FEATURES

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

DESCRIPTION

Interpoint® side-ledged packages can be adapted with PIN terminal adapters to fit a variety of configurations. These versatile adapters slide over the ends of side-ledged package terminals and are intended to be soldered to the leads to provide an up-ledged or down-ledged 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 MFL2605S at full load (10 A) the voltage drop over the full length of the adapter on positive Vout 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
- MHP 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

![Diagram of a pin terminal adaptor]

Nominal dimensions in inches (mm)
Tolerance: ±0.005 (±0.13) for three decimal places, ±0.01 (±0.25) for two decimal places,
±0.002 (±0.05) 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-lead cases.