



C and Pi Filters – Available in 7 levels of capacitance, these low-pass planar array filters utilize ceramic capacitors and ferrite inductors.

Environmentally Sealed – Meets MIL-STD-810 Method 512 immersion. Connector terminals are sealed with thermally conductive epoxy to minimize stress from soldering heat.

Straight PCB Terminals or Solder Cup Contacts

Glenair’s “Mighty Mouse” Delivers EMI/EMP Filtering in a Lightweight, Ultraminiature Package

Glenair’s filtered Series 80 “Mighty Mouse” connector family provides 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 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 standard Series 80 plugs 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	250 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