

Receptacle Connectors with PC Tails or Solder Cups



Environmental, PCB Receptacle 801-011 connectors feature low profile shells for minimum protrusion inside enclosures and integral board standoffs. Contacts are non-removable. Specify 800-011 connectors for applications where open face water immersion is not a requirement.

Water Tight PCB Receptacle 801-033 connectors are identical to 801-011 but are specially sealed ("MOD-518") and 100% tested to maintain a helium leak rate of less than 1×10^{-4} cc/second at one atmosphere pressure differential. Connectors meet MIL-STD-810 Method 512G immersion requirements in unmated/open face condition.

How To Order						
Sample Part Number	801-011	-02	M	6-7	P	A
Series	801-011 = Receptacle with Solder Cups or PC Tails, and Standard Epoxy 801-033 = Receptacle with Solder Cups or PC Tails, Meets MIL-STD-810 Method 512G for Water Immersion					
Shell Style (See Table I)	-02 = Square Flange, Front or Rear Panel Mount -12 = Square Flange, Rear Panel Mount with Non-Locking Clinch Nuts -22 = Square Flange, Rear Panel Mount with Locking Clinch Nuts -07 = Jam-Nut, Rear Panel Mount					
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	E = Pin, Solder Cup F = Socket, Solder Cup P = Pin, PC Tail S = Socket, PC Tail					
Polarization (See Table II)	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F					

NOTES

1. Contacts are non removable, the connector is back potted
2. For additional insert arrangements consult factory
3. Plug mates with all quick coupling high density receptacle connectors with same polarization and opposite contact gender (801-001, 801-002, 801-007, 801-008)
4. For all insert arrangements with size #8 contacts, dimension changes to .160"
5. For all insert arrangements with size #8 contacts, add .300" to overall length
6. See page E-11 for panel cut-out dimensions
7. Material / finish:
 - Shell, jam-nut: aluminum alloy or CRE5; see How to Order Table
 - Insulator: high grade rigid dielectric / N.A.
 - Interfacial seal, O-rings: fluorosilicone / N.A.
 - Contact: copper alloy / gold plate per ASTM B 488, Type II, Code C, Class 1.25, over a suitable underplate
 - Potting compound: epoxy

Table I: Shell Style

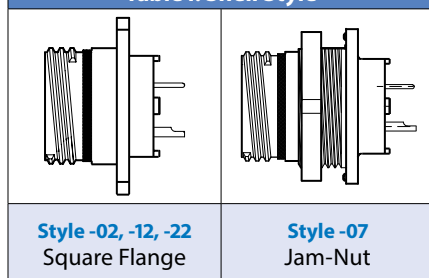
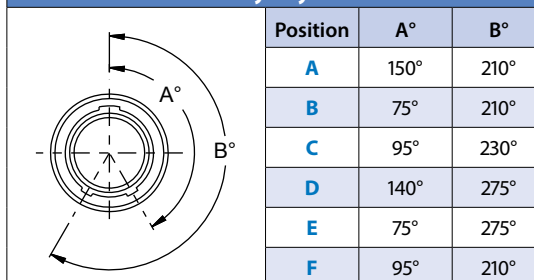
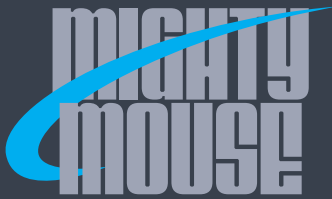


Table II: Keyway Positions





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

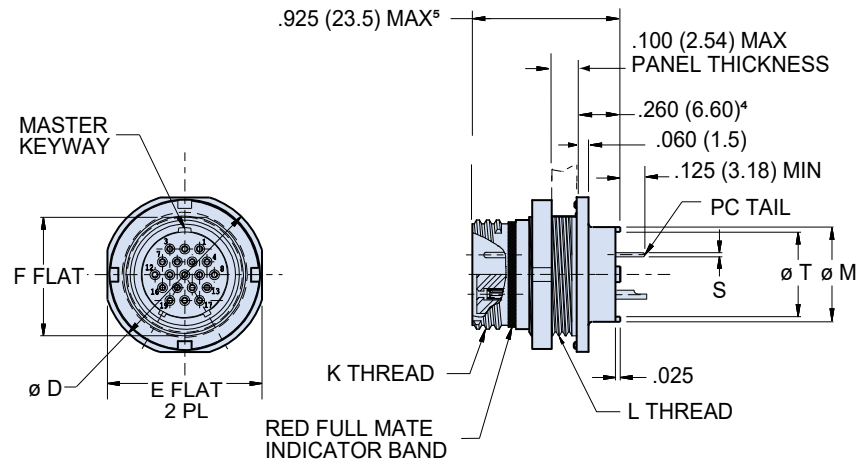


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JAM-NUT MOUNT RECEPTACLE - SHELL STYLE 07

Jam-Nut 801-011-07

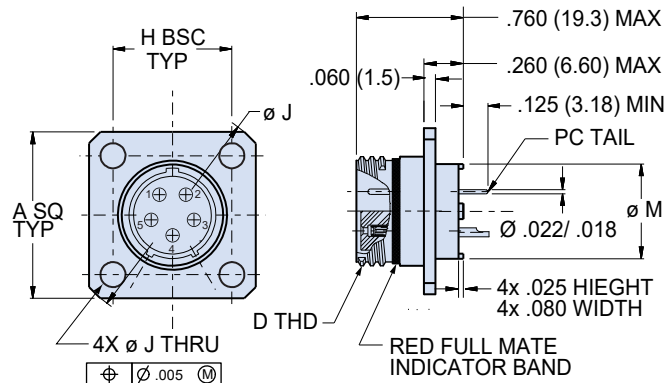
PC Tail Dimensions	
Contact Size	Ø S
#23	Ø .018/.022
#20	Ø .028/.024
#16	Ø .060/.064
#12	Ø .092/.096



SQUARE FLANGE MOUNT RECEPTACLE - SHELL STYLE 02

Square Flange 801-011-02

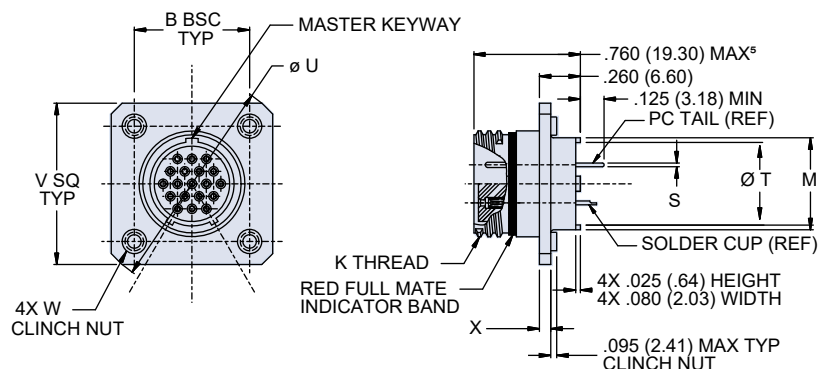
PC Tail Dimensions	
Contact Size	Ø S
#23	Ø .018/.022
#20	Ø .028/.024
#16	Ø .060/.064
#12	Ø .092/.096



SQUARE FLANGE MOUNT RECEPTACLE - SHELL STYLE 12 (NON-LOCKING CLINCH NUTS) AND 22 (LOCKING CLINCH NUTS)

Square Flange 801-011-12 and -22

PC Tail Dimensions	
Contact Size	Ø S
#23	Ø .018/.022
#20	Ø .028/.024
#16	Ø .060/.064
#12	Ø .092/.096





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



Receptacle Connectors with PC Tails or Solder Cups

Dimensions									
Shell Size	A Sq	B Bsc	Ø C	Ø D	E Flat	F Flat	J Holes	K Thread	L Thread
5	.530 (13.46)	.363 (9.22)	.680 (17.27)	.575 (14.60)	.545 (13.84)	.350 (8.89)	.096 (2.44)	.3125-.05P-.1L-2A	.3750-28 UN-2A
6	.590 (14.99)	.423 (1.74)	.750 (19.05)	.635 (16.13)	.595 (15.11)	.410 (1.41)	.091 (2.31)	.3750-.05P-.1L-2A	.4375-28 UNEF-2A
7	.650 (16.51)	.483 (12.27)	.850 (21.59)	.755 (19.18)	.723 (18.36)	.536 (13.61)	.091 (2.31)	.4375-.05P-.1L-2A	.5625-32 UN-2A
8	.712 (18.08)	.545 (13.84)	.938 (23.83)	.755 (19.18)	.723 (18.36)	.536 (13.61)	.091 (2.31)	.5000-.05P-.1L-2A	.5625-32 UN-2A
9	.850 (21.59)	.607 (15.42)	1.125 (28.58)	.830 (21.08)	.790 (2.07)	.596 (15.14)	.130 (3.30)	.5625-.05P-.1L-2A	.6250-28 UN-2A
10	.890 (22.61)	.670 (17.02)	1.188 (3.18)	.890 (22.61)	.855 (21.72)	.658 (16.71)	.130 (3.30)	.6250-.05P-.1L-2A	.6875-28 UN-2A
11	.935 (23.75)	.715 (18.16)	1.250 (31.75)	.960 (24.38)	.925 (23.50)	.718 (18.24)	.130 (3.30)	.6875-.05P-.1L-2A	.7500-28 UN-2A
13	1.030 (26.16)	.812 (2.62)	1.375 (34.92)	1.078 (27.38)	1.044 (26.52)	.845 (21.46)	.126 (3.11)	.8125-.1P-.2L-2A	.8750-28 UN-2A
16	1.219 (3.96)	.981 (24.92)	1.625 (41.28)	1.265 (32.13)	1.230 (31.24)	1.022 (25.96)	.126 (3.11)	1.0000-.1P-.2L-2A	1.0625-20 UN-2A
17	1.280 (32.51)	1.060 (26.92)	1.700 (43.18)	1.325 (33.65)	1.290 (32.77)	1.096 (27.84)	.126 (3.11)	1.0625-.1P-.2L-2A	1.1250-28 UN-2A
19	1.432 (36.37)	1.191 (3.25)	1.900 (48.26)	1.450 (36.83)	1.415 (35.94)	1.225 (31.12)	.126 (3.11)	1.1875-.1P-.2L-2A	1.2500-28 UN-2A
21	1.565 (39.75)	1.322 (33.58)	2.100 (53.34)	1.625 (41.28)	1.577 (4.06)	1.345 (34.16)	.126 (3.11)	1.3125-.1P-.2L-2A	1.3750-28 UN-2A

Dimensions (Continued)										
Shell Size	L Thread	Ø M	Ø T	N Flat ± .002 (0.05)	Ø P +.005 (+.13) -.000 (-.00)	Ø R ±.005 (.13)	Ø U	V Sq	W Cinch Nuts	X
5	.3750-28 UN-2A	.244 (6.20)	.175 (4.44)	.356 (9.04)	.380 (9.65)	.328 (8.33)	.774 (19.66)	.623 (15.82)	2-56	.030 (.76)
6	.4375-28 UNEF-2A	.330 (8.38)	.238 (6.05)	.416 (10.57)	.443 (11.25)	.390 (9.91)	.860 (21.84)	.683 (17.35)		
7	.5625-32 UN-2A	.432 (10.97)	.327 (8.31)	.542 (13.77)	.567 (14.40)	.453 (11.51)	.944 (23.98)	.743 (18.87)		
8	.5625-32 UN-2A	.493 (12.52)	.388 (9.86)	.542 (13.77)	.567 (14.40)	.515 (13.08)	1.032 (26.21)	.805 (20.45)		
9	.6250-28 UN-2A	.551 (14.00)	.446 (11.33)	.602 (15.29)	.630 (16.00)	.578 (14.68)	1.180 (29.97)	.927 (23.55)	4-40	.060 (1.52)
10	.6875-28 UN-2A	.620 (15.75)	.516 (13.11)	.666 (16.92)	.693 (17.60)	.640 (16.26)	1.268 (32.21)	.990 (25.15)		
11	.7500-28 UN-2A	.662 (16.81)	.557 (14.15)	.730 (18.54)	.755 (19.18)	.703 (17.86)	1.331 (33.81)	1.035 (26.29)		
13	.8750-28 UN-2A	.703 (17.86)	.599 (15.21)	.851 (21.62)	.880 (22.35)	.828 (21.03)	1.470 (37.34)	1.132 (28.75)		
16	1.0625-20 UN-2A	.863 (21.92)	.759 (19.28)	1.028 (26.11)	1.067 (27.10)	1.015 (25.78)	1.708 (43.38)	1.301 (33.05)		
17	1.1250-28 UN-2A	.912 (23.16)	.808 (20.52)	1.102 (27.99)	1.130 (28.70)	1.078 (27.38)	1.822 (46.28)	1.382 (35.10)		
19	1.2500-28 UN-2A	1.018 (25.86)	.910 (23.11)	1.243 (31.57)	1.255 (31.88)	1.203 (30.56)	2.006 (50.95)	1.511 (38.38)		
21	1.3750-28 UN-2A	1.170 (29.72)	1.061 (26.95)	1.354 (34.39)	1.380 (35.05)	1.328 (33.73)	2.190 (55.63)	1.642 (41.71)		

