

FEEDTHROUGH CONNECTOR FOR HERMETICALLY SEALED ELECTRONIC DEVICES

ABSTRACT OF THE DISCLOSURE

The present disclosure relates to an apparatus that includes an electrical connector that is coupled to a housing and that extends through a feedthrough aperture in the housing. The electrical connector has an electrically insulating base that has multiple layers of electrically insulating material with electrical traces extending between the multiple layers. The electrically insulating base also has a first portion disposed in the interior cavity, a second portion disposed external to the interior cavity, and a sealing portion disposed between the inwardly positioned portion and the outwardly positioned portion. The electrical connector also includes a first plurality of electrical leads that are disposed on the outwardly positioned portion of the electrically insulating base and a second plurality of electrical leads disposed on the inwardly positioned portion of the electrically isolating base material. Each of the electrical leads is electrically coupled to a corresponding lead.

FIG. 1