



SPECIAL HERMETIC PRODUCTS, INC.

Hi-Rel By Design

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Design & Process Guidelines

GUIDE# 5

**Guidelines for the Use
of Hermetic Headers**

Headers are an effective method of providing pins with close spacings in a soldered assembly. Even though they are generally manufactured in smaller quantities than single pin feedthrus, they can be cost competitive particularly when pins are formed or flattened for wire bonding.

Spacings are available down to .050 in. Specials can easily be constructed to provide non-uniform or tailored pin spacings. EMI capacitors can also be provided on all or select pins.

Headers must be selected or designed with care based on the host housing material and temperature range of operation. It is essential that the critical length not be exceeded if reliable operational life is to be assured.

When designed properly, headers can provide a reliable option to individual feedthrus.