



# Series 805 Mighty Mouse Triple-Start ACME Thread Plug with Crimp Contacts

## 805-001 and 805-002 Ordering Information



**Series 805 Plugs:** feature two shell styles including and Integral platform for direct shield attachment using Band-Master™ ATS termination system or accessory thread for attaching a connector backshell for strain relief. EMI ground spring achieves low shell-to-shell resistance. This nickel-plated beryllium copper spring enables the Series 805 to meet greater than 60 dB

shielding effectiveness from 100 MHz to 15 GHz. Coupling features an anti-decoupling ratchet mechanism in the coupling nut that locks into radial teeth on the plug barrel. This feature allows the Series 805 to stay mated even when under high vibration, without the need for safety wire or torque tools. Crimp removable contacts

### How To Order

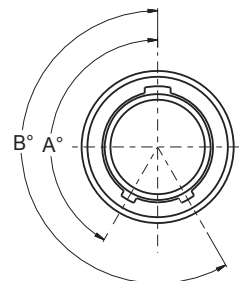
| Sample Part Number                 | 805-001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | -16 | M | 8-4 | P | A |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|-----|---|---|
| Series (See Table I)               | <b>805-001</b> = Plug with Banding Platform<br><b>805-002</b> = Plug with Accessory Thread                                                                                                                                                                                                                                                                                                                                                                                                                          |     |   |     |   |   |
| Shell Style                        | <b>-16</b> = Plug Connector with Anti-Decoupling Mechanism                                                                                                                                                                                                                                                                                                                                                                                                                                                          |     |   |     |   |   |
| Shell Material and Finish          | <b>C</b> = Aluminum / Black Anodize (Non-Conductive); RoHS Compliant<br><b>M</b> = Aluminum / Electroless Nickel; RoHS Compliant<br><b>MT</b> = Aluminum / Nickel-PTFE RoHS Compliant<br><b>NF</b> = Aluminum / Cadmium with Olive Drab Chromate<br><b>ZN</b> = Aluminum / Zinc-Nickel with Olive Drab Chromate<br><b>ZNU</b> = Aluminum / Zinc-Nickel with Black Chromate<br><b>Z1</b> = Stainless Steel / Passivated; RoHS Compliant                                                                              |     |   |     |   |   |
| Shell Size - Insert Arrangement    | See Contact Arrangements Page H-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |   |     |   |   |
| Contact Type                       | <div> <b>With contacts</b><br/> <b>P</b> = Pin<br/> <b>S</b> = Socket<br/>           Connectors ordered with contacts supplied do not come pre installed.<br/>           Coaxial contacts and non-standard signal contacts are ordered separately.         </div> <div> <b>Without contacts</b><br/> <b>A</b> = Pin Connector, less contacts<br/> <b>B</b> = Socket Connector, less contacts         </div> <div> <b>With 30 AWG Crimp Barrel</b><br/> <b>G</b> = #23 Pin<br/> <b>H</b> = #23 Socket         </div> |     |   |     |   |   |
| Shell Key Positions (See Table II) | <b>A</b> = Normal <b>B</b> = Pos. B <b>C</b> = Pos. C <b>D</b> = Pos. D <b>E</b> = Pos. E <b>F</b> = Pos. F                                                                                                                                                                                                                                                                                                                                                                                                         |     |   |     |   |   |

Table I: Series

|                                              |                                              |
|----------------------------------------------|----------------------------------------------|
|                                              |                                              |
| <b>805-001</b><br>Plug with Banding Platform | <b>805-002</b><br>Plug with Accessory Thread |

Table II: Key Positions

| Key Position      | Key Rotation |      |
|-------------------|--------------|------|
|                   | A            | B    |
| <b>A</b> (Normal) | 150°         | 210° |
| B                 | 75°          | 210° |
| C                 | 95°          | 230° |
| D                 | 140°         | 275° |
| E                 | 75°          | 275° |
| F                 | 95°          | 210° |



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

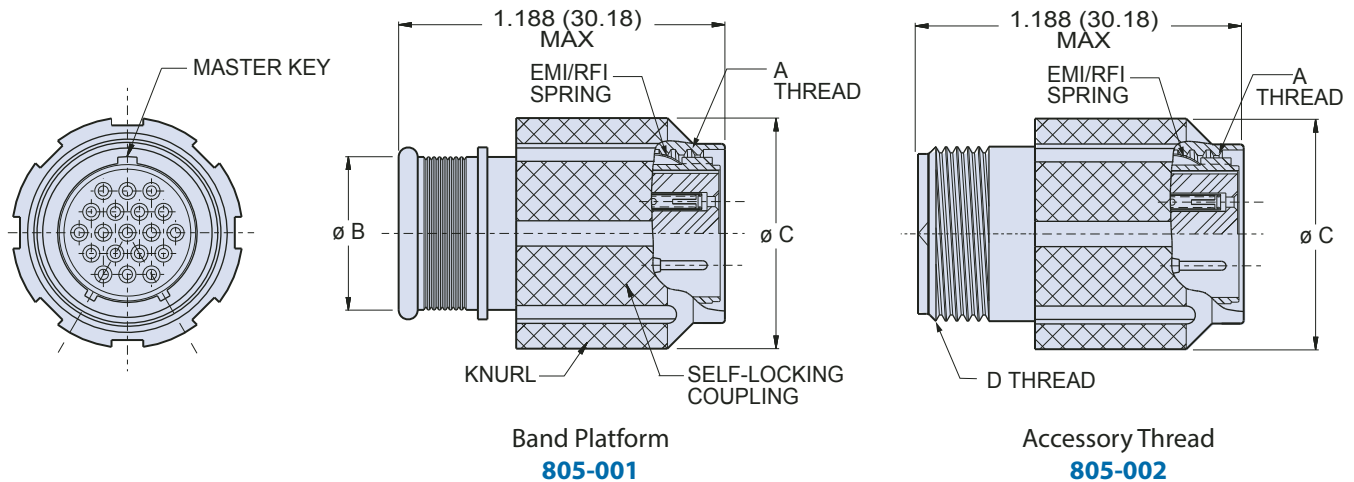
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## 805-001 and 805-002 Dimensions



Series 805

### Plug connector - Shell Style 16



| Dimensions |                      |               |               |                       |
|------------|----------------------|---------------|---------------|-----------------------|
| Shell Size | A Thread             | Ø B           | Ø C           | D Thread<br>Accessory |
| 8          | .5000-.1P-.3L-TS-2B  | .317 (8.05)   | .692 (17.58)  | .3750-32 UNEF-2A      |
| 9          | .5625-.1P-.3L-TS-2B  | .397 (10.08)  | .789 (20.04)  | .4375-28 UNEF-2A      |
| 10         | .6250-.1P-.3L-TS-2B  | .473 (12.01)  | .827 (21.01)  | .5000-28 UNEF-2A      |
| 11         | .6875-.1P-.3L-TS-2B  | .519 (13.18)  | .918 (23.32)  | .5625-24 UNEF-2A      |
| 12         | .7500-.1P-.3L-TS-2B  | .585 (14.86)  | .984 (24.99)  | .6250-24 UNEF-2A      |
| 13         | .8125-.1P-.3L-TS-2B  | .646 (16.41)  | 1.047 (26.59) | .6875-24 UNEF-2A      |
| 15         | .9375-.1P-.3L-TS-2B  | .687 (17.45)  | 1.098 (27.89) | .7500-20 UNEF-2A      |
| 18         | 1.1250-.1P-.3L-TS-2B | .884 (22.45)  | 1.287 (32.69) | .9375-20 UNEF-2A      |
| 19         | 1.1875-.1P-.3L-TS-2B | .884 (22.45)  | 1.311 (33.30) | .9375-20 UNEF-2A      |
| 21         | 1.3125-.1P-.3L-TS-2B | 1.003 (25.48) | 1.448 (36.78) | 1.0625-18 UNEF-2A     |
| 23         | 1.4375-.1P-.3L-TS-2B | 1.135 (28.83) | 1.562 (39.67) | 1.1875-18 UNEF-2A     |

### NOTES

1. This connector mates with all quick coupling high density plug connectors with same polarization and opposite contact gender 805-001, 805-002
2. For additional insert arrangements consult factory
3. Contacts are non removable and connector is back potted

### Materials and Finishes

- Connector Shell: Aluminum or Stainless Steel
- Insulator: High-grade rigid dielectric
- Seals: Fluorosilicone Rubber, Blue
- Pin Contact: Copper Alloy, Gold over Nickel Plating
- Socket Contact: Copper Alloy, Gold over Nickel Plating, with SST Hood
- Contact Retainer Clip: Beryllium Copper, Unplated

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Series 80 Mighty Mouse

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