

Glenair®

Series 805



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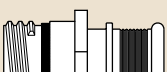
Table 1: Series	
 805-003 Receptacle with Banding Platform	 805-004 Receptacle with Accessory Thread

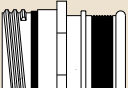
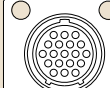
Table II: Shell Style		
		
-01 In-line Receptacle	-02, -12, -22 Square Flange	-07 Jam-Nut

Table III: Keyway Positions

The diagram shows a cross-section of a shaft with four concentric circles representing different keyway depths. A vertical centerline is shown. Two curved arrows indicate angular positions: A° for the first keyway from the top and B° for the second keyway from the top. Dashed lines extend from the keyway positions to the table below.

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

1. Contacts are crimp type and used in rear release retention system
2. This receptacle mates with all quick coupling high density plug connectors with same polarization and opposite contact gender
3. Connectors supplied with standard crimp contacts. For coax or other special contacts, order connector less contacts (contact style

- A or B) and order contacts separately
- For all insert arrangements with size #8 contacts add .227" to overall length
- Grommet protrudes for power/combo/#8 arrangements
- Maximum panel thickness for 01, 02, 12, and 22 is .100 (2.54) max

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Series 80 Mighty Mouse

U.S. CAGE Code 06324

Printed in U.S.A.

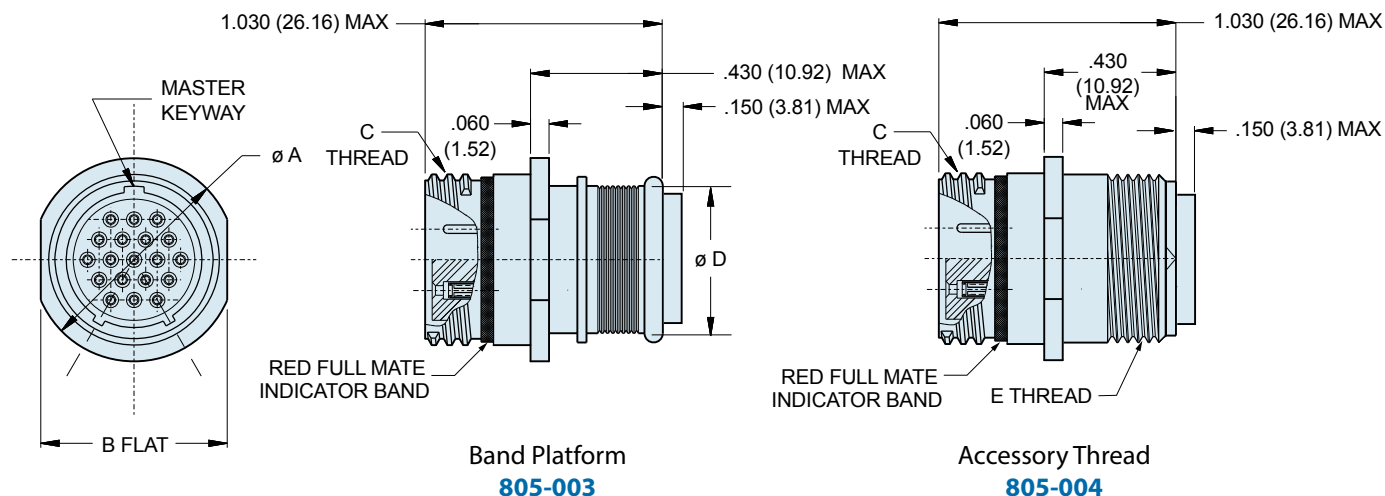
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Rev. 06.02.21



Series 805 Mighty Triple-Start ACME Thread Receptacle with Banding Platform or Accessory Thread 805-003 and 805-004 Shell Style -01 Dimensions

In-line cable receptacle - shell style 01



Dimensions					
Shell Size	Ø A	B Flat	C Thread	Ø D	E Accessory Thread
8	.540 (13.72)	.510 (12.95)	.5000-.1P-.3L-TS-2A	.316 (8.03)	.3750-32 UNEF-2A
9	.605 (15.37)	.575 (14.60)	.5625-.1P-.3L-TS-2A	.397 (10.08)	.4375-28 UNEF-2A
10	.668 (16.97)	.638 (16.21)	.6250-.1P-.3L-TS-2A	.472 (11.99)	.5000-28 UNEF-2A
11	.730 (18.54)	.700 (17.78)	.6875-.1P-.3L-TS-2A	.519 (13.18)	.5625-24 UNEF-2A
12	.793 (20.14)	.763 (19.38)	.7500-.1P-.3L-TS-2A	.585 (14.86)	.6250-24 UNEF-2A
13	.855 (21.72)	.825 (20.96)	.8125-.1P-.3L-TS-2A	.646 (16.41)	.6875-24 UNEF-2A
15	.980 (24.89)	.950 (24.13)	.9375-.1P-.3L-TS-2A	.687 (17.45)	.7500-20 UNEF-2A
18	1.165 (29.59)	1.135 (28.83)	1.1250-.1P-.3L-TS-2A	.884 (22.45)	.9375-20 UNEF-2A
19	1.235 (31.37)	1.205 (30.61)	1.1875-.1P-.3L-TS-2A	.884 (22.45)	.9375-20 UNEF-2A
21	1.360 (34.54)	1.330 (33.78)	1.3125-.1P-.3L-TS-2A	1.003 (25.48)	1.0625-18 UNEF-2A
23	1.485 (37.72)	1.455 (36.96)	1.4375-.1P-.3L-TS-2A	1.134 (28.80)	1.1875-18 UNEF-2A

Materials and Finishes

- Connector shell: aluminum or stainless steel / see how to order table
- Insulators: high-grade rigid dielectric / N.A
- Interfacial seal: fluorosilicone rubber, blue
- Contact: copper alloy, gold plate per ASTM B 488, Type II, Code C, Class 1.25 over a suitable underplate

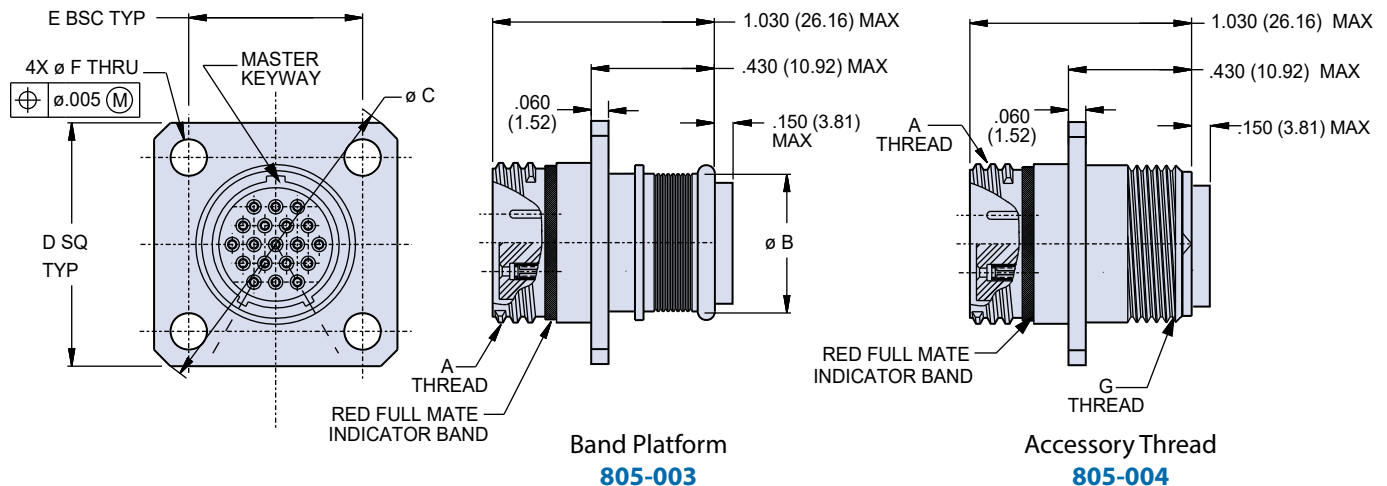
Dimensions in Inches (millimeters) are subject to change without notice.

Series 805 Mighty Triple-Start ACME Thread Receptacle with Banding Platform or Accessory Thread 805-003 and 805-004 Shell Style -02 Dimensions



Series 805

Square flange, front or rear panel mount receptacle - shell style 02



Dimensions							
Shell Size	A Thread	Ø B	Ø C	D Sq Typ	E Bsc	Ø F ± .003 (.08)	G Thread
8	.5000-1P-.3L-TS-2A	.316 (8.03)	1.150 (29.21)	.850 (21.59)	.660 (16.76)	.096 (2.44) .091 (2.31)	.3750-32 UNEF-2A
9	.5625-1P-.3L-TS-2A	.397 (10.08)	1.230 (31.24)	.913 (23.19)	.723 (18.36)		.4375-28 UNEF-2A
10	.6250-1P-.3L-TS-2A	.472 (11.99)	1.330 (33.78)	.975 (24.76)	.785 (19.94)		.5000-28 UNEF-2A
11	.6875-1P-.3L-TS-2A	.519 (13.18)	1.410 (35.81)	1.039 (26.39)	.848 (21.54)		.5625-24 UNEF-2A
12	.7500-1P-.3L-TS-2A	.585 (14.86)	1.500 (38.10)	1.099 (27.91)	.909 (23.09)		.6250-24 UNEF-2A
13	.8125-1P-.3L-TS-2A	.646 (16.41)	1.590 (40.39)	1.163 (29.54)	.973 (24.71)		.6875-24 UNEF-2A
15	.9375-1P-.3L-TS-2A	.687 (17.45)	1.750 (44.45)	1.288 (32.72)	1.058 (26.87)	.130 (3.30) .126 (3.20)	.7500-20 UNEF-2A
18	1.1250-1P-.3L-TS-2A	.884 (22.45)	2.000 (50.80)	1.475 (37.47)	1.255 (31.88)		.9375-20 UNEF-2A
19	1.1875-1P-.3L-TS-2A	.884 (22.45)	2.094 (53.19)	1.537 (39.04)	1.327 (33.71)		.9375-20 UNEF-2A
21	1.3125-1P-.3L-TS-2A	1.003 (25.48)	2.270 (57.66)	1.663 (42.24)	1.452 (36.88)		1.0625-18 UNEF-2A
23	1.4375-1P-.3L-TS-2A	1.134 (28.80)	2.440 (61.98)	1.787 (45.39)	1.570 (39.88)		1.1875-18 UNEF-2A

Square Flange, Rear Panel Mount Cutout Dimensions			
Shell Size	P Bsc	Ø R	Ø S
8	.660 (16.76)	.515 (13.08)	.096 (2.44) .091 (2.31)
9	.723 (18.36)	.578 (14.68)	
10	.785 (19.94)	.640 (16.26)	
11	.848 (21.54)	.703 (17.86)	
12	.909 (23.09)	.765 (19.43)	
13	.973 (24.71)	.828 (21.03)	
15	1.058 (26.87)	.953 (24.21)	.130 (3.30) .126 (3.20)
18	1.255 (31.88)	1.140 (28.96)	
19	1.327 (33.71)	1.203 (30.56)	
21	1.452 (36.88)	1.328 (33.73)	
23	1.570 (39.88)	1.453 (36.91)	

Materials and Finishes

- Connector shell: aluminum or stainless steel / see how to order table
- Insulators: high-grade rigid dielectric / N.A
- Interfacial seal: fluorosilicone rubber, blue
- Contact: copper alloy, gold plate per ASTM B 488, Type II, Code C, Class 1.25 over a suitable underplate

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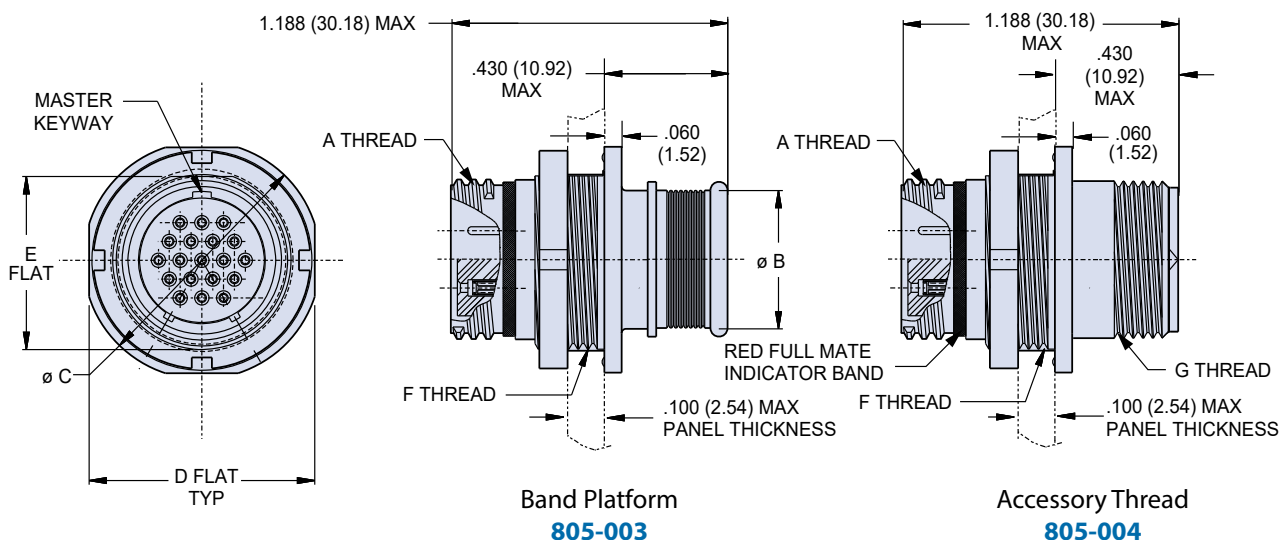
Rev. 06.04.19

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Series 805 Mighty Triple-Start ACME Thread Receptacle with Banding Platform or Accessory Thread 805-003 and 805-004 Shell Style -07 Dimensions

Jam-nut, rear panel mount receptacle - shell style 07



Dimensions							
Shell Size	A Thread .1P-.3L-TS-2A	Ø B	Ø C	D Flat	E Flat	F Threads	G Accessory Thread
8	.5000	.316 (8.03)	.760 (19.30)	.730 (18.54)	.535 (13.59)	.5625-28 UNEF-2A	.3750-32 UNEF-2A
9	.5625	.397 (10.08)	.880 (22.35)	.850 (21.59)	.661 (16.79)	.6875-28 UN-2A	.4375-28 UNEF-2A
10	.6250	.472 (11.99)	.880 (22.35)	.850 (21.59)	.661 (16.79)	.6875-28 UN-2A	.5000-28 UNEF-2A
11	.6875	.519 (13.18)	.955 (24.26)	.925 (23.50)	.721 (18.31)	.7500-28 UN-2A	.5625-24 UNEF-2A
12	.7500	.585 (14.86)	1.060 (26.92)	1.035 (26.29)	.784 (19.91)	.8125-28 UN-2A	.6250-24 UNEF-2A
13	.8125	.646 (16.41)	1.120 (28.45)	1.090 (27.69)	.843 (21.41)	.8750-28 UN-2A	.6875-24 UNEF-2A
15	.9375	.687 (17.45)	1.203 (30.56)	1.173 (29.79)	.970 (24.64)	1.0000-28 UN-2A	.7500-20 UNEF-2A
18	1.1250	.884 (22.45)	1.389 (35.28)	1.359 (34.52)	1.147 (29.13)	1.1875-28 UN-2A	.9375-20 UNEF-2A
19	1.1875	.884 (22.45)	1.450 (36.83)	1.420 (36.07)	1.221 (31.01)	1.2500-28 UN-2A	.9375-20 UNEF-2A
21	1.3125	1.003 (25.48)	1.590 (40.39)	1.560 (39.62)	1.350 (34.29)	1.3750-28 UN-2A	1.0625-18 UNEF-2A
23	1.4375	1.134 (28.80)	1.705 (43.31)	1.675 (42.55)	1.470 (37.34)	1.5000-28 UN-2A	1.1875-18 UNEF-2A

Jam-Nut, Rear Panel Mount Cutout Dimensions		
Shell Size	N Flat	Ø P
8	.545 (13.84)	.572 (14.53)
	.541 (13.74)	.567 (14.40)
9	.671 (17.04)	.698 (17.73)
	.667 (16.94)	.693 (17.60)
10	.671 (17.04)	.698 (17.73)
	.667 (16.94)	.693 (17.60)
11	.731 (18.57)	.760 (19.30)
	.727 (18.47)	.755 (19.18)
12	.794 (20.17)	.822 (20.88)
	.790 (20.07)	.817 (20.75)
13	.851 (21.62)	.885 (22.48)
	.847 (21.51)	.881 (22.38)
15	.980 (24.89)	1.010 (25.65)
	.976 (24.79)	1.005 (25.53)
18	1.157 (29.39)	1.198 (30.43)
	1.153 (29.29)	1.193 (30.30)
19	1.231 (31.27)	1.260 (32.00)
	1.227 (31.17)	1.255 (31.88)
21	1.358 (34.49)	1.383 (35.13)
	1.354 (34.39)	1.381 (35.08)
23	1.480 (37.59)	1.510 (38.35)
	1.476 (37.49)	1.505 (38.23)

Materials and Finishes

- Connector shell: aluminum or stainless steel / see how to order table
- Insulators: high-grade rigid dielectric / N.A
- Interfacial seal: fluorosilicone rubber, blue
- Contact: copper alloy, gold plate per ASTM B 488, Type II, Code C, Class 1.25 over a suitable underplate

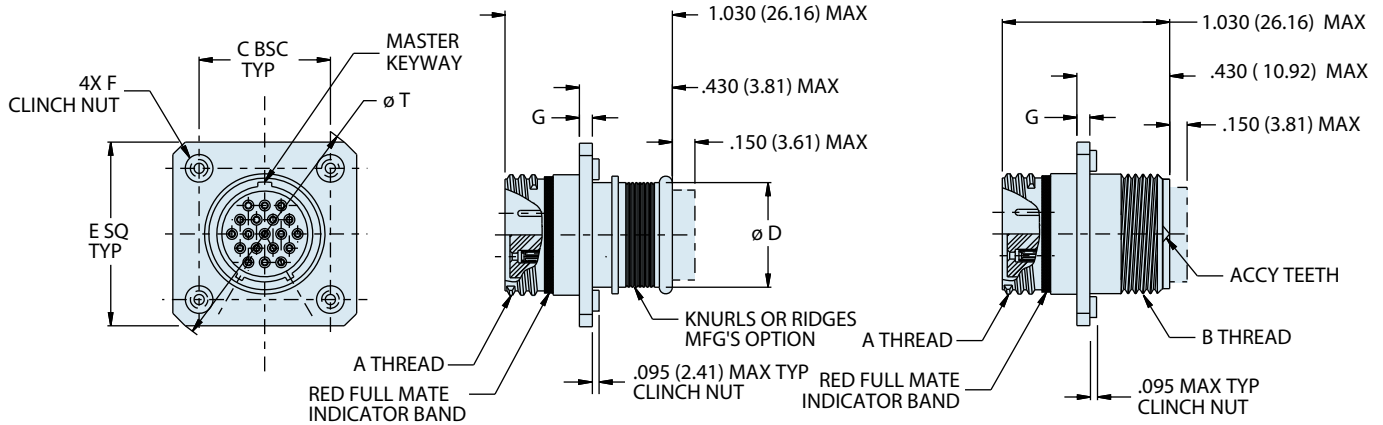
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Series 805 Mighty Triple-Start ACME Thread Receptacle with Banding Platform or Accessory Thread 805-003 and 805-004 Shell Style -12 and -22 Dimensions



Series 805

Square flange, rear panel mount receptacle with clinch nuts - shell style 12/22



Band Platform
805-003

Accessory Thread
805-004

Dimensions								
Shell Size	A Thread	B Thread	C BSC	Ø D	E SQ	Ø T	F Clinch Nuts	G
8	.5000-1P-3L-TS-2A	.3750-32 UNEF-2A	.660 (16.76)	1.194 (30.33)	.920 (23.37)	1.194 (30.33)	2-56	.030 (0.76)
9	.5625-1P-3L-TS-2A	.4375-28 UNEF-2A	.723 (18.36)	1.283 (32.59)	.983 (24.97)	1.283 (32.59)		
10	.6250-1P-3L-TS-2A	.5000-28 UNEF-2A	.785 (19.94)	1.371 (34.82)	1.045 (26.54)	1.371 (34.82)		
11	.6875-1P-3L-TS-2A	.5625-24 UNEF-2A	.848 (21.54)	1.460 (37.08)	1.104 (28.04)	1.460 (37.08)		
12	.7500-1P-3L-TS-2A	.6250-24 UNEF-2A	.909 (23.09)	1.546 (39.27)	1.169 (29.69)	1.546 (39.27)		
13	.8125-1P-3L-TS-2A	.6875-24 UNEF-2A	.973 (24.71)	1.637 (41.58)	1.233 (31.32)	1.637 (41.58)		
15	.9375-1P-3L-TS-2A	.7500-20 UNEF-2A	1.058 (26.87)	1.817 (46.15)	1.378 (35.00)	1.817 (46.15)	4-40	.060
18	1.1250-1P-3L-TS-2A	.9375-20 UNEF-2A	1.255 (31.88)	2.096 (53.24)	1.575 (40.00)	2.096 (53.24)		
19	1.1875-1P-3L-TS-2A	.9375-20 UNEF-2A	1.327 (33.71)	2.197 (55.80)	1.647 (41.83)	2.197 (55.80)		
21	1.3125-1P-3L-TS-2A	1.0625-18 UNEF-2A	1.452 (36.88)	2.380 (60.45)	1.772 (45.01)	2.380 (60.45)		
23	1.4375-1P-3L-TS-2A	1.1875-18 UNEF-2A	1.570 (39.88)	2.541 (64.54)	1.890 (48.01)	2.541 (64.54)		

Square Flange, Rear Panel Mount Cutout Dimensions			
Shell Size	P Bsc	Ø R	Ø S
8	.660 (16.76)	.515 (13.08)	.096 (2.44)
9	.723 (18.36)	.578 (14.68)	
10	.785 (19.94)	.640 (16.26)	
11	.848 (21.54)	.703 (17.86)	
12	.909 (23.09)	.765 (19.43)	
13	.973 (24.71)	.828 (21.03)	.130 (3.30)
15	1.058 (26.87)	.953 (24.21)	
18	1.255 (31.88)	1.140 (28.96)	
19	1.327 (33.71)	1.203 (30.56)	.126 (3.20)
21	1.452 (36.88)	1.328 (33.73)	
23	1.570 (39.88)	1.453 (36.91)	

Materials and Finishes

- Connector shell: aluminum or stainless steel / see how to order table
- Insulators: high-grade rigid dielectric / N.A
- Interfacial seal: fluorosilicone rubber, blue
- Contact: copper alloy, gold plate per ASTM B 488, Type II, Code C, Class 1.25 over a suitable underplate

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