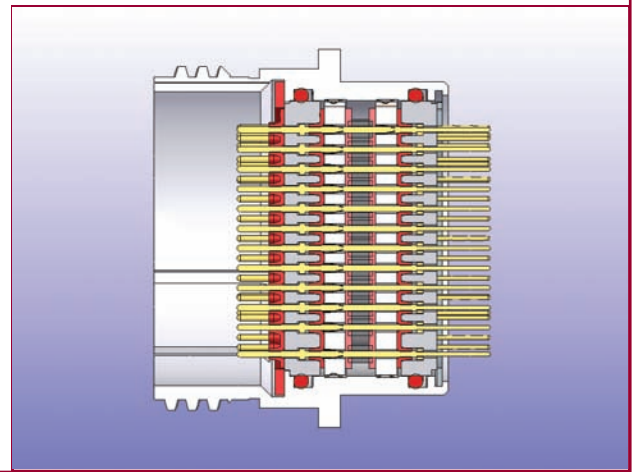


RoHS Compliant Solderless Filter Connectors Technology



Solderless Filter Technology RoHS Compliant

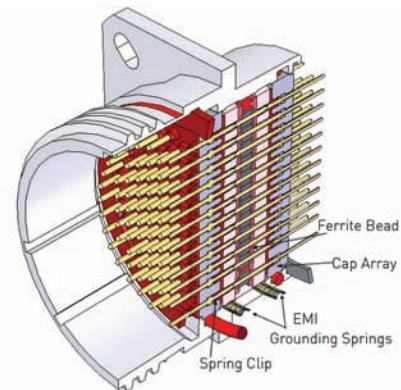
Sabritec has developed a new series of filtered connectors that are capable of providing exceptional low pass filtering and effective insertion loss without use of soldered components.

Sabritec's solderless filter connectors use a specially designed contact clip to make the connection from the signal/power contact to the capacitor array. An EMI ground spring provides a low resistance path between the capacitor array and connector shell. These connectors meet the same stringent electrical and mechanical requirements of soldered type filter connectors. A uniquely designed seal allows for water wash immersion of the connector in the unmated condition.

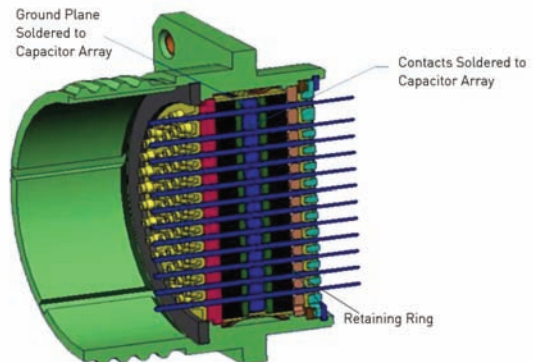
Benefits of Solderless Filter Technology

- RoHS Compliant
- No Solder design (not potted)
- Reworkable filter module assembly
- Modular construction
- High temperature lead free solder tolerant
- Qualification data available upon request

Solderless Filter Assembly



Solder Filter Assembly



Filter Connector Technology



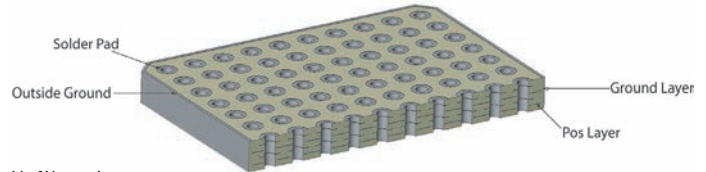
The heart of the filter connector is the capacitor array. Sabritec manufactures the monolithic ceramic capacitor array in both thick film and multilayer form. Using a dry process to laminate the layers of X7R ceramic tape, Sabritec is capable of achieving capacitance values from 50pF to 100nf on the same array.

Our extensive in house capability allows for unique applications and arrangements not engineered elsewhere in the connector world. This may include mixed contact sizes, new insert arrangements, or high voltage applications up to 1500 VDC Dielectric Withstand Voltage (DWV). Sabritec has over 20 Years experience in rugged Mil/Aero Filter connector design, manufacture and assembly.



Sabritec's in-house ceramic manufacturing allows for:

- Custom configurations
- Mixed capacitance w/high voltage capability (up to 1500 VDC)
- Transient protection that can be combined with EMI filtering
- Filtering of ANY type of connector



Features:

- EMI/RFI/low passfiltering and EMP protection
- EMP protection TAZ devices
- Diodes are field removable/replaceable
- System weight is reduced by integrating the filters and diodes into the connector
- Single capacitor array can provide multiple capacitance values

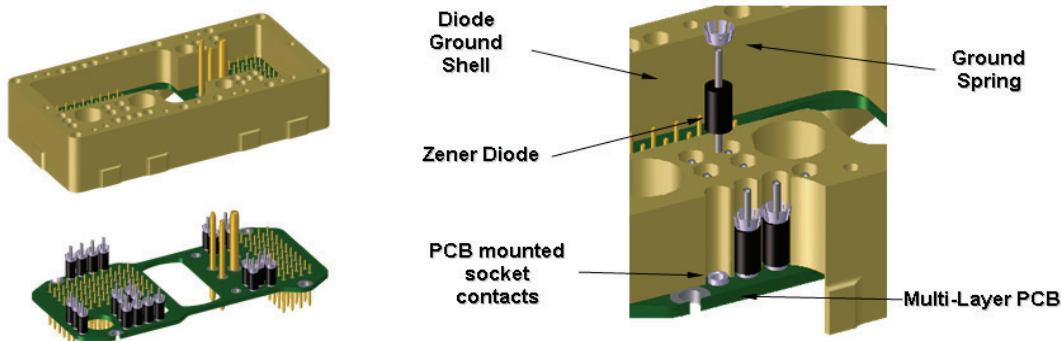
Qualification Data

Sabritec's filter connectors have successfully completed qualification to the applicable requirements of MIL-DTL-38999, MIL-C-26482, ARINC 404, and ARINC 600. Because of our extensive array of test equipment, we are able to complete most qualification requirements in house including all S-level space grade qualification and acceptance lot testing.

Sabritec's Filter Connectors meet or exceed the applicable requirements of the following specifications:

MIL-DTL-38999	MIL-C-26482
MIL-DTL-83723	MIL-DTL-26500
MIL-DTL-24308	MIL-DTL-83733
MIL-DTL-83513	MIL-C-81511
MIL-DTL-83527	ARINC 404/600

EMP Filter Construction



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FOR FURTHER INFORMATION VISIT >> www.sabritec.com