

## SERIES 804 QDC PUSH-PULL

# Mighty Mouse Connectors and Cables



## Panel Mount Plugs with Crimp Contacts and Integral Shield Termination Platform



### Panel Mount Plugs

Feature push/pull action for quick mating and demating of connectors. These small form factor connectors save panel space and come with removable, rear release crimp contacts. Integral band platform allows for termination of cable shield braid using Band-Master ATS® band. Mates with all push/pull high density receptacle connectors with same polarization and opposite contact gender. Fluorosilicone interfacial seal, O-ring and grommet seals provide IP67 sealing in the mated condition. Red stripe indicator aides in alignment during mating.

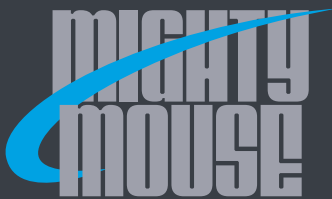
| How To Order                    |                                                                                                                                                                                                                                                                |         |                                                           |    |                                                                                                                                                                                                                                                      |   |   |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|
| Sample Part Number              |                                                                                                                                                                                                                                                                | 804-116 | -07                                                       | NF | 10-26                                                                                                                                                                                                                                                | E | A |
| Series                          | 804-116 = Panel Mount Plug, Crimp Contacts and Banding Porch                                                                                                                                                                                                   |         |                                                           |    |                                                                                                                                                                                                                                                      |   |   |
| Shell Style (See Table I)       | 00 = Jam-Nut, Front Panel Mount<br>02 = Flange Mount<br>07 = Jam-Nut, Rear Panel Mount                                                                                                                                                                         |         |                                                           |    |                                                                                                                                                                                                                                                      |   |   |
| Shell Material and Finish       | C = Aluminum / Black Anodize (Non-Conductive)<br>M = Aluminum / Electroless Nickel<br>MT = Aluminum / Nickel-PTFE<br>NF = Aluminum / Cadmium with Olive Drab Chromate<br>ZNU = Aluminum / Zinc-Nickel with Black Chromate<br>Z1 = Stainless Steel / Passivated |         |                                                           |    |                                                                                                                                                                                                                                                      |   |   |
| Shell Size - Insert Arrangement | See Contact Arrangements Page H-6                                                                                                                                                                                                                              |         |                                                           |    |                                                                                                                                                                                                                                                      |   |   |
| Contact Type                    | Connector supplied without Crimp contacts<br>A = Pin Connector<br>B = Socket Connector                                                                                                                                                                         |         | Connector supplied with contacts<br>P = Pin<br>S = Socket |    | Connector Supplied with 30 AWG Crimp Barrel<br>G = Pin<br>H = Socket<br><br>Connectors with contacts are supplied with crimp contacts. Contacts not installed.<br>For Coax contacts, order contacts separately and order connector without contacts. |   |   |
| Polarization (See Table II)     | Omit = Single Key (non polarized)<br>A = Normal   B = Pos. B   C = Pos. C   D = Pos. D   E = Pos. E   F = Pos. F                                                                                                                                               |         |                                                           |    |                                                                                                                                                                                                                                                      |   |   |

| Table I: Shell Style             |                     |                                   |
|----------------------------------|---------------------|-----------------------------------|
|                                  |                     |                                   |
| -07<br>Jam-Nut, Rear Panel Mount | -02<br>Flange Mount | -00<br>Jam-Nut, Front Panel Mount |

| Table II: Key Positions |      |      |      |
|-------------------------|------|------|------|
|                         | Pos. | A°   | B°   |
|                         | A    | 150° | 210° |
|                         | B    | 75°  | 210° |
|                         | C    | 95°  | 230° |
|                         | D    | 140° | 275° |
|                         | E    | 75°  | 275° |
|                         | F    | 95°  | 210° |

### NOTES

- Contacts are crimp type, and used in a rear release retention system
- Plug mates with all push/pull high density receptacle connectors with same polarization and opposite contact gender
- See page H-9 for recommended panel cut-outs



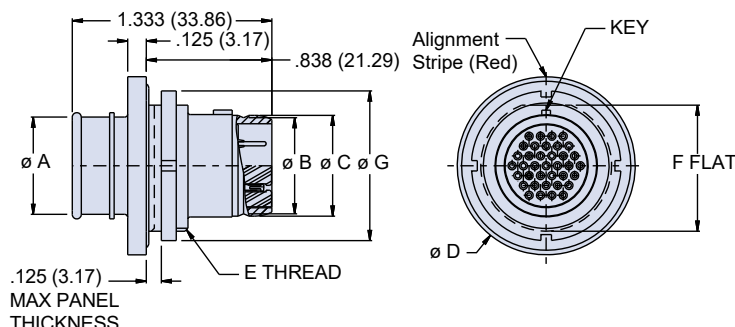
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Mighty Mouse Connectors and Cables



Panel Mount Plugs with Crimp Contacts and  
Cable Shield Termination Platform

## JAM-NUT, REAR PANEL MOUNT PLUG - STYLE 07



| Dimensions |                  |                  |                  |                  |                 |                 |                 |
|------------|------------------|------------------|------------------|------------------|-----------------|-----------------|-----------------|
| Shell Size | Ø A              | Ø B              | Ø C              | Ø D              | E Thread        | F Flat          | Ø G             |
| 5          | 0.245<br>(6.22)  | 0.219<br>(5.56)  | 0.250<br>(6.35)  | 0.730<br>(18.54) | .4375-32 UN-2A  | 0.415<br>[0.02] | 0.562<br>[0.02] |
| 6          | 0.290<br>(7.37)  | 0.282<br>(7.16)  | 0.313<br>(7.95)  | 0.730<br>(18.54) | .5000-32 UN-2A  | 0.467<br>[0.02] | 0.625<br>[0.02] |
| 7          | 0.390<br>(9.91)  | 0.351<br>(8.92)  | 0.382<br>(9.70)  | 0.910<br>(23.11) | .6250-28 UN-2A  | 0.594<br>[0.02] | 0.750<br>[0.03] |
| 8          | 0.445<br>(11.30) | 0.398<br>(10.11) | 0.429<br>(10.90) | 0.955<br>(24.26) | .6250-28 UN-2A  | 0.594<br>[0.02] | 0.750<br>[0.03] |
| 9          | 0.500<br>(12.70) | 0.454<br>(11.53) | 0.486<br>(12.34) | 1.000<br>(25.40) | .6875-28 UN-2A  | 0.655<br>[0.03] | 0.812<br>[0.03] |
| 10         | 0.560<br>(14.22) | 0.529<br>(13.44) | 0.562<br>(14.27) | 1.085<br>[0.04]  | .7500-28 UN-2A  | 0.721<br>[0.03] | 0.875<br>[0.03] |
| 12         | 0.650<br>(16.51) | 0.646<br>(16.41) | 0.677<br>(17.20) | 1.180<br>[0.05]  | .8750-28 UN-2A  | 0.843<br>[0.03] | 1.000<br>[0.04] |
| 14         | 0.805<br>(20.45) | 0.768<br>(19.51) | 0.800<br>(20.32) | 1.325<br>[0.05]  | 1.0000-28 UN-2A | 0.968<br>[0.04] | 1.125<br>[0.04] |

### Material and Finish

- Shell, jam-nut: aluminum alloy or CRES/ see how to order table
- Insulator: high grade rigid dielectric / N.A.
- Interfacial seal, O-ring, grommet: fluorosilicone / N.A.
- Contact: copper alloy / gold plate per ASTM B 488, Type II, Code C, Class 1.25, over suitable underplate
- Potting compound: epoxy / N.A.

SERIES 804 QDC PUSH-PULL



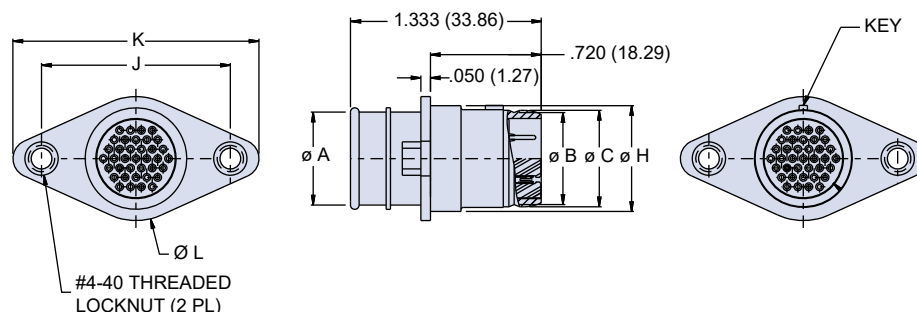
## SERIES 804 QDC PUSH-PULL

# Mighty Mouse Connectors and Cables



## Panel Mount Plugs with Crimp Contacts and Cable Shield Termination Platform

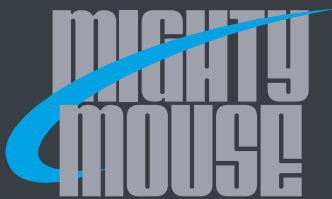
### FLANGE MOUNT PLUG - STYLE 02



| Dimensions |                  |                  |                  |                 |                 |                 |                 |
|------------|------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|
| Shell Size | Ø A              | Ø B              | Ø C              | H               | J               | K               | Ø L             |
| 5          | 0.245<br>(6.22)  | 0.219<br>(5.56)  | 0.250<br>(6.35)  | 0.320<br>(0.01) | 0.755<br>(0.03) | 1.055<br>(0.04) | 0.420<br>(0.02) |
| 6          | 0.290<br>(7.37)  | 0.282<br>(7.16)  | 0.313<br>(7.95)  | 0.385<br>(0.02) | 0.820<br>(0.03) | 1.120<br>(0.04) | 0.445<br>(0.02) |
| 7          | 0.390<br>(9.91)  | 0.351<br>(8.92)  | 0.382<br>(9.70)  | 0.450<br>(0.02) | 0.885<br>(0.03) | 1.185<br>(0.05) | 0.550<br>(0.02) |
| 8          | 0.445<br>(11.30) | 0.398<br>(10.11) | 0.429<br>(10.90) | 0.495<br>(0.02) | 0.930<br>(0.04) | 1.230<br>(0.05) | 0.593<br>(0.02) |
| 9          | 0.500<br>(12.70) | 0.454<br>(11.53) | 0.486<br>(12.34) | 0.555<br>(0.02) | 0.990<br>(0.04) | 1.290<br>(0.05) | 0.651<br>(0.03) |
| 10         | 0.560<br>(14.22) | 0.529<br>(13.44) | 0.562<br>(14.27) | 0.625<br>(0.02) | 1.060<br>(0.04) | 1.360<br>(0.05) | 0.741<br>(0.03) |
| 12         | 0.650<br>(16.51) | 0.646<br>(16.41) | 0.677<br>(17.20) | 0.750<br>(0.03) | 1.185<br>(0.05) | 1.485<br>(0.06) | 0.850<br>(0.03) |
| 14         | 0.805<br>(20.45) | 0.768<br>(19.51) | 0.800<br>(20.32) | 0.865<br>(0.03) | 1.300<br>(0.05) | 1.600<br>(0.06) | 0.975<br>(0.04) |

#### Material and Finish

- Shell: aluminum alloy or CRES / see how to order table
- Insulator: high grade rigid dielectric / N.A.
- Interfacial seal, O-ring, grommet: fluorosilicone / N.A.
- Contact: copper alloy / gold plate per ASTM B 488, Type II, Code C, Class 1.25, over suitable underplate
- Potting compound: epoxy / N.A.

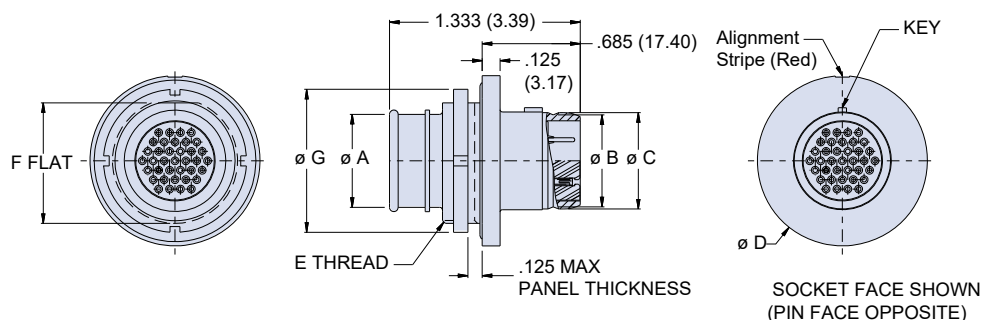


# SERIES 804 QDC PUSH-PULL Mighty Mouse Connectors and Cables



## Panel Mount Plugs with Crimp Contacts and Cable Shield Termination Platform

### JAM-NUT, FRONT PANEL MOUNT, PLUG - STYLE 00



| Dimensions |                  |                  |                  |                  |                 |                 |                 |                 |
|------------|------------------|------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|
| Shell Size | Ø A              | Ø B              | Ø C              | Ø D              | E Thread        | F Flat          | Ø G             | H               |
| 5          | 0.245<br>(6.22)  | 0.219<br>(5.56)  | 0.250<br>(6.35)  | 0.730<br>(18.54) | .4375-32 UN-2A  | 0.415<br>(0.02) | 0.562<br>(0.02) | 0.320<br>(0.01) |
| 6          | 0.290<br>(7.37)  | 0.282<br>(7.16)  | 0.313<br>(7.95)  | 0.730<br>(18.54) | .5000-32 UN-2A  | 0.467<br>(0.02) | 0.625<br>(0.02) | 0.385<br>(0.02) |
| 7          | 0.390<br>(9.91)  | 0.351<br>(8.92)  | 0.382<br>(9.70)  | 0.910<br>(23.11) | .6250-28 UN-2A  | 0.594<br>(0.02) | 0.750<br>(0.03) | 0.450<br>(0.02) |
| 8          | 0.445<br>(11.30) | 0.398<br>(10.11) | 0.429<br>(10.90) | 0.955<br>(24.26) | .6250-28 UN-2A  | 0.594<br>(0.02) | 0.750<br>(0.03) | 0.495<br>(0.02) |
| 9          | 0.500<br>(12.70) | 0.454<br>(11.53) | 0.486<br>(12.34) | 1.000<br>(25.40) | .6875-28 UN-2A  | 0.655<br>(0.03) | 0.812<br>(0.03) | 0.555<br>(0.02) |
| 10         | 0.560<br>(14.22) | 0.529<br>(13.44) | 0.562<br>(14.27) | 1.085<br>[0.04]  | .7500-28 UN-2A  | 0.721<br>(0.03) | 0.875<br>(0.03) | 0.625<br>(0.02) |
| 12         | 0.650<br>(16.51) | 0.646<br>(16.41) | 0.677<br>(17.20) | 1.180<br>[0.05]  | .8750-28 UN-2A  | 0.843<br>(0.03) | 1.000<br>(0.04) | 0.750<br>(0.03) |
| 14         | 0.805<br>(20.45) | 0.768<br>(19.51) | 0.800<br>(20.32) | 1.325<br>[0.05]  | 1.0000-28 UN-2A | 0.968<br>(0.04) | 1.125<br>(0.04) | 0.865<br>(0.03) |

| Jam-Nut Front Panel Mount<br>Cutout Dimensions |                                |               |
|------------------------------------------------|--------------------------------|---------------|
|                                                |                                |               |
| Shell Size                                     | N Flat                         | Ø M           |
| 5                                              | .482 (12.24)<br>.478 (12.14)   | .510 (12.95)  |
| 6                                              | .542 (13.77)<br>.538 (13.67)   | .575 (14.60)  |
| 7                                              | .676 (17.17)<br>.671 (17.04)   | .698 (17.73)  |
| 8                                              | .676 (17.17)<br>.671 (17.04)   | .698 (17.73)  |
| 9                                              | .732 (18.59)<br>.728 (18.49)   | .760 (19.30)  |
| 10                                             | .801 (20.35)<br>.796 (20.22)   | .822 (20.88)  |
| 12                                             | .982 (24.94)<br>.978 (24.84)   | 1.010 (25.65) |
| 14                                             | 1.032 (26.21)<br>1.028 (26.11) | 1.075 (27.30) |

#### Material and Finish

- Shell: aluminum alloy or CRES / see how to order table
- Insulator: high grade rigid dielectric / N.A.
- Interfacial seal, O-ring, grommet: fluorosilicone / N.A.
- Contact: copper alloy / gold plate per ASTM B 488, Type II, Code C, Class 1.25, over suitable underplate
- Potting compound: epoxy / N.A.