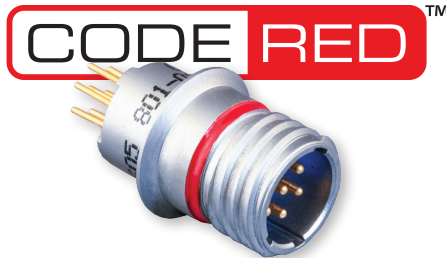


SERIES 801 DOUBLE-START ACME THREAD Mighty Mouse Connectors and Cables



CODE RED Light Weight Hermetic Receptacles, Solder Cup or PC Tail



Series 801 Lightweight Hermetic Receptacles

Feature an advanced hermetic encapsulant seal for a leak rate performance of 1×10^{-7} ccHe/second. Encapsulant seal allows for the use of copper alloy / gold plated contacts for improved performance over nickel-iron contacts typically found in glass-to-metal sealed connectors. Modified double-start stub ACME mating thread for improved protection against cross-mating and thread damage. Four shell styles — jam-nut, square flange, solder mount and weld mount available. Solder cup or PC tail contacts for attachment to flex or rigid circuit boards.

Contact factory regarding use in liquid environments.

How To Order						
Sample Part Number		801-140	-01	Z1	6-7	P A
Series	801-140 = Lightweight Hermetic Receptacles					
Shell Style (See Table I)	-02 = Square Flange, Front or Rear Panel Mount -13 = Weld Mount, Front Panel Mount -07 = Jam-Nut, Rear Panel Mount					
Material and Finish	E = Aluminum Alloy / Chem-Film, MIL-DTL-5541 ME = Aluminum Alloy / Electroless Nickel NF = Aluminum Alloy / Cadmium, Olive Drab ZR = Aluminum Alloy / Zinc-Nickel, Black Z1 = Stainless Steel / Passivated ZL = Stainless Steel / Nickel Plated					
Shell Size - Insert Arrangement	See Contact Arrangements page E-7					
Contact Type	P = Pin, Solder Cup C = Pin, PC Tail S = Socket, Solder Cup 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 -07 Jam-Nut	Style -13 Weld Mount

NOTES

- Hermeticity: 1×10^{-7} cc/sec at one atmosphere, not for use in liquid environment
- This 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)
- See page E-11 for panel cut-out dimensions
- Material / finish:
 - Shell and jam nut: see how-to-order table
 - Contacts: copper alloy 52 / gold plate
 - Seals: fluorosilicone / N.A.
 - Insulators: high grade rigid dielectric/N.A.
 - Sockets: copper alloy/gold plate (contact), CRES/passivated (hood)
 - Sealing compound: polymer encapsulant

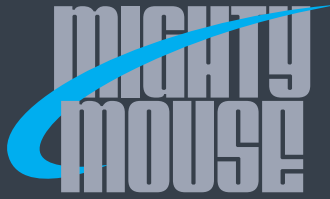
Table II: Keyway Positions

The diagram shows a circular layout with six keyway positions labeled A through F. The positions are defined by their angular coordinates relative to a reference point (Position A at 0°). The angles are: A = 0°, B = 75°, C = 95°, D = 140°, E = 275°, and F = 95°.

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

DWV Rating

Contact Sizes	Test Voltage
23	750 Vac
20 HD	1000 Vac
16, 12, 8	1800 Vac



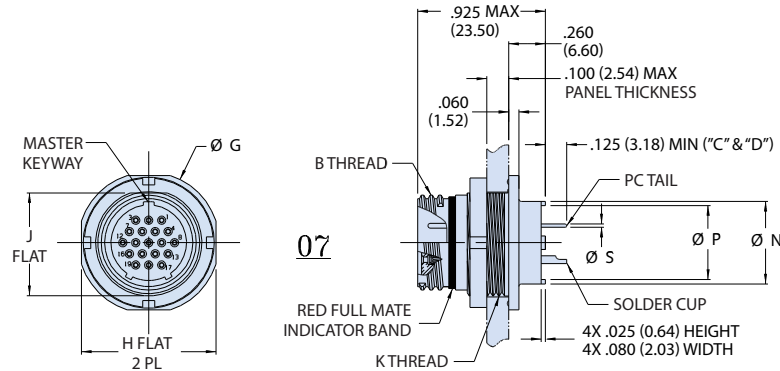
SERIES 801 DOUBLE-START ACME THREAD

Mighty Mouse Connectors and Cables

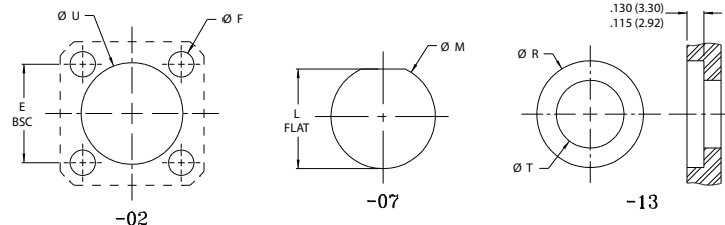


CODE RED Lightweight Hermetic Jam-Nut Receptacle, Solder Cup or PC Tail

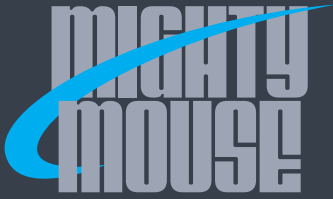
JAM-NUT MOUNT RECEPTACLE - SHELL STYLE 07



Dimensions												Panel Cutout				Panel Cutout		
Shell Size	Ø A ± .002	Ø A'	B Thread	Ø C	D SQ	E BSC	F Holes	Ø G	H Flat	J Flat	K Thread	L Flat	Ø M	Ø N	Ø P	Ø R ± .003	Ø T MIN	Ø U ± .005
5	.600 (15.24)	.555 (14.10)	.3125-.05P- .1L-2A	.680 (17.27)	.530 (13.46)	.363 (9.22)	.096 (2.44) .091 (2.31)	.575 (14.60)	.545 (13.84)	.350 (8.89)	.3750-28 UN-2A	.358 (9.09) .354 (8.99)	.385 (9.78) .380 (9.65)	.244 (6.20)	.197 (5.00)	.606 (15.39)	.180 (4.57)	.328 (8.33)
6	.665 (16.89)	.620 (15.75)	.3750-.05P- .1L-2A	.750 (19.05)	.590 (14.99)	.423 (10.74)		.635 (16.13)	.595 (15.11)	.410 (10.41)	.4375-28 UNEF-2A	.418 (10.62) .414 (10.52)	.448 (11.38) .443 (11.25)	.330 (8.38)	.236 (5.99)	.671 (17.04)	.240 (6.10)	.390 (9.91)
7	.730 (18.54)	.685 (17.40)	.4375-.05P- .1L-2A	.850 (21.59)	.650 (16.51)	.483 (12.27)		.755 (19.18)	.723 (18.36)	.536 (13.61)	.5625-32 UN-2A	.544 (13.82) .540 (13.72)	.572 (14.53) .567 (14.40)	.432 (10.97)	.324 (8.23)	.736 (18.69)	.330 (8.38)	.453 (11.51)
8	.788 (20.02)	.745 (18.92)	.5000-.05P- .1L-2A	.938 (23.83)	.712 (18.08)	.545 (13.84)								.493 (12.52)	.390 (9.91)	.794 (20.17)	.390 (9.91)	.515 (13.08)
9	.912 (23.16)	.869 (22.07)	.5625-.05P- .1L-2A	1.125 (28.58)	.850 (21.59)	.607 (15.42)	.130 (3.30) .126 (3.20)	.830 (21.08)	.790 (20.07)	.596 (15.14)	.6250-28 UN-2A	.604 (15.34) .600 (15.24)	.635 (16.13) .630 (16.00)	.551 (14.00)	.444 (11.28)	.918 (23.32)	.455 (11.56)	.578 (14.68)
10	.975 (24.76)	.933 (23.70)	.6250-.05P- .1L-2A	1.188 (30.18)	.890 (22.61)	.670 (17.02)		.890 (22.61)	.855 (21.72)	.658 (16.71)	.6875-28 UN-2A	.666 (16.92) .662 (16.81)	.698 (17.73) .693 (17.60)	.620 (15.75)	.520 (13.21)	.981 (24.92)	.520 (13.21)	.640 (16.26)
11	1.062 (26.97)	1.019 (25.88)	.6875-.05P- .1L-2A	1.250 (31.75)	.935 (23.75)	.715 (18.16)		.960 (24.38)	.925 (23.50)	.718 (18.24)	.7500-28 UN-2A	.728 (18.49) .724 (18.39)	.760 (19.30) .755 (19.18)	.662 (16.81)	.557 (14.15)	1.068 (27.13)	.580 (14.73)	.703 (17.86)
13	1.162 (29.51)	1.119 (28.42)	.8125-.1P- .2L-2A	1.375 (34.92)	1.030 (26.16)	.812 (20.62)		1.078 (26.52)	1.044 (26.52)	.845 (21.46)	.8750-28 UN-2A	.853 (21.67) .849 (21.56)	.885 (22.48) .880 (22.35)	.703 (17.86)	.596 (15.14)	1.168 (29.67)	.610 (15.49)	.828 (21.03)
16	1.288 (32.72)	1.245 (31.62)	1.0000-.1P- .2L-2A	1.625 (41.28)	1.219 (30.96)	.981 (24.92)		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)	.863 (21.92)	.756 (19.20)	1.294 (32.87)	.775 (19.68)	1.015 (25.78)
17	1.360 (34.54)	1.315 (33.40)	1.0625-.1P- .2L-2A	1.700 (43.18)	1.280 (32.51)	1.060 (26.92)		1.325 (32.77)	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)	.912 (23.16)	.805 (20.45)	1.366 (34.70)	.825 (20.96)	1.078 (27.38)
19	1.495 (37.97)	1.452 (36.88)	1.1875-.1P- .2L-2A	1.900 (48.26)	1.432 (36.37)	1.191 (30.25)		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)	.910 (23.11)	1.501 (38.13)	.930 (23.62)	1.203 (30.56)
21	1.625 (41.28)	1.580 (40.13)	1.3125-.1P- .2L-2A	2.100 (53.34)	1.565 (39.75)	1.322 (33.58)		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)	1.631 (41.43)	1.080 (27.43)	1.328 (33.73)



RECOMMENDED PANEL CUTOUT

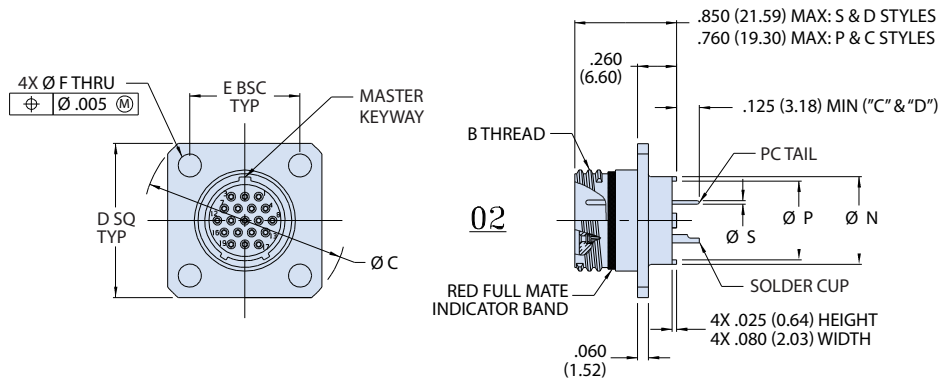


SERIES 801 DOUBLE-START ACME THREAD Mighty Mouse Connectors and Cables



CODE RED Lightweight Hermetic Square Flange and Weld Mount Receptacle, Solder Cup or PC Tail

FRONT OR REAR, SQUARE FLANGE MOUNT - SHELL STYLE 02



WELD MOUNT - SHELL STYLE 13

