

Ulti-Mate

Connector Inc.

MICRO/NANO MINIATURE
CONNECTORS & CABLE ASSEMBLIES





DEFENSE



GEOPHYSICAL



MEDICAL



AVIATION



ULTI-MATE CONNECTORS INC.

Ulti-Mate Connector Inc. has been producing world-class Micro-miniature connectors and customized solutions since 1977. From our facility in Orange, California we proudly serve the interconnect needs of the Military, Aviation, Medical and Geophysical markets. Our reputation for innovation and quality has placed Ulti-Mate Connectors in advanced missile and guidance systems, predator drones, unmanned satellites, directional drilling equipment and medical imaging systems.

WHY ULTI-MATE?

- **SUPERIOR CUSTOMER SERVICE**
- **INNOVATIVE HIGH-QUALITY PRODUCTS AND SERVICE SOLUTIONS**
- **LARGEST TOOLED MICRO-D AND NANO PRODUCT OFFERING**
- **EXTENSIVE STOCK COMPONENTS TO FACILITATE QUICK TURN REQUIREMENTS**
- **WIDE-RANGING EXPERTISE IN CABLE ASSEMBLY DESIGN AND FABRICATION**
- **MANAGEMENT TEAM WITH OVER 90 YEARS IN THE MICRO-MINIATURE INDUSTRY**
- **WOMAN OWNED SMALL BUSINESS**

Ulti-Mate Connector is ITAR registered, ISO 9001: 2008 and AS9100 revision C certified. Our robust quality assurance processes ensures Ulti-Mate connectors and cable assemblies comply with all documentation requirements, product configurations, and validation requirements.

Cable assemblies are 100% electrically tested for Hi-Pot, DWV, IR, Continuity, Placement and Contact Resistance. Mechanical integrity, flame retardant, flex life, shielding & signal integrity, and outgassing, when necessary.

MICRO MINIATURE CONNECTORS

Ulti-Mate Connector Inc. designs and manufactures a broad range of precision engineered Micro Connectors. In addition to the standard products shown below, Ulti-Mate will collaborate on custom solutions to meet your interconnect needs.

- Wired Micro D Plug and Receptacle
- Standard or Low Profile
- Metal or Plastic Shell
- 9, 15, 21, 25, 31, 37, 51-3 and 100 positions



- Micro D Solder Cup Plug and Receptacle
- Standard or Low Profile
- Metal or Plastic Shell
- 9, 15, 21, 25, 31, 37, 51-3 and 100 positions



- Micro D Rear and Front Panel Mount Plug and Receptacle
- Standard Profile Metal Shell
- 9, 15, 21, 25, 31, 37, and 51 positions



- Micro D Circuit Plug and Receptacle
- Standard or Low Profile Right Angle Connector
- Metal or Plastic Shell
- 9, 15, 21, 25, 31, 37, 51-3 and 100 positions



- Micro D Circuit Plug and Receptacle
- Standard or Low Profile Vertical Connector
- Metal or Plastic Shell
- 9, 15, 21, 25, 31, 37, 51-3 and 100 positions



- Micro D Power and Coax Combo Plug and Receptacle
- Standard Profile Wired, Solder Cup or PCB Metal Shell
- Up to 10 Coax or 65 Signal positions



- Micro D Connector Saver Plug and Receptacle
- Standard or Low Profile Connector Wired
- Metal or Plastic Shell
- 9, 15, 21, 25, 31, 37, 51-3 and 100 positions



- Micro D JSB Plug and Receptacle
- Wire to Wire, Wire to Board, Board to Board terminations
- Center jackscrew and jackpost
- 10, 11, 26, 35 positions



- Micro Strip Plug and Receptacle
- Surface Mount, Vertical, Thru Hole or Right Angle Terminations
- 50 mil Plastic Shell
- 1 to 43 positions



- Micro Overmolded Assemblies
- Custom Micro Connectors
- Contact your local representative or www.UltimateConnector.com



- Micro Circular Plug and Receptacle
- Pre-Wired, Solder Cup & Straight Tail versions
- Metal or Plastic Shell
- 5, 7, 12, 19 and 37 positions



- Mechanical Latch
- Wired and Circuit Micro D Plug and Receptacle
- Standard Metal Shell
- 9, 15, 21, 31, 37, and 51-3 positions



** Above Micro Connectors also available in High Temperature -55C to 200C operating range

NANO MINIATURE CONNECTORS

Ulti-Mate Connector, Inc. provides one of the broadest Nano offerings in the industry. We are the only supplier providing metal and plastic shell configurations.

- Wired Nano Plug and Receptacle
- Single Ended
- Single or Dual Row
- Metal or Plastic Housing
- 9, 15, 21, 25, 31, 37, 51 and 65 Positions



- Wired Nano Plug and Receptacle
- Double Ended
- Single or Dual Row
- Metal or Plastic Housing
- 9, 15, 21, 25, 31, 37, 51 and 65 Positions



- PCB Nano Plug and Receptacle
- Right Angle SMT
- Single or Dual Row
- Metal or Plastic Housing
- 9, 15, 21, 25, 31, 37, 51 and 65 Positions



- PCB Nano Plug and Receptacle
- Right Angle Thru Hole
- Single or Dual Row
- Metal or Plastic Housing
- 9, 15, 21, 25, 31, 37, 51 and 65 Positions



- PCB Nano Plug and Receptacle
- Vertical SMT
- Single or Dual Row
- Metal or Plastic Housing
- 9, 15, 21, 25, 31, 37, 51 and 65 Positions



- PCB Nano Plug and Receptacle
- Vertical Thru Hole
- Single or Dual Row
- Metal or Plastic Housing
- 9, 15, 21, 25, 31, 37, 51 and 65 Positions



- Latching Nano Plug and Receptacle
- Wired or PCB Configurations
- Dual Row
- Metal Housing
- 9, 15, 21, 25, 31 and 37 Positions



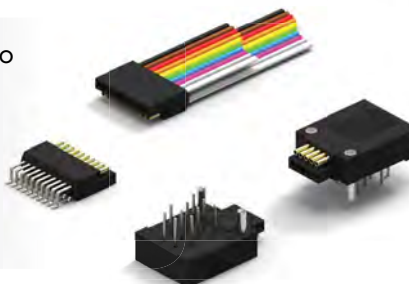
- Field Solderable Nano Plug and Receptacle
- Dual Row
- Metal or Plastic Housing
- 9, 15, 21, 25, 31, 37, 51 and 65 Positions



- Strip Nano Plug and Receptacle
- Wired or PCB Configurations
- Single or Dual Row
- 2 to 40 Positions Single Row
- 21 Position Dual Row



- Hermaphroditic Nano Plug and Receptacle
- Wired or PCB Configurations
- Dual Row
- 4 to 20 Positions



- Circular Nano Plug and Receptacle
- Wired or PCB Configurations
- Plastic Inline
- Metal Shell Break Away
- Field Solderable
- 7, 12 and 19 Positions



- Nano Cable Assemblies
- Nano Overmolded Assemblies
- Contact your local representative or www.UltimateConnector.com



** Above Nano Connectors also available in High Temperature -55C to 200C operating range

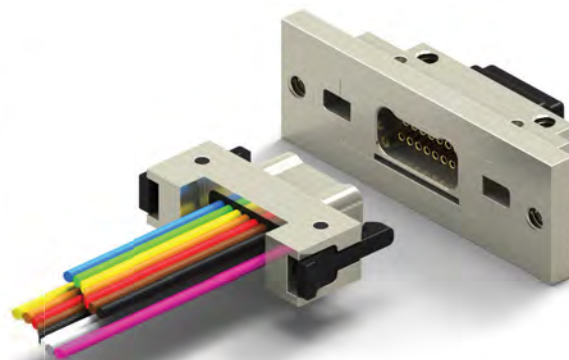
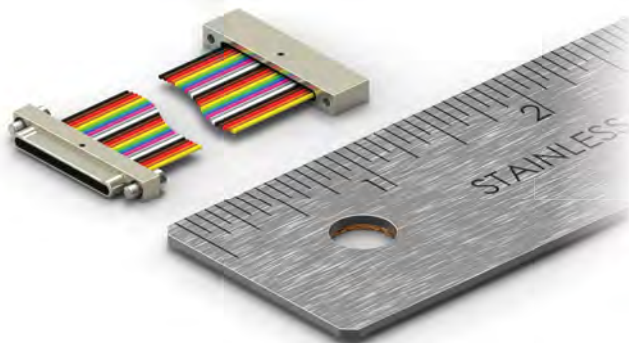
Ulti-Mate Connector Inc. has introduced a new, cost effective solution to traditional Stainless Steel and Aluminum shells, for when grounding and shielding is not required. We now offer metal or plastic shell connectors that are manufactured and tested to meet the requirements of MIL-DTL-32139.*

CONFIGURATIONS INCLUDE

- Wire to Wire
- Wire to Board
- Board to Board
- Single and Dual Row
- Surface Mount and Thru Hole

FEATURES

- Precision Formed Pin Contact
- LCP Bodies and Insulators
- MIL-DTL-32139 compatible
- Broad product offering
- Flat Tail for Industry Leading Co-planarity



APPLICATIONS

- Defense Electronics
- Medical Electronics
- Geophysical Exploration
- Electronic surveillance
- Space vehicles
- UAV

BENEFITS

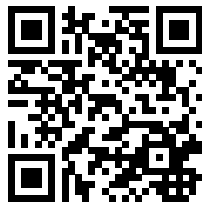
- Low cost repeatable quality
- -55C to 200C operating range
- Meets or exceeds Military performance requirements
- Design flexibility without tooling
- True SMT tail design

* Ulti-Mate Connector Inc. is in the process of qualification testing for MIL-DTL-32139 products.

CUSTOM CABLE ASSEMBLIES

For more than 25 years, Ulti-Mate Connector Inc. has provided custom cable assemblies to customers in the medical, commercial, aviation, geophysical and military aerospace markets.

Examples of end applications comprised of commercial cargo loading equipment, avionic antenna networks, submarine communications systems, as well as missile launch and guidance systems. Our team is ready to make your custom cable concept a reality.



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