

## Series 80 "Mighty Mouse" EMI/EMP Filter Connectors



### PRODUCT FEATURES

- Compact Weight-Saving Design with #23 Contacts
- C and Pi Circuit Filters from 400 pF to 56000 pF
- 3 Through 85 Contacts
- Low-Pass Multilayer Ceramic Planar Array
- PC Tail, Solder Cup and Crimp-Contact Versions
- Fully Sealed with Thermally Conductive Epoxy
- Space-Grade Bake-Out Processing Available
- Threaded, Bayonet and Push-Pull Versions

## Ultra Small and Lightweight EMI/EMP Filter Connectors

### Glenair Series 80 "Mighty Mouse"

Glenair's filtered Series 80 "Mighty Mouse" connector family provide significant size and weight savings compared to larger "MS" connectors. The high density #23 contacts provide almost double the density of D38999. Designed to meet stringent aerospace performance requirements, these connectors are offered with standard low pass Pi or C circuit filter arrays, or with customized filters to meet your specific needs. Thermally conductive epoxy protects the filter package from mechanical and heat stress and also provides a waterproof seal. These filtered receptacles mate to Series 801 stub ACME threaded, Series 804 Push-Pull and Series 805 Triple-Start, and are available in jam nut or square flange versions.

### SPECIFICATIONS

Current Rating	#23 5 AMPS, #20HD 7.5 A., #16 13 A., #12 23 A.
Dielectric Withstanding Voltage	300 VDC
Insulation Resistance	5000 megohms minimum @ 200 VDC
Operating Temperature	-55° C. to +125° C.
Shock	300 g.
Vibration	37 g.
Shielding Effectiveness	50 dB minimum from 100MHz to 1000MHz.

### MATERIALS AND FINISHES

Shells, Jam Nuts	Aluminum alloy or stainless steel
Contacts	Beryllium copper alloy, 50 μInch gold plated
Insulators	Liquid crystal polymer (LCP)
Interfacial Seal, O-rings, Wire Sealing Grommet	Fluorosilicone rubber