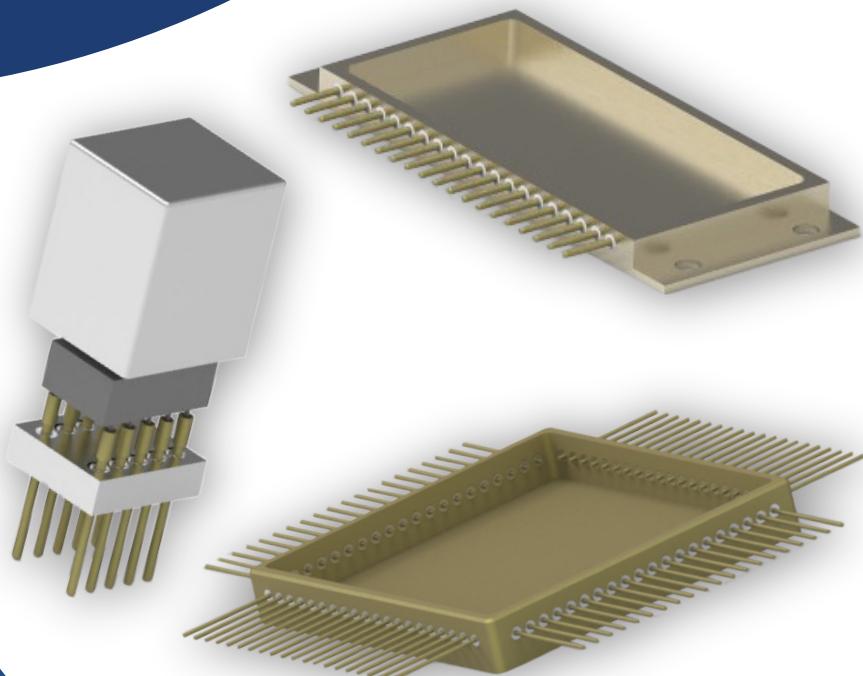


# Hermetic Packaging

Perfect connections for mission critical applications



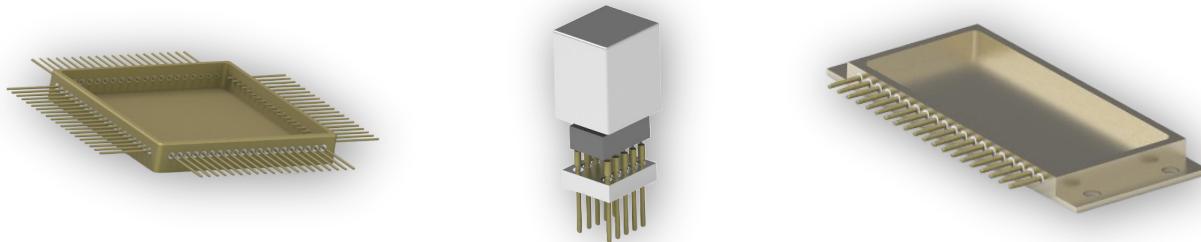
**martec**<sup>®</sup>  
an Amphenol® company

## Description

In applications where the reliability and performance of electrical connections are critical, such as gas tight barriers or high-pressure differentials, hermetic packaging is essential to maintaining system integrity.

Martec's Hermetic packaging protects your electronics against environmental conditions, including pressure differentials, humidity/moisture, temperature, and other harsh environmental consideration, stopping disruption to your electrical systems. The materials used in our Hermetics Packaging can be selected depending on environment required and configured to suit electrical performance.

# Hermetic Packaging Specifications



No of Contacts	Up to 80 contacts
Contact Size	0.75 mm (0.295")
Pin Material	Kovar, Alloy 52 or Stainless Steel
Shell Material	Kovar, Stainless Steel or Titanium
Insulator	Glass
Insulation Resistance	100 GΩ @ 500 V DC
Packaging Size	To customer requirements, max 65 mm x 65 mm (Shell), 84 mm x 84 mm (Overall)
Sealing Capability	1 x 10 <sup>-7</sup> cc/sec helium @ 1 atmosphere
Styles Available	Power Surface Mount, Tub Flatpack, Plug Ins, Relays, Bespoke Machined Housing

We know they are commonly used in the following areas

- Electronic Warfare Systems
- Missiles
- Night vision

- Radars
- Avionics
- Communication

- Optical Transmission
- Space
- Medical

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