



# SERIES 800 UN THREAD MATING Mighty Mouse Connectors and Cables



## Plug with Hex or Knurled Coupling, Crimp Contacts, Banding Porch, or Accessory Thread



**Smallest Mighty Mouse Connector** features a compact size and rugged design for hostile environments. Connector shells are machined aluminum or stainless steel. Supplied with crimp contacts, packaged separately. Terminate contacts with standard M22520 tools. Metal clips inside the connector body lock contact into place and can be removed via the rear release retention system. Fluorosilicone seals and rear grommet protect connector from water ingress. Choose hex or knurled coupling nut. Terminate cable shield directly to connector body with Band-Master™ ATS strap, or choose rear accessory thread to attach optional cable clamp or backshell. Available in shell sizes 5 through 12 in 36 contact arrangements.

| How To Order                              |  |            |   |            |   |          |
|---|--|------------|---|------------|---|----------|
| <b>Sample Part Number</b>                 | <b>800-006</b>   | <b>-06</b> | <b>M</b>  | <b>6-7</b> | <b>P</b>  | <b>N</b> |
| <b>Series (See Table I)</b>               | <b>800-006</b> = Hex Plug with Banding Platform<br><b>800-007</b> = Hex Plug with Accessory Thread<br><b>800-008</b> = Plug with Band Platform<br><b>800-009</b> = Plug with Accessory Thread  |            |   |            |   |          |
| <b>Shell Style</b>                        | <b>-06</b> = Standard Coupling Nut<br><b>-16</b> = Coupling Nut with Anti-Decoupling Wave Spring   |            |   |            |   |          |
| <b>Shell Material and Finish</b>          | <b>C</b> = Aluminum / Black Anodize (Non-Conductive)<br><b>M</b> = Aluminum / Electroless Nickel<br><b>NF</b> = Aluminum / Cadmium with Olive Drab Chromate<br><b>ZNU</b> = Aluminum / Zinc-Nickel with Black Chromate<br><b>MT</b> = Aluminum / Nickel-PTFE<br><b>Z1</b> = Stainless Steel / Passivated |            |   |            |   |          |
| <b>Shell Size - Insert Arrangement</b>    | See Contact Arrangements page D-4  |            |   |            |   |          |
| <b>Contact Type</b>                       | <b>Connector supplied with contacts</b><br><b>P</b> = Pin<br><b>S</b> = Socket   |            | <b>Connector supplied without contacts</b><br><b>A</b> = Pin Connector<br><b>B</b> = Socket Connector |            | <b>Connector supplied with 30 AWG contacts</b><br><b>G</b> = Pin<br><b>H</b> = Socket |          |
|   | Connectors with contacts are supplied with crimp contacts. Contacts not installed. For Coaxial contacts order contacts separately and request pin or socket connector without contacts.  |            |   |            |   |          |
| <b>Shell Key Positions (See Table II)</b> | <b>N</b> = Normal <b>X</b> = Pos. X <b>Y</b> = Pos. Y <b>Z</b> = Pos. Z  |            |   |            |   |          |

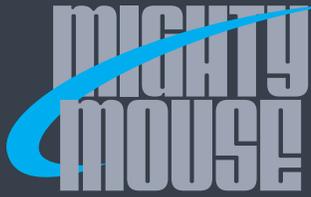
**Table I: Series**

|  |  |   |  |
|--|--|---|--|
|  |  |   |  |
| <b>800-006</b><br>Hex Plug with Banding Platform | <b>800-007</b><br>Hex Plug with Accessory Thread | <b>800-008</b><br>Knurled Plug with Band Platform | <b>800-009</b><br>Knurled Plug with Accessory Thread |

**Table III: Keyway Positions (See Note 5 and 6)**

| Shell Size 5 and 6 | Shell Size 7 thru 12 |
|--------------------|----------------------|
|                    |                      |
| Key Position       | Key Rotation         |
| <b>N</b> Normal    | 150°                 |
| <b>X</b>           | 140°                 |
| <b>Y</b>           | 130°                 |
| <b>Z</b>           | 120°                 |

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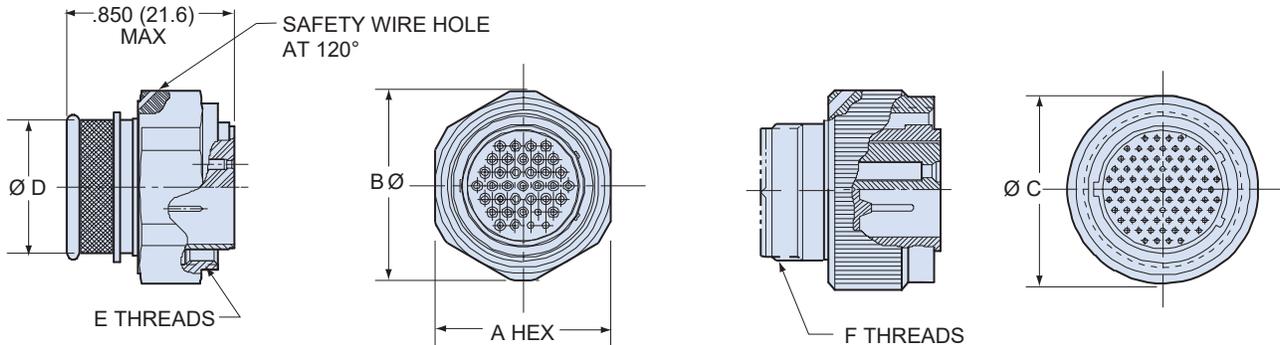
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Mighty Mouse Connectors and Cables



Plug with Hex or Knurled Coupling, Crimp Contacts, Banding Porch, or Accessory Thread

PLUG CONNECTOR WITH BANDING PORCH OR ACCESSORY THREADS



**Integral Band Platform**  
(Hex Coupling Shown)  
**800-006**  
**800-008**

**Hex Coupling Nut**  
**800-006**  
**800-007**

**Accessory Thread**  
(Knurled Coupling Shown)  
**800-007**  
**800-009**

**Knurled Coupling**  
**800-008**  
**800-009**

| Dimensions |                             |             |             |  |              |             |              |                        |                     |
|------------|-----------------------------|-------------|-------------|--|--------------|-------------|--------------|------------------------|---------------------|
| Shell Size | Std Coupling Nut - Style 06 |             |             | Coupling Nut with Wave Spring - Style 16 |              |             | Ø D          | E Threads Coupling Nut | F Threads Accessory |
|            | A Hex                       | Ø B         | Ø C         | A Hex                                    | B Ø          | Ø C         |              |                        |                     |
| 5          | .430 (10.92)                | .47 (11.94) | .43 (10.92) | .495 (12.57)                             | .54 (13.72)  | .49 (12.45) | .230 (5.84)  | .3125-28 UN-2B         | .250-32 UNEF-2A     |
| 6          | .500 (12.70)                | .55 (13.97) | .50 (12.70) | .563 (14.30)                             | .62 (15.75)  | .56 (14.22) | .286 (7.26)  | .3750-28 UN-2B         | .3125-32 UNEF-2A    |
| 7          | .625 (15.88)                | .68 (17.27) | .62 (15.75) | .720 (18.29)                             | .80 (20.32)  | .68 (17.27) | .390 (9.91)  | .4375-28 UNEF-2B       | .4375-28 UNEF-2A    |
| 8          | .680 (17.27)                | .75 (19.05) | .68 (17.27) | .743 (18.87)                             | .83 (21.08)  | .75 (19.05) | .445 (11.30) | .5000-32 UN-2B         | .5000-28 UNEF-2A    |
| 9          | .750 (19.05)                | .83 (21.08) | .75 (19.05) | .813 (20.65)                             | .89 (22.61)  | .81 (20.57) | .500 (12.70) | .5625-32 UN-2B         | .5625-24 UNEF-2A    |
| 10         | .812 (20.62)                | .90 (22.86) | .81 (20.57) | .875 (22.23)                             | .96 (24.38)  | .88 (22.35) | .565 (14.35) | .6250-32 UN-2B         | .6250-24 UNEF-2A    |
| 12         | .875 (22.23)                | .97 (24.64) | .88 (22.35) | .938 (23.83)                             | 1.03 (26.16) | .94 (23.88) | .650 (16.51) | .7500-28 UN-2B         | .6875-24 UNEF-2A    |

NOTES

- Contacts are size 23 crimp type, and used in a rear release retention system
- Additional insert arrangements available, consult factory
- Crimp barrel accommodates 22, 24, 26 and 28 gage wire
- Crimp tool data:
  - Crimp frame: M22520/2-01
  - Positioner for use with crimp frame: Glenair P/N 809-005
  - Insertion tool: Glenair P/N 809-088
  - Extraction tool: Glenair P/N 809-088
- Shell sizes 5 thru 6: master key is located at top dead center (TDC) for normal (N) position.
- Shell size 7 thru 12: master key is rotated 90° from TDC for normal position
- Material / finish:
  - Shell: Aluminum Alloy or CRES / see How to Order Table
  - Coupling nut: aluminum alloy or CRES: see How to Order Table
  - Insulator: High Grade Rigid Dielectric
  - Interfacial seal, grommet seal: fluorosilicone or silicone
  - Contact: copper alloy / gold plate per ASTM B 488, Type II, Class 1.25, over a suitable underplate