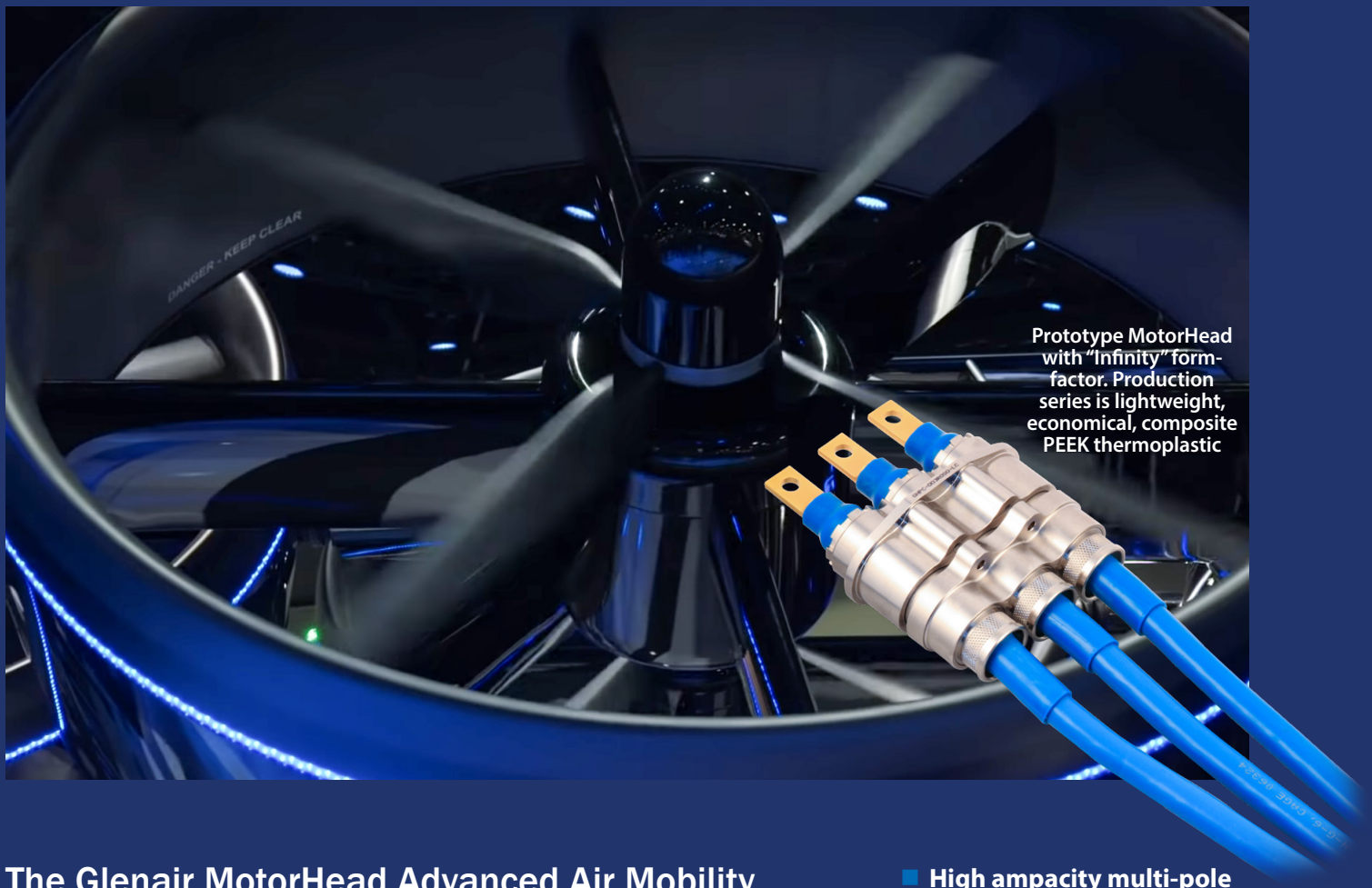
ELECTRICAL POWER PROPULSION SYSTEM

CONNECTORS, CABLES, AND ACCESSORIES

MotorHead™

Advanced Air Mobility Connectors

Low-profile, lightweight PEEK construction



Prototype MotorHead with "Infinity" form-factor. Production series is lightweight, economical, composite PEEK thermoplastic

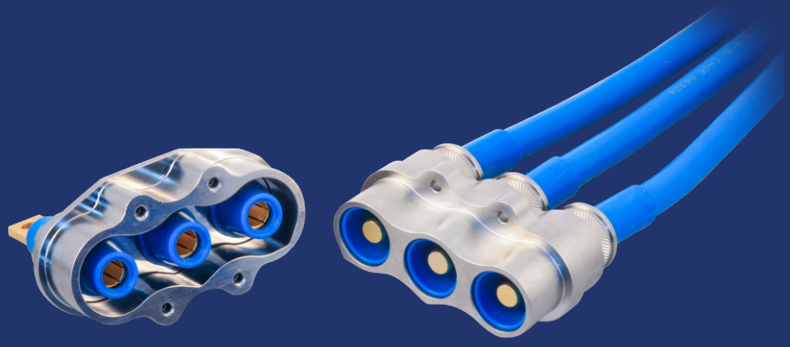
The Glenair MotorHead Advanced Air Mobility connector is a low-profile, economical high-voltage solution for eVTOL advanced air mobility electric motor, inverter, and production break applications. The MotorHead connector solution is built around individually-shielded TurboFlex cable, high-temperature Crown Ring contacts, and an easy-to-install Autoshrink insulator. Available packaging includes lightweight composite PEEK multi-pole design and "Better than QPL" SuperNine circulars for discrete power line interconnection. Termination and assembly process saves time and labor.

- **High ampacity multi-pole series with Autoshrink insulator for reduced assembly and labor**
- **2500 VAC working voltage**
- **Crown Ring contacts: crimp-removable, low insertion force**
- **High current, low resistance, superior vibration resistance**
- **Safe-touch finger proofing**
- **TurboFlex-compatible**
- **Support for busbar and other wire terminations**
- **Range of multi-pin insert arrangements for size 8, 4, 2, 1/0, 2/0, 4/0 contacts**

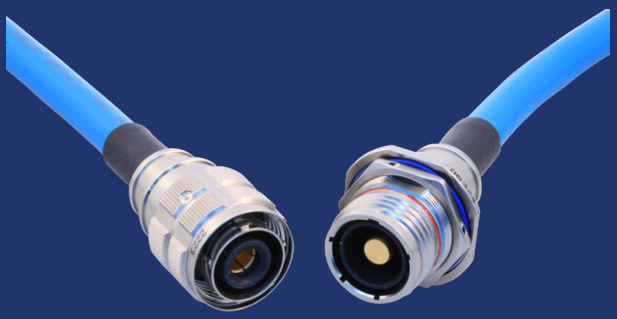
LOW-PROFILE

MotorHead High-Power Connector for Electric Motor Power Applications

BATTERY PLANT-TO-INVERTER-TO-ELECTRIC MOTOR CONNECTORS AND CABLES FOR eVTOL POWER DISTRIBUTION AND PROPULSION APPLICATIONS

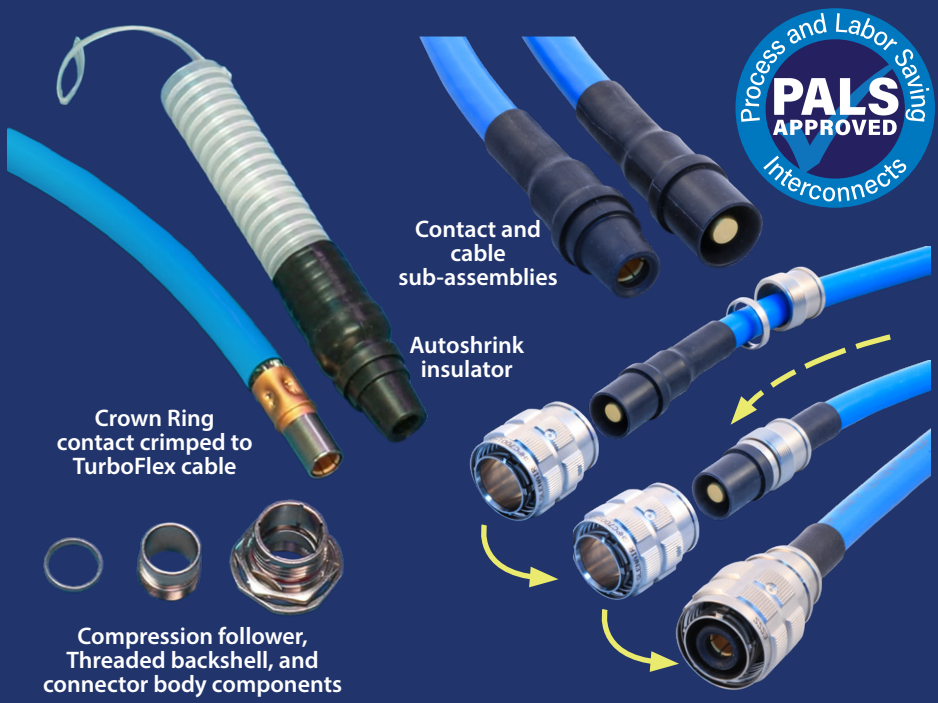


MotorHead in low-profile motor-mount design—Glenair Signature "Infinity" form-factor—supplied in lightweight composite PEEK for optimized SWaP



MotorHead MIL-DTL-38999 Series III type form-factor for discrete power line applications

MOTORHEAD IS A PALS-APPROVED ASSEMBLY PROCESS AND LABOR SAVING INTERCONNECT SERIES



1. **Crown Ring contact is crimp-terminated to appropriate gauge of TurboFlex cable**
2. **Autoshrink insulator is positioned and recovered over the contact and cable**
3. **Contact and cable sub-assembly is installed in the connector body and secured in place with follower and shield termination backshell**

GLENAIR SIGNATURE CROWN RING CONTACTS

- **Crimp, bus bar, and lug wire termination**
- **Precision-machined high conductivity copper alloy**
- **Up to 60% lower contact resistance than equivalent AS39029 contacts**
- **Higher operating temperature resistance compared to other specialized high-power contacts**
- **Gold-plated for enhanced high-vibration durability**