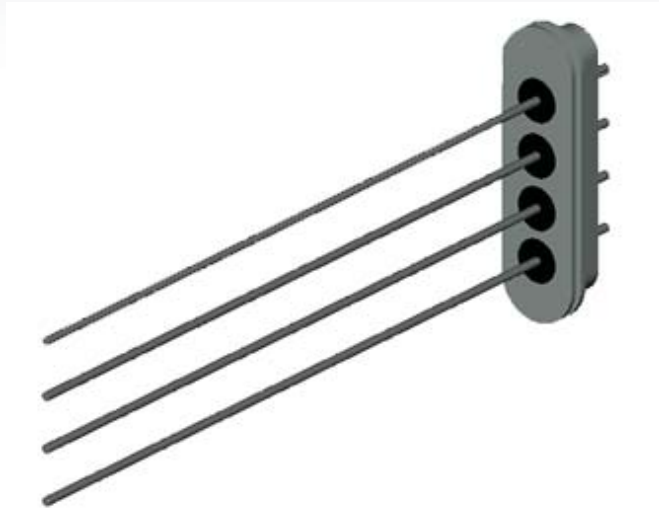


# Hermetic Connectors



## Implantable Filtered Feedthrus

Size is a critical consideration when designing implantable components. PA&E uses the world's smallest multi-layer ceramic discoidal capacitors at 0.040" in diameter. Thanks to its unique manufacturing process, PA&E can install these capacitors on the individual feedthru pins when required.

**EMI Protection** ■ Individually filtered pins

**Field Proven** ■ Titanium body, platinum/iridium pins

**Hermetic** ■ Leak rate <  $10^{-9}$  atm-cm<sup>3</sup>/s



# Implantable Hermetic Connectors

## Design History

We have been making implantable devices in volume for over 30 years.

## Design Flexibility

Complex shapes can be easily realized without the need for elaborate and expensive mold tooling. Our expertise in titanium machining enables us to effectively produce a wide variety of geometries.

## Development Flexibility

Need to move a pin? A simple engineering change and programming change and the next version is ready. No complex mold tools to scrap.

## Better Standoff Distances

Our pins are sealed into headers using our Kryoflex<sup>®</sup> ceramic sealant - an excellent insulator. Other technologies such as gold braze use a metallic braze filler as a sealant, which, for a given geometry, reduces the effective electrical pin-to-body standoff distance.

## Transparency: Prototypes to Production

Our prototype parts are identical to the final production parts. Need 50 parts to start your qualification process? No problem. You can start qualification testing with these parts with assurances that future parts will be identical. Other technologies use different production strategies depending on volume, so testing performed on low volume samples may have to be redone for larger volume production parts produced with different methods.

For further information contact us at [sales@pacaero.com](mailto:sales@pacaero.com)  
or visit our web site [www.pacaero.com](http://www.pacaero.com)

