


**Series 80 Mighty Mouse  
ASAP Cordsets for High Speed Serial Data  
Connector Selection Guide**



| CONNECTOR SELECTION GUIDE              | Series 800   | Series 801   | Series 803  | Series 804   | Series 805   |
|--|--|--|---|--|--|
|  |           |                     |                           |   |                                       |
| <b>Description</b>                     | <b>UNF Threads</b>   | <b>Double-Start ACME</b>   | <b>¼ Turn Bayonet</b>   | <b>Push-Pull</b>   | <b>Triple-Start ACME</b>   |
| <b>Notes</b>                           | A general purpose connector for Ethernet switches, tactical equipment and instrumentation. | More rugged keys and threads compared to Series 800. Faster mating, slightly larger than Series 800. | Quick-mating, light duty, general purpose. Not rated for immersion. 50 milliohms shell-to-shell resistance. | Breakaway connector for headsets and tactical equipment. Gold-plated spring for long mating life and superior EMI shielding. | “Clicker” ratchet mechanism and ground spring for military airframes and avionics boxes. Fast-mating, D38999 equivalent. |
| <b>Coupling</b>                        | Threaded Coupling with 4 ½ Turns to Full Mate  | Threaded Coupling with 1 ½ Turns to Full Mate  | Push-to-Mate, ¼ Turn to Lock  | Quick-Disconnect with Canted Spring  | One Full Turn for Full Mate  |
| <b>Water Immersion</b>                 | MIL-STD-810 Method 512<br>1 Meter for 1 Hour   | MIL-STD-810 Method 512<br>1 Meter for 1 Hour   | Splashproof   | MIL-STD-810 Method 512<br>1 Meter for 1 Hour   | MIL-STD-810 Method 512<br>1 Meter for 1 Hour   |
| <b>EMI Shielding</b>                   | Good   | Good   | Fair  | Very Good  | Excellent  |
| <b>Vibration and Shock</b>             | 37 g's Random Vibration<br>300 g's Shock   | 37 g's Random Vibration<br>300 g's Shock   | 37 g's Random Vibration<br>300 g's Shock  | 37 g's Random Vibration<br>300 g's Shock   | 37 g's Random Vibration<br>300 g's Shock   |
| <b>Mating Cycles</b>                   | 2000 Cycles  | 2000 Cycles  | 250 Cycles Aluminum<br>2000 Cycles SST  | 2000 Cycles  | 500 Cycles   |
| <b>Proven Performance Applications</b> | Commercial air frame sensors; UAV telemetry; Tactical computers; field radios;             | Military air frame; Dismounted soldier; Tactical ground weaponry; Avionic (FLIR) system              | Soldier system radios; Autosport diagnostics; Airborne surveillance   | Helmet breakaway connector; QDC battery; Missile applications; Weapon interconnect   | Autosport; Military air frame; Joint Strike Fighter  |

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

