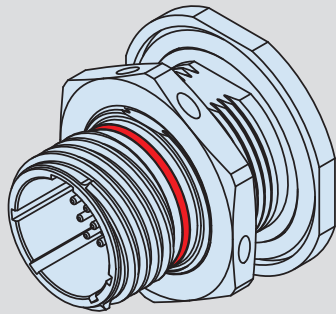


Series 806 Mil-Aero Connectors

806-063 Jam Nut Mount, Flush Rear PCB Receptacle Connector



Features

- Triple-start stub ACME mating thread
- 5 High density #22HD arrangements available for reduced size and weight
- Aerospace-grade materials, construction
- Threaded holes for secure attachment to rigid or flex circuits

Specifications

- Operating temperature:
Finishes ME, MT, Z1: -65°C to +200°C
Finishes NF, ZR: -65°C to +175°C
- Dielectric withstanding voltage #22HD contacts: 1300 VAC
- Mating durability: 500 cycles
- Mechanical shock: EIA-364-27, 300g.
- Vibration (sine): MIL-DTL-38999M, 60g.
- Vibration (random) EIA-364-28 Condition VI, Letter J, 43.92 Grms, +200°C
- High Impact shock: MIL-S-901 Grade A
- Humidity: EIA-364-31 Method 4
- Salt spray (dynamic): EIA-364-26, 500 hours (96 hours for nickel-plated versions)
- Fluid immersion: EIA-364-10
- Altitude immersion: EIA-364-03 75,000 feet altitude
- Indirect Lightning Strike: EIA-364-75 Type B Level 2 10kA Peak

Connector Construction

- Shell and hex nut - al alloy or cres / see How to Order table
- Insulators - high grade rigid dielectric / N.A.
- Interfacial seal, peripheral O-ring, and flange o-ring - fluorosilicone blend / N.A.
- Contact - copper alloy / gold plating

How To Order

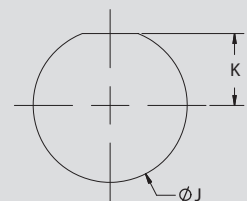
SAMPLE PART NUMBER		806-063	-ME	11-19	S	1	A
Product	806-063 = Jam Nut Mount, Flush Rear PCB Receptacle						
Shell Material and Finish	NF = Aluminum, O.D. Cad Over Electroless Nickel MT = Aluminum, Ni/PTFE ME = Aluminum, Electroless Nickel ZR = Aluminum, Black Zinc-Nickel TZ = Aluminum, Tin-Zinc MN = Aluminum, Mega-Nickel Z1 = Stainless Steel, Passivated ZL = Stainless Steel, Electro-Deposited Nickel						
Arrangement Number (Shell Size - Insert Arr.)	See 806-015 for Contact Arrangement						
Contact Type	P = Pin, PC Tail S = Socket, PC Tail E = Pin, Solder Cup F = Socket, Solder Cup						
PC Tail Length	1 = .125" 2 = .250" *Omit For Solder Cup						
Polarization	A B C D E F						

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°

PC Tail Diameter

Contact Size	PC Tail Diameter
#22HD	.020 (0.51)
#20HD	.030 (0.76)
#16	.060 (1.52)
#12	.092 (2.34)
#8	.180 (4.57)



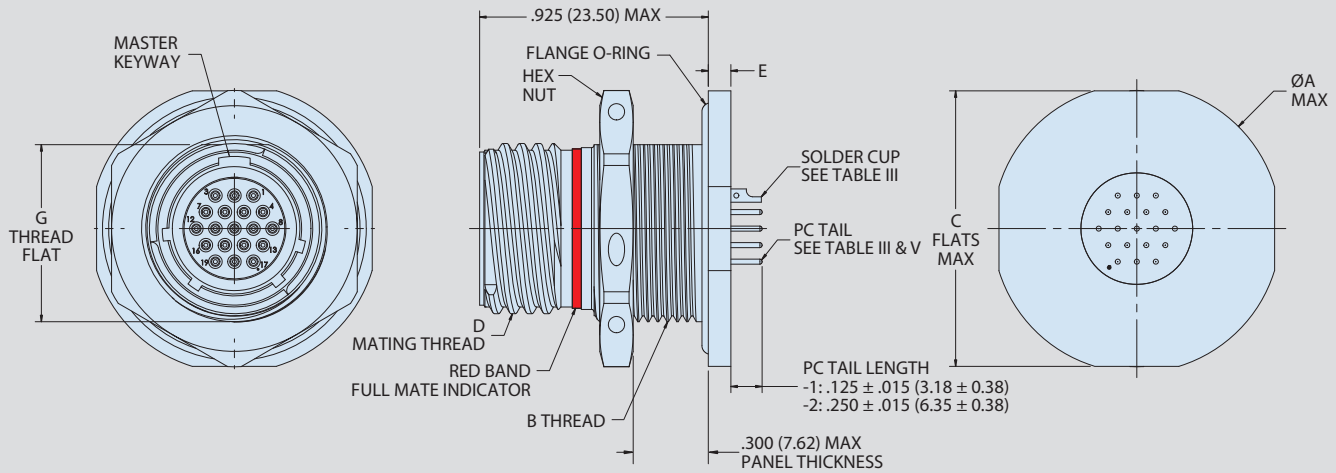
Recommend Mounting Hole Dimensions

Shell Size	ØJ (+.005/-0.00) (+.013/-0.00)	K Flat (+.005/-0.00) (+.013/-0.00)
7	.522 (13.26)	.224 (5.69)
8	.601 (15.27)	.256 (6.50)
9	.640 (16.26)	.287 (7.29)
10	.719 (18.26)	.318 (8.08)
11	.759 (19.28)	.350 (8.89)
12	.837 (21.26)	.381 (9.68)
14	.955 (24.26)	.443 (11.25)
16	1.073 (27.25)	.505 (12.83)
18	1.192 (30.28)	.568 (14.43)
20	1.349 (34.26)	.630 (16.00)
22	1.467 (37.26)	.693 (17.60)
24	1.624 (41.25)	.755 (19.18)

Series 806

Mil-Aero Connectors

806-063 Jam Nut Mount, Flush Rear PCB Receptacle Connector



Dimensions

Shell Size	$\varnothing A$ Max	B Thread	C Flats Max	D Mating Thread	E	G Thd Flat
7	.908 (23.06)	M8 X 1-6g	.848 (21.54)	.4375-.067P-.2L-TS-2A	.090 (2.29)	.463 (11.76)
8	.980 (24.89)	M15 X 1-6g	.920 (23.37)	.5000-.067P-.2L-TS-2A		.534 (13.56)
9	1.040 (26.42)	M16 X 1-6g	.980 (24.89)	.5625-.067P-.2L-TS-2A		.585 (14.86)
10	1.110 (28.19)	M18 X 1-6g	1.050 (26.67)	.6250-.067P-.2L-TS-2A		.656 (16.66)
11	1.160 (29.46)	M19 X 1-6g	1.110 (28.19)	.6875-.067P-.2L-TS-2A		.707 (17.96)
12	1.230 (31.24)	M21 X 1-6g	1.170 (29.72)	.7500-.067P-.2L-TS-2A		.777 (19.74)
14	1.360 (34.54)	M24 X 1-6g	1.320 (33.53)	.8750-.067P-.2L-TS-2A		.899 (22.83)
16	1.515 (38.48)	M27 X 1-6g	1.444 (36.68)	1.000-.067P-.2L-TS-2A		1.020 (25.91)
18	1.610 (40.89)	M30 X 1-6g	1.570 (39.88)	1.125-.067P-.2L-TS-2A		1.142 (29.01)
20	1.850 (46.99)	M34 X 1-6g	1.760 (44.70)	1.250-.067P-.2L-TS-2A		1.283 (32.59)
22	2.010 (51.05)	M37 X 1-6g	1.913 (48.59)	1.375-.067P-.2L-TS-2A		1.405 (35.69)
24	2.195 (55.75)	M41 X 1-6g	2.070 (52.58)	1.500-.067P-.2L-TS-2A		1.546 (39.27)