



SPEEDMASTER™

NEXT-GENERATION

SpeedMaster™ 10G

High-speed, repairable IFEC connection system

SpeedMaster 10G is purpose-designed to meet the performance requirements and installation and use preferences for the aerospace industry. Optimized for high-speed Cat 6A Ethernet performance, the SpeedMaster 10G system offers industry-leading NEXT, return loss and insertion loss performance due to its highly-engineered isolation and separation architecture. Easy to assemble, terminate, install and repair, the SpeedMaster 10G utilizes size #22D contacts, tools, and cable, and meets the broad range of aerospace industry requirements for vibration, temperature cycling, durability, and safe, reliable performance. Applications include defense, aircraft electronics—military and commercial, inflight entertainment, medical equipments, rail electronics systems, industrial equipment and industrial automation/robotics.

- Utilizes aerospace industry standard #22D contacts, tools and widely available Ethernet flight cable
- Fast, easy termination
- Significant weight reduction compared to Quadrax solutions (reduces cable requirement by ½)
- High-density, repairable solution—ideally suited for today's networked IFEC environments



Mighty Mouse Locking Push/Pull Plug and Receptacle



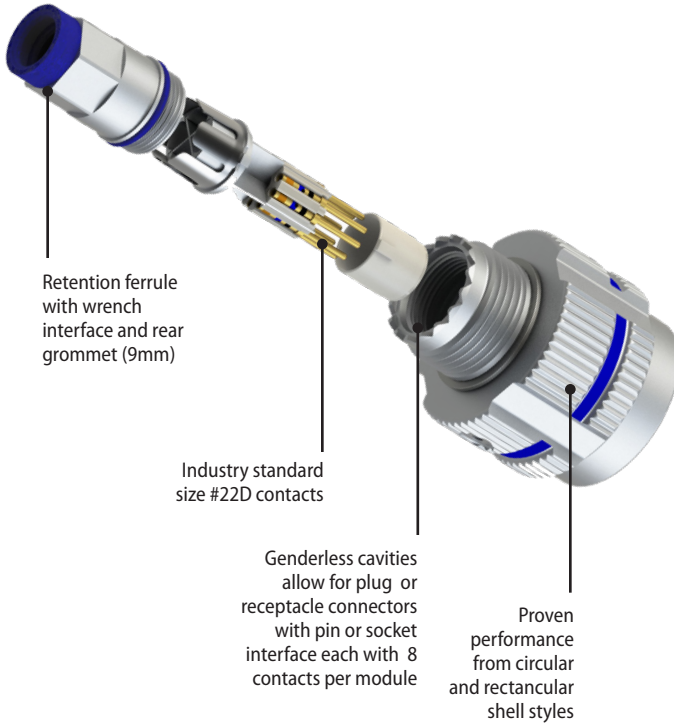
HiPer-D Rectangular (M24308)



SuperNine Plug and Receptacle



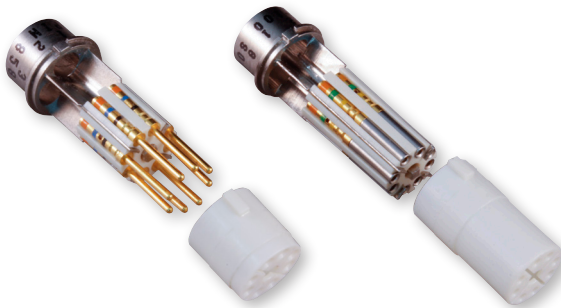
NEXT-GENERATION
SpeedMaster™
10G high-speed contacts
Repairable IFEC Connection System



The SpeedMaster Difference

SpeedMaster, the high-speed multi-contact solution for the Mighty Mouse, HiPer-D and SuperNine 38999 type family of connectors. Each SpeedMaster module consists of 4 pairs of pins or sockets incorporating industry standard size 22D contacts to provide 10G performance. Each module is individually shielded within the shell, and retained in place with a threaded ferrule. Additionally, module cavities are genderless allowing pin or socket interface for plugs or receptacles. Glenair offers these SpeedMaster contacts in 3 connector packages, including our small form factor Mighty Mouse Series 824 Locking Push/Pull, HiPer-D (M24308) hi-performance rectangular D-Sub, and our 38999 type “better than QPL” connectors allowing you to adapt and fit your application needs. These features result in a two fold benefit. An easily removable and repairable, shielded high performance contact packaged within robust industry standard connectors, helping to reduce network downtime and providing a connectorized solution to improve the overall network function and performance. Meet the demand for the next generation Cat 6A networks with SpeedMaster, the next generation contact system from Glenair.

SPEEDMASTER 10G NEXT-GENERATION IFEC CONNECTION SYSTEM



SpeedMaster 10G modular inserts are available for Series 23 SuperNine – 38999, Series 80 Mighty Mouse – Locking Push / Pull and Series 28 HiPer-D – M24308 rectangular D-Sub connectors



The SpeedMaster 10G is optimized for high-speed ethernet performance and incorporates standard M39029 #22D contacts isolated for superior NEXT, return loss and insertion loss performance