



# Series 804 Push-Pull Mighty Mouse Receptacle Connector

## 804-003 and 804-004 Ordering Information



In-Line

Rear Panel Mount  
Jam NutFront Panel Mount  
Jam Nut

### Integral Band Platform

for direct attachment of a cable shield. Install a boot, or overmold directly onto the band platform. Or, choose an accessory thread for attaching strain reliefs and backshells.

### Watertight, Shielded

O-ring inside the receptacle provides a dynamic seal when mated. Gold-plated spring provides secure mechanical retention and low shell-to-shell resistance for excellent EMI shielding.

### Three Shell Styles

Jam nut with O-ring for front or rear panel mounting, or in-line receptacles for free-hanging cables.

| How To Order                        |                                                                                                                                                                                                                                                                                                                                                                         |         |                                                                                                     |                                                                                                         |      |   |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------|---|
| Sample Part Number                  |                                                                                                                                                                                                                                                                                                                                                                         | 804-003 | -01                                                                                                 | M                                                                                                       | 7-10 | P |
| Series (See Table I)                | <b>804-003</b> = Receptacle with Banding Platform<br><b>804-004</b> = Receptacle with Accessory Thread                                                                                                                                                                                                                                                                  |         |                                                                                                     |                                                                                                         |      |   |
| Shell Style (See Table II)          | <b>-00</b> = Front Panel Mount Jam Nut (See Table V)<br><b>-01</b> = In-Line<br><b>-07</b> = Rear Panel Mount Jam Nut (See Table IV)                                                                                                                                                                                                                                    |         |                                                                                                     |                                                                                                         |      |   |
| 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>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 G-2                                                                                                                                                                                                                                                                                                                                       |         |                                                                                                     |                                                                                                         |      |   |
| Contact Type                        | <b>Connector supplied without contacts</b><br><b>A</b> = Pin, Crimp<br><b>B</b> = Socket, Crimp<br>Connectors with contacts are supplied with signal and/or power crimp contacts. These contacts are not installed.<br>Coaxial contacts and non-standard signal contacts are ordered separately.                                                                        |         | <b>Connector supplied Crimp contacts</b><br><b>P</b> = Pin Connector<br><b>S</b> = Socket Connector | <b>Connector Supplied with 30 AWG Crimp Barrel</b><br><b>G</b> = Pin, Crimp<br><b>H</b> = Socket, Crimp |      |   |
| Shell Key Positions (See Table III) | <b>Omit</b> = Single Master Key <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>804-003</b><br>Receptacle with Banding Platform | <b>804-004</b><br>Receptacle with Accessory Thread |

Table II: Shell Style

|                                                |                                              |                                               |
|------------------------------------------------|----------------------------------------------|-----------------------------------------------|
|                                                |                                              |                                               |
| <b>-00</b><br>Jam Nut for Front Panel Mounting | <b>-01</b><br>In-Line for Free-Hanging Cable | <b>-07</b><br>Jam Nut for Rear Panel Mounting |

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

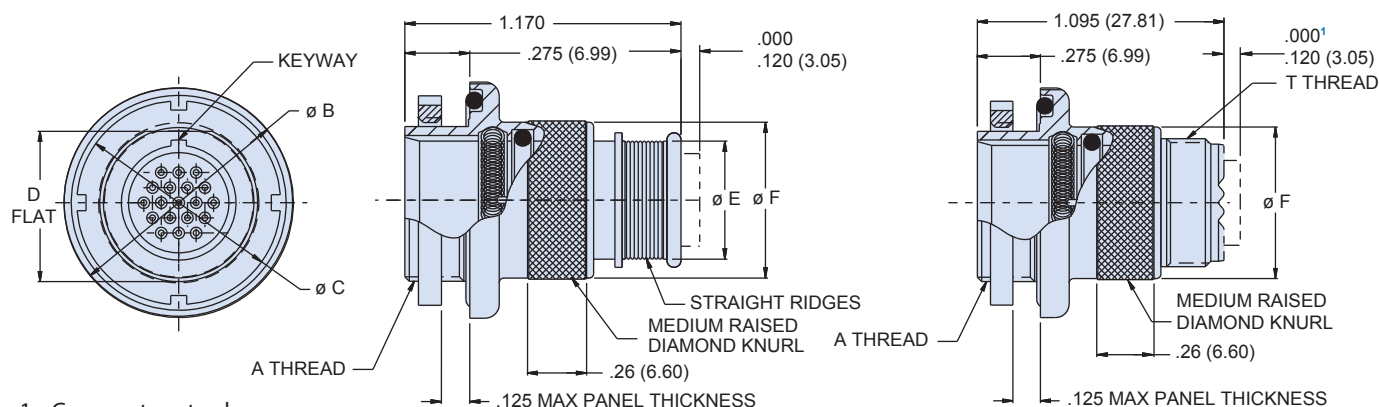
# Series 804 Push-Pull Mighty Mouse Receptacle Connector

804-004-07 and 804-003-07 Dimensions



Series 804

## Jam nut, rear panel mount receptacle - shell style 07



1. Grommet protrudes for power/combo arrangements

### Integral Band Platform

804-003-07

### Accessory Thread

804-004-07

| Dimensions |                 |       |       |       |       |        |       |      |       |       |       |                  |
|------------|-----------------|-------|-------|-------|-------|--------|-------|------|-------|-------|-------|------------------|
| Shell Size | A Thread        | Ø B   |       | Ø C   |       | D Flat |       | Ø E  |       | Ø F   |       | T Threads        |
|            |                 | In.   | mm.   | In.   | mm.   | In.    | mm.   | In.  | mm.   | In.   | mm.   |                  |
| 5          | .4375-32 UN-2A  | .790  | 20.07 | .562  | 14.27 | .415   | 10.54 | .246 | 6.25  | .450  | 11.43 | .2500-32 UNEF-2A |
| 6          | .5000-32 UN-2A  | .830  | 21.08 | .625  | 15.87 | .467   | 14.40 | .286 | 7.26  | .480  | 12.19 | .3125-32 UNEF-2A |
| 7          | .6250-28 UN-2A  | .900  | 22.86 | .750  | 19.05 | .594   | 15.09 | .390 | 9.91  | .580  | 14.73 | .4375-28 UNEF-2A |
| 8          | .6250-28 UN-2A  | .900  | 22.86 | .750  | 19.05 | .594   | 15.09 | .442 | 11.23 | .603  | 15.32 | .5000-28 UNEF-2A |
| 9          | .6875-28 UN-2A  | 1.000 | 25.40 | .812  | 20.62 | .655   | 16.64 | .500 | 12.70 | .695  | 17.65 | .5625-24 UNEF-2A |
| 10         | .7500-28 UN-2A  | 1.085 | 27.48 | .875  | 22.22 | .721   | 18.31 | .564 | 14.33 | .735  | 18.67 | .6250-24 UNEF-2A |
| 11         | .8125-28 UN-2A  | 1.135 | 28.83 | .938  | 23.83 | .788   | 20.02 | .608 | 15.44 | .810  | 20.57 | .6875-24 UNEF-2A |
| 12         | .8750-28 UN-2A  | 1.180 | 29.97 | 1.000 | 25.40 | .843   | 21.41 | .650 | 16.51 | .880  | 22.35 | .6875-24 UNEF-2A |
| 14         | 1.0000-28 UN-2A | 1.325 | 33.66 | 1.125 | 28.57 | .968   | 24.59 | .805 | 20.45 | 1.010 | 25.65 | .9375-20 UNEF-2A |

Table III: Alternate Key Positions

| Pos. | A°   | B°   |
|------|------|------|
| A    | 150° | 210° |
| B    | 75°  | 210° |
| C    | 95°  | 230° |
| D    | 140° | 275° |
| E    | 75°  | 275° |
| F    | 95°  | 210° |

Rear Mount Jam Nut Panel Cutout

| Shell Size | A Flat        |               | Ø B           |               |
|------------|---------------|---------------|---------------|---------------|
|            | In.<br>± .002 | mm.<br>± 0.05 | In.<br>± .005 | mm.<br>± 0.13 |
| 5          | .427/.423     | 10.85/10.74   | .448          | 11.38         |
| 6          | .479/.475     | 12.17/12.07   | .510          | 12.95         |
| 7          | .606/.602     | 15.39/15.29   | .635          | 16.13         |
| 8          | .606/.602     | 15.39/15.29   | .635          | 16.13         |
| 9          | .667/.663     | 16.94/16.84   | .695          | 17.65         |
| 10         | .734/.729     | 18.64/18.52   | .760          | 19.30         |
| 11         | .801/.796     | 20.35/20.22   | .822          | 20.88         |
| 12         | .855/.851     | 21.72/21.62   | .885          | 22.48         |
| 14         | .980/.976     | 24.89/24.79   | 1.010         | 25.65         |

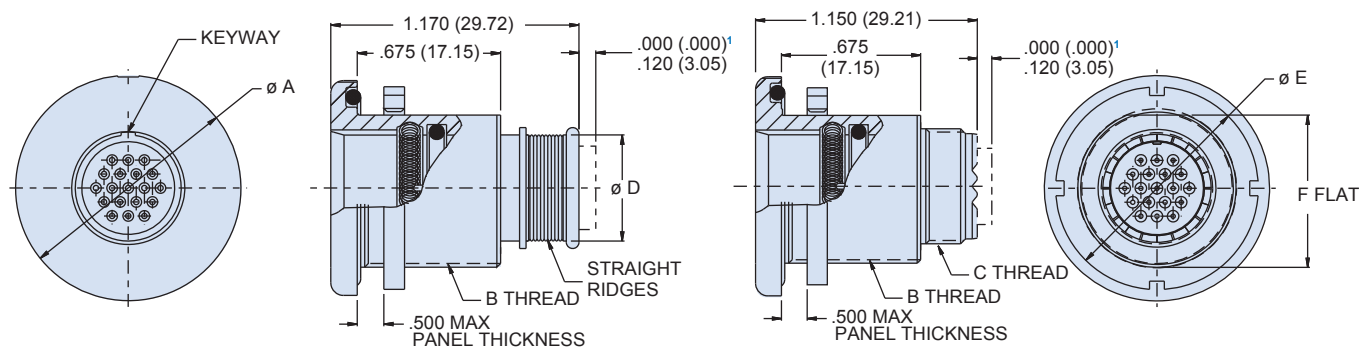
Dimensions in Inches (millimeters) are subject to change without notice.



# Series 804 Push-Pull Mighty Mouse Receptacle Connector

804-004-00 and 804-003-00 Dimensions

## Jam nut, front panel mount receptacle - shell style 00



1. Grommet protrudes for power/combo arrangements

**Integral Band Platform**  
804-003-00

**Accessory Thread**  
804-004-00

| Shell Size | Ø A   |       | B Threads       |                  | C Threads |       | Ø D   |       | Ø E   |       | F Flat |     |
|------------|-------|-------|-----------------|------------------|-----------|-------|-------|-------|-------|-------|--------|-----|
|            | In.   | mm.   |                 |                  |           |       | In.   | mm.   | In.   | mm.   | In.    | mm. |
| 5          | .830  | 21.08 | .5000-32 UN-2A  | .2500-32 UNEF-2A | .246      | 6.25  | .625  | 15.87 | .470  | 11.94 |        |     |
| 6          | .885  | 22.48 | .5625-32 UN-2A  | .3125-32 UNEF-2A | .286      | 7.26  | .688  | 17.47 | .530  | 13.46 |        |     |
| 7          | .995  | 25.27 | .6875-28 UN-2A  | .4375-28 UNEF-2A | .390      | 9.91  | .812  | 20.62 | .663  | 16.84 |        |     |
| 8          | .995  | 25.27 | .6875-28 UN-2A  | .5000-28 UNEF-2A | .442      | 11.23 | .812  | 20.62 | .663  | 16.84 |        |     |
| 9          | 1.075 | 27.31 | .7500-28 UN-2A  | .5625-24 UNEF-2A | .500      | 12.70 | .875  | 22.22 | .720  | 18.29 |        |     |
| 10         | 1.140 | 28.95 | .8125-28 UN-2A  | .6250-24 UNEF-2A | .564      | 14.33 | .938  | 23.82 | .788  | 20.02 |        |     |
| 11         | 1.190 | 30.23 | .8750-28 UN-2A  | .6875-24 UNEF-2A | .608      | 15.44 | 1.000 | 25.4  | .843  | 21.41 |        |     |
| 12         | 1.340 | 34.04 | 1.0000-28 UN-2A | .6875-24 UNEF-2A | .650      | 16.51 | 1.125 | 28.57 | .970  | 24.64 |        |     |
| 14         | 1.390 | 35.31 | 1.0620-20 UN-2A | .9375-20 UNEF-2A | .805      | 20.45 | 1.162 | 29.51 | 1.020 | 25.91 |        |     |

| Front Mount Jam Nut Panel Cutout |                |                |            |            |
|----------------------------------|----------------|----------------|------------|------------|
|                                  |                |                |            |            |
| Shell Size                       | A Flat         |                | Ø B        |            |
|                                  | In. ± .002     | mm. ± 0.05     | In. ± .005 | mm. ± 0.13 |
| 5                                | .482<br>.478   | 12.24<br>12.14 | .510       | 12.95      |
| 6                                | .542<br>.538   | 13.77<br>13.67 | .575       | 14.61      |
| 7                                | .676<br>.671   | 17.17<br>17.04 | .698       | 17.73      |
| 8                                | .676<br>.671   | 17.17<br>17.04 | .698       | 17.73      |
| 9                                | .732<br>.728   | 18.59<br>18.49 | .760       | 19.30      |
| 10                               | .801<br>.796   | 20.35<br>20.22 | .822       | 20.88      |
| 11                               | .855<br>.851   | 21.72<br>21.62 | .885       | 22.48      |
| 12                               | .982<br>.978   | 24.94<br>24.84 | 1.010      | 25.65      |
| 14                               | 1.032<br>1.028 | 26.21<br>26.11 | 1.075      | 27.31      |

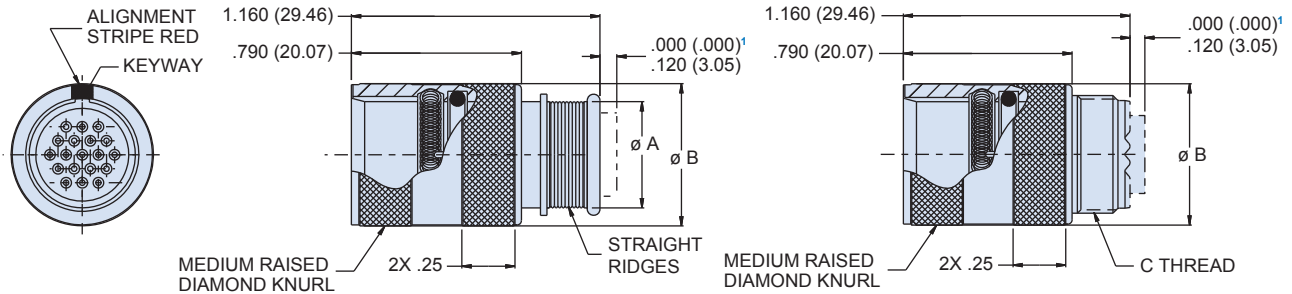
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# Series 804 Push-Pull Mighty Mouse Receptacle Connector 804-004-01 and 804-003-01 Dimensions



Series 804

## Cable receptacle - shell style 01



1. Grommet protrudes for power/combo arrangements

**Integral Band Platform**  
804-003-01

**Accessory Thread**  
804-004-01

| Dimensions |      |       |       |       |                  |
|------------|------|-------|-------|-------|------------------|
| Shell Size | Ø A  |       | Ø B   |       | C Threads        |
|            | In.  | mm.   | In.   | mm.   |                  |
| 5          | .246 | 6.25  | .450  | 11.43 | .2500-32 UNEF-2A |
| 6          | .286 | 7.26  | .480  | 12.19 | .3125-32 UNEF-2A |
| 7          | .390 | 9.91  | .580  | 14.73 | .4375-28 UNEF-2A |
| 8          | .442 | 11.23 | .603  | 15.32 | .5000-28 UNEF-2A |
| 9          | .500 | 12.70 | .695  | 17.65 | .5625-24 UNEF-2A |
| 10         | .564 | 14.33 | .735  | 18.67 | .6250-24 UNEF-2A |
| 11         | .608 | 15.44 | .810  | 20.57 | .6875-24 UNEF-2A |
| 12         | .650 | 16.51 | .880  | 22.35 | .6875-24 UNEF-2A |
| 14         | .805 | 20.45 | 1.010 | 25.65 | .9375-20 UNEF-2A |

G

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