

## Rugged, life-of-system durability

### POWERPLAY SIGNATURE HIGH-POWER CONNECTOR SELECTION GUIDE



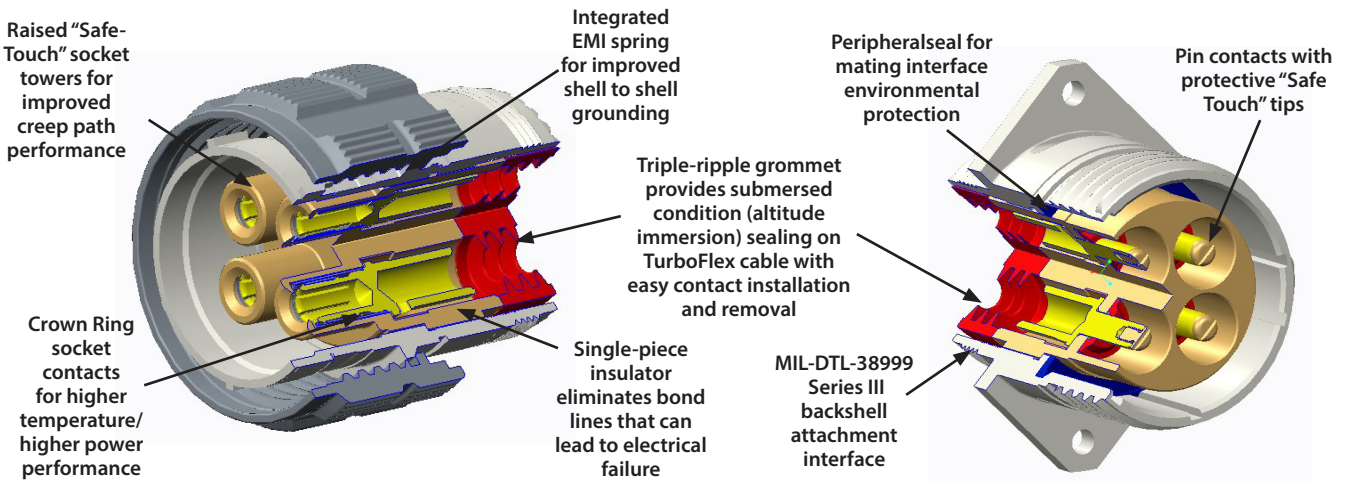
SuperNine Series III  
PowerPlay Triple-Start

SuperNine Series I  
PowerPlay Bayonet

Series 806 Mil-Aero  
PowerPlay High Density

Micro-Crimp  
PowerPlay Rectangular

### PowerPlay™: KEY CONNECTOR AND CONTACT DESIGN FEATURES, PLUG AND RECEPTACLE CUTAWAY VIEWS



Raised "Safe-Touch" socket towers for improved creep path performance

Integrated EMI spring for improved shell to shell grounding

Peripheral seal for mating interface environmental protection

Pin contacts with protective "Safe Touch" tips

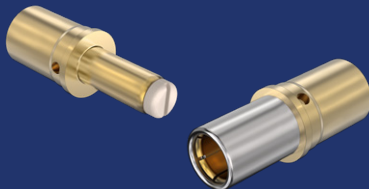
Crown Ring socket contacts for higher temperature/higher power performance

Triple-ripple grommet provides submersed condition (altitude immersion) sealing on TurboFlex cable with easy contact installation and removal

MIL-DTL-38999 Series III backshell attachment interface

Single-piece insulator eliminates bond lines that can lead to electrical failure

### GLENAIR SIGNATURE CROWN RING CONTACTS



- High vibration-resistant, high-conductivity gold-plated copper alloy. Socket contact adds stainless steel Crown Ring; pin contact adds thermoplastic finger-safe tip
- Up to 60% lower contact resistance than equivalent AS39029 contacts
- High operating temperature resistance compared to other specialized high-power contacts

### TURBOFLEX® ULTRA FLEXIBLE / RUGGED POWER CABLES WITH DURALECTRIC JACKETING

TurboFlex high-flexibility power cabling is optimized for use with PowerPlay connectors and is supplied with Glenair signature Duralectric jacketing material for rugged fluid immersion, caustic chemical exposure, temperature extremes, and UV radiation. Duralectric is available in a broad range of colors including safety orange. Two cable core constructions are supplied: TurboFlex M with AS22759-type conductors, and TurboFlex R with ultra-flexible rope-lay conductors.



Available with cable gauge selections from 8 AWG to 4/0, to provide suitable margins for DWV, frequency derating, and peak-load electrical performance.

#### DURALECTRIC JACKETING

Abrasion Resistance	Good
Wear Resistance	Good
Flame Resistance	Excellent
Sunlight Resistance	Excellent
Flex Resistance	Excellent