



Series 805 Mighty Mouse Triple-Start ACME Thread Hermetic Receptacles

805-006 and 805-019 Ordering Information



Hermetic Receptacle with Integral Banding Porch

High density connectors feature gold plated, nickel alloy pin contacts and copper alloy socket contacts. Mounting options include square flange-front or rear panel mount, solder mount, rear panel mount jam-nut and weld mount (805-006 only). Connectors are hermetically sealed and tested for leak rate less than 1×10^{-7} CC/HeSEC at atmosphere. Contacts are non-removable and back potted. Consult factory for additional arrangements.

How To Order

Sample Part Number		805-019	-02	Z1	8-7	P	A
Series	805-006 = Hermetic PC tail or solder cup receptacle 805-019 = Hermetic Receptacle with Integral Banding Porch						
Shell Style (See Table I)	-02 = Square Flange, Front or Rear Mount Receptacle -03 = Solder Mount Receptacle -07 = Jam Nut Receptacle -13 = Weld Mount, Front Panel Mount Receptacle (only available for 805-006)						
Material and Finish	Z1 = Stainless Steel / Passivated ZB = Stainless Steel / Olive Drab Chromate over Cadmium ZC = Stainless Steel / Zinc Cobalt Alloy/Black Chromate ZL = Stainless Steel / Electrodeposited Nickel ZN = Stainless Steel / Zinc Nickel/Olive Drab over Electroless Nickel (not available on 805-006) ZU = Stainless Steel / Cadmium Black (not available for 805-006)						
Shell Size - Insert Arrangement	Refer to section B (shell size 13 not available for 805-019)						
Contact Type	P = Pin, Solder Cup S = Socket, Solder Cup C = Pin, PC Termination D = Socket, PC Termination (PC termination only available for 805-006)						
Shell Key Positions (See Table II)	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. F F = Pos. F						

Table I: Shell Style

-02 Square Flange	-07 Jam Nut
-03 Solder Mount	-13 Weld Mount (805-006 only)

Table II: Key Positions

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

NOTES

- This connector mates with all quick coupling high density plug connectors with same polarization and opposite contact gender 805-001, 805-002
- For additional insert arrangements consult factory
- Contacts are non removable and connector is back potted
- Hermeticity is less than 1×10^{-7} CC/HeSEC at one atmosphere
- Material/Finish:
 - Shell, jam nut - cres 304L / passivate or plate as required
 - Contacts, hermetic - alloy 52 / gold plate
 - Contacts, socket - copper alloy / gold plate
 - Seals - fluorosilicone / N.A.
 - Insulator, hermetic - fused vitreous glass / N.A.
 - Insulator, socket - rigid dielectric / N.A.

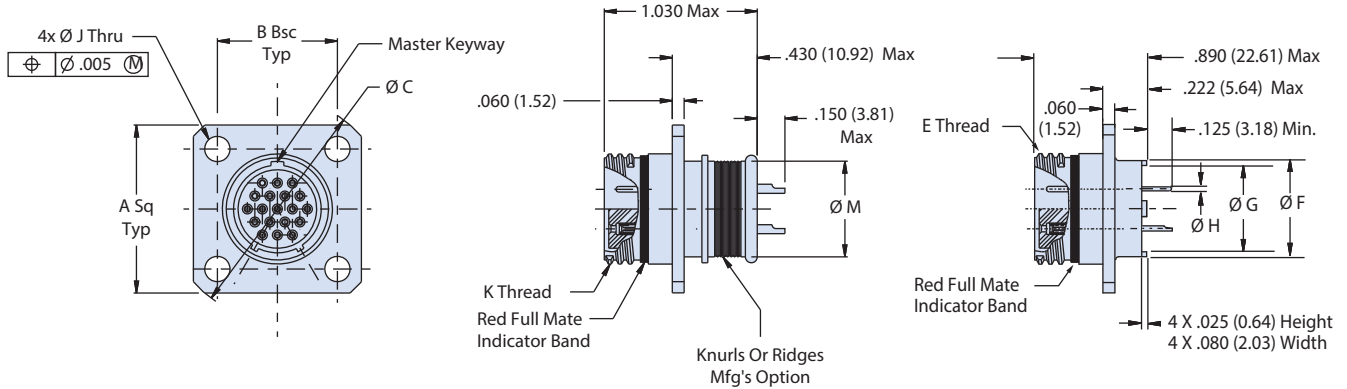
Dimensions in Inches (millimeters) are subject to change without notice.

Series 805 Mighty Mouse Triple-Start ACME Thread
PCB or Solder Cup Hermetic Receptacles
805-006 and 805-019 Dimensions



Series 805

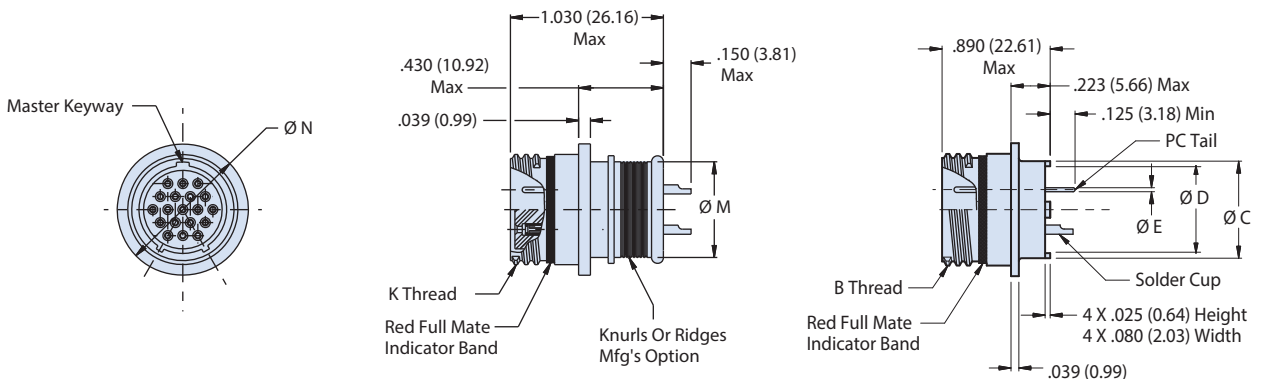
Wall mount receptacle - shell style 02



805-019
Integral Banding Porch
Solder Cup
See Table IV

805-006
PC Tail or Solder Cup
See Table III

Solder mount receptacle - shell style 03



805-019
Integral Banding Porch
Solder Cup
See Table IV

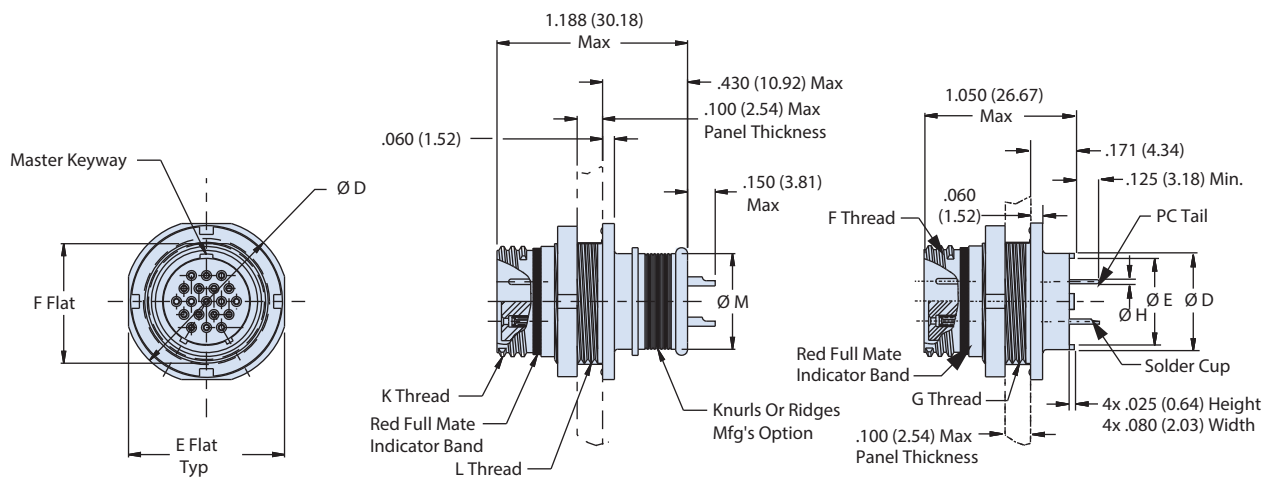
805-006
PC Tail or Solder Cup
See Table III

Dimensions in Inches (millimeters) are subject to change without notice.



Series 805 Mighty Mouse Triple-Start ACME Thread PCB or Solder Cup Hermetic Receptacles 805-006 and 805-019 Dimensions

Jam nut mount receptacle - shell style 07



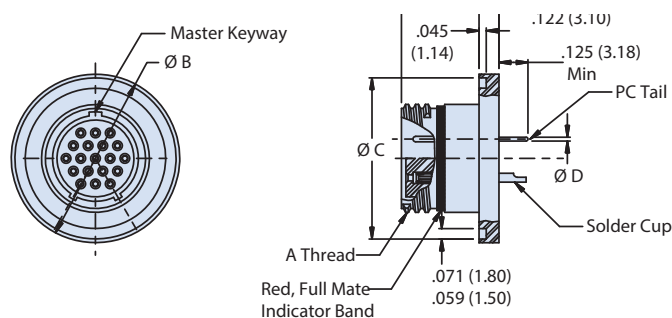
805-019

Integral Banding Porch
Solder Cup Only
See Table IV

805-006

PC Tail or Solder Cup
See Table III

Weld mount receptacle - shell style 13 (805-006 only)



805-006

PCB or Solder Cup
See Table III

Dimensions in Inches (millimeters) are subject to change without notice.

Series 805 Mighty Mouse Triple-Start ACME Thread PCB or Solder Cup Hermetic Receptacles 805-006 and 805-019 Dimensions



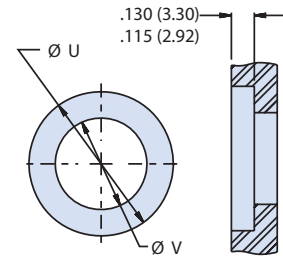
Series 805

Table III: 805-006 Dimensions

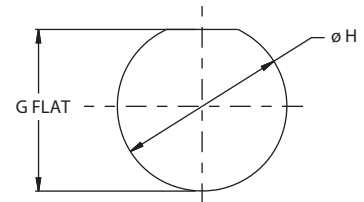
Shell Size	A Sq	B Bsc	Ø C	Ø D	E Flat	F Flat	J Holes	K Thread	L Thread	Ø M	Ø N Min	Ø P	Ø S ±.002	Ø T ±.006
8	.850 (21.59)	.660 (16.76)	1.150 (29.21)	.760 (19.30)	.730 (18.54)	.535 (13.59)	.096 (2.44) .091 (2.31)	.5000-1P-.3L-TS	.5625-28 UN-2A	.330 (8.38)	.230 (5.84)	.625 (15.88)	.788 (20.02)	0.745 (18.92)
9	.913 (23.19)	.723 (18.36)	1.230 (31.24)	.880 (22.35)	.850 (21.59)	.661 (16.79)		.5625-1P-.3L-TS	.6875-28 UN-2A	.432 (10.97)	.322 (8.18)	.688 (17.48)	.912 (23.16)	0.869 (22.07)
10	.975 (24.76)	.785 (19.94)	1.330 (33.78)	.880 (22.35)	.850 (21.59)	.661 (16.79)		.6250-1P-.3L-TS	.6875-28 UN-2A	.493 (12.52)	.386 (9.80)	.750 (19.05)	.975 (24.76)	0.933 (23.70)
11	1.039 (26.39)	.848 (21.54)	1.410 (35.81)	.955 (24.26)	.925 (23.50)	.721 (18.31)		.6875-1P-.3L-TS	.7500-28 UN-2A	.553 (14.05)	.442 (11.23)	.812 (20.62)	1.038 (26.37)	0.995 (25.27)
12	1.099 (27.91)	.909 (23.09)	1.500 (38.10)	1.060 (26.92)	1.035 (26.29)	.784 (19.91)		.7500-1P-.3L-TS	.8125-28 UN-2A	.620 (15.75)	.513 (13.03)	.875 (22.25)	1.100 (27.94)	1.057 (26.85)
13	1.163 (29.54)	.973 (24.71)	1.590 (40.39)	1.120 (28.45)	1.090 (27.69)	.843 (21.41)	.130 (3.30) .126 (3.20)	.8125-1P-.3L-TS	.8750-28 UN-2A	.661 (16.79)	.554 (14.07)	.938 (23.83)	1.162 (29.51)	1.119 (28.42)
15	1.288 (32.72)	1.058 (26.87)	1.75 (44.45)	1.203 (30.56)	1.173 (29.79)	.970 (24.64)		.9375-1P-.3L-TS	1.0000-28 UN-2A	.703 (17.86)	.594 (15.09)	1.062 (26.97)	1.288 (32.72)	1.245 (31.62)
18	1.475 (37.47)	1.255 (31.88)	2.000 (50.80)	1.389 (35.28)	1.359 (34.52)	1.147 (29.13)		1.1250-1P-.3L-TS	1.1875-28 UN-2A	.863 (21.92)	.750 (19.05)	1.250 (31.75)	1.475 (37.47)	1.430 (36.32)
19	1.537 (39.04)	1.327 (33.71)	2.094 (53.19)	1.450 (36.83)	1.420 (36.07)	1.221 (31.01)		1.1875-1P-.3L-TS	1.2500-28 UN-2A	.912 (23.16)	.805 (20.45)	1.312 (33.32)	1.540 (39.12)	1.495 (37.97)
21	1.663 (42.24)	1.452 (36.88)	2.27 (57.66)	1.58 (40.13)	1.550 (39.37)	1.35 (34.29)		1.3125-1P-.3L-TS	1.3750-28 UN-2A	1.017 (25.83)	.910 (23.11)	1.438 (36.53)	1.665 (42.29)	1.620 (41.15)
23	1.787 (45.39)	1.576	2.44 (61.98)	1.705 (43.31)	1.675 (42.55)	1.470 (37.34)		1.4375-1P-.3L-TS	1.5000-28 UN-2A	1.162 (29.51)	1.050 (26.67)	1.562 (39.67)	1.795 (45.59)	1.750 (44.45)

805-006 Panel Cut-Out Dimensions

Shell Size	G Flat	Ø H	Ø U ±.003	Ø V Min
8	0.547 (13.89) 0.543 (13.79)	0.575 (14.60) 0.571 (14.50)	0.794 (20.17)	0.350 (8.89)
9	0.673 (17.09) 0.669 (16.99)	0.700 (17.78) 0.696 (17.68)	0.918 (23.32)	0.455 (11.56)
10	0.673 (17.09) 0.669 (16.99)	0.700 (17.78) 0.696 (17.68)	0.981 (24.92)	0.520 (13.21)
11	0.733 (18.62) 0.729 (18.52)	0.762 (19.35) 0.758 (19.25)	1.044 (26.52)	0.575 (14.60)
12	0.796 (20.22) 0.792 (20.12)	0.825 (20.96) 0.821 (20.85)	1.106 (28.09)	0.650 (16.51)
13	0.853 (21.67) 0.849 (21.56)	0.887 (22.53) 0.883 (22.43)	1.168 (29.67)	0.685 (17.40)
15	0.982 (24.94) 0.978 (24.84)	1.012 (25.70) 1.008 (25.60)	1.294 (32.87)	0.730 (18.54)
18	1.159 (29.44) 1.155 (29.34)	1.200 (30.48) 1.196 (30.38)	1.481 (37.62)	0.890 (22.61)
19	1.233 (31.32) 1.229 (31.22)	1.262 (32.05) 1.258 (31.95)	1.546 (39.27)	0.940 (23.88)
21	1.360 (34.54) 1.356 (34.44)	1.387 (35.23) 1.383 (35.13)	1.671 (42.44)	1.040 (26.42)
23	1.482 (37.64) 1.478 (37.54)	1.512 (38.40) 1.508 (38.30)	1.801 (45.75)	1.190 (30.23)



Recommended Panel Cutout
-13 Jam-Nut



Recommended Panel Cutout
-07 Jam-Nut

Dimensions in Inches (millimeters) are subject to change without notice.



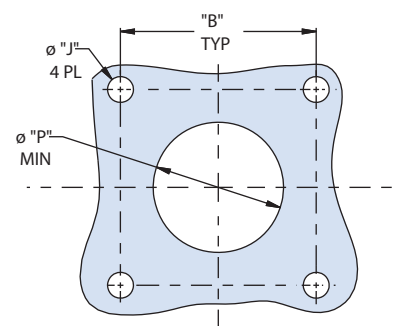
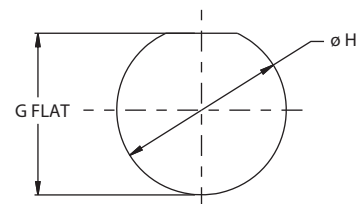
Series 805 Mighty Mouse Triple-Start ACME Thread PCB or Solder Cup Hermetic Receptacles 805-006 and 805-019 Dimensions

Table IV: 805-019 Dimensions

Shell Size	A Sq	B Sq	Ø C	Ø D	E Flat	F Flat	J Holes	K Thread	L Thread	Ø M	Ø N
8	.850 (21.59)	.660 (16.76)	1.150 (29.21)	.760 (19.30)	.730 (18.54)	.535 (13.59)	.096 (2.44) .091 (2.31)	.5000 -.1P-.3L-TS	.5625-28 UNEF-2A	.316 (8.03)	.625 (15.88)
9	.913 (23.19)	.723 (18.36)	1.230 (31.24)	.880 (22.35)	.850 (21.59)	.661 (16.79)		.5625 -.1P-.3L-TS	.6875-28 UN-2A	.397 (10.08)	.688 (17.48)
10	.975 (24.76)	.785 (19.94)	1.330 (33.78)	.880 (22.35)	.850 (21.59)	.661 (16.79)		.6250 -.1P-.3L-TS	.6875-28 UN-2A	.472 (11.99)	.750 (19.05)
11	1.039 (26.39)	.848 (21.54)	1.410 (35.81)	.955 (24.26)	.925 (23.50)	.721 (18.31)		.6875 -.1P-.3L-TS	.7500-28 UN-2A	.519 (13.18)	.812 (20.62)
12	1.099 (27.91)	.909 (23.09)	1.500 (38.10)	1.060 (26.92)	1.035 (26.29)	.784 (19.91)		.7500 -.1P-.3L-TS	.8125-28 UN-2A	.585 (14.86)	.875 (22.23)
15	1.288 (32.72)	1.058 (26.87)	1.750 (44.45)	1.203 (30.56)	1.173 (29.79)	.970 (24.64)	.130 (3.30) .126 (3.20)	.9375 -.1P-.3L-TS	1.000-28 UN-2A	.687 (17.45)	1.062 (26.97)
18	1.475 (37.47)	1.255 (31.88)	2.000 (50.80)	1.389 (35.28)	1.359 (34.52)	1.147 (29.13)		1.125 -.1P-.3L-TS	1.1875-28 UN-2A	.884 (22.45)	1.250 (31.75)
19	1.537 (39.04)	1.327 (33.71)	2.094 (53.19)	1.450 (36.83)	1.420 (36.07)	1.221 (31.01)		1.187 -.1P-.3L-TS	1.250-28 UN-2A	.884 (22.45)	1.312 (33.32)
21	1.663 (42.24)	1.452 (36.88)	2.270 (57.66)	1.580 (40.13)	1.550 (39.37)	1.350 (34.29)		1.312 -.1P-.3L-TS	1.3750-28 UN-2A	1.003 (25.48)	1.438 (36.53)
23	1.787 (45.39)	1.570 (39.88)	2.440 (61.98)	1.705 (43.31)	1.675 (42.55)	1.470 (37.34)		1.438 -.1P-.3L-TS	1.5000-28 UN-2A	1.134 (28.80)	1.562 (39.67)

805-019 Recommended Panel Cut-Out Dimensions

Shell Size	B Bsc	G Flat	Ø H	Ø P
8	.660 (16.76)	.545 (13.84) .541 (13.74)	.577 (14.66) .567 (14.40)	.505 (12.83)
9	.723 (18.36)	.671 (17.04) .667 (16.94)	.703 (17.86) .693 (17.60)	.570 (14.48)
10	.785 (19.94)	.671 (17.04) .667 (16.94)	.703 (17.86) .693 (17.60)	.630 (16.00)
11	.848 (21.54)	.731 (18.57) .727 (18.47)	.765 (19.43) .755 (19.18)	.695 (17.65)
12	.909 (23.09)	.794 (20.17) .790 (20.07)	.827 (21.01) .817 (20.75)	.755 (19.18)
15	1.058 (26.87)	.980 (24.89) .976 (24.79)	1.015 (25.78) 1.005 (25.53)	.945 (24.00)
18	1.255 (31.88)	1.157 (29.39) 1.153 (29.29)	1.203 (30.56) 1.193 (30.30)	1.130 (28.70)
19	1.327 (33.71)	1.231 (31.27) 1.227 (31.17)	1.265 (32.13) 1.255 (31.88)	1.195 (30.35)
21	1.452 (36.88)	1.360 (34.54) 1.356 (34.44)	1.385 (35.18) 1.255 (31.88)	1.320 (33.53)
23	1.570 (39.88)	1.482 (37.64) 1.478 (37.54)	1.512 (38.40) 1.508 (38.30)	1.445 (36.70)

Recommended Panel Cutout
-02 Wall MountRecommended Panel Cutout
-07 Jam-Nut

Dimensions in Inches (millimeters) are subject to change without notice.