

# Glenair MIL-DTL-38999 Series IV Type Filter Connector with Breech-Lock Coupling Reference Information



**TABLE II: 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

\* Reduced DWV – Please consult factory.

## APPLICATION NOTES

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| <ol style="list-style-type: none"> <li>1. Materials/Finishes: Shells, Barrel, Coupling Nut, Jam Nut - See Table I<br/>Insulators - high grade rigid dielectric/N.A.<br/>Seals - Fluorosilicone<br/>PC Tail &amp; Solder Cup contacts: 50µ" Gold over 50µ" Nickel</li> <li>2. Assembly to be identified with Glenair's name, part number, and date code - space permitting.</li> <li>3. Insert Arrangement in accordance with MIL-STD-1560.<br/>(Arrangement shown for reference only)</li> <li>4. EMI Circular Filter Receptacle connector designed to meet requirements of MIL-STD-2120 and MIL-DTL-38999, Series IV.</li> </ol> | <ol style="list-style-type: none"> <li>5. All contacts to have identical filter value. Other filter arrangements available, contact factory.</li> <li>6. Electrical Ratings: DWV- 500 VDC Min.; Standard Operating Voltage 200 Volts DC; Current Rating 5 Amps (size 22);</li> <li>7. Insulation Resistance: 5000 MegOhms Min. at 200 VDC.</li> <li>8. Operating Temperature -55°C to +125°C (Env Class Connectors)</li> <li>9. Other filter styles (C-L, L-C, Unbalanced PI, Multi-Stage, Multi-Value) are available, please consult the factory.</li> <li>10. Metric Dimensions (mm) are indicated in parentheses.</li> </ol> |
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