

SERIES 805 TRIPLE-START ACME THREAD Mighty Mouse Connectors and Cables



Code Red Lightweight, Hermetic Jam-Nut Receptacle with PC Tails or Solder Cup Contacts

CODE RED™

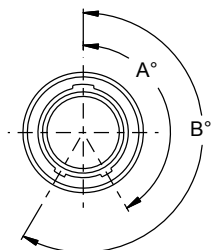


Series 805 Code Red Hermetic Receptacles feature solder cup contacts for direct wire attachment or PC tails for PC board termination. Signature encapsulant allows for use of standard gold plated, copper alloy pin and and socket contacts with better electrical performance over traditional hermetic nickel-iron contacts. Light weight, aluminum shells styles include square flange, solder mount, jam-nut, and weld mount. Connectors are 100% tested to meet 1×10^{-7} ccHe/sec at 1 atm helium leak rate. Contacts are non-removable, back potted, and parylene compatible. Consult factory for hybrid shielded contact / coax arrangements.

How To Order					
Sample Part Number		805-140	ME	13-37	P A
Series	805-140-07 = Code Red Light Weight Hermetic Connector				
Material and Finish	ME = Aluminum Alloy / Nickel Plate				
Shell Size - Insert Arrangement	Shell Size: 8, 9, 10, 11, 12, 13, 15, 18, 19, 21, 23 ; See page J-6 for available insert arrangements*				
Contact Type	P = Pin, PC Tail E = Pin, Solder Cup				
Jam-Nut Side	S = Socket, PC Tail F = Socket, Solder Cup				
Polarization (See Table II)	A = Normal B = Pos. B C = Pos. C D = Pos. D E = Pos. F F = Pos. F				

*Power and signal contacts only. For shielded contact applications, consult factory.

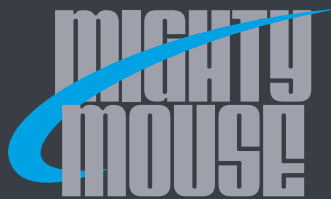
Table II: Key Positions



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

NOTES

- This connector mates with all 805 plug connectors with same polarization and opposite contact gender 805-001, 805-002, and 805-061
- Connector shall not be used in liquid environment
- Temperature range: -65°C to +200°C
- Hermeticity is less than 1×10^{-7} ccHe/second at one atmosphere
- DWV: 750 VAC @ sea level
- IR: 5,000 megohms @ 500 VDC minimum, room temperature
- Sealing compound employed has been tested and meets all applicable performance requirements of MIL-DTL-38999/23. See Glenair test report GT-16-233
- See page J-11 for recommended panel cut-outs
- Material/Finish:
 - Shell, jam-nut: aluminum alloy / nickel plate
 - Insulator: high grade rigid electric
 - Elastomer: fluorosilicone
 - O-ring: butyl / N.A.
 - Contacts: copper alloy / gold plate
 - Seal compound: epoxy and silicone base encapsulants

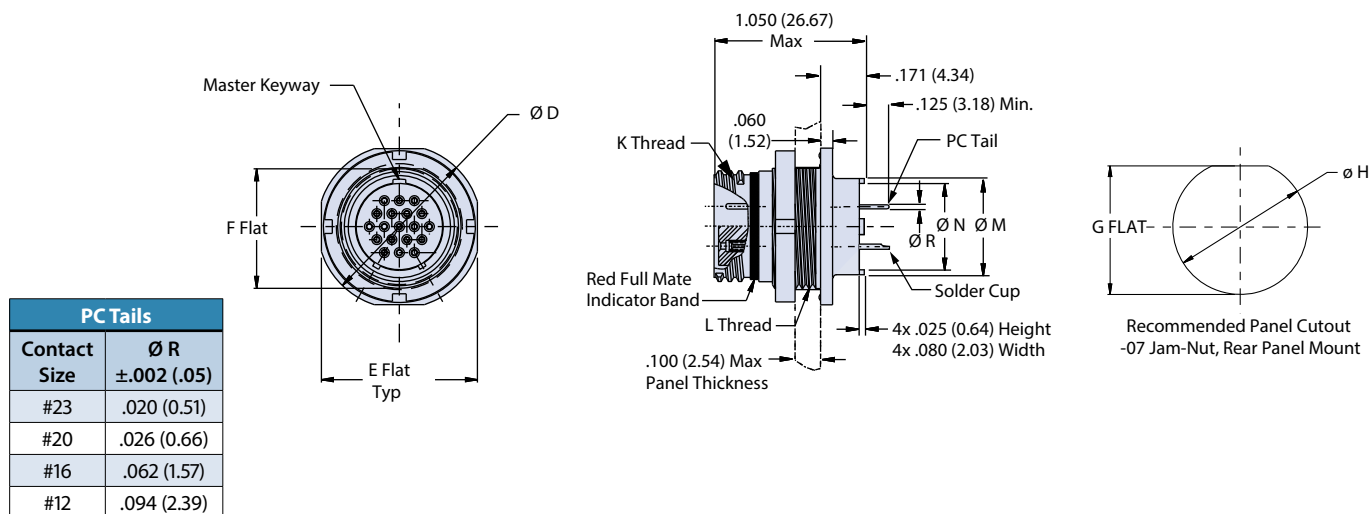


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JAM-NUT MOUNT RECEPTACLE - SHELL STYLE 07



Dimensions									
Shell Size	Ø D	E Flat	F Flat	K Thread	L Thread	Ø M	Ø N Min	Jam-Nut Cutout	
								G Flat	Ø H
8	.760 (19.30)	.730 (18.54)	.535 (13.59)	.5000 -1P-.3L-TS	.5625 -28 UN-2A	.330 (8.38)	.230 (5.84)	.545 (13.84) .541 (13.74)	.572 (14.53) .567 (14.40)
9	.880 (22.35)	.850 (21.59)	.661 (16.79)	.5625 -1P-.3L-TS	.6875 -28 UN-2A	.432 (10.97)	.322 (8.18)	.671 (17.04) .667 (16.94)	.698 (17.73) .693 (17.60)
10	.880 (22.35)	.850 (21.59)	.661 (16.79)	.6250 -1P-.3L-TS	.6875 -28 UN-2A	.493 (12.52)	.386 (9.80)	.671 (17.04) .667 (16.94)	.698 (17.73) .693 (17.60)
11	.955 (24.26)	.925 (23.50)	.721 (18.31)	.6875 -1P-.3L-TS	.7500 -28 UN-2A	.553 (14.05)	.442 (11.23)	.731 (18.57) .727 (18.47)	.760 (19.30) .755 (19.18)
12	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)	.794 (20.17) .790 (20.07)	.822 (20.88) .817 (20.75)
13	1.120 (28.45)	1.090 (27.69)	.843 (21.41)	.8125 -1P-.3L-TS	.8750 -28 UN-2A	.661 (16.79)	.554 (14.07)	.853 (21.67) .849 (21.56)	.885 (22.48) .880 (22.35)
15	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)	.980 (24.89) .976 (24.79)	1.3010 (33.05) 1.005 (25.53)
18	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)	1.157 (29.39) 1.153 (29.29)	1.198 (30.43) 1.193 (30.30)
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)	1.231 (31.27) 1.227 (31.17)	1.260 (32.00) 1.255 (31.88)
21	1.58 (40.13)	1.550 (39.37)	1.350 (34.29)	1.3125 -1P-.3L-TS	1.3750 -28 UN-2A	1.017 (25.83)	.910 (23.11)	1.360 (34.54) 1.356 (34.44)	1.385 (35.18) 1.380 (35.05)
23	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)	1.480 (37.59) 1.476 (37.49)	1.510 (38.35) 1.505 (38.23)