



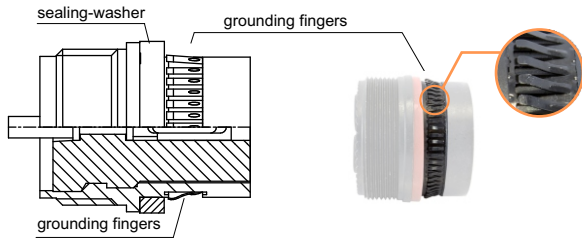
CIRCULAR & DATA

CONNECTORS

Moltec International is the proud supplier of Gimota precision and power supply connectors in North America. Various configurations and layouts are available to satisfy a range of application requirements including railway. Our connectors offer the highest level of safety and connection of high current feedings, conventional and electronic control systems, measuring probes of all kinds, analogue and digital data and signal transmission. Optional environmental seal ensures ingress protection of up to IP69K in accordance with IEC EN60529 / DIN40050. These quality connectors are being used by leading European railway manufacturers.

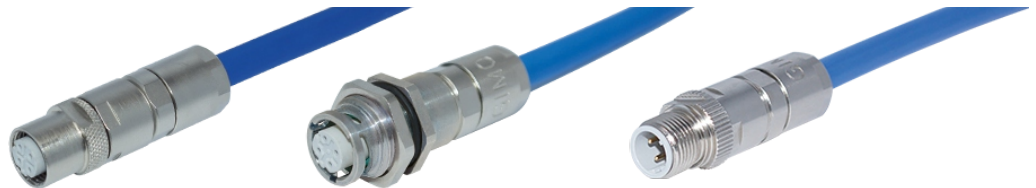
- MIL-DTL-5015 / VG95234
- Bayonet coupling (Thread coupling also available)
- Contact layouts for up to 85 contacts
- High mechanical loading capacity
- Aluminum alloy
- Surface treatment: Zinc-Cobalt / Epoxy Polyurethane / Electroless Nickel
- 360° EMI Shielding available
- Minimum lifespan: 500 mating cycles
- Resistant against fuels, grease and insulating oils
- ROHs





EMC Electromagnetic Compatibility

Shielding from electromagnetic interference is delivered through the use of grounding fingers. The spring contact ring guarantees optimal shielding with a 360° contact design for grounding. Shielding current is discharged over conductive surface treated connector shells.



M12 Series Connector

The design features of the commonly used industrial M12 connector have been modified to meet the specification needs of railway applications in accordance with EN 61076-2-101. The light weight M12 series connectors include cable plugs, receptacles and bulkheads which offer easy and reliable field assembly. Bayonet style connection is available for time-saving termination and protection against loosening due to vibration. Bulkhead connection is also available and has been specially designed to mate with both bayonet and M12 threaded connectors making mating to pre-existing connectors easy. Our connectors are used in broad range of devices in railway applications such as switches, cameras, PCB's, PIS/FIS/KIS, ethernet backbone and matrix displays.

- Very slim design ($\varnothing = 16\text{mm}$)
- 4* / 5* / 8 poles
- Field assembly possible
- Crimp contacts
- 360° EMI screened or unshielded version
- IP67 ingress protection according to IEC EN 60529
- Coding options
- Space saving 100° elbow design

