

806-093 Series 806 Mil-Aero PowerPlay Jam-Nut Receptacle 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

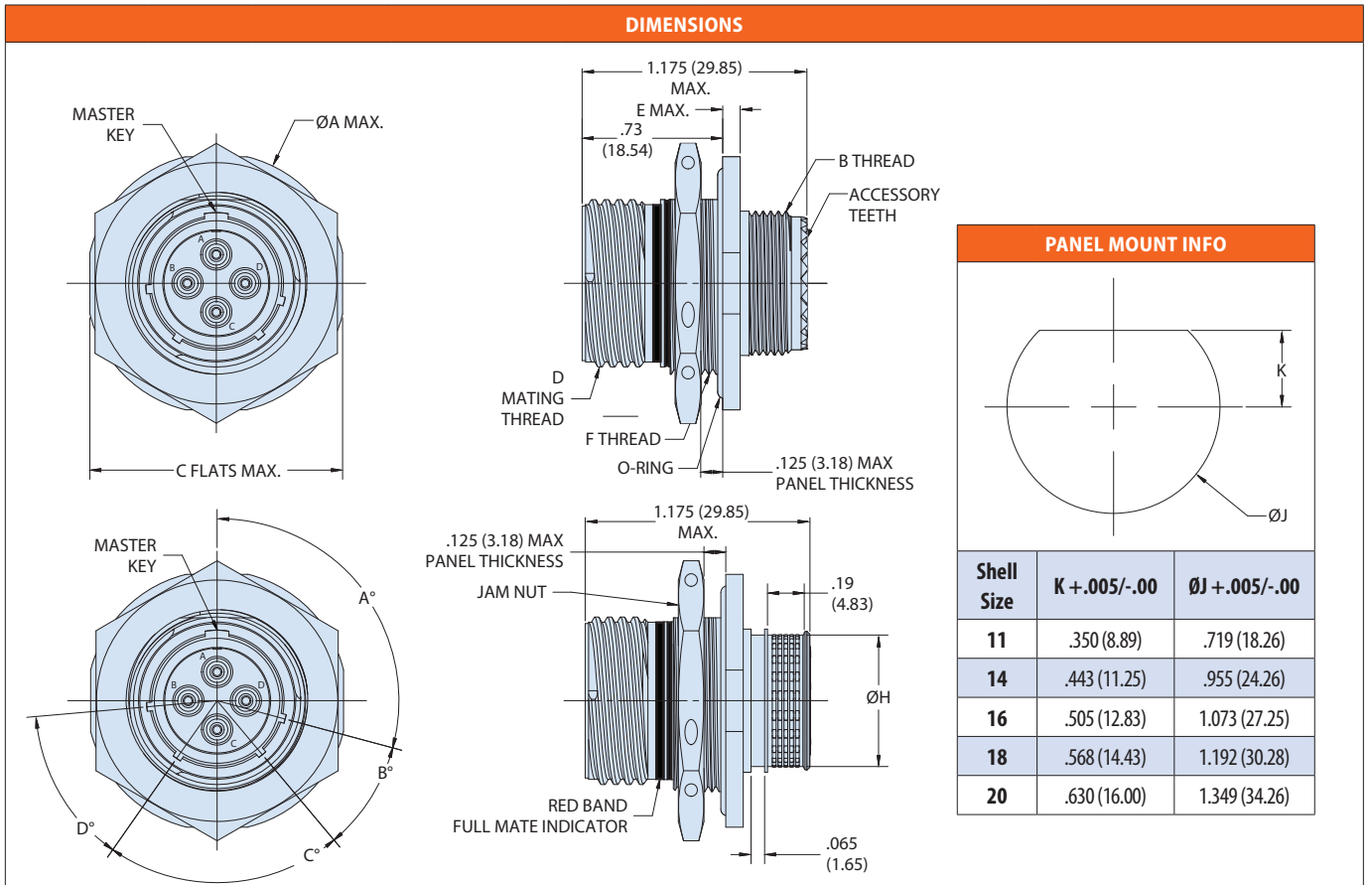
- Blue color band indicates rear release retention system.
- See Series 806 catalog for contact termination tools.
- 14P4 socket insert arrangement shown for reference only, see Dimensions table for available arrangements.
- This receptacle connector mates with power plug connector 806-091 with same 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). Note: "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	806-093 -ME 14P4 P B A
Basic Part Number	Series 806 Mil-Aero, Jam Nut Receptacle Connector
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 Arrangements Table
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)		
11P1 1x Size 12	14P4 4x Size 16	16P2 2x Size 12
18P4 4x Size 12	18P8 4x Size 16 4x Size 22HD (Interlock)	20P2 2x Size 8

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PANEL MOUNT INFO		
Shell Size	K +.005/-.00	ØJ +.005/-.00
11	.350 (8.89)	.719 (18.26)
14	.443 (11.25)	.955 (24.26)
16	.505 (12.83)	1.073 (27.25)
18	.568 (14.43)	1.192 (30.28)
20	.630 (16.00)	1.349 (34.26)

Size / Arrangements	Contacts	ØA Max.	B Thread	C Max.	D Mating Thread	E Max.	F Thread	ØH
11P1	1X #12	1.160 (29.46)	M15 X 1-6g-.100R	1.110	.6875-.067P-.2L-TS-2A	0.100 (2.54)	M19 X 1-6g-.100R	0.527 (13.39)
14P4	4X #16	1.360 (34.54)	M19 X 1-6g-.100R	1.320	.8750-.067P-.2L-TS-2A		M24 X 1-6g-.100R	0.684 (17.37)
16P2	2X #12	1.515 (38.48)	M22 X 1-6g-.100R	1.444	1.0000-.067P-.2L-TS-2A		M27 X 1-6g-.100R	0.785 (19.94)
18P4	4X #12	1.610 (40.89)	M25 X 1-6g-.100R	1.570	1.1250-.067P-.2L-TS-2A		M30 X 1-6g-.100R	0.899 (22.83)
18P8	4X #16 4X #22HD	1.610 (40.89)	M25 X 1-6g-.100R	1.570	1.1250-.067P-.2L-TS-2A		M30 X 1-6g-.100R	0.899 (22.83)
20P2	2X #8	1.850 (46.99)	M28 X 1-6g-.100R	1.760	1.2500-.067P-.2L-TS-2A	0.128 (3.25)	M34 X 1-6g-.100R	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