



SERIES 824

Locking Push-Pull

Tactical Mighty Mouse QDC 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 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 in environmental sealing and EMC performance.

Specifications	
Current Rating	#23 5 AMPS, #16 13 AMPS, #12 23 AMPS
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	2000 mating cycles
Holding Force	50 pounds minimum



- Fast mating, quick-release coupling mechanism
- 31 insert arrangements
- Integrated cable shield termination platform
- Plug, in-line receptacle, and front- and rear-panel jam nut configurations
- Tactile and audible mating confirmation
- Tactical black zinc-nickel plating option
- Five alternate 3-key polarizations

SERIES 824 Mighty Mouse Tactical Locking Push-Pull Connectors

MIGHTY MOUSE



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: P - Pin S - Socket Connector supplied without contacts: 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 -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: P - Pin S - Socket Connector supplied without contacts: 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 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

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

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

