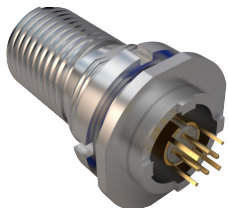


SERIES 801 DOUBLE-START ACME THREAD Mighty Mouse Connectors and Cables



Hermetic PC Tail Receptacles with Size 8 High-Speed, RF, and Power Contacts



Series 801 Hermetic Receptacles with Size #8 High-Speed, RF and Power Contact Arrangements

Feature a double-start modified stub ACME mating thread for quicker mating and improved protection against cross-mating damage. Stainless steel shells suitable for E-Beam welding. 100% tested to meet 1×10^{-7} ccHe/sec @ 1 atm helium leak rate. Four shell styles available including solder mount, weld mount, jam-nut, or square flange.

How To Order							
Sample Part Number		801-107	-07	Z1	8-1	P	P A
Series	801-107 = Hermetic PC Tail Receptacle						
Shell Style (See Table I)	-02 = Square Flange, Front or Rear Panel Mount -03 = Solder Mount, Front or Rear Panel Mount -07 = Jam-Nut, Rear Panel Mount -13 = Weld Mount, Front Panel Mount						
Material and Finish	Z1 = Stainless Steel / Passivated ZL = Stainless Steel / Nickel Plated						
Shell Size - Insert Arrangement	8-1, 11-201, 16-2, 16-208, 17-3, 17-205, 19-4, 19-201, 19-202, 21-5, 21-200 See Contact Arrangements page E-7						
Contact Type	C = #8 Co-Ax, 50 ohm C1 = #8 Co-Ax, 75 ohm P = #8 Power Q = #8 Quadrax T = #8 Twinax, Concentric						
Contact Style	C = Pin (PC Tail) D = Socket (PC Tail)						
Polarization (See Table II)	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. E F = Pos. F						

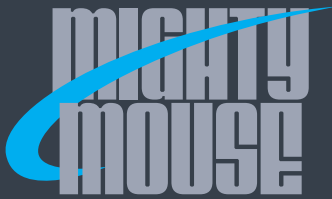
Table I: Shell Style			
Style -02 Square Flange	Style -03 Solder Mount	Style -07 Jam-Nut	Style -13 Weld Mount

Table II: Keyway Positions		
Position	A°	B°
A	150°	210°
B	75°	210°
C	95°	230°
D	140°	275°
E	75°	275°
F	95°	210°

NOTES

- Performance Test Criteria
 - Hermeticity: 1×10^{-7} cc/sec at one atmosphere, not for use in liquid environment
 - DWV: per 809-099
 - I.R.: 5 gigohms @ 500 Vdc
- This connector mates with all quick coupling 801 series plug connectors with same shell size, polarization and opposite contact gender,
- See page E-11 for panel cut-out dimensions
- Glenair 801-107 is for #8 contact arrangements only. Consult factory for other insert and finish options
- Material / finish:
 - Shell: CRES 304L / passivate or plate as required
 - Jam-nut: CRES / passivate or plate as required
 - Seals: fluorosilicone
 - O-ring: fluorosilicone
 - Insulators:
 - Fused glass (hermetic)
 - Rigid dielectric (socket insulator)
 - Contacts
 - Pin: nickel alloy / gold plate
 - Socket: copper alloy/gold plate

DWV Rating	
Contact Sizes	Test Voltage
23	1300 Vac
8	1300 Vac

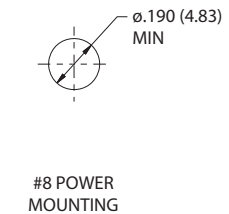
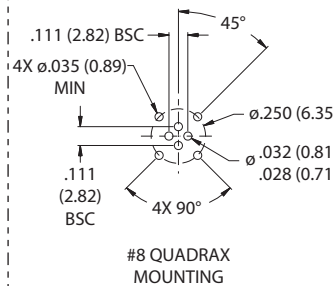
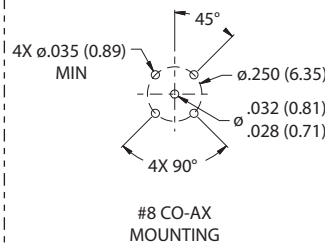
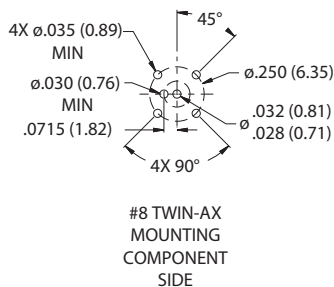
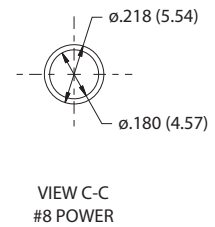
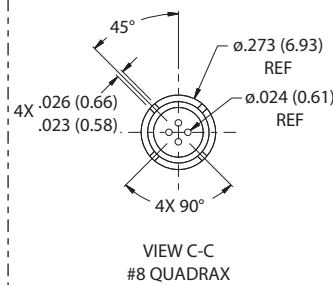
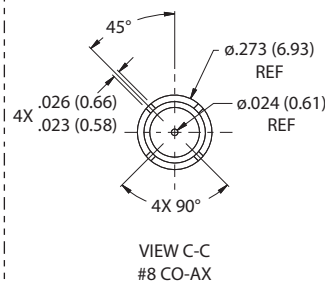
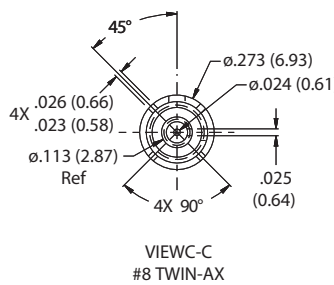


SERIES 801 DOUBLE-START ACME THREAD Mighty Mouse Connectors and Cables



Hermetic PC Tail Receptacles with Size 8 High-Speed, RF, and Power Contacts

CONTACT LAYOUTS AND PCB FOOTPRINTS



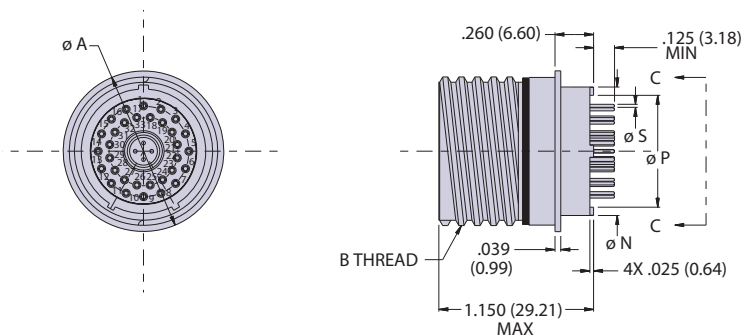


SERIES 801 DOUBLE-START ACME THREAD Mighty Mouse Connectors and Cables



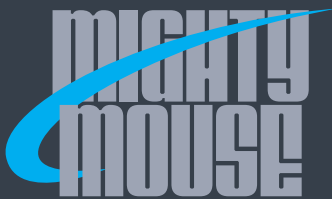
Hermetic PC Tail Receptacles with Size 8 High-Speed, RF, and Power Contacts

801-107-03 SOLDER MOUNT RECEPTACLE, FRONT OR REAR PANEL MOUNT



Dimensions				
Shell Size	ϕA	B THREAD	ϕN	ϕP
8	0.580 (14.73)	.5000-.05P-.1L-2A	0.493 (12.52)	0.390 (9.91)
11	0.770 (19.56)	.6875-.05P-.1L-2A	0.662 (16.81)	0.557 (14.15)
16	1.080 (27.43)	1.0000-.1P-.2L-2A	0.863 (21.92)	0.756 (19.20)
17	1.145 (29.08)	1.0625-.1P-.2L-2A	0.912 (23.16)	0.805 (20.45)
19	1.270 (32.26)	1.1875-.1P-.2L-2A	1.018 (25.86)	0.910 (23.11)
21	1.415 (35.94)	1.3125-.1P-.2L-2A	1.170 (29.72)	1.061 (26.95)

P.C. Tail Diameter	
Contact Size	ϕS
23	.022 (0.56) .018 (0.46)
8	.182 (4.62) .178 (4.52)

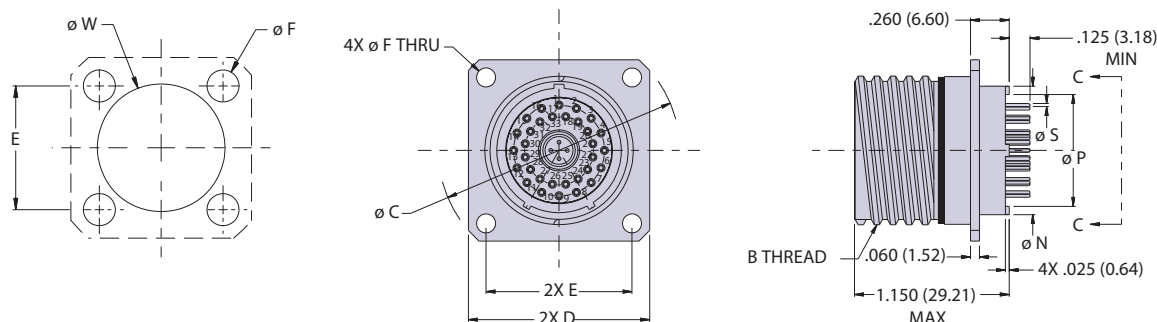


SERIES 801 DOUBLE-START ACME THREAD Mighty Mouse Connectors and Cables



Hermetic PC Tail Receptacles with Size 8 High-Speed, RF, and Power Contacts

801-107-02 SQUARE FLANGE RECEPTACLE, FRONT OR REAR PANEL MOUNT



Dimensions								
Shell Size	B THREAD	ϕC	D SQ	E BSC	F HOLES	ϕN	ϕP	$\phi W \pm .005$
8	.5000-.05P-.1L-2A	0.938 (23.83)	0.712 (18.08)	0.545 (13.84)	0.096 (2.44) 0.091 (2.31)	0.493 (12.52)	0.390 (9.91)	0.515 (13.08)
11	.6875-.05P-.1L-2A	1.250 (31.75)	0.935 (23.75)	0.715 (18.16)	0.130 (3.30) 0.126 (3.20)	0.662 (16.81)	0.557 (14.15)	0.703 (17.86)
16	1.0000-.1P-.2L-2A	1.625 (41.28)	1.219 (30.96)	0.981 (24.92)		0.863 (21.92)	0.756 (19.20)	1.015 (25.78)
17	1.0625-.1P-.2L-2A	1.700 (43.18)	1.280 (32.51)	1.060 (26.92)		0.912 (23.16)	0.805 (20.45)	1.078 (27.38)
19	1.1875-.1P-.2L-2A	1.900 (48.26)	1.432 (36.37)	1.191 (30.25)		1.018 (25.86)	0.910 (23.11)	1.203 (30.56)
21	1.3125-.1P-.2L-2A	2.100 (53.34)	1.565 (39.75)	1.322 (33.58)		1.170 (29.72)	1.061 (26.95)	1.328 (33.73)

P.C. Tail Diameter	
Contact Size	ϕS
23	.022 (0.56) .018 (0.46)
8	.182 (4.62) .178 (4.52)

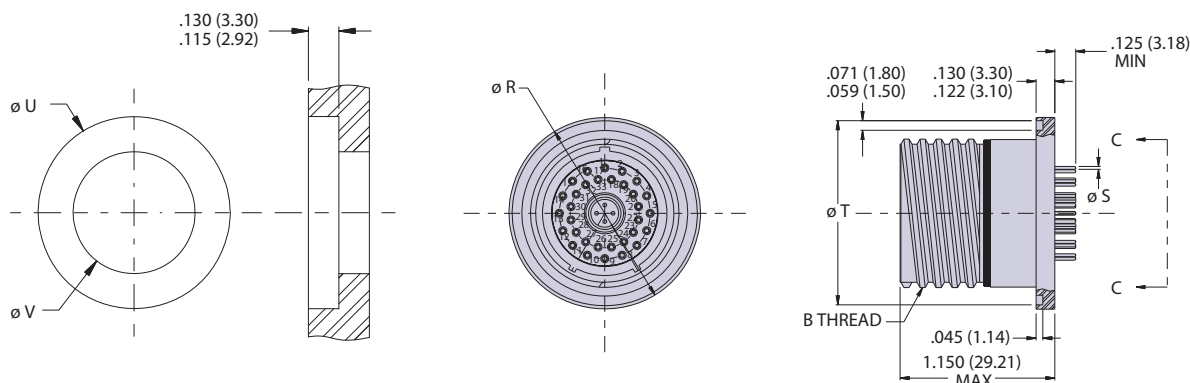


SERIES 801 DOUBLE-START ACME THREAD Mighty Mouse Connectors and Cables



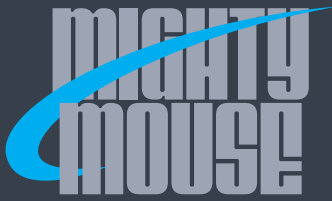
Hermetic PC Tail Receptacles with Size 8 High-Speed, RF, and Power Contacts

801-107-13 WELD MOUNT RECEPTACLE, FRONT PANEL MOUNT



Dimensions					
Shell Size	B THREAD	ø R ±.002	ø T	ø U ±.003	ø V MIN
8	.5000-.05P-.1L-2A	0.788 (20.02)	0.745 (18.92)	0.794 (20.17)	0.390 (9.91)
11	.6875-.05P-.1L-2A	1.062 (26.97)	1.019 (25.88)	1.068 (27.13)	0.580 (14.73)
16	1.0000-.1P-.2L-2A	1.288 (32.72)	1.245 (31.62)	1.294 (32.87)	0.775 (19.69)
17	1.0625-.1P-.2L-2A	1.360 (34.54)	1.315 (33.40)	1.366 (34.70)	0.825 (20.96)
19	1.1875-.1P-.2L-2A	1.495 (37.97)	1.452 (36.88)	1.501 (38.13)	0.930 (23.62)
21	1.3125-.1P-.2L-2A	1.625 (41.28)	1.58 (40.13)	1.631 (41.43)	1.080 (27.43)

P.C. Tail Diameter	
Contact Size	ø S
23	.022 (0.56) .018 (0.46)
8	.182 (4.62) .178 (4.52)

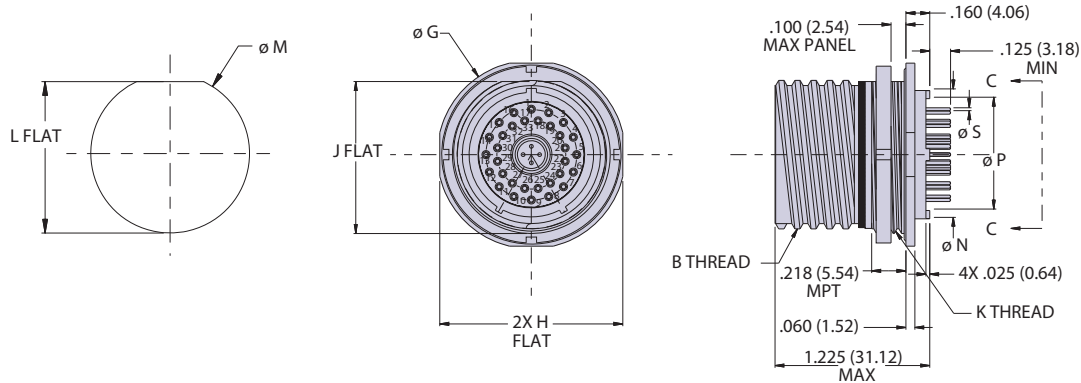


SERIES 801 DOUBLE-START ACME THREAD Mighty Mouse Connectors and Cables



Hermetic PC Tail Receptacles with Size 8 High-Speed, RF, and Power Contacts

801-107-07 JAM NUT MOUNT RECEPTACLE, REAR PANEL MOUNT



Dimensions									
Shell Size	B THREAD	ø G	H FLAT	J FLAT	K THREAD	L FLAT	ø M	ø N	ø P
8	.5000-.05P-.1L-2A	0.755 (19.18)	0.723 (18.36)	0.536 (13.61)	.5625-32 UN-2A	0.544 (13.82) 0.540 (13.72)	0.572 (14.53) 0.567 (14.40)	0.493 (12.52)	0.390 (9.91)
11	.6875-.05P-.1L-2A	0.960 (24.38)	0.925 (23.50)	0.718 (18.24)	.7500-28 UN-2A	0.728 (18.49) 0.724 (18.39)	0.760 (19.30) 0.755 (19.18)	0.662 (16.81)	0.557 (14.15)
16	1.0000-.1P-.2L-2A	1.265 (32.13)	1.230 (31.24)	1.022 (25.96)	1.0625-20 UN-2A	1.030 (26.16) 1.026 (26.06)	1.072 (27.23) 1.067 (27.10)	0.863 (21.92)	0.756 (19.20)
17	1.0625-.1P-.2L-2A	1.325 (33.66)	1.290 (32.77)	1.096 (27.84)	1.1250-28 UN-2A	1.104 (28.04) 1.100 (27.94)	1.135 (28.83) 1.130 (28.70)	0.912 (23.16)	0.805 (20.45)
19	1.1875-.1P-.2L-2A	1.450 (36.83)	1.415 (35.94)	1.225 (31.12)	1.2500-28 UN-2A	1.235 (31.37) 1.231 (31.27)	1.260 (32.00) 1.255 (31.88)	1.018 (25.86)	0.910 (23.11)
21	1.3125-.1P-.2L-2A	1.625 (41.28)	1.577 (40.06)	1.346 (34.19)	1.3750-28 UN-2A	1.354 (34.39) 1.350 (34.29)	1.385 (35.18) 1.380 (35.05)	1.170 (29.72)	1.061 (26.95)

P.C. Tail Diameter	
Contact Size	ø S
23	.022 (0.56) .018 (0.46)
8	.182 (4.62) .178 (4.52)