



Kevin Foreman Paul Miller



5639B Jefferson NE Albuquerque, NM 87109 (505) 243-1423

www.eeseal.com

What is Quell's innovative EESeal® FilterSeal?

- EMI Filter Insert that installs in any connector in seconds
 - no soldering, no tools required





- EESeal's unique elastomeric body & adaptive interconnect system* suspends, isolates & protects discrete electrical components
 - entire assembly can radically change shape and size in response to external forces
 - individual components and interconnections move as body changes shape while maintaining electrical and mechanical integrity
 - body acts as conformal coat & electrical isolation for suspended components
 - natural compressive forces exploited to create re-usable electrical contacts that can withstand extreme abuse (severe misalignments, vibration, wrong pin sizes)
 - environmental seal created for the host location

Contact Quell & Get A Free Sample!



How to contact Quell:

Phone: (505) 243-1423
Fax: (505) 243-9772
Quell Corporation
5639B Jefferson NE
Albuquerque, New Mexico 87109

www.eeseal.com eeseal@quell.us

Get a <u>free</u> EESeal FilterSeal just for the asking!

DSub-type (9, 15, 25 or 37 pin with various filters available)

MS-circular available on a limited basis (if we have what you want in stock, we'll sample it to you free of charge)

Request a **FREE** custom prototype for most applications

Some major advantages over existing EMI filters

- No circuit-board, substrate or brittle materials of any kind, so EESeal[®]:
 - is mostly silicone elastomer, like the interfacial seal in most MS Circular connectors (it won't create air pockets or defeat the existing environmental seal)
 - uses 3D construction (2D PC board construction risks violation of applicable mil-standards for spacing, conformal coat, pad-size, etc.)
 - components and wiring are fully imbedded in protective material (caps can't "pop off", won't be damaged/cracked during installation or use)
 - all surfaces of external and internal wiring fully plated (50-70µin Au over Ni flash)
 - withstands severe temperature ranges and exposure to many deteriorating influences such as ozone, chemicals, aging, UV
- No "brittle" spring metal contacts (e.g., BeCu), so **EESeal®** contacts:
 - can accommodate severe misalignment and mismatch without degradation
 - will not be "sprung" by overstress during installation or use

Contact Quell & Get A Free Sample!



How to contact Quell:

Phone: (505) 243-1423 Fax: (505) 243-9772 **Quell Corporation** 5639B Jefferson NE Albuquerque, New Mexico 87109 www.eeseal.com

eeseal@quell.us

Get a free EESeal FilterSeal just for the asking!

DSub-type (9, 15, 25 or 37 pin with various filters available)

MS-circular available on a **limited basis** (if we have what you want in stock, we'll sample it to you free of charge)

Request a **FREE** custom prototype for most applications

Some Major Benefits of EESeal® FilterSeals

- EESeal FilterSeals can quickly and easily *RETROFIT* any connector with EMI & transient protection
 - » easy to install & remove in field by non-expert personnel with no special tools
 - » virtually "invisible" once installed -- they look like a normal part of a connector
 - » maintains environmental seal of host connector
 - » adapts to real-world variations & stress commonly associated with connectors and connector pins (bent pins, severe shock & vibration, rough handling, etc.)
 - » rugged design proven via Mil-Std & FAA/DO-160C environmental stress testing
 - » extremely low weight
 - » filter can be designed/modified very late in design process
 - » reduces risk of passing EMC tests because design is flexible, easy to update
 - » no "bad side-effects" like existing technology (installation damage & difficulty, etc)
- EESeal FilterSeal allow you to prove its effectiveness
 - » 1. test your system without EESeal, show you've got a problem
 - » 2. take a couple minutes to install EESeal in the failing system
 - » 3. retest and prove for yourself it works!

Contact Quell & Get A Free Sample!



How to contact Quell:

Phone: (505) 243-1423
Fax: (505) 243-9772
Quell Corporation
5639B Jefferson NE
Albuquerque, New Mexico 87109

www.eeseal.com eeseal@quell.us

Get a <u>free</u> EESeal FilterSeal just for the asking!

DSub-type (9, 15, 25 or 37 pin with various filters available)

MS-circular available on a limited basis (if we have what you want in stock, we'll sample it to you free of charge)

Request a **FREE** custom prototype for most applications

EESeals are Available for aWide Range of Connectors

A Few Common Examples:









customs

MIL-STD-5015

MIL-STD-26482

MIL-C-38999

Complete U.S. Park Stage (by)

And the Analysis of the Analysi

High Density DSubminiature



DSubminiature



Avionics Rack Connectors



Contact Quell & Get A Free Sample!



How to contact Quell:

Phone: (505) 243-1423
Fax: (505) 243-9772
Quell Corporation
5639B Jefferson NE
Albuquerque, New Mexico 87109

www.eeseal.com eeseal@quell.us

Get a <u>free</u> EESeal FilterSeal just for the asking!

DSub-type (9, 15, 25 or 37 pin with various filters available)

MS-circular available on a limited basis (if we have what you want in stock, we'll sample it to you free of charge)

Request a **FREE** custom prototype for most applications