

# Series 803 Mighty Mouse ¼ Turn Bayonet Coupling PCB Connector Ordering Information

803-005, 803-015



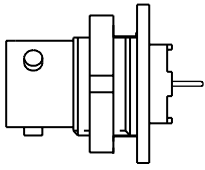
**Series 803 Printed  
Circuit Board Receptacle**

**Printed Circuit Board/Solder Cup Receptacles** feature low profile shells for minimum protrusion inside enclosures and integral standoffs for board washout. Contacts are non-removable.

## **Water Immersion, Unmated**

Specify **803-005** connectors for applications where open face water immersion is not a requirement. For MIL-STD-810 Method 512G immersion requirements, specify **803-015** watertight connectors. These 803-015 connectors are specially sealed ("MOD-518") and are 100% tested to maintain a helium leak rate of  $1 \times 10^{-4}$  cc/second at one atmosphere pressure differential from -40C to +70C. **NOTE: mated connectors are not submersible.**

## HOW TO ORDER SERIES 803 PRINTED CIRCUIT BOARD RECEPTACLES

| Sample Part Number                                                                                                                                                    |                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                |                                                                                                                          |                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 803-005                                                                                                                                                               | -07                                                                                                                | ZN                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6-7                                            | S                                                                                                                        | N                                                                                    |
| Series                                                                                                                                                                | Shell Style                                                                                                        | Shell Material / Finish                                                                                                                                                                                                                                                                                                                                                                                                                    | Shell Size- Insert Arrangement                 | Contact Type                                                                                                             | Shell Key Position                                                                   |
| <b>803-005</b><br>Receptacle for Solder Cup or PCB Termination, with Standard Epoxy Potting                                                                           | <br><b>- 02</b><br>Flange Mount | <b>C</b><br>Aluminum / Black Anodize (Non-Conductive) RoHS Compliant<br><b>M</b><br>Aluminum / Electroless Nickel RoHS Compliant<br><b>NF</b><br>Aluminum / Cadmium with Olive Drab Chromate<br><b>ZN</b><br>Aluminum / Zinc-Nickel with Olive Drab Chromate<br><b>ZNU</b><br>Aluminum / Zinc-Nickel with Black Chromate<br><b>MT</b><br>Aluminum / Nickel-PTFE RoHS Compliant<br><b>Z1</b><br>Stainless Steel / Passivated RoHS Compliant | SEE<br><b>CONTACT ARRANGEMENTS</b><br>PAGE F-2 | <b>P</b><br>Pin, PC Tail<br><b>S</b><br>Socket, PC Tail<br><b>E</b><br>Pin, Solder Cup<br><b>F</b><br>Socket, Solder Cup | <b>N</b><br>Normal<br>Alternative Key Positions:<br><b>X</b><br><b>Y</b><br><b>Z</b> |
| <b>803-015</b><br>Receptacle for Solder Cup or PCB Termination, With Resilient Silicone Potting For Watertight Seal from -40° to +70°C (15 PSI Pressure Differential) | <br><b>- 07</b><br>Jam Nut      |                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                |                                                                                                                          |                                                                                      |

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

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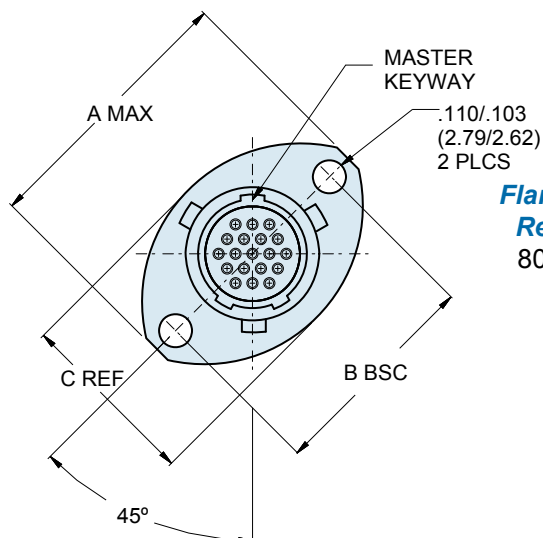
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**F-11**

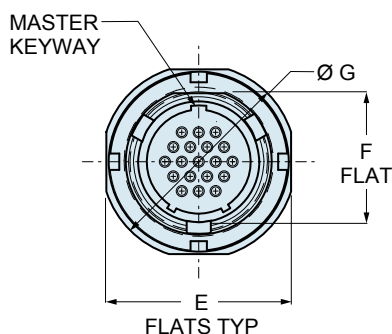
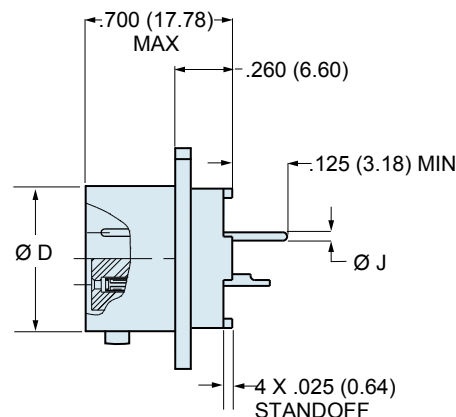
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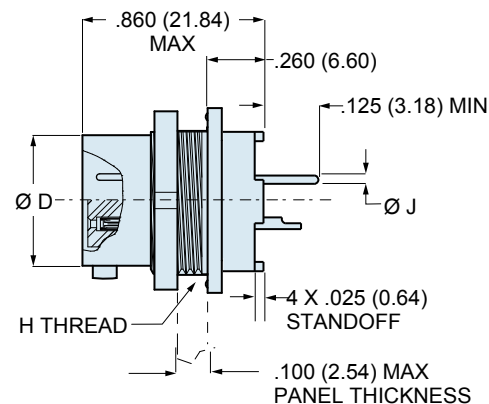
# Series 803 Mighty Mouse ¼ Turn Bayonet Coupling Flange Mount and Jam Nut Receptacle Dimensions 803-005 and 803-015



**Flange Mount  
Receptacle**  
803-005-02



**Jam Nut  
Receptacle**  
803-005-07



## DIMENSIONS

| Shell Size | A Max. |       | B Bsc. |       | C Ref. |       | Ø D  |       | E Flats |       | F Flat |       | Ø G   |       | H Thread         | Ø J Tail Dia.            |
|------------|--------|-------|--------|-------|--------|-------|------|-------|---------|-------|--------|-------|-------|-------|------------------|--------------------------|
|            | In.    | mm.   | In.    | mm.   | In.    | mm.   | In.  | mm.   | In.     | mm.   | In.    | mm.   | In.   | mm.   |                  |                          |
| 5          | .703   | 17.86 | .513   | 13.03 | .460   | 11.68 | .300 | 7.62  | .545    | 13.84 | .350   | 8.89  | .575  | 14.61 | .3750-32 UNEF-2A | #23                      |
| 6          | .788   | 20.02 | .598   | 15.19 | .522   | 13.26 | .362 | 9.19  | .595    | 15.11 | .410   | 10.42 | .635  | 16.13 | .4375-28 UNEF-2A | .018/.022<br>(0.46/0.56) |
| 7          | .890   | 22.61 | .708   | 17.98 | .590   | 14.99 | .436 | 11.07 | .723    | 18.36 | .536   | 13.61 | .755  | 19.18 | .5625-32 UN-2A   | #20                      |
| 8          | 1.154  | 29.31 | .964   | 24.49 | .668   | 16.97 | .508 | 12.91 | .790    | 18.36 | .593   | 14.53 | .755  | 19.18 | .6250-28 UN-2A   | .024/.028<br>(0.61/0.71) |
| 9          | 1.207  | 30.66 | 1.017  | 25.83 | .721   | 18.31 | .561 | 14.25 | .790    | 20.07 | .596   | 15.14 | .830  | 21.08 | .6250-28 UN-2A   | #16                      |
| 10         | 1.291  | 32.79 | 1.101  | 27.97 | .795   | 20.19 | .635 | 16.13 | .925    | 21.72 | .721   | 18.31 | .890  | 22.61 | .7500-28 UN-2A   | .060/.064<br>(1.52/1.63) |
| 12         | 1.394  | 35.41 | 1.204  | 30.58 | .874   | 22.20 | .714 | 18.14 | 1.044   | 26.52 | .845   | 21.46 | 1.078 | 27.38 | .8750-28 UN-2A   | #12                      |
| 14         | 1.545  | 39.24 | 1.280  | 32.51 | 1.050  | 26.67 | .865 | 21.97 | 1.230   | 31.24 | 1.022  | 25.96 | 1.264 | 32.11 | 1.0625-20 UN-2A  | .092/.096<br>(2.34/2.44) |