

# Series 800 Mighty Mouse with UN Mating Thread Plug Connector Ordering Information

800-006 Thru 800-009



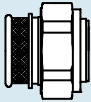
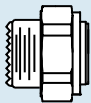
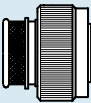
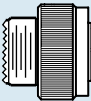
Series 800



**Series 800 Plug Connector**

Glenair's smallest Mighty Mouse connector has compact size and rugged design for hostile environments. UN mating thread. Connector shells are machined aluminum or stainless steel. Supplied with crimp contacts, packaged separately. Terminate contacts with standard M2520 tools. Metal clips inside the connector body lock contact into place. Contacts are removable. 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-IT strap, or choose rear accessory thread to attach optional cable clamp or backshell. Available in shell sizes 5 through 12 in 31 contact arrangements.

C

| HOW TO ORDER                                                                                                                                           |                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Sample Part Number                                                                                                                                     |                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                             |
| 800-006                                                                                                                                                | -06                                                                                                             | M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 7-10                                                    | P                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Z                                                                                                           |
| Series                                                                                                                                                 | Shell Style                                                                                                     | Shell Material / Finish                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Shell Size- Insert Arrangement                          | Contact Type                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Shell Key Position                                                                                          |
|  <p><b>800-006</b><br/>Hex Plug with Banding Platform</p>            | <p><b>-06</b><br/>Standard Coupling Nut</p> <p><b>-16</b><br/>Coupling Nut with Anti-Decoupling Wave Spring</p> | <p><b>C</b><br/>Aluminum / Black Anodize (Non-Conductive)<br/>RoHS Compliant</p> <p><b>M</b><br/>Aluminum / Electroless Nickel<br/>RoHS Compliant</p> <p><b>NF</b><br/>Aluminum / Cadmium with Olive Drab Chromate</p> <p><b>ZN</b><br/>Aluminum / Zinc-Nickel with Olive Drab Chromate</p> <p><b>ZNU</b><br/>Aluminum / Zinc-Nickel with Black Chromate</p> <p><b>MT</b><br/>Aluminum / Nickel-PTFE<br/>RoHS Compliant</p> <p><b>Z1</b><br/>Stainless Steel / Passivated<br/>RoHS Compliant</p> | <p>SEE<br/><b>CONTACT ARRANGEMENTS</b><br/>PAGE C-2</p> | <p><b>Connector supplied with contacts</b></p> <p><b>P</b><br/>Pin</p> <p><b>S</b><br/>Socket</p> <p><b>Connector supplied without contacts</b></p> <p><b>A</b><br/>Pin Connector, less contacts</p> <p><b>B</b><br/>Socket Connector, less contacts</p> <p>Connectors with contacts are supplied with signal and/or power crimp contacts. These contacts are not installed.</p> <p>Coaxial contacts and non-standard signal contacts are ordered separately.</p> | <p><b>N</b><br/>Normal</p> <p><b>X</b><br/>Pos. X</p> <p><b>Y</b><br/>Pos. Y</p> <p><b>Z</b><br/>Pos. Z</p> |
|  <p><b>800-007</b><br/>Hex Plug with Accessory Thread</p>           |                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                             |
|  <p><b>800-008</b><br/>Knurled Round Plug with Band Platform</p>    |                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                             |
|  <p><b>800-009</b><br/>Knurled Round Plug with Accessory Thread</p> |                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                             |

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

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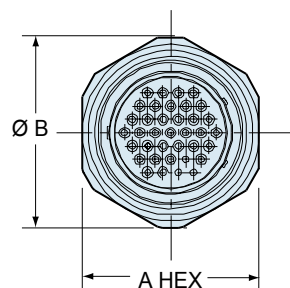
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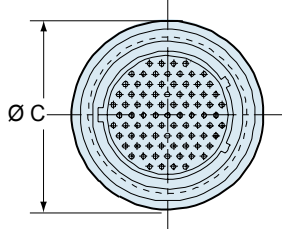
E-Mail: sales@glenair.com

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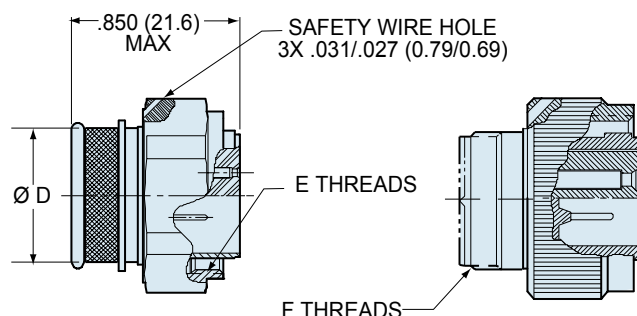
# Series 800 Mighty Mouse with UN Mating Thread Plug Connector Dimensions 800-006 Thru 800-009



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



**Round Knurled  
Coupling Nut**  
800-008  
800-009



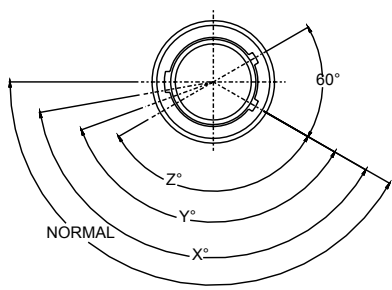
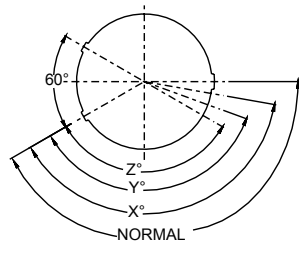
**Integral Band  
Platform**  
800-006  
800-008

**Accessory Threads**  
800-007  
800-009

## DIMENSIONS

| Shell<br>Size | A Hex<br>Style 06 |       | A Hex<br>Style 16 |       | Ø B<br>Style 06 |       | Ø B<br>Style 16 |       | Ø C<br>Style 06 |       | Ø C<br>Style 16 |       | Ø D  |       | E Threads<br>Coupling Nut | F Threads<br>Accessory |
|---------------|-------------------|-------|-------------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|------|-------|---------------------------|------------------------|
|               | In.               | mm.   | In.               | mm.   | In.             | mm.   | In.             | mm.   | In.             | mm.   | In.             | mm.   | In.  | mm.   |                           |                        |
| 5             | .430              | 10.92 | .495              | 12.57 | .470            | 11.94 | .540            | 13.72 | .430            | 10.92 | .490            | 12.45 | .230 | 5.84  | .3125-28 UN-2B            | .250-32 UNEF-2A        |
| 6             | .500              | 12.70 | .563              | 14.30 | .550            | 13.97 | .620            | 15.75 | .500            | 12.70 | .560            | 14.22 | .286 | 7.26  | .3750-28 UN-2B            | .3125-32 UNEF-2A       |
| 7             | .625              | 15.88 | .720              | 18.29 | .680            | 17.27 | .800            | 20.32 | .620            | 15.75 | .680            | 17.27 | .390 | 9.91  | .4375-28 UNEF-2B          | .4375-28 UNEF-2A       |
| 8             | .680              | 17.27 | .743              | 18.87 | .750            | 19.05 | .830            | 21.08 | .680            | 17.27 | .750            | 19.05 | .445 | 11.30 | .5000-32 UN-2B            | .5000-28 UNEF-2A       |
| 9             | .750              | 19.05 | .813              | 20.65 | .830            | 21.08 | .890            | 22.61 | .750            | 19.05 | .810            | 20.57 | .500 | 12.70 | .5625-32 UN-2B            | .5625-24 UNEF-2A       |
| 10            | .812              | 20.62 | .875              | 22.23 | .900            | 22.86 | .960            | 24.38 | .810            | 20.57 | .880            | 23.35 | .565 | 14.35 | .6250-32 UN-2B            | .6250-24 UNEF-2A       |
| 12            | .875              | 22.23 | .938              | 23.83 | .970            | 24.64 | 1.030           | 26.16 | .880            | 22.35 | .940            | 23.88 | .650 | 16.51 | .7500-28 UN-2B            | .6875-24 UNEF-2A       |

## SERIES 800 KEY POSITIONS

| Key Position                                                                                                                                                        | Key Rotation |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Normal (N)                                                                                                                                                          | 150°         |                                                                                      |                                                                                       |
| X                                                                                                                                                                   | 140°         |                                                                                      |                                                                                       |
| Y                                                                                                                                                                   | 130°         |                                                                                      |                                                                                       |
| Z                                                                                                                                                                   | 120°         |                                                                                      |                                                                                       |
| Shell size 5 and 6: master key is located at top dead center for normal (N) position. Shell size 7 thru 12: master key is rotated 90° from TDC for normal position. |              | <b>Plug Key Position</b>                                                             | <b>Receptacle Key Position</b>                                                        |

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