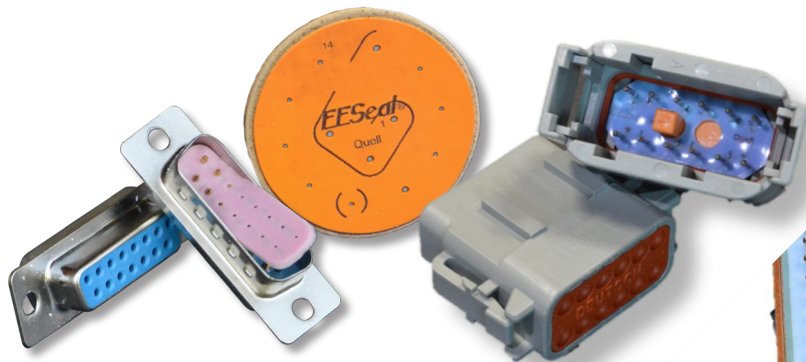


A Visual Guide to Quell **EESeal®** and **EESeal+** EMI Filter Inserts



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INTRODUCTION

In applications that require the highest level of reliable and accurate performance, there is no room for error caused by interference. Engineers need effective noise mitigation solutions, and those solutions have to be dependable even under extreme conditions.

Quell's EESeal and EESeal+ EMI Filter Inserts were designed with these imperatives in mind. While small, lightweight, and installable in under a minute, the EESeal and EESeal+ are made of a super-resilient silicone material that meet the needs of the most stringent applications.

This guide will provide visual examples of how these filter inserts prevent EMI and help achieve compliance in these demanding fields:

- Military & Defense
- Aeronautics
- Space
- Medical



Military & Defense



Aeronautics



Space



Medical



MILITARY & DEFENSE



Military equipment and devices face some of the most intense compliance standards of any application. For these products to perform safely and effectively, engineers must account for heavy interference, limited space, and extreme environmental conditions.

See how the EESeal and EESeal+ answer these issues, bringing military devices to MIL-STD-461 compliance.



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AERONAUTICS



As high power and high frequency transmitters continue to develop and are paired with increasingly complex aircraft systems, the risk of dangerous EMI issues grows. Commercial aerospace standards like those of DO-160 now in many ways rival the demands of military standards.

The EESeal and EESeal+ are built to meet the strict requirements of airborne equipment and its harsh conditions, including thermal cycling and humidity.



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SPACE



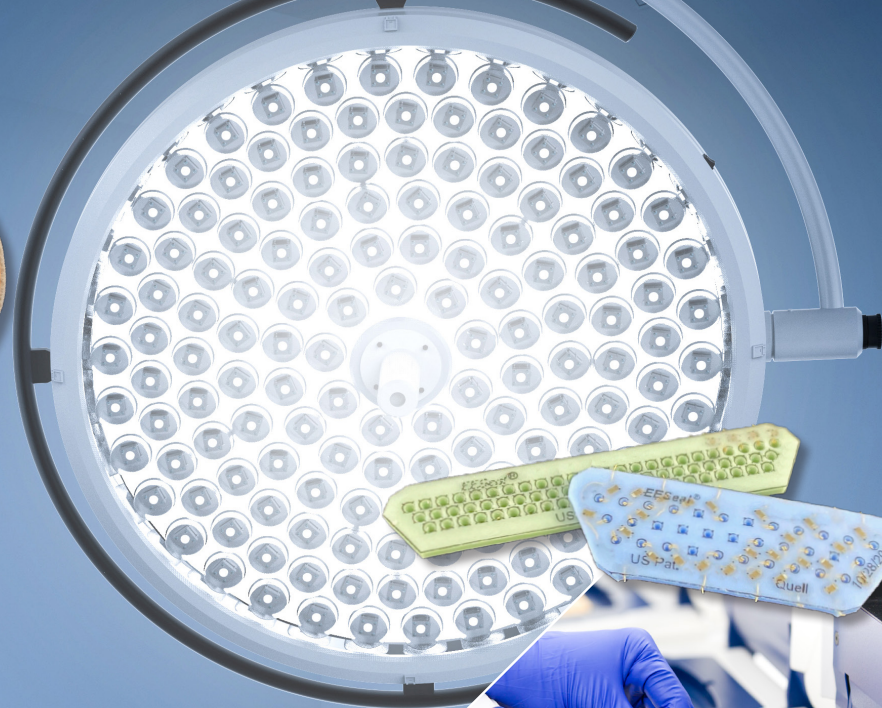
Since 2006 (over 15 years!), the EESeal has served above our atmosphere, preventing issues caused by EMI and ESD aboard ships and satellites. With such sensitive devices and potentially disastrous consequences, reliable mitigation against interference is crucial.

EESeal and EESeal+ can permanently protect space equipment from EMI and ESD without taking up valuable space. They pass NASA outgassing and withstand an onslaught of MIL-STD and DO-160C mechanical and environmental conditions.



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MEDICAL



Safe, reliable, high-performance medical equipment has never been in higher demand. While the incorporation of newer computerized and digital devices allows doctors to be more accurate and efficient, it can also cause EMI havoc. The last place anyone wants to face malfunction caused by interference is in a hospital room.

The EESeal and EESeal+ are routinely at work in high-value medical devices and equipment internationally, keeping patients and healthcare personnel safe.



www.eeseal.com

Try an EESeal or EESeal+ For Yourself Request a FREE Sample Today.

Visit eeseal.com/samples and provide these details about your project:

- Complete connector part numbers
- Desired capacitance values and/or filter frequencies/characteristics
- Voltages on all pins (e.g., 115VAC 400Hz, 28VDC, etc.)
- Identify any pins that carry high-frequency data (e.g., RS232, Ethernet, video, etc.)
- Do any transient or lightning specifications need to be met?
- Where should we ship your sample?

Once we have your info, our engineers will design,
build and ship your FREE custom EESeal® in 24-48 hours!

Quick, Easy, Permanent Retrofit with EESEAL® Inserts



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