

COMPATIBLE WITH

SpeedLine
Controlled-Impedance Cables

SERIES
806
MIL-AERO

Advanced performance,
reduced size and
weight connector series
IAW MIL-DTL-38999



Series 806 meets key performance benchmarks for harsh vibration, shock, and environmental settings—as well as high-altitude, unpressurized aircraft zones with aggressive voltage ratings and altitude immersion standards.



Series 806 with four 10GbE El Ochito channels

El Ochito[®]

- Next-generation micro miniature aerospace-grade circular connector
- Upgraded environmental, electrical and mechanical performance IAW MIL-DTL-38999 Series III
- Integrated anti-decoupling technology
- High-Speed El Ochito[®] and hybrid #22HD contact arrangements

SERIES 806 MIL-AERO CONNECTORS WITH EL OCHITO[®] CONTACTS



White
GbE
10GbE



Blue
USB 3.0



Red
HDMI, SATA,
DisplayPort

- 10GbE, SuperSpeed USB 3.0, HDMI and DisplayPort
- Crimp shield termination and threaded contact types
- Snap-in, rear release
- Environmentally protected

HIGH-SPEED Series 806 Mil-Aero Micro Miniature Circular Connectors



With El Ochito® octaxial contacts

Series 806 with El Ochito® contact arrangements

<p>Contact Key</p>				
Insert Arrangement	10-1	14-20A	16-2	16-22
No. of Contacts	1x #8	1x #8 19x #22HD	2x #8	2x #8 20x #22HD
<p>Contact Key</p>				
Insert Arrangement	18-3	18-21	20-4	20-28
No. of Contacts	3x #8	3x #8 18x #22HD	4x #8	4x #8 24x #22HD
<p>Contact Key</p>				
Insert Arrangement	22-5	22-44	24-8	24-97
No. of Contacts	5x #8	4x #8 40x #22HD	8x #8	4x #8 93x #22HD

Polarizing Positions				
Position	A°	B°	C°	D°
A	105	140	215	265
B	102	170	248	305
C	80	150	230	295
D	68	140	205	275
E	64	155	234	304
F	72	120	200	298

RECOMMENDED BACKSHELLS



320V*030 • 440V*233 • 620VS090
440VS232 • 443V*042

FEATURES

- Triple-start stub ACME mating thread
- El Ochito® Octaxial and hybrid high density #22HD arrangements for reduced size / weight and high-speed performance
- Aerospace-grade materials, construction, and performance

CONNECTOR CONSTRUCTION

- Shell and coupling nut: aluminum or stainless steel
- Contacts: copper alloy, gold plating
- Wire grommet: fluorosilicone
- Dielectric inserts: high grade rigid dielectric
- Peripheral seal: fluorosilicone
- Ground spring: copper alloy, nickel plating
- Contact retention clips: copper alloy
- Ratchet springs: stainless steel, passivated
- Retainer rings: stainless steel, passivated
- Clinch nuts: stainless steel, passivated

