

SERIES 801 DOUBLE-START ACME THREAD Mighty Mouse Connectors and Cables



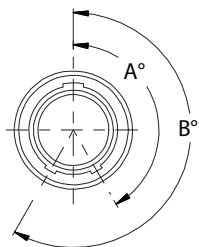
Environmental Jam-Nut Bulkhead Feed-Thru



Series 801 Bulkhead Feed-Thru provides an environmental separable connection on both sides of a mounting panel. Available in shell sizes 5 to 21 and mates with all high density plug connectors with the same polarization and opposite contact genders. Copper alloy gold-plated contacts, pin to pin, pin to socket, or socket to socket. Your choice of standard aluminum alloy or stainless steel and seven standard finishes (see below). Please contact the factory for other materials and finishes.

How To Order							
Sample Part Number		801-074	-07	M	6-7	P	S A
Series	801-074 = Feed-Thru Receptacle						
Shell Style	-02 = Square Flange Mount -12 = Square Flange, Non-Locking Clinch Nuts -22 = Square Flange, Locking Clinch Nuts -07 = Jam-Nut						
Material and Finish	M = Aluminum / Electroless Nickel MT = Aluminum / Nickel-PTFE NF = Aluminum / Cadmium with Olive Drab Chromate ZNU = Aluminum / Zinc-Nickel with Black Chromate Z1 = Stainless Steel / Passivated						
Shell Size - Insert Arrangement	See Contact Arrangements page E-7						
Contact Type Jam-Nut Side	P = Pin S = Socket Connectors with PP and SS contact styles will cause the arrangement pattern to be mirrored about the vertical centerline						
Contact Type Other Side	P = Pin S = Socket						
Polarization (See Table I)	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos.						

Table I: Keyway Positions



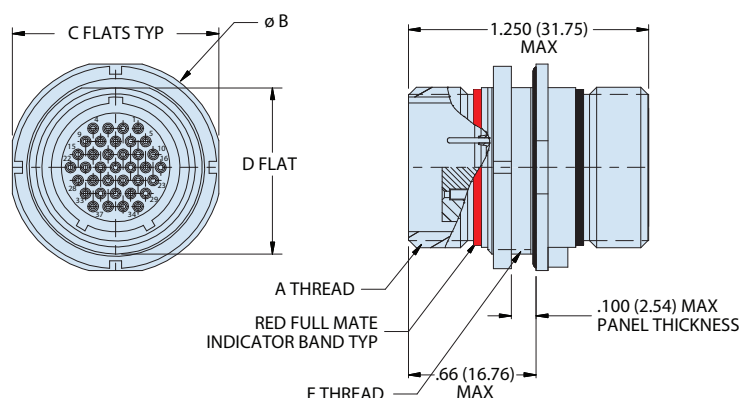
Key Position	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

NOTES

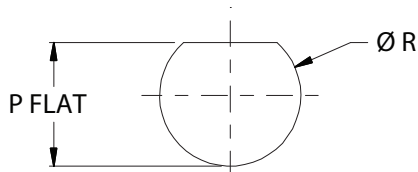
1. Receptacle connector mates with all quick coupling high-density plug connectors with same polarization and opposite contact gender (801-001, 801-002, 801-007 AND 801-008)
2. Connectors with PP and SS contact styles will cause the arrangement pattern to be mirrored about the vertical centerline
3. See page E-11 for panel cut-out dimensions
4. Material/Finish
 - Shell, jam-nut: aluminum alloy or CRES
 - Contact: copper alloy / gold plate per ASTM B 488, type II, code C
 - Insulators: liquid crystal polymer / N.A.
 - Interfacial seal, O-ring, peripheral seal: Fluorosilicone / N.A.
 - Class 1.25 (.000050 minimum thickness), over a suitable underplate



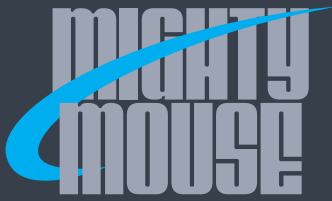
JAM-NUT MOUNT RECEPTACLE - SHELL STYLE 07



Dimensions					
Shell Size	A Thread	E Thread	Ø B	C Flat	D Flat
5	.3125-.05P-.1L-2A	.3750-28 UN-2A	.575 (14.60)	.545 (13.84)	.350 (8.89)
6	.3750-.05P-.1L-2A	.4375-28 UNEF-2A	.635 (16.13)	.595 (15.11)	.410 (10.41)
7	.4375-.05P-.1L-2A	.5625-32 UN-2A	.755 (19.18)	.723 (18.36)	.536 (13.61)
8	.5000-.05P-.1L-2A	.5625-32 UN-2A	.755 (19.18)	.723 (18.36)	.536 (13.61)
9	.5625-.05P-.1L-2A	.6250-28 UN-2A	.830 (21.08)	.790 (20.07)	.596 (15.14)
10	.6250-.05P-.1L-2A	.6875-28 UN-2A	.890 (22.61)	.855 (21.72)	.658 (16.71)
11	.6875-.05P-.1L-2A	.7500-28 UN-2A	.960 (24.38)	.925 (23.50)	.718 (18.24)
13	.8125-.1P-.1L-2A	.8750-28 UN-2A	1.078 (27.38)	1.044 (26.52)	.845 (21.46)
16	1.0000-.1P-.1L-2A	1.0625-20 UN-2A	1.264 (32.11)	1.230 (31.24)	1.022 (25.96)
17	1.0625-.1P-.1L-2A	1.1250-28 UN-2A	1.325 (33.65)	1.290 (32.77)	1.096 (27.84)
19	1.0625-.1P-.1L-2A	1.2500-28 UN-2A	1.450 (36.83)	1.415 (35.94)	1.227 (31.17)
21	1.3125-.1P-.1L-2A	1.3750-28 UN-2A	1.625 (41.28)	1.577 (40.06)	1.347 (34.21)



Panel Cutout		
P Flat	Ø R	
.358 (9.09); .354 (8.99)	.385 (9.78)	
.418 (10.62); .414 (10.52)	.448 (11.38)	
.544 (13.82); .540 (13.72)	.573 (14.55)	
.544 (13.82); .540 (13.72)	.573 (14.55)	
.604 (15.34); .600 (15.24)	.635 (16.13)	
.668 (16.97); .664 (16.87)	.698 (17.73)	
.728 (18.49); .724 (18.39)	.760 (19.30)	
.853 (21.67); .849 (21.56)	.885 (22.48)	
1.030 (26.16); 1.026 (26.06)	1.073 (27.25)	
1.104 (28.04); 1.100 (27.94)	1.135 (28.83)	
1.235 (31.37); 1.231 (31.27)	1.260 (32.00)	
1.355 (34.42); 1.351 (34.32)	1.385 (35.18)	

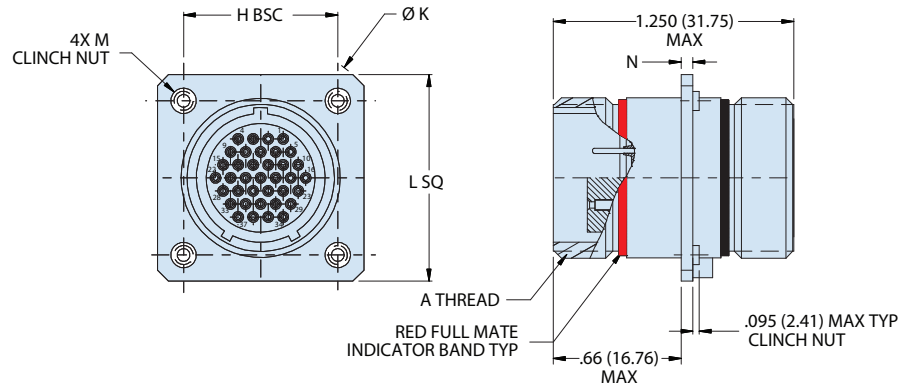


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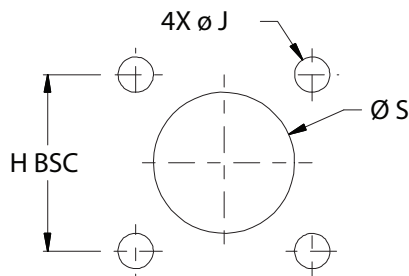


Environmental Jam-Nut Bulkhead Feed-Thru

SQUARE FLANGE, NON-LOCKING CLINCH NUTS - SHELL STYLE 12 SQUARE FLANGE, LOCKING CLINCH NUTS - SHELL STYLE 22



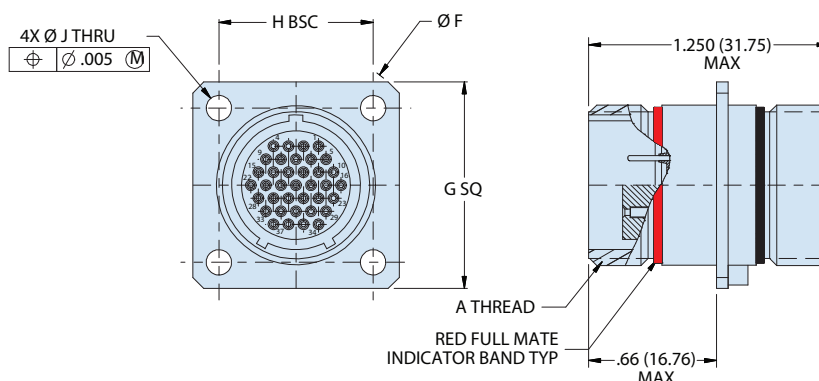
Dimensions						
Shell Size	A Thread	H Bsc	Ø K	L SQ	M	N
5	.3125-.05P-.1L-2A	.363 (9.22)	.774 (19.66)	.623 (15.82)	2-56	.030 (0.76)
6	.3750-.05P-.1L-2A	.423 (10.74)	.860 (21.84)	.683 (17.35)		
7	.4375-.05P-.1L-2A	.483 (12.27)	.944 (23.98)	.743 (18.87)		
8	.5000-.05P-.1L-2A	.545 (13.84)	1.032 (26.21)	.805 (20.45)		
9	.5625-.05P-.1L-2A	.607 (15.42)	1.180 (29.97)	.927 (23.55)	4-40	.060 (1.52)
10	.6250-.05P-.1L-2A	.670 (17.02)	1.268 (32.21)	.990 (25.15)		
11	.6875-.05P-.1L-2A	.715 (18.16)	1.331 (33.81)	1.035 (26.29)		
13	.8125-.1P-.2L-2A	.812 (20.62)	1.470 (37.34)	1.132 (28.75)		
16	1.0000-.1P-.2L-2A	.981 (24.92)	1.708 (43.38)	1.301 (33.05)		
17	1.0625-.1P-.2L-2A	1.060 (26.92)	1.822 (46.28)	1.382 (35.10)		
19	1.1875-.1P-.2L-2A	1.191 (30.25)	2.006 (50.95)	1.511 (38.38)		
21	1.3125-.1P-.2L-2A	1.322 (33.58)	2.190 (55.63)	1.642 (41.71)		



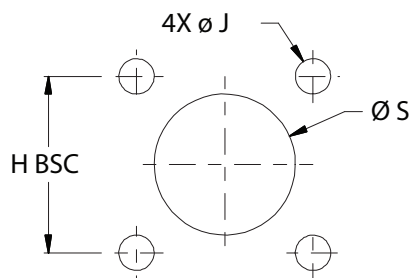
Panel Cutout		
H Bsc	J Holes	Ø S
.363 (9.22)	.096 (2.44) .091 (2.31)	.328 (8.33)
.423 (10.74)		.390 (9.91)
.483 (12.27)		.453 (11.51)
.545 (13.84)		.515 (13.08)
.607 (15.42)	.130 (3.30) .126 (3.20)	.578 (14.68)
.670 (17.02)		.640 (16.26)
.715 (18.16)		.703 (17.86)
.812 (20.62)		.828 (21.03)
.981 (24.92)		1.015 (25.78)
1.060 (26.92)		1.078 (27.38)
1.191 (30.25)		1.203 (30.56)
1.322 (33.58)		1.328 (33.73)



SQUARE FLANGE MOUNT - SHELL STYLE 02



Dimensions						
Shell Size	A Thread	Ø F	G Sq	H Bsc	J Holes	M
5	.3125-.05P-.1L-2A	.680 (17.27)	.530 (13.46)	.363 (9.22)	.096 (2.44) .091 (2.31)	2-56
6	.3750-.05P-.1L-2A	.750 (19.05)	.590 (14.99)	.423 (10.74)		
7	.4375-.05P-.1L-2A	.850 (21.59)	.650 (16.51)	.483 (12.27)		
8	.5000-.05P-.1L-2A	.938 (23.83)	.712 (18.08)	.545 (13.84)		
9	.5625-.05P-.1L-2A	1.125 (28.58)	.850 (21.59)	.607 (15.42)	.130 (3.30) .126 (3.20)	4-40
10	.6250-.05P-.1L-2A	1.188 (30.18)	.890 (22.61)	.670 (17.02)		
11	.6875-.05P-.1L-2A	1.250 (31.75)	.935 (23.75)	.715 (18.16)		
13	.8125-.1P-.2L-2A	1.375 (34.92)	1.030 (26.16)	.812 (20.62)		
16	1.0000-.1P-.2L-2A	1.625 (41.28)	1.219 (30.96)	.981 (24.92)		
17	1.0625-.1P-.2L-2A	1.700 (43.18)	1.280 (32.51)	1.060 (26.92)		
19	1.1875-.1P-.2L-2A	1.900 (48.26)	1.432 (36.37)	1.191 (30.25)		
21	1.3125-.1P-.2L-2A	2.100 (53.34)	1.565 (39.75)	1.322 (33.58)		



Panel Cutout		
H Bsc	J Holes	Ø S
.363 (9.22)	.096 (2.44) .091 (2.31)	.328 (8.33)
.423 (10.74)		.390 (9.91)
.483 (12.27)		.453 (11.51)
.545 (13.84)		.515 (13.08)
.607 (15.42)	.130 (3.30) .126 (3.20)	.578 (14.68)
.670 (17.02)		.640 (16.26)
.715 (18.16)		.703 (17.86)
.812 (20.62)		.828 (21.03)
.981 (24.92)		1.015 (25.78)
1.060 (26.92)		1.078 (27.38)
1.191 (30.25)		1.203 (30.56)
1.322 (33.58)		1.328 (33.73)