

SERIES 240

EMI/EMP

Filter Connectors



Glenair manufactures a full range of filter connectors for use in EMC/EMP management of electronic systems and interconnect cabling. All connectors are designed in accordance with applicable connector specifications, and are designed to mate with plugs with the same insert configuration and opposite contact gender. Planar filter arrays and TVS diodes may be integrated into both standard catalog as well as build-to-order configurations. Glenair's state-of-the-art diode burn-in process tests leaded and surface mount diodes with leakage current monitored throughout the entire test procedure ensuring field reliability.

- Planar, multilayer ceramic capacitive filters, with and without transient voltage suppression diodes
- C and Pi electrical configurations
- PC tail, crimp or solder cup termination
- 35 – 240,000 pF capacitance
- Fast and reliable diode burn-in and test services
- Turnkey in-house manufacturing of all filter connector elements and processes

Table I: Capacitor Array Code / Capacitance Range		
Class	Pi - Circuit (pF)	C - Circuit (pF)
X	160,000 - 240,000	80,000 - 120,000
Y	80,000 - 120,000	40,000 - 60,000
Z	60,000 - 90,000	30,000 - 45,000
A	38,000 - 56,000	19,000 - 28,000
B	32,000 - 45,000	16,000 - 22,500
C	18,000 - 33,000	9,000 - 16,500
D	8,000 - 12,000	4,000 - 6,000
E	3,300 - 5,000	1,650 - 2,500
F	800 - 1,300	400 - 650
G	400 - 600	200 - 300
J	70-120	35-60



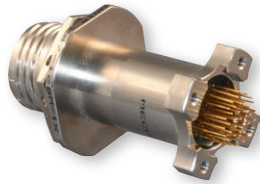
ARINC 600 size 2 filter connector. Glenair also manufactures narrow-profile size 1 and double-wide size 3. All configurations are environmentally sealed for rugged airframe applications.

SERIES 240 EMI/EMP Filter connectors

Fast, reliable in-house manufacturing



UNIQUE AND SPECIAL PURPOSE EMI/EMP FILTER CONNECTORS



Extended-shell
PC-tail cylindrical with
threaded standoff



Special-purpose
filter connector cable
adapter



Series 80 Mighty Mouse
PC-tail filter receptacle



MIL-STD-1760 filtered
umbilical connector



Filter plug with
crimp contacts

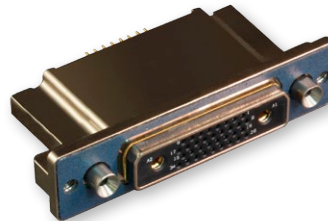
RECTANGULAR PACKAGING



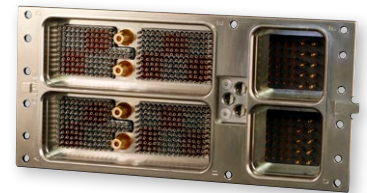
MIL-DTL-83513 type
micro-D filter connector



MIL-DTL-24308 type
D-sub filter connector

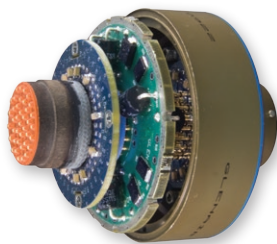


Series 79 Micro-Crimp
filter connector



ARINC 600 rack and panel
filter connector

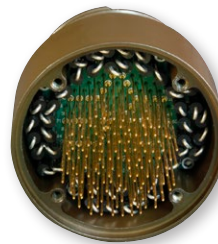
EMP TRANSIENT VOLTAGE SUPPRESSION DIODE-EQUIPPED



EMP Diode-Equipped Connector
with Oversized Shell



MIL-DTL-38999 series III type
EMP connector



Reduced-package-size
EMI/EMP cylindrical



MIL-DTL-38999 series III type
EMP with rectangular housing

THE INDUSTRY'S MOST COMPREHENSIVE AND COMPLIANT FILTER SERVICE

Requirement Compliance:
MIL-STD-449D: RF Spectrum
MIL-STD-461E: EMI Susceptibility
MIL-STD-1310G: Shipboard EMC
MIL-STD-1512: Electroexplosive Subsystems
MIL-STD-1541A: EMC for Space Systems
MIL-STD-1795A: Aerospace Lightning Protection
MIL-STD-1857: Grounding, Bonding and Shielding
MIL-STD-1542B: EMC and Grounding for Space Systems
EN 61000-4-2, 3, 4, 5, 6, 8: EM, RF and Power
RTCA/DO-160 Sec 22: Pin/Cable Level and Waveform

Connector Series:	
38999	83513
Series I, II, III, IV	5015
26482	Sr. 80 Mighty Mouse
83723	Sr. 79 Micro-Crimp
28840	Sr. ITS Reverse-Bayonet
24308	Sr. 28 HiPer-D
ARINC 600	Sr. 970 PowerTrip

Line Types:	
CAN BUS	TTL
ARINC 429	Analog Sensors
RS 232	Thermocouple Wires
RS 422	USB
RS 485	Ethernet

Filter Types

C Single capacitor with low self inductance
Pi Dual capacitors with a single inductive element positioned between.

