°C to +105°C
MDR Cable Assemblies, Power over Camera Link® Series 1SXXX, 1MXXX	RoHS Compliant     3M Is One of the Recognized Leaders in Camera Link® Connectivity     Supports Base Configuration Power over Camera Link® Applications     Straight or Right Angle Cable Exit     Flexible Cable Options Available for Moving Head Applications     SDR-to-SDR and SDR-to-MDR Configurations Available for Cross-Platform Use	Materials Vary for Connectors, Cables, Shells and Jackscrews. See Website for Specifics.	Current Rating: 0.5 A Temperature Rating: 0°C to +75°C
MDR Cable Assemblies, Camera Link® Series 1XX26	RoHS Compliant     3M Is One of the Recognized Leaders in Camera Link® Connectivity     Versions Available to Support Base, Medium and Full Configuration Camera Link® Applications     Straight or Right Angle Cable Exit     Flexible Cable Options Available for Moving Head Applications     Extension Cables for Bulkhead/Feed-Through	Materials Vary for Connectors, Cables, Shells and Jackscrews. See Website for Specifics.w	Performance Varies by Type. See Tech Sheets.
Mini Delta Ribbon (MDR), Pleated Foil Input/Output Cable Assemblies Series OM, LS, MS	RoHS Compliant     Offers Superior Combination of High-Density, Electrical Performance, Shielding and Durability     Allows Digital Data Rates of up to 200 Megabits per Second per Conductor     Mates with Standard 3M MDR Boardmount Connectors     Pleated Copper Foil Provides 360 Degree Shield and Enables Coax-Like Performance     Overmolded and Metal with Latching and Thumbscrew Shells Available     Position Sizes from 20-100	Materials Vary for Connectors, Cables, Shells and Jackscrews. See Website for Specifics.	Temperature Rating: 75°C Maximum

## 3M™ CABLE ASSEMBLY SOLUTIONS

PRODUCT	FEATURES	MATERIALS	PERFORMANCE
Shrunk Delta Ribbon (SDR) Cable Assemblies, .80 mm, Input/Output Series 1MG, 1MF, 1SF	RoHS Compliant     Supplied as a Complete Assembly Only     Supports New AIA Industrial Camera Link® Standard for Mini C/L Camera to C/L Frame Grabber Applications     11 Shielded Twisted Twinax Pairs with Four Drain Wires     Double Overall Shield with Foil and Outer Braid EMI Shielded Cable Assembly     Straight and Right Angle Configurations Available     SDR-to-SDR and MDR-to-SDR Options Available     Mates with 3M SDR and MDR Boardmount Products	Insulation Material: Polyvinyl Chloride Plating Underplating: 100 μ" [ 2.55 μm ] Nickel Wiping Area: 30 μ" [ 0.76 μm ] Minimum Gold Materials Vary for Connectors, Cables, Shells and Jackscrews. See Website for Specifics.	Current Rating: 1 A Temperature Rating: -20°C to +85°C
Serial Advanced Technology Attachment (SATA) Power Cable Series 5601	Rohs Compliant     15-Position Power Cable     Rugged Over-Molded Construction Provided in Standard Lengths     "Y" Type Supports Multiple Devices	Insulation  Material: High Temperature Thermoplastic Plating Wiping Area: 30 μ" [ 0.76 μm ] Gold Solder Tails: 100 μ" [ 2.54 μm ] Tin Underplating: 50 μ" [ 1.27 μm ] Nickel	Current Rating: 1 A Temperature Rating: -20°C to +85°
Serial Advanced Technology Attachment (SATA) Signal Cable Series 5602	RoHS Compliant     7-Position Serial Signal Assembly     Multiple Variations in Length and Interface Attachments     Point-to-Point Signaling     Polarized Interface Ensures Proper Alignment     26 AWG Differential Pairs     Meets SATA 2.6 Specification	Insulation Material: High Temperature Thermoplastic Plating Wiping Area: 30 μ" [ 0.76 μm ] Gold Solder Tails: 100 μ" [ 2.54 μm ] Tin Underplating: 50 μ" [ 1.27 μm ] Nickel	Current Rating: 1 A Temperature Rating: -20°C to +85°C

### 3M™ CABLE ASSEMBLY SOLUTIONS

	FEATURES	MATERIALS	PERFORMANCE	
6	RoHS Compliant George Channel Data Rate George Channel Data Rate George Channel Data Rate George Channel Custom Lengths Available Metal Latch George Channel Metal Latch George Channel Metal Latch George Channel Metal Latch George Geo	Materials Vary for Connectors, Cables, Shells and Jackscrews. See Website for Specifics.	Current Rating: 0.5 A Temperature Rating: -20°C to +80°C	
rial Attached SCSI (miniSAS) embly, Series 8M26	RoHS Compliant Capable of 6 Gbps Per Channel Data Rate 26 Conductor Signal Assembly Multiple Lengths Available Metal Latch Pull Tab Ring Provides Easier Unmating Two Levels of EMLB for Hot Plugging Multiple Key Options Available	Connector Backshell Material: Zinc Diecast Plating 30 µ" [0.76 µm] Nickel Contact PCB Material: FR4 Underplating: 50 µ" [ 1.27 µm ] Nickel Wiping Area: 30 µ" [ 0.76 µm ] Gold Cable Conductor: Tin Plated Solid Conductor (AWG Depends on Length) Drain Wire: Tin Plated Solid Conductor Dielectric: Foam Polyethylene Shield: Mylar Jacket: Non-PVC Pulltab Material: Nylon Color: Blue	Current Rating: Per Contact: 0.5 A Operating Temperature: -20°C to +75°C	

## 3M™ CABLE ASSEMBLY SOLUTIONS HIGH SPEED ASSEMBLIES

	HIGH SPEED	ASSEMBLIE	<b>.</b> 5
PRODUCT	FEATURES	MATERIALS	PERFORMANCE
SCI Latch/Eject 2 mm Development Kit	1 Gbps Single-Ended, 5 Gbps Differential or Mix and Match Cable-to-Board Solution     Robust Latching for Mechanically Challenging Environments     Low Crosstalk and Skew     Upgrade to Higher Speed and Better Crosstalk for Molded and IDC Cable Assemblies     High Density – 2 mm Pitch – Upgrade from 0.100"     Vertical SMT and Through-Hole Options Available	Material Varies for Connectors and Cables. See Website for Specifics.	1 Gbps Single-Ended, 5 Gbps Differential
Shielded Controlled Impedance (SCI) Assemblies High Speed Series 98	RoHS Compliant Version Available     Robust Metal Grounded Connectors     Provide EMI Shielding and Controlled     Impedance for Industry Leading     Signal Integrity and Performance     Various Carrier Types and Sizes     for .100* 2 mm SCI Connectors		
SCI Cable Assembly, .100"	. 100" (2.54 mm) Center Spacing     Available in Stand-Alone and Carrier Versions     Stand-Alone Version     Available in Right Angle and Straight Configurations     Mates with 3M Two-pin Headers     Carrier Version     Available in Straight Configuration Designed for Use with the 3M SCI Carrier System     Mates with .100" x .100" Headers     Carriers May Be Purchased Separately     Up to 3 Gbps Performance	Contact Material: Beryllium Copper Insulation Material: Thermoplastic	Current Rating: 1 A Temperature Rating: -55°C to +105°C
SCI Cable Assembly, 2 mm	High Density 2.0 mm Center Spacing Available in Carrier Versions Only Mates with Compact PCI®, HSHM, Futurebus® and 3MT Pin Strip Headers, 1512 Series Provides over 12 Gbps Performance Available with High Performance Coaxial or Twinaxial Cables Available With or Without External Ground Clips	<b>Contact</b> Material: Beryllium Copper <b>Insulation</b> Material: Thermoplastic	Bandwidth: Rated for Applications Requiring up to 12 Gbps Performance Current Rating: 1 A Temperature Rating: -40°C to +105°C
Custom Harness Assemblies	Available with 0.100" and 2 mm SCI Double-Ended SCI with Carrier or Optional Spring Probe Termination Controlled Impedance Through the Interface to Provide Minimal Reflections Low-loss, Low Crosstalk and Low Skew to Provide Industry Leading Eye Openings and Performance Available in Differential or Coaxial Cable Configurations Contact 3M for Custom Configurations Contact 3M for Custom Configurations Compatible with Standard .100" Harness Assemblies Compatible with Standard .100" x .100" Headers Standard Carriers Available mm Harness Assemblies Compatible with CompactPCI®, HSHM, Futurebus® and 3M* Pin Strip Headers, 1512 Series Industry Leading Signal Density of up to 101 Signals per Linear Inch Surfacemount 3-Wall Header Available		

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#### Available 3M™ Cable Assembly Types:

- Mini Delta Ribbon (MDR)
- Micro Coaxial
- Monosignal (Mini Coaxial)
   Pleated Foil Covered (PFC)
- . Molded Flat Ribbon, .100" and 2 mm
- Mini Serial Attached SCSI (miniSAS)

  - · Serial Advanced Technology Attachment (SATA)
- Serial Attached SCSI (SAS)
- Shielded Controlled Imdepance (SCI)
- · SCSI and Shrunk Delta Ribbon (SDR)

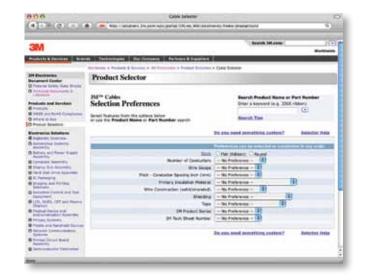
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- · Configure a part
- Check distributor inventory
- · Request samples or quotes
- · Build and configure cable assemblies using our Virtual Cable Assembly Tool (VCAT)
- Find cables using our parametric product selector



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- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
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