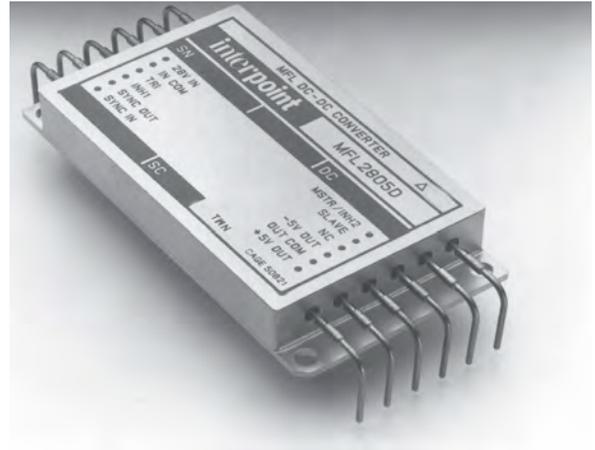


Pin Terminal Adaptor (PIN) Accessory

FEATURES

- Adapts Interpoint side-leaded cases to up-leaded or down-leaded configurations
- Compatible with many families of Interpoint products for use in military and space applications
- Low resistance
- Copper alloy with solder plating over nickel



PIN-001 adaptor dimensions are on the following page.

MODEL

PIN-001

DESCRIPTION

Interpoint® side-leaded packages can be adapted with PIN terminal adapters to fit a variety of configurations. These versatile adapters slide over the ends of side-leaded package terminals and are intended to be soldered to the leads to provide an up-leaded or down-leaded configuration.

CONSTRUCTION

PIN adapters are constructed from low resistance copper alloy Cu-70210 which has a conductivity similar to that of copper. The plating is 50 microinches (0.12 mm) of solder—60% tin and 40% lead—over 100 to 200 microinches (2.5 to 5 mm) of electrolytic nickel plating.

LOW RESISTANCE

Low resistance copper alloy construction minimizes the voltage drop across the PIN terminals. For example, when operating the MFL2805S at full load (10 A) the voltage drop over the full length of the adapter on positive V_{out} is just 30 mV. On single output converter models, the sense function can compensate for this small drop if required.

SOLDERING

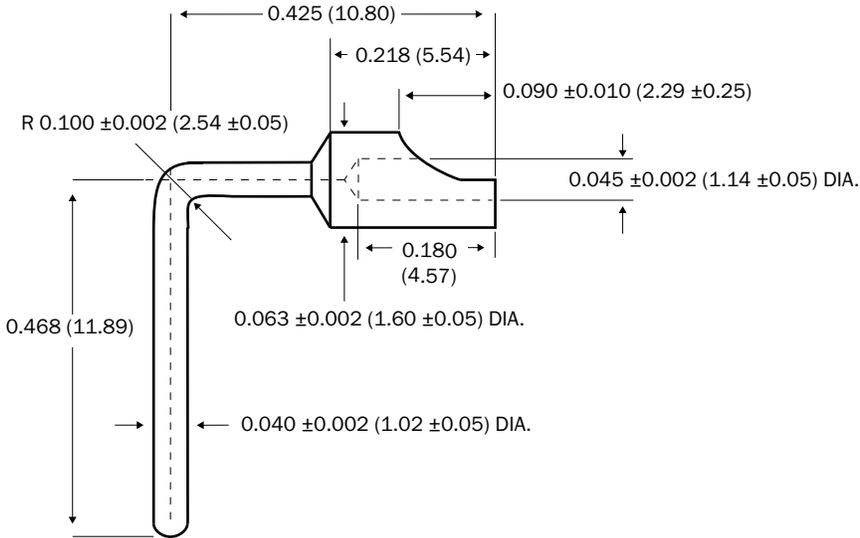
To prevent unwanted solder reflow, the suggested solders are SN 96 (high-temp solder) to connect the PIN to the converter terminal and SN 62 to connect the PIN to the board. The soldering restrictions referenced on the data sheets of the listed Interpoint products are 300 °C for a maximum of 10 seconds per terminal.

APPLICATION

PIN terminal adapters are compatible with the following Interpoint products:

- MFL and MFLHP Series™ DC-DC Converters
- MFP0507S Series™ DC-DC Converters
- MHP270 Series™ DC-DC Converters
- MOR Series™ DC-DC Converters
- FMCE-1528 and FMCE-0828-SL Series™ EMI Filters
- SMFL and SMFLHP Series™ DC-DC Converters
- SMP120 Series™ DC-DC Converters
- SMRT Series™ DC-DC Converters
- SFME Series™ EMI Filters
- LCM-120 Series™ Line Conditioning Module

Pin Terminal Adaptor (PIN) Accessory



Nominal dimensions in inches (mm)
 Tolerance: ±0.005 (±0.13) for three decimal places, ±0.01 (±0.3) for two decimal places,
 ±0.002 (±0.051) for Radii and diameters.

FIGURE 1: PIN-001 DIMENSIONS

To prevent unwanted solder reflow, the suggested solders are SN 96 (high-temp solder) to connect the PIN to the converter terminal and SN 62 to connect the PIN to the board. The soldering restrictions referenced on the data sheets of the listed Interpoint products are 300°C for a maximum of 10 seconds per terminal.

PIN adaptors are designed to be used with side-leaded cases.

