



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.



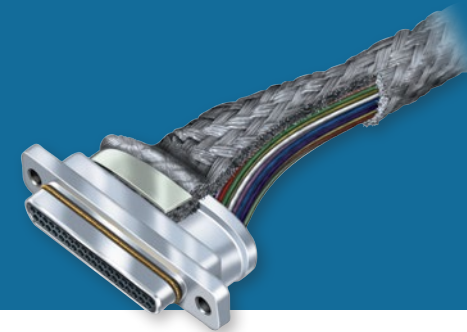
- Planar, multilayer ceramic capacitive filters, with and without transient voltage suppression diodes
- C and Pi electrical configurations
- PC tail, crimp or solder cup termination
- 35 – 240,000 pF capacitance
- Fast and reliable diode burn-in and test services
- Turnkey in-house manufacturing of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



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.

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

## SERIES 240 EMI/EMP Filter connectors Fast, reliable in-house manufacturing

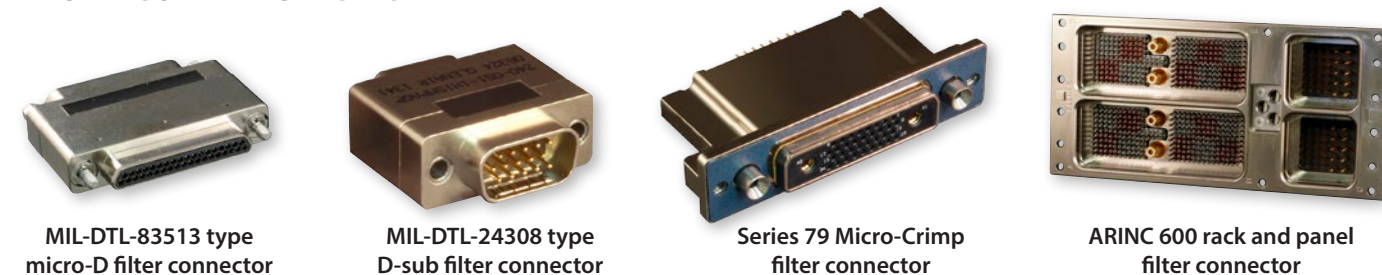


### UNIQUE AND SPECIAL PURPOSE EMI/EMP FILTER CONNECTORS



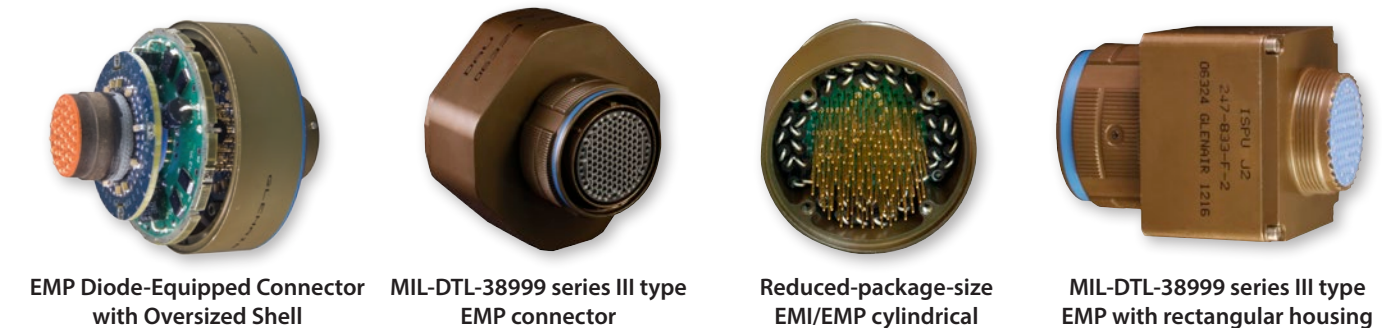
Extended-shell PC-tail cylindrical with threaded standoff    Special-purpose filter connector cable adapter    Series 80 Mighty Mouse PC-tail filter receptacle    MIL-STD-1760 filtered umbilical connector    Filter plug with crimp contacts

### 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:	Connector Series:	Line Types:
MIL-STD-449D: RF Spectrum	38999	CAN BUS
MIL-STD-461E: EMI Susceptibility	Series I, II, III, IV	ARINC 429
MIL-STD-1310G: Shipboard EMC	26482	RS 232
MIL-STD-1512: Electroexplosive Subsystems	83723	RS 422
MIL-STD-1541A: EMC for Space Systems	28840	RS 485
MIL-STD-1795A: Aerospace Lightning Protection	24308	
MIL-STD-1857: Grounding, Bonding and Shielding	ARINC 600	
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		
	83513	TTL
	5015	Analog Sensors
	Sr. 80 Mighty Mouse	Thermocouple Wires
	Sr. 79 Micro-Crimp	USB
	Sr. ITS Reverse-Bayonet	Ethernet
	Sr. 28 HiPer-D	
	Sr. 970 PowerTrip	

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

