

OPTIMIZED
FOR USE WITH

turboflex
THE ULTRA FLEXIBLE RUGGED POWER CABLE

MotorHead™

Advanced Air Mobility Connectors

Low-profile, high-durability power
connector with low-labor-cost assembly



Prototype mated pair MotorHead with "Infinity" form-factor. Production series is lightweight composite thermoplastic or aluminum.

The Glenair MotorHead Advanced Air Mobility connector is a low-profile, 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-ampacity contacts, and an easy-to-install Autoshrink insulator. Available materials include lightweight composite thermoplastic and aluminum. Both D38999 circular and innovative rectangular connector packaging options are available. 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
- High-ampacity 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



Life-of-system durability · fast, low-labor-cost assembly

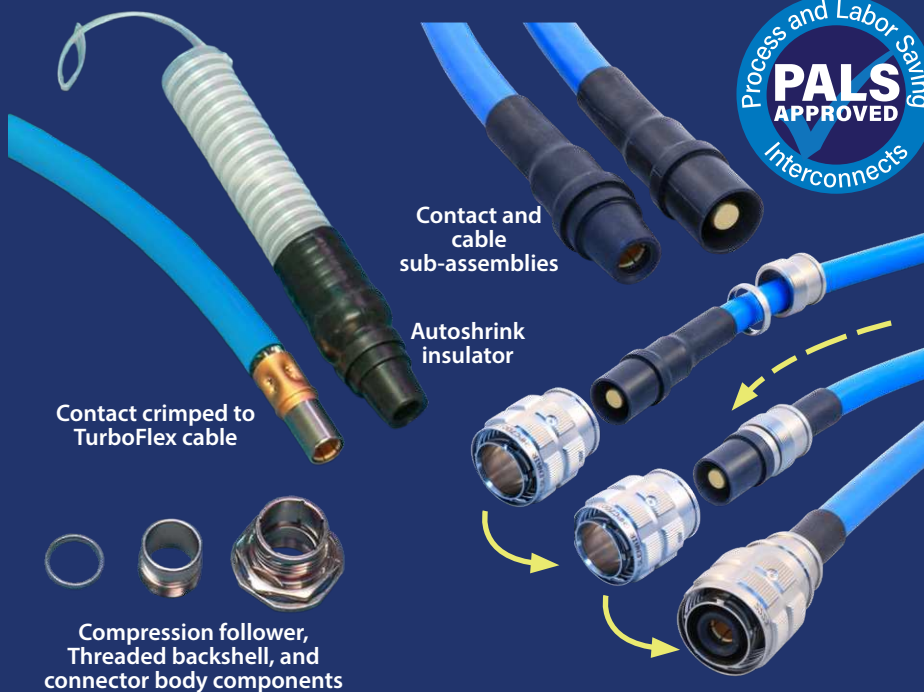
BATTERY PLANT-TO-INVERTER-TO-ELECTRIC MOTOR CONNECTORS AND CABLES FOR eVTOL POWER DISTRIBUTION AND PROPULSION APPLICATIONS



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. 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 HIGH-AMPACITY CONTACTS



- Crimp, bus bar, and lug wire termination
- Range of contact options including Crown Ring, LouverBand, or standard 39029 crimp
- Contact options allow for exact alignment of electrical and application requirements
- All contact designs utilize premium-quality materials and offer life-of-system durability and mating performance

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