

Amphenol

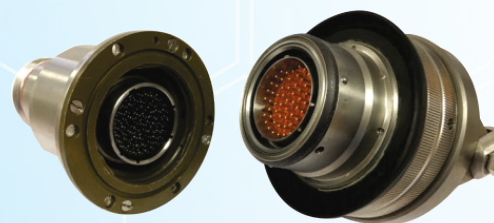


***Your Connection
Into Space***



61/128 Pin Umbilical Connectors

- Dead Face Mechanism on Receptacle Fixed Connector Side
- Separation Load By Lanyard Cable
- Ball Locking Mechanism
- Socket With Triple Start Locking For High Vibration & Shock Withstanding
- Also Available In Hermetically Sealed Version With Dead Face Mechanism
- Capable For Accommodating Standard (61 Pin) & High Density (128 Pin) Insert Layout



Applications: Launch Vehicles & Missiles

317, 282 & 244 Pin Umbilical Connectors

- Dead Face Mechanism on Receptacle Fixed Connector Side
- Separation Load By Lanyard Cable
- Ball Locking Mechanism
- Capable For Accommodating Standard (61 Pin) & High Density (128 Pin) Insert Layout & J7(97-2) Insert Layout



Applications: Launch Vehicles & Missiles

Class K & S Connector Varieties (Per MIL-DTL-38999)

- MIL-DTL-38999/20K/S: Connectors, Electrical, Circular, Receptacle, Threaded, Wall Mounting Flange, Removable Crimp Contacts, Series III, Metric
- MIL-DTL-38999/26K/S: Connectors, Electrical, Circular, Plug, Straight, Removable Crimp Contacts Metric
- MIL-DTL-38999/24K/S: Connectors, Electrical, Circular, Receptacle, Threaded, Jam Nut Mounting, Removable Crimp, Contacts, Series III, Metric



Amphenol Class K & S Connectors Meets The MIL-DTL-38999 Series III Requirement

- Firewall Capability & High Reliability
- Metal Clips Contact Retention More Reliable Than Plastics Retention System
- Contact Protection 100% Scoop Proof
- Removable Contact With Rear Released Contact Retention System
- A Rigid Dielectric Inserts With Excellent Electrical Characteristics
- High Contact Density Layouts Available
- Quick Coupling- Completely Mates & Self-Locking, In A 360 Turn Of The Coupling Nut
- Shell To Shell Continuity Passivated (K) 10 mΩ & Nickel (S) 1 mΩ
- RFI – EMI Shielding & Shell To Shell Continuity
- Durability - 500 Mating Cycles
- Temperature Range -65°C + 200°C
- Corrosion Resistance 500 Hrs.
- Moisture Resistance Improved Interfacial Seal Design Alignment
- Quick Coupling Tri-Start Thread
- Anti-Vibration & Shock Proof

Applications:

- Design For The Harsh Environments
- Military & Commercial Aviation
- Military Vehicles, Missiles & Ordnance
- Space Application



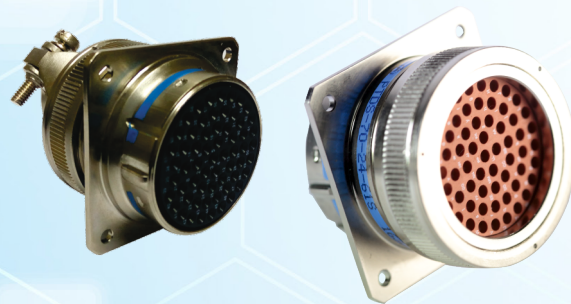
Push Pull Series Connectors

Features:

- MIL-DTL-38999 Layouts & Contacts
- MIL-DTL-38999 Series Electric Performance
- Push Pull Plug Lanyard Release, Push Pull Plug Non Lanyard Release
- Lanyard Release Up To 15° (Demating By Pulling)
- Blind Mating Provision
- Small Envelope

Applications:

- Launch Vehicles
- Fighter Planes



Hermetically Sealed Connectors 38999, 26482

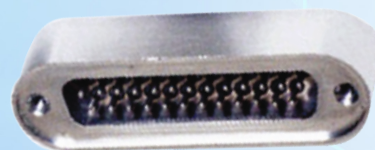
Features:

- Leak Rate of 1×10^{-7} cc Helium/sec or Less
- Fused Glass Insert In Stainless Steel Shell
- Operating Frequency: 0-500 MHz
- Insulation Resistance: 1000 M Ohms at 25°C
- Dielectric Withstanding Voltage: Center to Outer 500 VAC RMS at Sea Level



Epoxy-Sealed Features:

- Leak Rate Less Than 1×10^{-5} cc Helium/sec
- Same Epoxy As Used on EMI Filter Connectors
- Maintained After Temp Cycling, 5 Cycles -55°C to +125°C
- Custom Designs Available
- Epoxy Filled



Connector Options:

- Special Flanges, PC Board Mounting Stand-Offs
- PC Board Mounting Tails, EMI Filtering
- Through-Bulkhead Configurations, Crimp Termination

Applications:

- Aircraft/Shipboard/Submarine
- Space & Satellites/Systems
- Vacuum Chambers
- Nuclear Industry, Sensors
- Geophysical – Drilling & Sub Sea
- Under Water Electronics – Geo Marine
- Ground Vehicles & Many Others



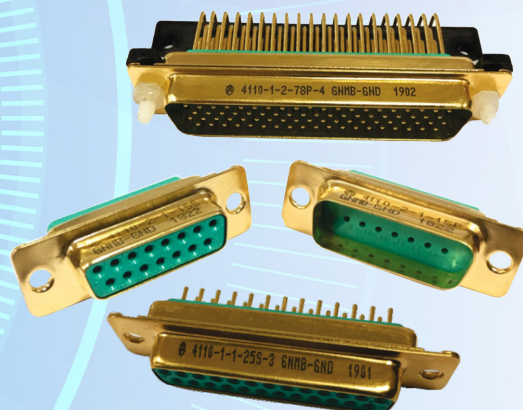
D-Sub Connectors & Micro-D Connectors

D-Sub Connectors (Straight PC Tail / Right Angle PC Tail / Crimp Type)

- Standard & High Density
- Contacts – MIL-Crimp
- Also Available in Solder Version & PCB Version
- Straight & Right Angles Pins (Only in PC Tail Solder Version)
- Mono-Block High Temperature Inserts
- Grommet Sealing Provision

Applications:

- Satellite, Rocket Avionics, Airplane Avionics
- Medical Equipment, Launch Vehicles
- Electronics Circuit Boards



Micro-D Connectors & Backshell

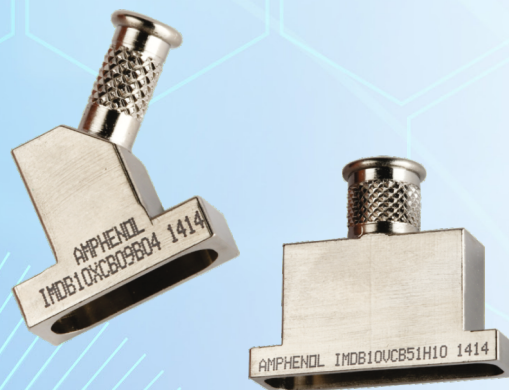
- 3 Amp Current Carrying Capacity In Small Envelope With 1.27 mm (.050") Contact Spacing, Micro-D Connectors Are Half The Size Of D-Sub Connectors, An Ideal Solution For Space Application
- Available From Size 9 To 100 As Per MIL-DTL-83513 Configuration
- Wire, Solder PCB Mount Type Available As Per MIL-DTL-83513 Layouts
- High Reliability Twist Pin Contact In Crimp, Solder & PCB Mount Version
- Wired Version Available As Per MIL-STD-681 Colour Code Chart
- Multiple Type Mounting Hardware As Per MIL-DTL-83513

Applications:

- Satellite, Rocket Avionics, Airplane Avionics
- Medical Equipment
- Launch Vehicles
- Electronics Circuit Boards

Micro D-Backshell

- Micro-D Aluminium Backshells for EMI Requirement
- The Backshell Are Available For Connector From 9 To 100 Position & Are Available In Straight, 45°, Dual 45, 90°
- Available In Circular Entry Sizes
- Supplied With Stainless Steel Hardware
- The Backshell Are Machined From Aluminium Alloy & Are Offered With Cadmium, Gold or Electroless Nickel Finish, Custom Finish Are Also Available
- Magnetic Permeability Less Than 2μ
- Shielding Efficiency to 1GHZ, 6 db- >100 db



Amphenol

Interconnect India Pvt. Ltd.

Manufacturing Locations

Corporate Office & Pune Factory
105, Bhosari Industrial Area, Pune - 411 026.
Tel.: 91-20-6736 0305
Fax : 91-20-6736 0321
Email: svpatil@amphenol-in.com

Bangalore Factory
61, Keonics Electronic City, Hosur Road,
Bangalore - 560 102.
Tel.: 91-6679 0900 /910 /937
Fax.: 91-80-2852 0418

Marketing Headquarters
Tel.: 91-20-6736 0303, 6736 0304
Fax : 91-20-6736 0321
Email : svpatil@amphenol-in.com

Western Region
Tel.: 91-20-6736 0334
Email : sunilp@amphenol-in.com

Northern & Eastern Region
A-421, Pacific Business Park,
Plot No. 37/1, Sahibabad Indst. Area
Site IV, Ghaziabad (UP) - 201 010.
Tel.: 91-120- 6513 781 /82 /83 /84
Email : sunily@amphenol-in.com

Marketing Locations

Southern Region
No. 1115, 22nd Main Road, 11th Cross,
Sector -1, HSR Layout, Bangalore - 560 102.
Tel.: 91-80-4953 0341, 4953 0345
Fax: 91-80-4953 8697
Email : kmanoj@amphenol-in.com

Central Region
No. 7-102/5, Unit 202, 2nd floor,
Ajay Chamber, Above ICICI Bank Habsiguda,
Hyderabad - 500 007.
Mobile: +91-74110 00739
Email : ranjitk@amphenol-in.com

Exports
Tel.: 91-20-6736 0371, 6736 0373
Email : shrikantgramopadhye@amphenol-in.com