OVERVIEW
Amphenol® EMI/EMP Protection Connectors have been designed in and manufactured for over 45 years. Our EMI/EMP protection connectors offer the versatility of our standard connectors with EMI/EMP protection to suit the demands of your application.

QUALITY
All filter connectors undergo extensive mechanical and electrical testing to ensure consistent, quality hardware.

Standard Electrical Tests
+ 100% Insulation Resistance testing
+ 100% Dielectric Withstanding Voltage testing
+ 100% Capacitance testing at 1KHz

Special Tests/Processes Available
+ Attenuation testing (through 100 MHz)
+ Leakage inspection
+ Thermal cycling/shock
+ Burn-in
+ De-gassing

Amphenol will work to provide the best solution in standard packaging for the most cost effective solutions available.

ADVANTAGES
+ Reduction in overall weight and space with the elimination of external filtering
+ Reduction in solder joints
+ Fewer components equals a cost effective solution with increased reliability
+ Eliminates radiated and conducted EMI from entering the box
+ Perfect for retrofits or late design-in
+ Can utilize standard connector packaging!

OTHER OPTIONS
+ Filtered hermetics
+ MOV
+ Epoxy backfilled
+ Composite
+ Diode connectors

CONTACT US:
Tom Gregory
E-mail: tgregory@amphenol-ao.com
Phone: 607-563-5345
For your convenience, Amphenol has included an EMI check sheet below. Complete as much of the sheet as possible, then scan and e-mail to the Amphenol Filter Group via the address at the bottom of the page. Please include your contact information and a Filter Group representative will contact you shortly with a tailored solution for your application’s demands.

Fill out the EMI Filter Connector Check list

Ref. Filter P/N  ____________________________  Ref. Mil-Spec  ____________________________

Filter Requirements:
Filter Type (Pi, C, LC, T, LL, other)  ____________________________
Capacitance (locations)  ____________________________
Capacitance (locations)  ____________________________
Capacitance (locations)  ____________________________
Ground Contacts (locations)  ____________________________
Insulated feed-thru (locations)  ____________________________

<table>
<thead>
<tr>
<th>Frequency (MHz)</th>
<th>Insertion Loss (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

Electrical Requirements:
Working Voltage (VDC or VAC and frequency)  ____________________________
Dielectric Withstand Voltage (VDC)  ____________________________

Modified Shell: (Flange moved, clinch nuts, helicoils, stand offs, etc.)  ____________________________

Special Requirements: (AC voltage, spike voltage, attenuation testing, thermal cycling, burn-in, capacitor lot traceability, water immersion, etc.)  ____________________________

Contact Termination:
UTS (Crimp)  ____________________________
Solder Cup  ____________________________
Wire Wrap  Flat dim.  ____________________________
            Stickout dim.  ____________________________
PCB tail:
Diameter dim.  ____________________________
Stickout dim.  ____________________________
Pre-tin?  ____________________________
What is terminated to connector (ie. flex, rigid flex, PCB, etc.)?  ____________________________

Special Cleaning  ____________________________
(if so, recommend a protective cap with an environmental gasket)

Special Stamping:
Customer:  ____________________________
Program:  ____________________________
Forecast:  ____________________________
Requested by:  ____________________________
Comments:  ____________________________

Scan/Email a completed form to FilterApps@amphenol-aa.com or fax a completed copy to 607-563-5157

Call 800-678-0141 or visit us at www.amphenol-aerospace.com