



SERIES 824

# Mighty Mouse

## LOCKING PUSH-PULL CONNECTORS

Introducing the new Mighty Mouse Series 824 Locking Push-Pull Connector: all the familiar size, weight and performance advantages of the industry-standard Mighty Mouse 804 push-pull connector with a revolutionary low-profile locking coupling mechanism. Glenair's primary design goal in the development of the locking 824 was to bring mil-spec caliber connector performance to locking push-pull applications. The Series 824 Locking Push-Pull provides superior sealing, excellent EMI protection, low-profile ergonomic mating and demating, and easy crimp contact termination. The locking push-pull mechanism delivers visual, tactile, and audible mating confirmation under even the most extreme field conditions. Built for long-term durability and reduced size and weight, the high-density Series 824 Locking Push-Pull connector far surpasses commercial caliber push-pull connectors.

| Specifications                           |                                           |
|------------------------------------------|-------------------------------------------|
| Current Rating                           | #23 5 AMPS, #16 13 A., #12 23 A.          |
| Dielectric Withstanding Voltage          | #23 500 VAC RMS, #12 and #16 1800 VAC RMS |
| Insulation Resistance                    | 5000 megohms minimum                      |
| Operating Temperature                    | -65° C to +150° C                         |
| Shock / Vibration                        | 100 g / 16 g                              |
| Shell-to-Shell Resistance, Nickel Plated | 2 milliohms maximum                       |
| Durability                               | 500 mating cycles                         |
| Breakaway Force                          | 50 pounds minimum                         |

Gold plated crimp contacts for #12 to #30 AWG wire



- Fast mating, quick-release coupling mechanism
- 31 insert arrangements
- Integrated cable shield termination platform

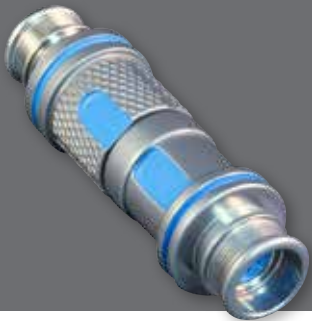


For more information contact Glenair at 818-247-6000 or visit our website at [www.glenair.com](http://www.glenair.com)

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| How To Order Series 824 Locking Push-Pull Plug |                                                                                               |         |                                                            |   |     |     |
|------------------------------------------------|-----------------------------------------------------------------------------------------------|---------|------------------------------------------------------------|---|-----|-----|
| Sample Part Number                             |                                                                                               | 824-001 | -06                                                        | M | 8-1 | P A |
| Product Series                                 | 824-001 Mighty Mouse Locking Push-Pull cable plug with integrated shield termination platform |         |                                                            |   |     |     |
| Shell Style                                    | -06 - Plug                                                                                    |         |                                                            |   |     |     |
| Shell Material/Finish                          | See Table II                                                                                  |         |                                                            |   |     |     |
| Shell Size/Contact Arrangement                 | See Table I                                                                                   |         |                                                            |   |     |     |
| Contact Type                                   | Connector supplied with contacts:<br>P - Pin S - Socket                                       |         | Connector supplied without contacts:<br>A - Pin B - Socket |   |     |     |
| Shell Key Position                             | Omit for single polarizing key. A (normal), B, C, D, E, F polarizing options per Table III    |         |                                                            |   |     |     |

| How To Order Series 824 Locking Push-Pull Receptacle |                                                                                                     |         |                                                              |   |     |     |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------|--------------------------------------------------------------|---|-----|-----|
| Sample Part Number                                   |                                                                                                     | 824-003 | -01                                                          | M | 8-1 | P A |
| Product Series                                       | 824-003 Mighty Mouse Locking Push-Pull cable receptacle with integrated shield termination platform |         |                                                              |   |     |     |
| Shell Style                                          | -01 - In-Line   -07 - Rear-Panel Jam Nut Mount<br>-00 - Front-Panel Jam Nut Mount                   |         |                                                              |   |     |     |
| Shell Material/Finish                                | See Table II                                                                                        |         |                                                              |   |     |     |
| Shell Size/Contact Arrangement                       | See Table I                                                                                         |         |                                                              |   |     |     |
| Contact Type                                         | Connector supplied with contacts:<br>P - Pin   S - Socket                                           |         | Connector supplied without contacts:<br>A - Pin   B - Socket |   |     |     |
| Shell Key Position                                   | Omit for single polarizing key. A (normal), B, C, D, E, F polarizing options per Table III          |         |                                                              |   |     |     |

| Table III: Alternate Key Positions |      |      |
|------------------------------------|------|------|
| Position                           | A°   | B°   |
| A                                  | 150° | 210° |
| B                                  | 45°  | 210° |
| C                                  | 45°  | 230° |
| D                                  | 140° | 315° |
| E                                  | 150° | 315° |

| Table II: Material and Finish |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| M                             | Aluminum/Electroless Nickel RoHS Compliant                             |
| NF                            | Aluminum/Cadmium with Olive Drab Chromate                              |
| ZR                            | Aluminum/Zinc-Nickel with Non-Reflective Black Chromate RoHS Compliant |
| MT                            | Aluminum/Nickel-PTFE RoHS Compliant                                    |
| Z1                            | Stainless Steel/Passivated RoHS Compliant                              |

### MATERIAL/FINISH

Barrel: Copper Alloy  
Shell/Release Sleeve: Aluminum Alloy or CRES  
Insulators: Liquid Crystal Polymer  
Interfacial Seal, O-Ring, Grommet: Fluorosilicone  
Contacts: Copper Alloy/Gold over Nickel Plating  
Spring: CRES/Gold Plated

| Table I: Contact Arrangements |                 |     |       |     |     |
|-------------------------------|-----------------|-----|-------|-----|-----|
| Contact Arr.                  | No. of Contacts |     |       |     |     |
|                               | #23             | #20 | #20HD | #16 | #12 |
| 5-3                           | 3               |     |       |     |     |
| 6-1                           |                 |     |       | 1   |     |
| 6-23                          |                 |     | 3     |     |     |
| 6-4                           | 4               |     |       |     |     |
| 6-6                           | 6               |     |       |     |     |
| 6-7                           | 7               |     |       |     |     |
| 7-1                           |                 |     |       |     | 1   |
| 7-25                          |                 |     | 5     |     |     |
| 7-10                          | 10              |     |       |     |     |
| 8-2                           |                 |     |       | 2   |     |
| 8-28                          |                 |     | 8     |     |     |
| 8-13                          | 13              |     |       |     |     |
| 8-200                         | 4               | 2   |       |     |     |
| 9-4                           |                 |     |       | 4   |     |
| 9-210                         |                 |     | 10    |     |     |
| 9-19                          | 19              |     |       |     |     |
| 9-200                         | 4               |     |       | 2   |     |
| 9-201                         | 8               | 2   |       |     |     |
| 10-2                          |                 |     |       |     | 2   |
| 10-5                          |                 |     |       | 5   |     |
| 10-26                         | 26              |     |       |     |     |
| 10-200                        | 12              |     |       |     | 1   |
| 10-201                        | 4               |     |       |     | 2   |
| 10-202                        | 8               |     |       | 2   |     |
| 12-2                          |                 |     |       |     | 2   |
| 12-3                          |                 |     |       |     | 3   |
| 12-7                          |                 |     |       | 7   |     |
| 12-220                        |                 |     | 20    |     |     |
| 12-37                         | 37              |     |       |     |     |
| 12-200                        | 6               |     |       |     | 2   |
| 12-201                        | 10              |     |       |     | 2   |



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