

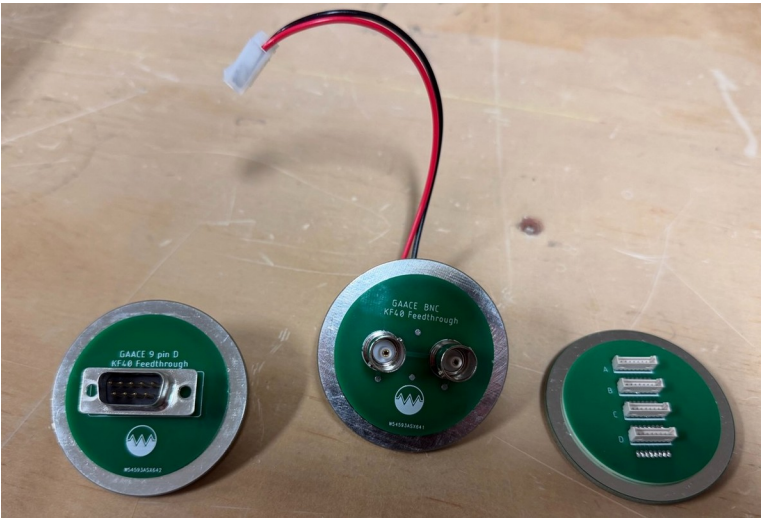
PCB KF VACUUM FEEDTHROUGHS

Product Specifications

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1. Overview

GAACE PCB-based vacuum feedthroughs bring electrical signals into a vacuum chamber through a low-cost, PCB-based design — an economical alternative to traditional machined feedthroughs. Available in KF16, KF25, and KF40 flange sizes with a wide range of connector options, each feedthrough is tested to 10^{-6} Torr.



D9, BNC, and Picoblade connector variants (KF40 shown)

2. Key Specifications

Flange Sizes	KF16, KF25, KF40
Connector Options	BNC, D-sub (9-pin), Picoblade, pin-style
Tested Vacuum Level	10^{-6} Torr
Construction	PCB-based

3. D9 Feedthrough Detail

The D9 feedthrough has a 9-pin D-sub male connector on the atmosphere side and pin connectors on the vacuum side. Vacuum-side wiring — such as PTFE wire fitted with sockets — makes connections easy and allows pin assignments to be changed as needed.



D9 and BNC KF40 feedthroughs installed on a vacuum chamber flange

4. Custom Configurations

Many different configurations are possible beyond the standard offerings above. Contact GAA Custom Electronics to discuss custom pin counts, connector types, or flange sizes for your application.