Check out all of our EMI Solutions at www.4EMI.com
Widest range of cost effective filtering solutions

- Specializing in custom applications
- Stops EMI at the optimal location - the connector interface
- Made in the USA - each product manufactured and 100% tested at our US facility
- Proven high reliability - 1,000,000+ flight hours with ZERO failures
- Meets latest MIL-STD-810, MIL-STD-461 and DO160 environmental standards
- Custom configurations available on pin by pin basis
- Optional Transient Voltage Suppression (TVS) components
EMI Solutions provides a wide range of cost effective, easy-to-use EMI FlexFilter inserts configured to your unique Mil-Circular, D-Subminiature and ARINC performance requirements.

Meet Requirements for:
- **DO-160**
- **MIL-STD 461**
- **MIL-STD 810G**

**NEXT DAY SAMPLES AVAILABLE**

- Quick Turn
- Cost Effective
- High Reliability

- Simple installation - configured to your existing connector
- Suited for High Voltage and Severe Environments
- Select Components (Caps, Resistors, Diodes and more) on a pin by pin basis

**Transient Voltage Suppression (TVS) Components Available with all FlexFilter Options**

- Solid Copper Ground Plane With Etched Isolation Channels
  Delivers Greater Than 90% Shielding Effectiveness
- Optimum Spacing And Isolation Ensures Operation At High Voltages
- Rugged Polymide Material Delivers Contact And Retention Force For Severe Environments

**Only EMI Solutions Offers Additional Higher Level Filtering Products**

- Filtered Connectors
- Feed-Thru Filters
- Flex Assembles
- Custom Filtering

**ENGINEERING SUPPORT:**

949.206.9960

www.4EMI.com
EMI Solutions’ Mil-Circular filtered connectors offer the convenience and flexibility of standard configurations while delivering unsurpassed EMI/EMC performance.

**Filtering Options:**

**Pi Filters**
- Highest Performance with minimal resonance Insertion Loss of 70 – 80 dB
- Limited number of available capacitances and variations

**Planar Arrays or Discoidal Capacitors**
- Very good broadband performance
- Insertion loss of 50 – 60 dB
- Can be combined with Inductors (L) for improved performance

**Chip Capacitor**
- Good for “notch” type filtering
- Reduced higher frequency performance due to chip cap resonance
- Insertion Loss of 40 - 45 dB
- Wide variety of capacitances and variations available

**Termination Options**

Transient Voltage Suppression (TVS) Components Available with all Filtering Options

Filtered connectors are the best means of eliminating unwanted noise from any electronic system. Using filtered connectors eliminates the EM and RF noise that will be picked up through the contacts/leads generated by any internal or external source right at the connector’s interface. There are a multitude of ways to filter or shield at the board level, but none can outperform filtering at the boxes’ interface.

**ENGINEERING SUPPORT:**

949.206.9960

www.4EMI.com
EMI Solutions’ D-Sub filtered connectors offer the convenience and flexibility of standard configurations while delivering unsurpassed EMI/EMC performance.

**Designs for all Mil Spec D-Sub Connectors:**
- MIL-24308
- MIL-83513

**Filtering Options:**

**C & Pi Filters:**
- Highest Filter Performance with Minimal Resonance
- Insertion Loss of 70 - 80 dB
- Limited number of available capacitances and variations

**Chip Capacitor**
- Good for “notch” type filtering
- Reduced higher frequency performance due to chip cap resonance
- Insertion Loss of 40 - 45 dB
- Wide variety of capacitances and variations available

**Transient Voltage Suppression (TVS) Components Available with all Filtering Options**

**Termination Options**
- Solder Cup
- PC Tail
- Wired

Filtered connectors are the best means of eliminating unwanted noise from any electronic system. Using filtered connectors eliminates the EM and RF noise that will be picked up through the contacts/leads generated by any internal or external source right at the connector’s interface. There are a multitude of ways to filter or shield at the board level, but none can outperform filtering at the boxes’ interface.

**ENGINEERING SUPPORT:**
949.206.9960
www.4EMI.com
Feed Thru Filters

Product Options:
- Solder in, Screw in, or Press in versions
- Ideal for RF Applications
- Circuit types: C, CL, LC, Pi
- Typical Capacitance: 1.0pF to 20,000+ pF
- Operating Temp: -55°C - +125°C
- Hermetic Seal option
- Various sizes and threads
- High Working Voltage Rating: 50-500V typical
- Custom versions available

Only EMI Solutions Offers Additional Higher Level Filtering Products

Filtered Connectors  FlexFilter Inserts  Flex Assemblies  Filter Modules

ENGINEERING SUPPORT:
949.206.9960
Sales@4EMI.com

www.4EMI.com
About EMI Solutions:

Headquartered in our expanded facility in Irvine, California, our company was established in 1996 based on the development of our FlexFilter inserts for EMI filtering. Over the years, EMI Solutions has steadily grown by diversifying our product offering to meet our customer’s needs.

With over 20 years of acquired expertise in the EMI/EMC marketplace, combined with continuous improvement in materials and processes used to develop our products to comply with the AS9100 and MIL-810/DO-160 standards, we are now recognized as the leading woman owned small business manufacturer of EMI filtering products for the military and aerospace supply chain, as well as a diversity of commercial applications.

www.4EMI.com 949.206.9960
We are the only company in the world that manufactures BOTH filter inserts and filtered connectors

ACHIEVE FILTERING OPTIMIZATION

STOP EMI
AT THE CONNECTOR INTERFACE

✓ Widest Range of Cost Effective Filtering Solutions
✓ Easy Access to Engineering
✓ Industry’s Shortest Filtered Connector Lead Times
✓ FlexFilter Insert Samples Ship in One Business Day

www.4EMI.com

FlexFilter Inserts
- Cost Effective
- Quick Turn EMI filter
- TVS Component options
- Fits existing Mil-Circular and D-Sub connectors
- Ideal for high voltage and severe environments

Filtered Mil-Circular
D38999, M26482, M5015, M83723
- Chip Cap, Discoidal, Planar or Pi Tube filtering on pin by pin basis
- TVS components

Filtered D-Sub
M24308, M83513
- High Density options available
- Chip Cap or Pi Tube filtering on pin by pin basis
- TVS components

Feed-Thru Filters
- Hermetic and Non-Hermetic Options
- C, CL and Pi Filter Types
- Press in, Solder in or Screw in Termination Options

Custom Specialists

Certified
AS9100
Standards
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A Woman
Owned Small Business
MADE IN THE USA