

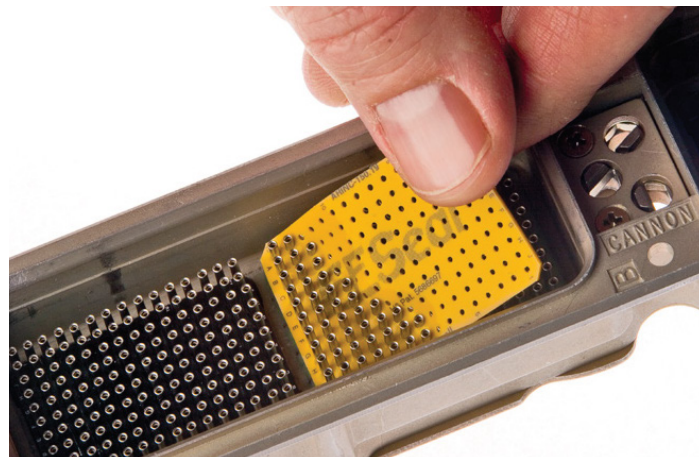
How EESeal® Filters Work

EMI Filter Inserts

The EESeal® compression is created and focused by undersizing and off-setting pinholes, over-sizing outer diameter and using the connector mating forces.

The compression is used to allow EESeals® to change their shape, adapt to misaligned pins, support easy installation and to create a reliable/re-usable connection for the gold-plated annealed-copper pins and edge contacts. Finally this compression is used to maintain/create the environmental seal and mechanically isolate all of the internal components.

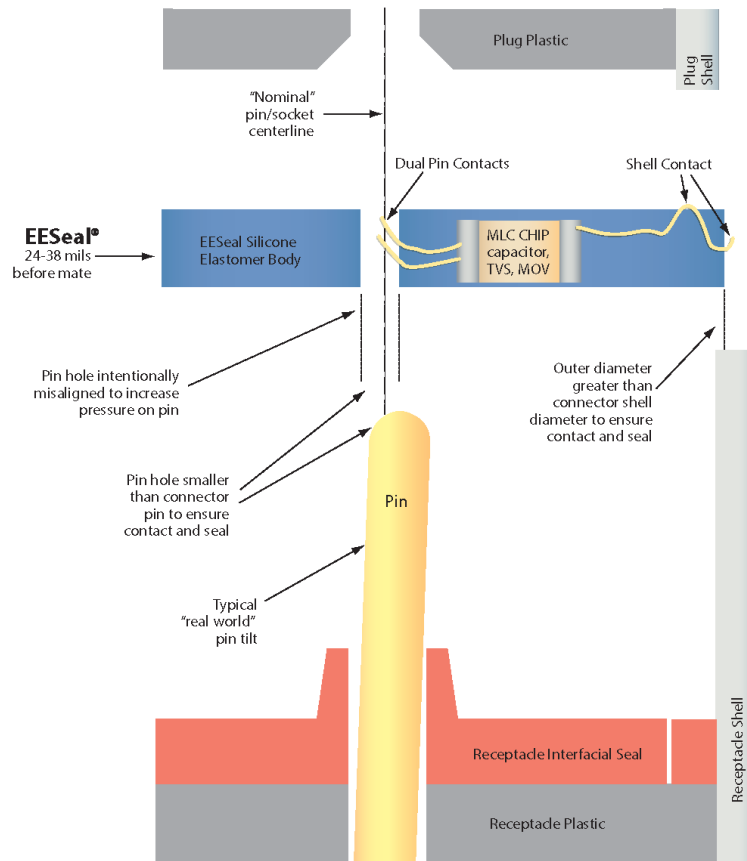
- Two Gold plated (MIL-G-45204) contacts per pin.
- Multiple Gold plated peripheral shell contacts. (MIL-G-45204)
- Environmental seal created for the host connector.
- Individual components and interconnections move as the body changes shape while maintaining electrical and mechanical integrity.
- Body acts as conformal coat and electrical isolation for suspended components.



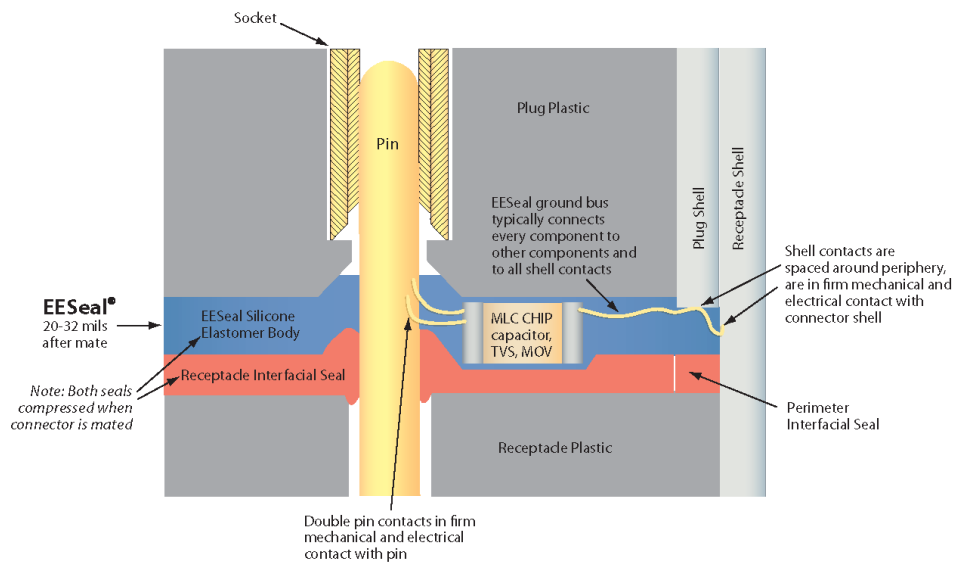
Inherent compressive forces are exploited to activate re-usable electrical contacts that can withstand extreme abuse (severe misalignments, vibration, even wrong pin sizes).

How EESeal® Filters Work

Cross Section of EESeal® Before it's Seated in a Connector

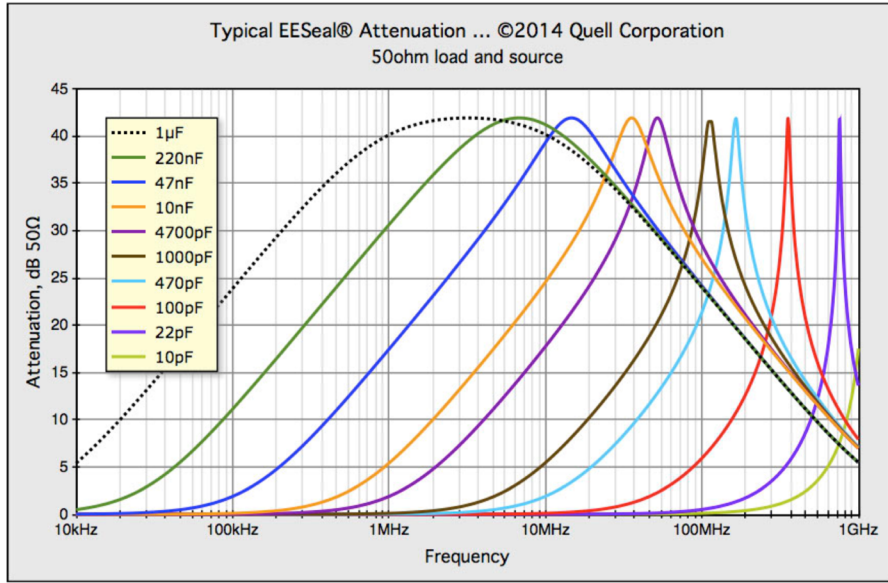


Cross Section of EESeal® After it's Seated in a Connector



How EESeal® Filters Work

Typical EESeal® Insert Attenuations, Single Capacitor to Shell



Typical EESeal® Insert Attenuations, Dual Capacitor to Shell

some connectors do not have room to accomplish this

