

OPTIMIZED  
FOR USE WITH  
**MIL-STAR™**  
HIGH-PERFORMANCE HOOKUP WIRE AND CABLE

**mighty mouse**  
SERIES 86 SEALTAC™

**Mighty mouse SealTac™**  
spring contact push-pull  
connectors and jumpers



The Mighty Mouse Series 86 SealTac is a durable, environmentally-sealed push-pull connector with outstanding user ergonomics. Receptacle target-contact designs are fully sealed, easy to maintain and clean, and immersible to 30 psi / IP68 in the unmated condition. Spring pin contacts (plug side) are rated to 2 Amps and can withstand virtually unlimited mating cycles.

- High-durability unlimited life-cycle performance
- 30 psi open-face / IP68-level sealing (box side)
- Ergonomic keyed push-pull mating
- High-density micro miniature form factor
- Maintenance-free spring contact inserts
- Integrated EMI/RFI ground spring and shield termination band porch
- High vibration and shock resistant
- Full qualification testing complete and available

**SHELL SIZE / CONTACT ARRANGEMENTS**

|                                          |                                            |                                            |
|------------------------------------------|--------------------------------------------|--------------------------------------------|
|                                          |                                            |                                            |
| <p>06-7<br/>shell size 6, 7 contacts</p> | <p>07-10<br/>shell size 7, 10 contacts</p> | <p>08-19<br/>shell size 8, 19 contacts</p> |

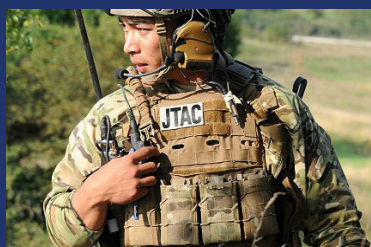


# SERIES 86 Mighty Mouse SealTac Tactical Push-Pull Connectors



Spring-pin equipped · harsh-environmental

## SERIES 86 SEALTAC APPLICATIONS



C4ISR soldier devices



Rugged computers and hand-helds



Power and data hubs



Tactical communications gear



Helmet quick-disconnects

## CONNECTOR SELECTION GUIDE

### IN-LINE RECEPTACLES



#### 860-051-01

Series 86 spring contact push-pull in-line receptacle for cable applications

### IN-LINE PLUG



#### 860-050-06

Series 86 target contact push-pull in-line cable plug

### JAM-NUT PLUG



#### 860-050-07

Series 86 target contact push-pull jam-nut mount plug

### CABLE JUMPER Receptacle-to-receptacle



#### 861-001

Series 86 spring contact push-pull receptacle-to-receptacle overmolded cable jumper

### CABLE JUMPER Plug-to-plug



#### 861-002

Series 86 target contact push-pull plug-to-plug overmolded cable jumper

### CABLE JUMPER High-speed HDMI



#### 861-003

Series 86 target contact push-pull plug or spring contact push-pull receptacle-to-HDMI overmolded cable jumper

### CABLE JUMPER High-speed USB 3.0



#### 861-004

Series 86 target contact push-pull plug or spring contact push-pull receptacle-to-USB 3.0 overmolded cable jumper

## SERIES 86 SEALTAC™ PERFORMANCE SUMMARY

|                   | Performance                         | Specification                                                                                                 |
|-------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------|
| DWV               | 500 Vac                             | EIA 364-20                                                                                                    |
| IR                | 5 GΩ, 200 Vdc                       | EIA 364-21                                                                                                    |
| Temperature Range | -55°C / +125°C                      |                                                                                                               |
| Contact Ω         | 40 mΩ                               | EIA-364-23 (26 AWG wire included)                                                                             |
| Durability        | 2500 cycles min                     | EIA-364-09                                                                                                    |
| Mating Force      | 8 lbs (size 06)<br>12 lbs (size 08) | EIA-364-13                                                                                                    |
| Random Vibration  |                                     | MIL-STD-810H, method 514.8, Annex E, figure 514.8E-1. One hour each axis, longitudinal and perpendicular axes |
| Shock             |                                     | Mil-Std-810, method 516, Procedure I (40 G's, 11ms). 3 shocks X 3 axes X 2 directions = 18 shocks             |
| Water Immersion   | 30 psi, 30 minutes, 100 MΩ min      | EIA 364-21, mated and unmated (open face)                                                                     |

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