

806-091 Series 806 Mil-Aero PowerPlay Plug Connector

SERIES 806 MIL-AERO POWERPLAY HIGH DENSITY



MATERIAL/FINISH

- Shell: Al alloy or CRES / see How to Order table
- Insulators: high grade rigid dielectric
- Interfacial seal, grommet: fluorosilicone blend
- Contact: copper alloy / gold plate

NOTES

- Blue color band indicates rear release retention system.
- See Series 806 catalog for contact termination tools.
- 14P4 pin insert arrangement shown for reference only, see Dimensions table for available arrangements.
- This plug connector mates with power receptacle connector 806-092 and 806-093 with same polarization and opposite contact gender.
- "P" & "S" contact types supplied with standard crimp contacts, see Contact Part Numbers table. "H" contact type supplied with special Crown Ring power socket contacts (REF: 850-305) "H" contact type not available for size #8 or #22HD contact arrangements.
- Terminate shield with Glenair BandMaster ATS tool 601-108 and Glenair nanoband.
- Groove for use with overmold strain relief or 809-060 heat shrink boots.
- #22HD interlock contacts are last to mate and first to break.

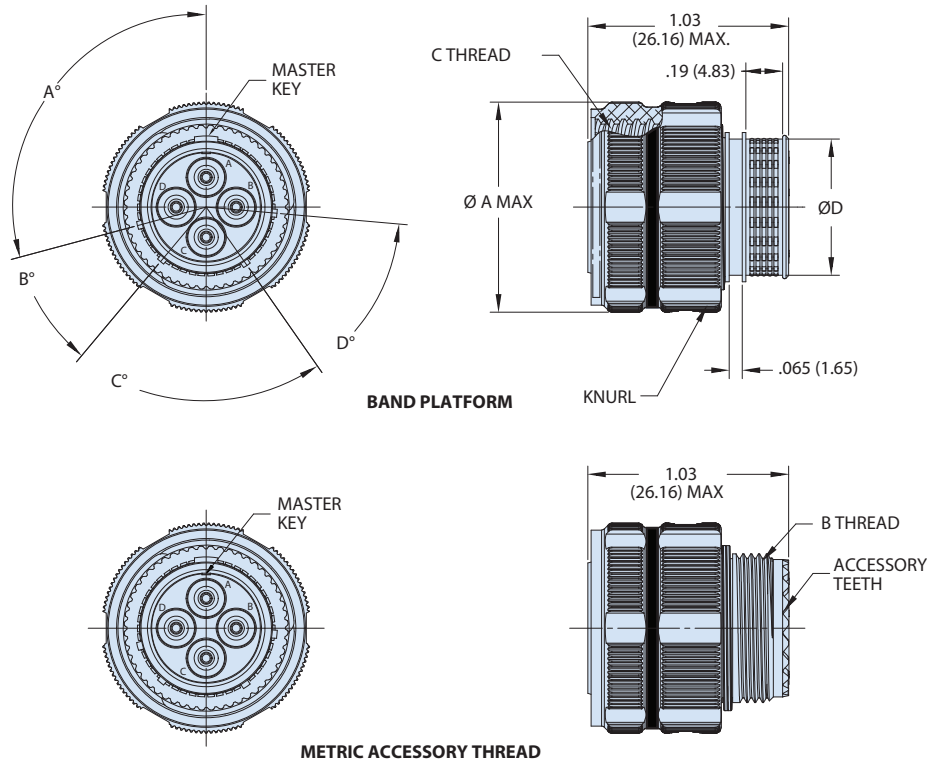
HOW TO ORDER	
Sample Part Number	806-091 -ME 14P4 P B A
Basic Part Number	Series 806 Mil-Aero PowerPlay Plug
Material and Finish	NF = Aluminum Alloy, O.D. CAD Over Electroless Nickel MT = Aluminum alloy, Nickel-PTFE ME = Aluminum Alloy, Electroless Nickel ZR = Aluminum Alloy, Black Zinc-Nickel TZ = Aluminum Alloy, Tin Zinc Z1 = Stainless Steel, Passivated ZL = Stainless Steel, Electro-Deposited Nickel
Shell Size / Insert Arrangement	See Shell Insert/Contact Arrangement tables
Contact Type	Standard Contacts Power Contacts P = Pin S = Socket H = Power socket Less Contacts A = Pin type, less contacts B = Socket type, less contacts
Shell Style	M = Metric (accessory thread) B = Band platform (for attaching cable shield)
Polarization Key Code Way	A, B, C, D, E, F (See Polarization Key Code table)

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

806-091 Series 806 Mil-Aero PowerPlay Plug Connector

SERIES 806 MIL-AERO POWERPLAY HIGH DENSITY

DIMENSIONS



Size / Arrangements	Contacts	Ø A Max	B Thread	C Mating Thread	Ø D
11P1	1X #12	0.890 (22.61)	M15x1.0-6g-.100R	.6875-.067P-.2L-TS-2B	0.527 (13.39)
14P4	4X #16	1.110 (28.19)	M19 X 1.0-6g-.100R	.875 -.067P-.2L-TS-2B	0.681 (17.30)
16P2	2X #12	1.170 (29.72)	M22 X 1.0-6g-.100R	1.000 -.067P-.2L-TS-2B	0.782 (19.86)
18P4	4X #12	1.350 (34.29)	M25 X 1.0-6g-.100R	1.125 -.067P-.2L-TS-2B	0.899 (22.83)
18P8	4X #16 4X #22HD	1.350 (34.29)	M25 X 1.0-6g-.100R	1.125 -.067P-.2L-TS-2B	0.899 (22.83)
20P2	2X #8	1.470 (37.34)	M28 X 1.0-6g-.100R	1.250 -.067P-.2L-TS-2B	1.043 (26.49)

POLARIZATION KEY CODE				
Pos.	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°

CONTACT PART NUMBERS [REF]			
Contact Size	Pin	Std Socket	Power Socket
#8	850-159	850-158	N/A
#12	850-356-12	809-113	850-305-12
#16	850-356-16	809-111	850-305-16
#22HD Interlock	850-094-1	850-095-1	N/A