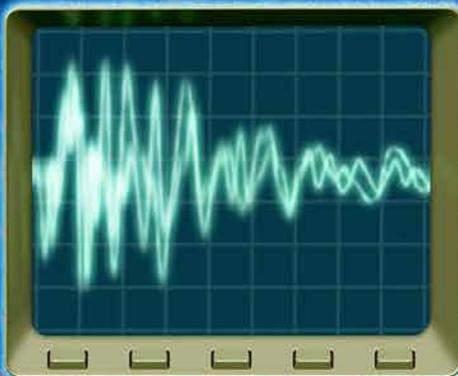
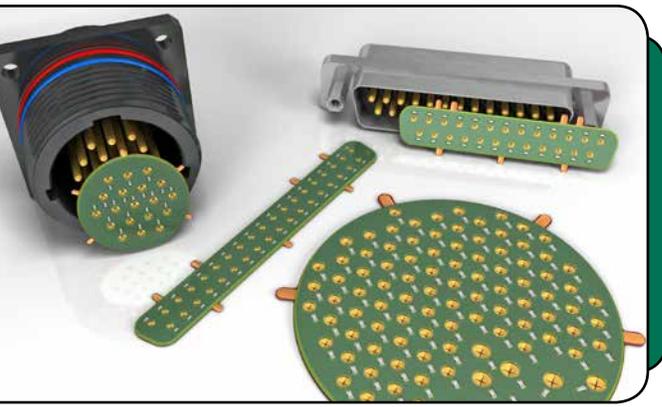




**SPACECRAFT
COMPONENTS CORP.**

EMI/RFI Filtered Connectors





“Flex” Filter Inserts

- “Drop-in” filter solution for military circular and D-Subminiature connectors
- Chip capacitor filtering with a wide array of capacitances and voltage ratings available
- Simple installation in your *existing* connector
- Cost effective, providing simple and immediate solutions

Filtered Military Circular Connectors

- AS50151, MIL-DTL-38999, MIL-DTL-26482, MIL-DTL-83723
- Available with chip capacitor up through Pi filtering
- Available with solder cup, PC tail and wired terminations
- Maximize your EMI filtering by customizing the filter on a pin by pin basis.



Filtered D-Subminiature and Micro-D Connectors

- Available with chip capacitor up through Pi filtering
- Many termination and hardware options available
- Custom configurations available

Custom Filtering Solutions

- Custom EMI filtering and transient suppression modules
- Wide variety of filtering and transient protection available
- Special configurations with RJ-45 or USB terminations
- Consult factory for details

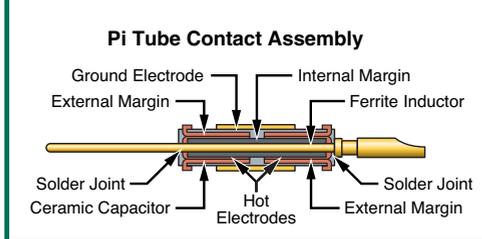
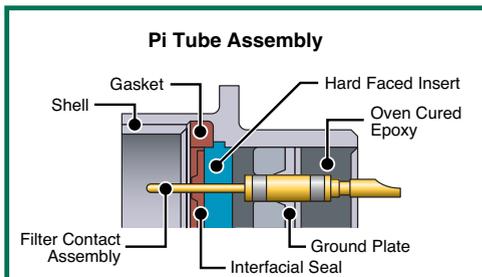
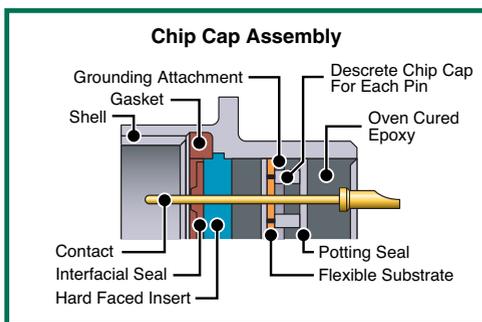
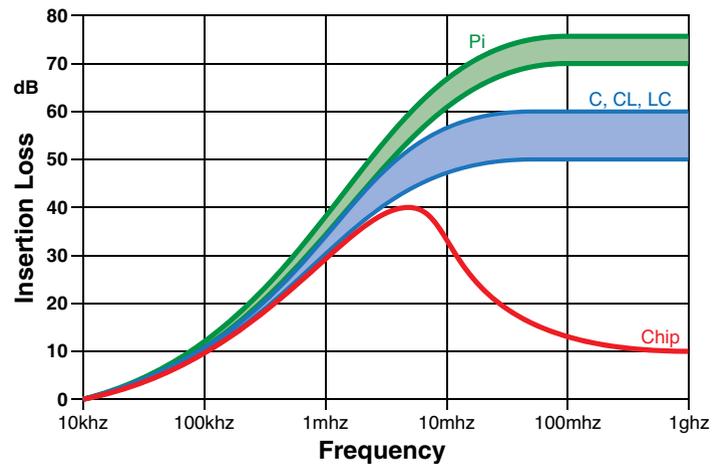
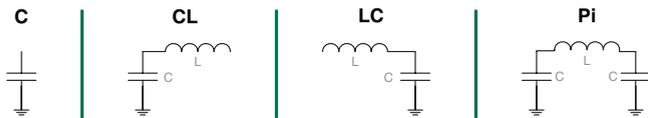


Why Filtered Connectors?

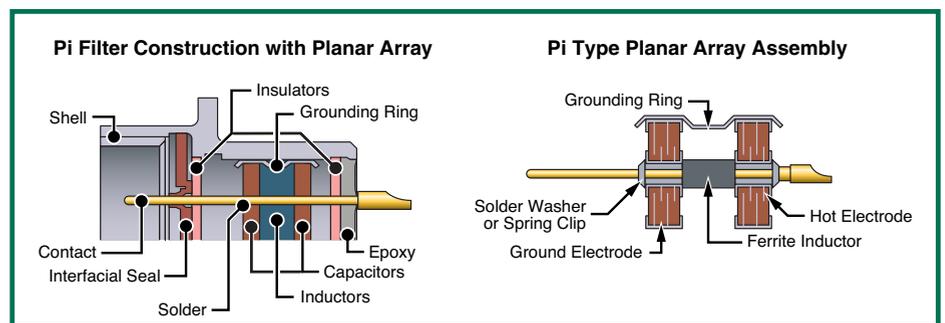
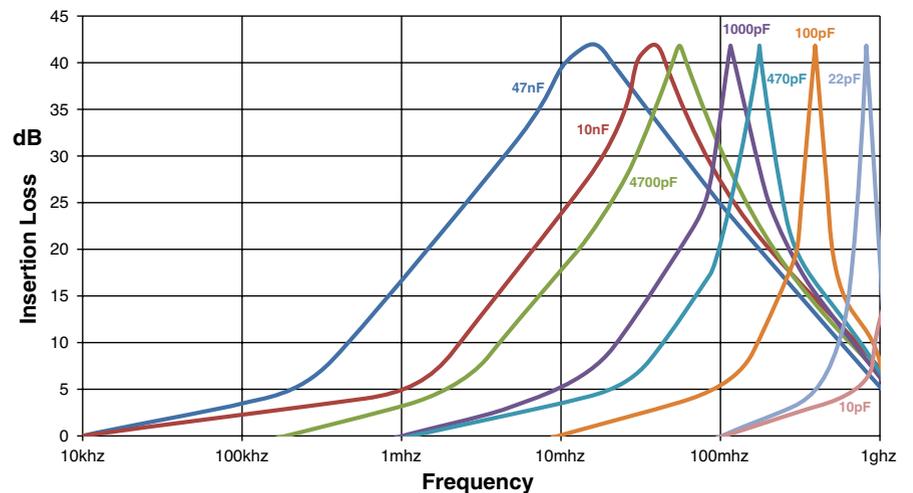
- ~ Simple cost effective solution to help meet EMI/RFI compatibility requirements
- ~ Best location for filtering is at the interface, which means inside the connector
- ~ Easy add on or replacement to help meet your EMI performance Needs
- ~ Helps reduce volume inside the unit as well as circuit board space
- ~ Meets military standard and aerospace environmental requirements (MIL-STD-810 and DO-160)
- ~ Improves overall reliability due to fewer solder joints and few interconnections
- ~ Insures that the fragile filtering components are well protected *inside* the connector
- ~ Parts are shipped 100% tested from the factory to insure proper performance and quality

Types of Filtered Connectors and Their Performance

	Capacitance Options	Filter Performance
Chip Capacitor	3 pF – 47,000 pF+	>40 dB
Discoidal Capacitor (C)	470 pF – 40,000 pF+	50 – 60 dB
Planar Array (CL & LC)	100 pF – 1 uF+	50 – 60 dB
Pi with Planar Arrays	100 pF – 1 uF+	70+ dB
Pi Tubes	47 pF – 12,000 pF	70+ dB



Chip Capacitor Filter Performance



Chip Capacitor Filtering

- ~ 40+ dB Insertion Loss
- ~ Quick Turn
- ~ Lowest Cost Option
- ~ Limited High Frequency Performance

C, C-L or L-C Filtering

- ~ Built with Chip Caps, Discoidals, Planars or C Tubes
- ~ 45 - 60 dB Insertion Loss
- ~ Good Broad Spectrum Filter Performance

Pi Filtering

- ~ Built with Pi Tubes, Discoidal or Planar Arrays
- ~ Provides C-L-C Component Configuration
- ~ Highest Performance – 70+ dB Insertion Loss
- ~ Very Good High Frequency Performance

Termination Options:

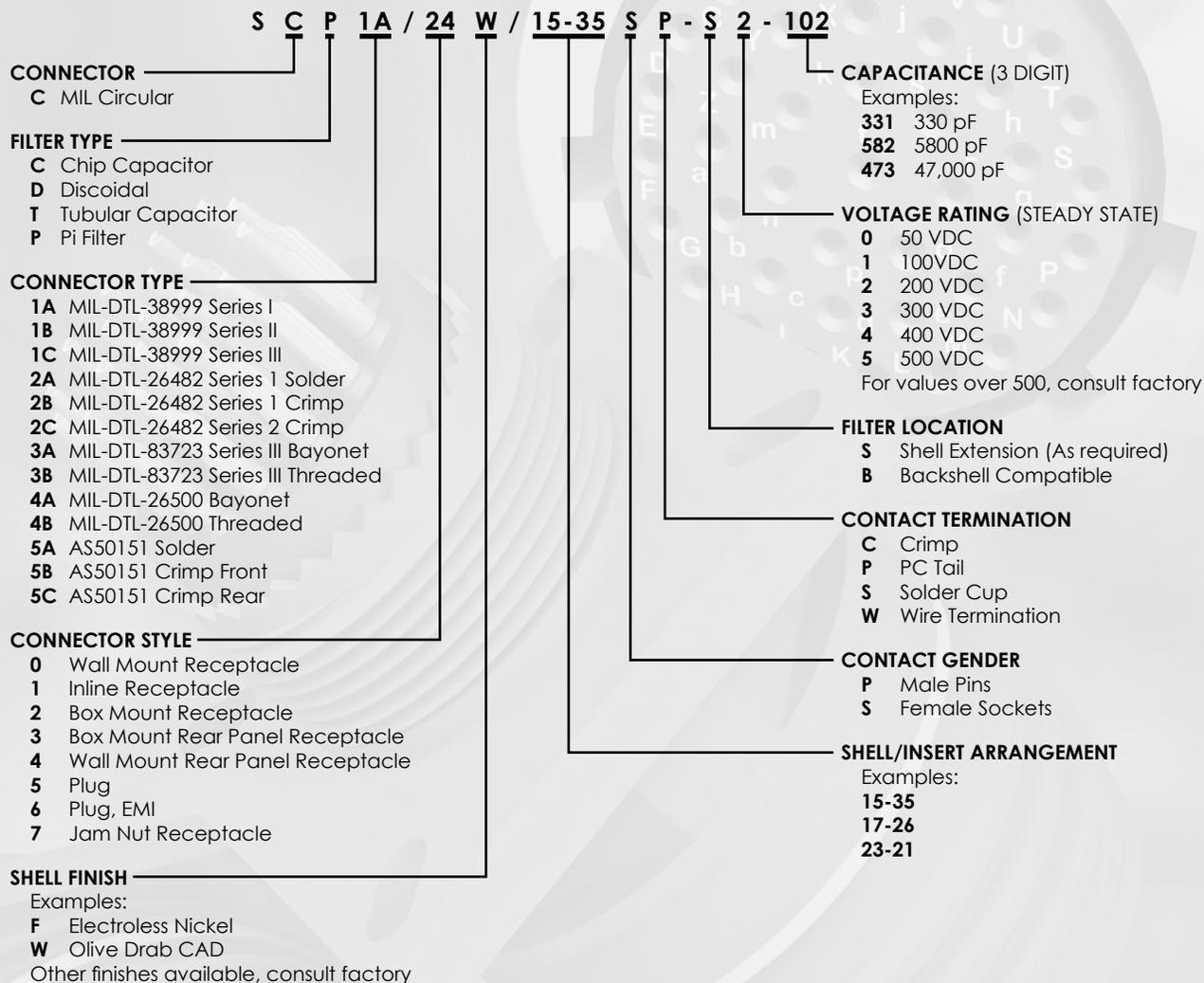
- ~ Solder Cup
- ~ PC Tail
- ~ Wired terminations

Other Options:

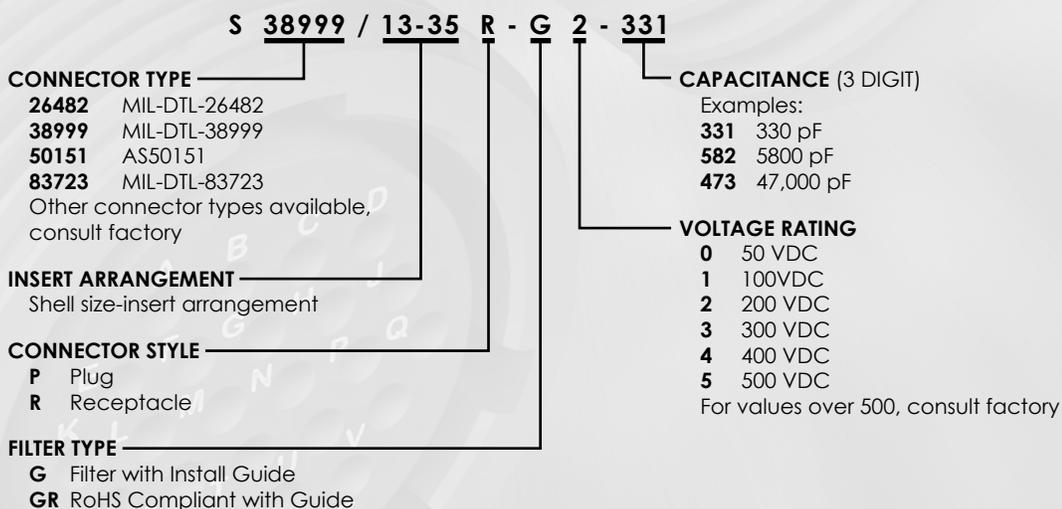
- ~ Custom versions available including the ability to define the Filtering on a Pin by Pin basis to help eliminate as much noise as possible from your system
- ~ Combination of filtering and transient suppression components available
- ~ Custom applications and Filter Modules available to meet your special requirements

Filtered Circular Part Numbers

Circular Connector Part Numbers



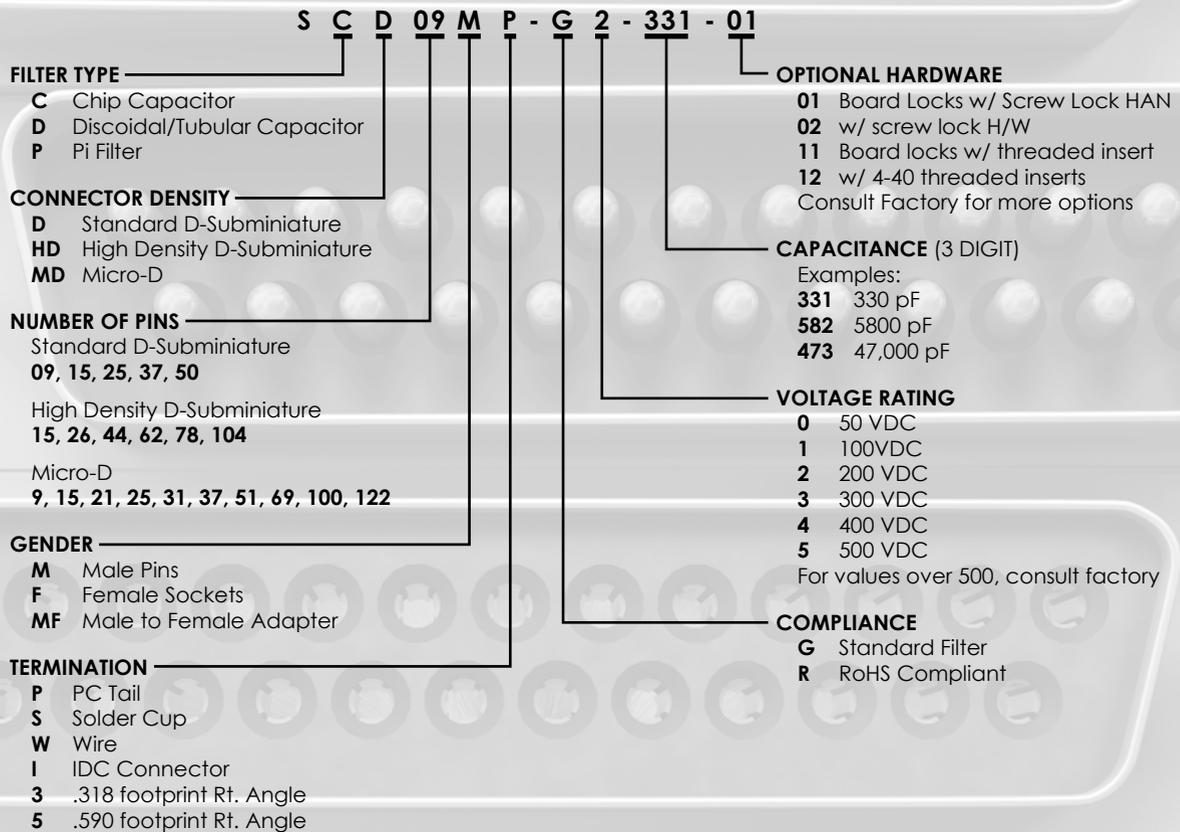
Circular Filter Insert Part Numbers



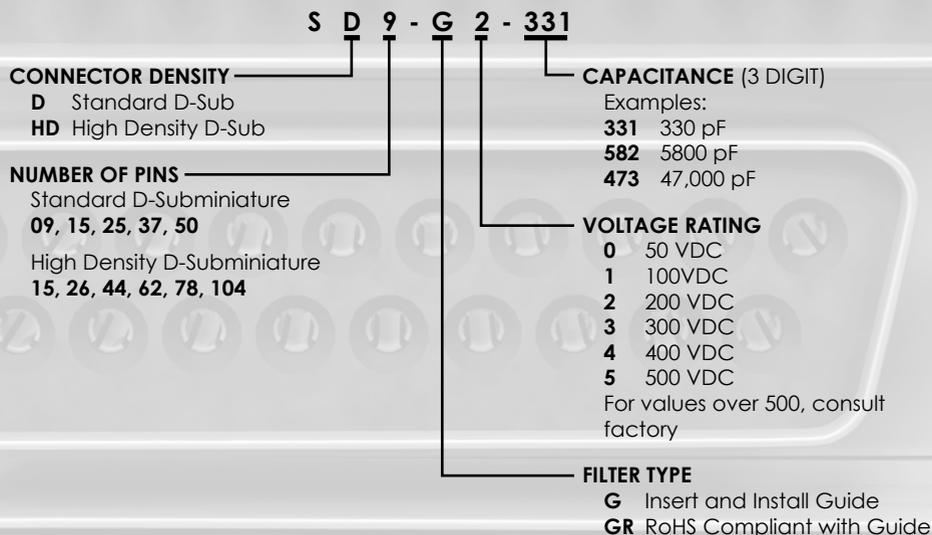
Please Consult the Factory for your Specific Part Number

Filtered D-Sub and Micro-D Part Numbers

D-Sub Filter Connector Part Numbers



D-Sub Filter Insert Part Numbers



Please Consult the Factory for your Specific Part Number

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Your Connector Consultant Since 1962

CATALOG
102

CATALOG
202

CATALOG
302

CATALOG
402

CATALOG
601

CATALOG
801

Try Our Other Connector Products

SCP 50151
Style
Connectors

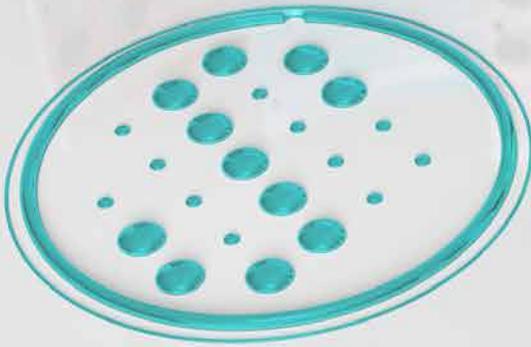
SCPT 26482 Style
SC1 38999 Series I
SC2 38999 Series II
SC39 38999 Series III

SCPB Series

Connector
Accessories

Connectors
with Integrated
Backshells

AS95234
Reverse
Bayonet
Connectors



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