Mighty Mouse Connectors and Cables

Environmental Receptacles with Integral Shield Termination Platform or Accessory Threads



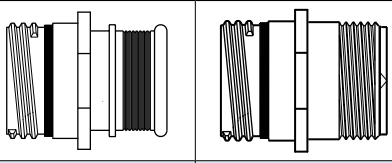
Series 805 Environmental Receptacles feature gold-plated crimp contacts, held in place with beryllium copper retention clips. Series supports signal, power, coax (RF), and high-speed twinax and quadrax, sizes #23, #20, #20HD, #16, #12, and #8. Select integral band platform for direct attachment of a cable shield. Platform includes boot groove for easy installation of environmental shrink boot. Select accessory thread for attachment of backshells or strain relief clamps.

How To Order

Sample Part Number	805-004	-02	NF	9-10	P	A
Series (See Table I)	**805-003** = Receptacle with Banding Platform **805-004** = Receptacle with Accessory Thread					
Shell Style (See Table II)	**-01** = In-line **-02** = Square Flange Front or Rear Mount **-12** = Square Flange Rear Mount Non-Locking Clinch Nuts* **-22** = Square Flange Rear Mount Locking Clinch Nuts* **-07** = Jam-Nut for Rear Panel Mounting					
Shell Material and Finish	**C** = Aluminum / Black Anodize (Non-Conductive); RoHS Compliant **M** = Aluminum / Electroless Nickel; RoHS Compliant **MT** = Aluminum / Nickel-PTFE RoHS Compliant **NF** = Aluminum / Cadmium with Olive Drab Chromate **ZNU** = Aluminum / Zinc-Nickel with Black Chromate **Z1** = Stainless Steel / Passivated; RoHS Compliant **ZB** = Stainless Steel / Olive Drab Chromate over Cadmium **ZC** = Stainless Steel / Zinc Cobalt Alloy/Black Chromate					
Shell Size - Insert Arrangement	See Contact Arrangements Page J-6					
Contact Type	**Connector supplied with crimp contacts** **P** = Pin **G** = #23 Pin with 30 AWG Crimp Barrel **S** = Socket **H** = #23 Socket with 30 AWG Crimp Barrel **Connector supplied without contacts** **A** = Pin Connector, less contacts **B** = Socket Connector, less contacts For coax contacts, order contacts separately and order connector without contacts.					
Shell Key Positions (See Table III)	**A** = Normal **B** = Pos. B **C** = Pos. C **D** = Pos. D **E** = Pos. E **F** = Pos. F					

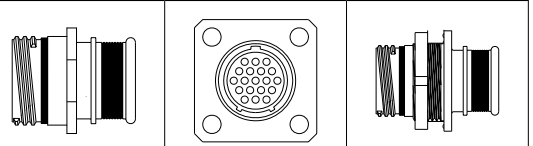
* Consult Factory for SST Material

Table I: Series



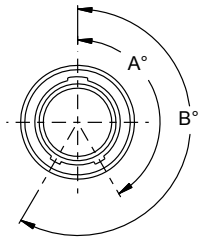
805-003 Receptacle with Banding Platform	805-004 Receptacle with Accessory Thread

Table II: Shell Style



-01 In-line Receptacle	-02, -12, -22 Square Flange	-07 Jam-Nut

Table III: Keyway Positions



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

NOTES

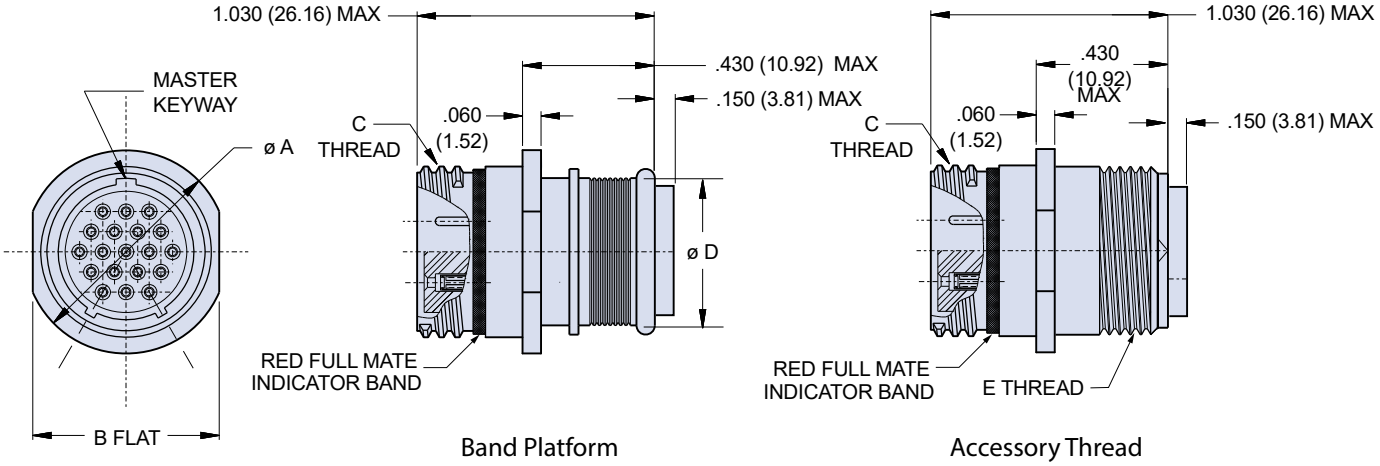
1. Contacts are crimp type and used in rear release retention system
2. This receptacle mates with all quick coupling high density plug connectors with same polarization and opposite contact gender
3. For all insert arrangements with size #8 contacts add .227" to overall length
4. Grommet protrudes for power/combo/#8 arrangements
5. Maximum panel thickness for 01, 02, 12, and 22 is .100 (2.54) max
6. See J-11 for panel cut-out dimensions

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Mighty Mouse Connectors and Cables

Square Flange Receptacle with Integral Shield Termination Platform or Accessory Threads

IN-LINE CABLE RECEPTACLE - SHELL STYLE 01



Band Platform
805-003

Accessory Thread
805-004

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

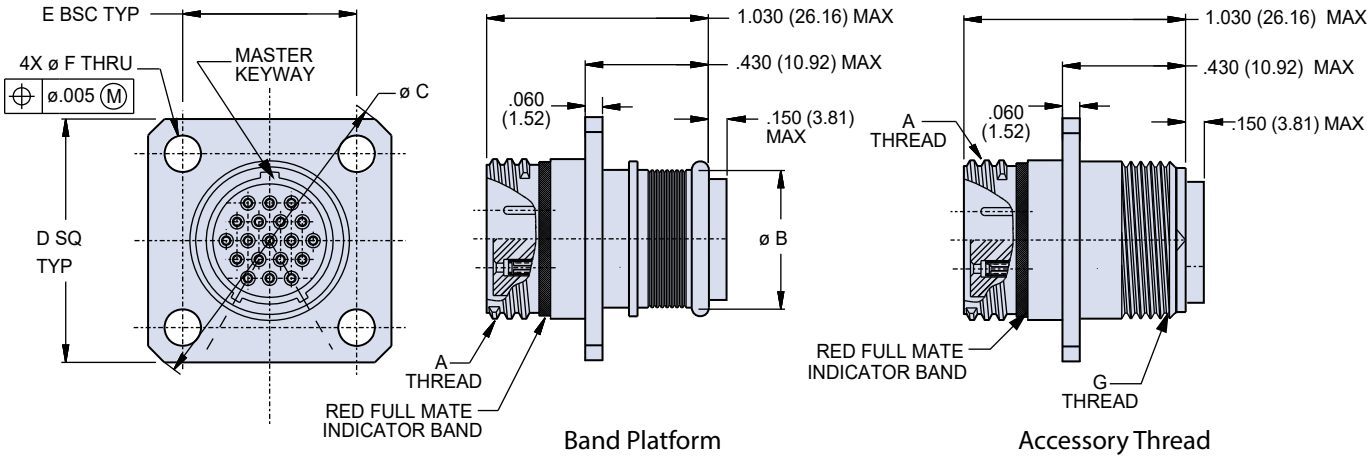
Materials and Finishes

- 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

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Square Flange Receptacle with Integral Shield Termination Platform or Accessory Threads

SQUARE FLANGE, FRONT OR REAR PANEL MOUNT RECEPTACLE - SHELL STYLE 02



Band Platform
805-003

Accessory Thread
805-004

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

Materials and Finishes

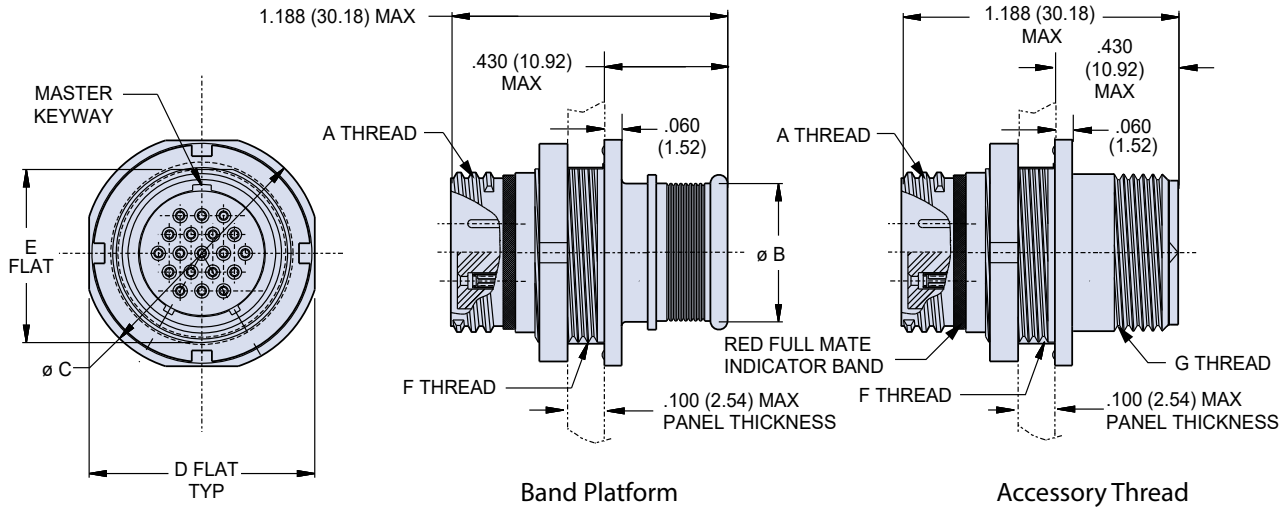
- Connector shell: aluminum or stainless steel / see how to order table
- Insulators: high-grade rigid dielectric / N.A
- Interfacial seal: fluorosilicone rubber, blue
- Contact: copper alloy, gold plate per ASTM B 488, Type II, Code C, Class 1.25 over a suitable underplate

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Mighty Mouse Connectors and Cables

Jam-Nut Receptacle with Integral Shield Termination Platform or Accessory Thread

JAM-NUT, REAR PANEL MOUNT RECEPTACLE - SHELL STYLE 07



Band Platform
805-003

Accessory Thread
805-004

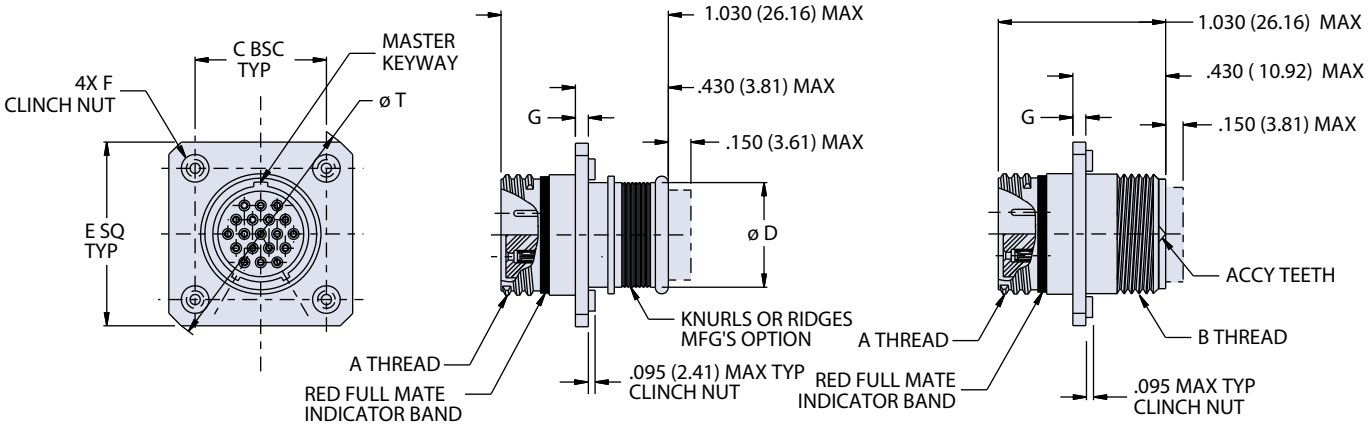
Dimensions							
Shell Size	A Thread .1P-.3L-TS-2A	Ø B	Ø C	D Flat	E Flat	F Threads	G Accessory Thread
8	.5000	.316 (8.03)	.760 (19.30)	.730 (18.54)	.535 (13.59)	.5625-28 UNEF-2A	.3750-32 UNEF-2A
9	.5625	.397 (10.08)	.880 (22.35)	.850 (21.59)	.661 (16.79)	.6875-28 UN-2A	.4375-28 UNEF-2A
10	.6250	.472 (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

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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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)		

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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