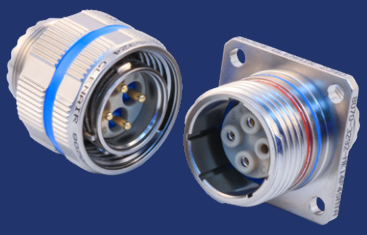
SERIES 806 MIL-AERO HIGH-DENSITY POWERPLAY

PowerPlay™

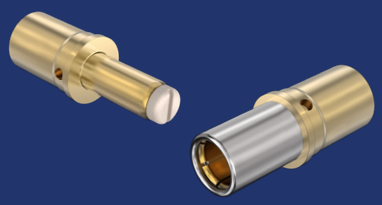
- **Series 806 Mil-Aero Raised Tower Architecture**
- **High-Temperature Crown Ring Contacts**
- **Compatible TurboFlex Cabling**



Series 806 Mil-Aero PowerPlay high density with hybrid insert arrangements for both high- and and low-power requirements. Available interlock (last-mate / first-break).

- **High-density insert arrangements, reduced size and weight compared to SuperNine Series I and III PowerPlay**
- **Available size #22D contact arrangements for interlock applications**
- **Support for both Crown Ring power socket contacts and standard-duty power contacts (size #8) for non-propulsion requirements**
- **Triple-start stub ACME high vibration and shock mating IAW MIL-DTL-38999 Series III**
- **Raised tower "safe-touch" architecture**
- **Crown Ring contact / TurboFlex cable support for #16 and #12 contacts**

HIGH-TEMPERATURE TOLERANT CROWN RING CONTACTS



Glenair Signature Crown Ring contact series

provides reduced contact resistance, superior conductivity, and higher temperature-tolerance than conventional AS39029 contacts and specialized high-power contacts from other manufacturers

- Maximum operating temperature 260°C
- Superior conductivity performance compared to beryllium copper contacts, across full temperature range
- Up to 60% lower contact resistance than AS39029 contacts (normalized, less wire)
- Contact bodies made from high conductivity copper alloy (approximately 95% IACS)
- Pin contact equipped with thermoplastic safe-touch tip
- Stainless steel Crown Ring
  - Provides socket forces without stress relaxation at High-Temperatures
  - Moves socket spring function from socket body to ring, allowing use of high-conductivity copper
- Gold over nickel plating
  - Thicker plating than industry standards for reduced contact fretting and higher temperature endurance
  - Gold over nickel is "gold standard" for high-reliability aerospace contacts
- Crimp versions use standard industry tooling, including crimp die/locator and insertion/extraction tools (2AWG Crown Ring contacts require custom tooling)

ABOUT TURBOFLEX "M" AND TURBOFLEX "R" CABLE CONSTRUCTION

TurboFlex cables are jacketed with Duralectric insulation, which contributes to the flexibility of the product. TurboFlex R (rope-lay core) provides maxiumum flexibility. TurboFlex M (M22759 core) has a slightly larger bend radius but far superior flexibility compared to standard M22759 cable.

TurboFlex R with rope-lay cable construction

TurboFlex M with M22759 cable construction

TURBOFLEX AND SR. 806 MIL-AERO POWERPLAY CONNECTOR, CONTACT, AND CABLE ECOSYSTEM									
		TurboFlex M with M22759 cable construction					TurboFlex R with Rope-Lay cable construction		
Cable Type		Single-Wall TurboFlex M Cable	Dual-Wall Turboflex M Shielded Cable	Single-Wall TurboFlex M, Shield + Fabric Overbraid	Single-Wall TurboFlex M Cable	Dual-Wall Turboflex M Shielded Cable	Single-Wall TurboFlex R Cable	Dual-Wall TurboFlex R Cable	Single-Wall TurboFlex R Cable
Part No.		967-600	967-601	967-602	967-022	967-024	961-106-2000	961-107-2000	961-108-2000
Insulation / Jacket / Shield Type		Duralectric D Insulation	Duralectric D Insulation / Jacket, EMI Shield	Duralectric D Insulation EMI Shield Fabric Overbraid	Duralectric L Insulation	Duralectric L Insulation / Jacket, EMI Shield	Duralectric D Insulation	Duralectric D Insulation / Jacket	Duralectric L Insulation
VAC Rating		725–2875	725–2875	725–2875	2000	2000	2000	2000	2000
Gauge AWG	Typical Current (A)	✓ = Available Gauges					✓ = Available Gauges		
22	8–18	✓	✓	✓					
16	15–35	✓	✓	✓					
12	30–70	✓	✓	✓					
8	55–135	✓	✓	✓	✓	✓	✓	✓	✓