NEXT-GENERATION
HIGH-SPEED
MICRO
MINIATURE
CONNECTORS

SERIES 806 MIL-AERO

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

SERIES 806 MIL-AERO CONNECTORS WITH EL OCHITO® CONTACTS

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

White	Blue	Red
GbE 10GbE	USB 3.0	HDMI, SATA, DisplayPort

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**

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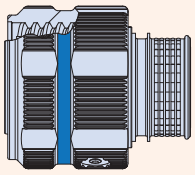
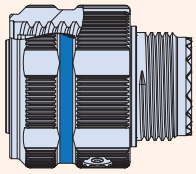
Series 806 Mil-Aero Micro Miniature Circular Connectors

with El Ochito® octaxial contacts



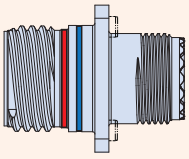
Shell Style B
Nano Band Platform



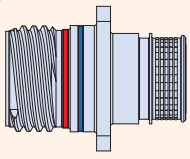
Shell Style M
Metric Accessory Thread

How To Order Series 806 El Ochito® Plugs

SAMPLE PART NUMBER	806-012	-ME	18-3	S	M	A
Product	**806-012** = Cable Plug					
Shell Material and Finish	**ME** = Aluminum, Electroless Nickel **MT** = Aluminum, Ni/PTFE **ZR** = Aluminum, Black Zinc-Nickel **NF** = Aluminum, Olive Drab Cadmium **Z1** = Stainless Steel, Passivated					
Arrangement Number (Shell Size - Insert Arr.)	See Contact Arrangements Table					
Contact Type	Connector supplied without contacts **A** = Pin **B** = Socket					
Shell Style	**M** = Metric accessory threads **B** = Nano Band platform					
Polarizing Position	**A B C D E F**					



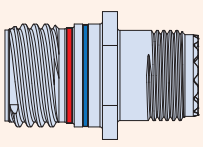
Style M
Metric Accessory Thread



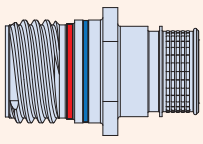
Style B
Nano Band Platform

How To Order Series 806 El Ochito® Square Flange Receptacles

SAMPLE PART NUMBER	806-013	-MT	18-21	P	B	C	A
Product	**806-013** = Panel Receptacle, Square Flange, Crimp						
Shell Material and Finish	**ME** = Aluminum, Electroless Nickel **MT** = Aluminum, Ni/PTFE **ZR** = Aluminum, Black Zinc-Nickel **NF** = Aluminum, Olive Drab Cadmium **Z1** = Stainless Steel, Passivated						
Arrangement Number (Shell Size - Insert Arr.)	See Contact Arrangements Table						
Contact Type	Connector supplied without contacts **A** = Pin **B** = Socket						
Shell Style	**M** = Metric accessory threads **B** = Nano Band platform						
Mounting Hole Style	**T** = Thru holes **C** = Clinch nut, #4-40 (rear panel mounting)						
Polarizing Position	**A B C D E F**						



Shell Style M
Metric Accessory Thread



Shell Style B
Nano Band Platform

How To Order Series 806 El Ochito® In-Line Receptacles

SAMPLE PART NUMBER	806-019	-MT	18-21	P	B	A
Product	**806-019** = In-Line Receptacle					
Shell Material and Finish	**ME** = Aluminum, Electroless Nickel **MT** = Aluminum, Ni/PTFE **ZR** = Aluminum, Black Zinc-Nickel **NF** = Aluminum, Olive Drab Cadmium **Z1** = Stainless Steel, Passivated					
Arrangement Number (Shell Size - Insert Arr.)	See Contact Arrangements Table					
Contact Type	Connector supplied without contacts **A** = Pin **B** = Socket					
Shell Style	**M** = Metric accessory threads **B** = Nano Band platform					
Polarizing Position	**A B C D E F**					

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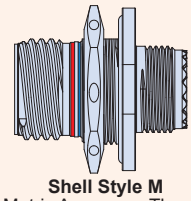
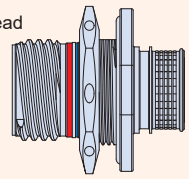
Series 806 Mil-Aero Micro Miniature Circular Connectors

with El Ochito® octaxial contacts



Shell Style M
Metric Accessory Thread



Shell Style B
Nano Band Platform

How To Order Series 806 El Ochito® Jam Nut Receptacles

SAMPLE PART NUMBER **806-020**	**-MT**	**18-21**	**P**	**B**	**A**
Product	**806-020** = Jam Nut Receptacle				
Shell Material and Finish	**ME** = Aluminum, Electroless Nickel **MT** = Aluminum, Ni/PTFE **ZR** = Aluminum, Black Zinc-Nickel **NF** = Aluminum, Olive Drab Cadmium **Z1** = Stainless Steel, Passivated				
Arrangement Number (Shell Size - Insert Arr.)	See Contact Arrangements Table				
Contact Type	Connector supplied without contacts **A** = Pin **B** = Socket				
Shell Style	**M** = Metric accessory threads **B** = Nano Band platform				
Polarizing Position	**A B C D E F**				

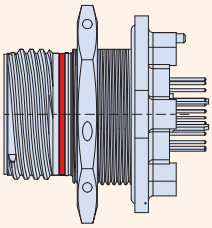
Table VI - Ochito Contact Positions

B = Blue, R = Red, W = White

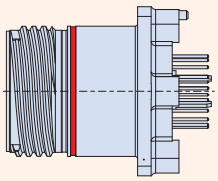
SYM	El Ochito Contact Designator							
	A	B	C	D	E	F	G	H
E	W	W	W	W	W	W	W	W
E2	B	W	W	W	W	W	W	W
E3	R	W	W	W	W	W	W	W
E4	B	B	W	W	W	W	W	W
E5	R	B	W	W	W	W	W	W
E6	R	R	W	W	W	W	W	W
E7	B	B	B	W	W	W	W	W
E8	R	B	B	W	W	W	W	W
E9	R	R	B	W	W	W	W	W
E10	R	R	R	W	W	W	W	W
E11	B	B	B	B	W	W	W	W
E12	R	B	B	B	W	W	W	W
E13	R	R	B	B	W	W	W	W
E14	R	R	R	B	W	W	W	W
E15	R	R	R	R	W	W	W	W
E16	B	B	B	B	B	W	W	W
E17	R	B	B	B	B	W	W	W
E18	R	R	B	B	B	W	W	W
E19	R	R	R	B	B	W	W	W
E20	R	R	R	R	B	W	W	W
E21	R	R	R	R	R	W	W	W
E22	B	B	B	B	B	B	W	W
E23	R	B	B	B	B	B	W	W
E24	R	R	B	B	B	B	W	W
E25	R	R	R	B	B	B	W	W
E26	R	R	R	R	B	B	W	W
E27	R	R	R	R	R	B	W	W
E28	R	R	R	R	R	R	W	W
E29	B	B	B	B	B	B	B	W
E30	R	B	B	B	B	B	B	W
E31	R	R	B	B	B	B	B	W
E32	R	R	R	B	B	B	B	W
E33	R	R	R	R	B	B	B	W
E34	R	R	R	R	R	B	B	W
E35	R	R	R	R	R	R	B	W
E36	R	R	R	R	R	R	R	W
E37	B	B	B	B	B	B	B	B
E38	R	B	B	B	B	B	B	B
E39	R	R	B	B	B	B	B	B
E40	R	R	R	B	B	B	B	B
E41	R	R	R	R	B	B	B	B
E42	R	R	R	R	R	B	B	B
E43	R	R	R	R	R	R	B	B
E44	R	R	R	R	R	R	R	B
E45	R	R	R	R	R	R	R	R

How To Order Series 806 El Ochito® PCB Receptacles

SAMPLE PART NUMBER **806-039**	**-MT**	**14**	**E**	**–**	**20A**	**P**		**A**
Product	**806-039** = Jam Nut **806-040** = Square-Flange							
Shell Material and Finish	**ME** = Aluminum, Electroless Nickel **MT** = Aluminum, Ni/PTFE **ZR** = Aluminum, Black Zinc-Nickel **NF** = Aluminum, Olive Drab Cadmium **Z1** = Stainless Steel, Passivated							
Shell Size	**10**, **14**, **16**, **18**, **20**, **22**, **24**							
Contact Type	See Table VI							
Ground Option	**G** = Common Ground **–** = None							
Contact Arrangement Number	See Contact Arrangements Table							
Contact Gender	**P** = Pin **S** = Socket							
Panel Mount Thru-Hole Style	(for 806-040 square-flange only) **T** = Thru-Hole **C** = Clinch Nuts for Rear Panel Mount **Omit** for 806-039 Jam Nut							
Polarizing Position	**A B C D E F**							



806-039
Jam-Nut



806-040
Square-Flange

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