



## Series 806 PowerPlay high-density Overview and insert arrangements

### SAVE SIZE AND WEIGHT WITH SERIES 806 VERSUS D38999

Series 806 Mil-Aero is the Glenair micro miniature circular series offering significant size and weight savings while meeting key performance benchmarks for a broad range of applications such as commercial and military aerospace, industrial robotics, and transportation systems. Designed for general use in harsh vibration, shock, and environmental settings—as well as high-altitude, unpressurized aircraft zones with aggressive voltage ratings and altitude immersion standards—the Series 806 Mil-Aero features numerous mechanical design innovations including durable mechanical insert retention, radial seals and triple-ripple grommet seals. Its reduced thread pitch and re-engineered ratchet prevent decoupling problems, particularly in small shell sizes, solving one of the major problems of shell size 9 and 11 MIL-DTL-38999 Series III connectors. PowerPlay versions of the Series 806 leverage all of these performance and design advantages, combined with support for PowerPlay contacts, safe-touch inserts, and TurboFlex cable.

- Next-generation small form factor aerospace-grade circular connector
- Designed for general use in harsh application environments such as aircraft, industrial robotics and more
- Upgraded environmental, electrical, and mechanical performance
- Integrated anti-decoupling technology
- Higher density 20HD and 22HD contact arrangements
- New PowerPlay designs with hybrid insert arrangements for standard and high-power applications



SERIES 806 POWERPLAY SHELL INSERT / CONTACT ARRANGEMENTS (FRONT PIN ARRANGEMENT SHOWN, SOCKET ARRANGEMENT IS REVERSED)			#22HD	#16	#12	#8
<p><b>11P1</b> 1x Size 12</p>	<p><b>14P4</b> 4x Size 16</p>	<p><b>16P2</b> 2x Size 12</p>				
<p><b>18P4</b> 4x Size 12</p>	<p><b>18P8</b> 4x Size 16 4x Size 22HD (Interlock)</p>	<p><b>20P2</b> 2x Size 8</p>				