

# EMI

SOLUTIONS INC

YOUR EMI FILTER SPECIALISTS



Check out all of our  
EMI Solutions at  
[www.4EMI.com](http://www.4EMI.com)



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

Designs for all Mil-Circular Connectors including:

- **D38999**
- **M26462**
- **M5015**

### 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

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

### Termination Options

Solder Cup



PC Tail



Wired

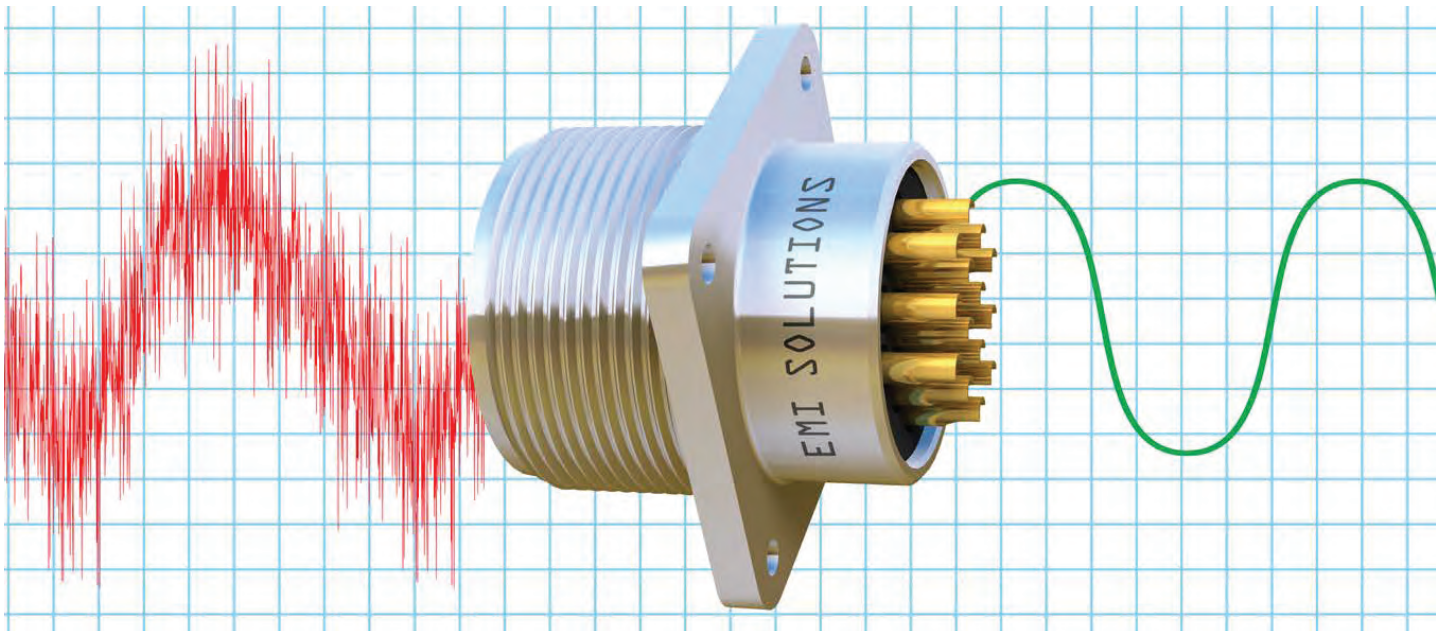


Filtered connectors are the best means of eliminating unwanted noise from any electronic system. Using filtered connectors eliminates the EM and RF noise that will be picked up through the contacts/leads generated by any internal or external source right at the connector's interface. There are a multitude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

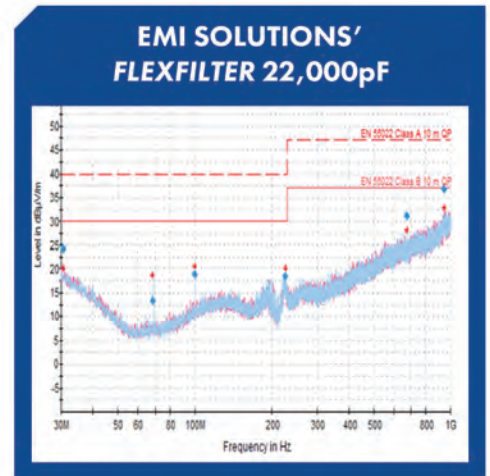
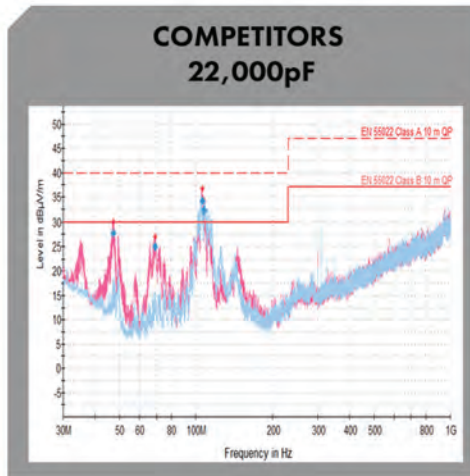
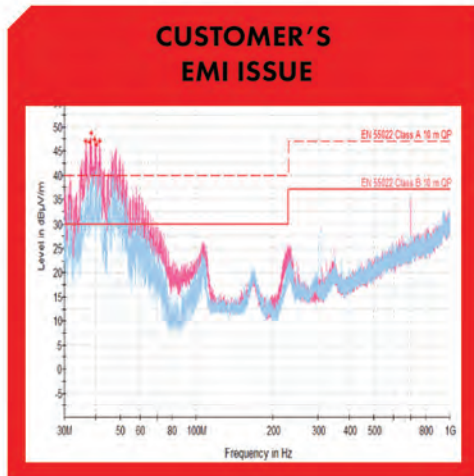
**ENGINEERING SUPPORT:**  
**949.206.9960**



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## EMI Solutions Provides Superior Results



## 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.

**EMI**  
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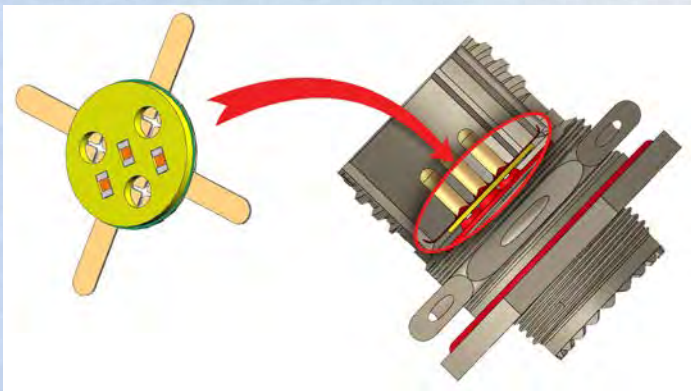
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# EMI SOLUTIONS INC

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**

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## 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

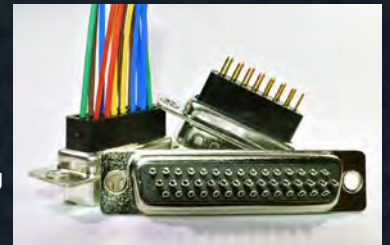


## Filtered D-Sub

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

