

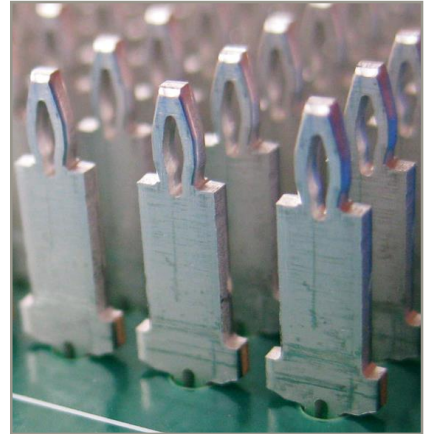
Press-Fit

Current Carrying Capacity Datasheet

This document displays electrical current carrying capacity data for Interplex's 0.40mm MiniPLX, 0.64mm EON and 0.80mm EON Press-Fit zones.

The data displayed in this document are intended as design guidelines; the Press-Fit interconnect may be able to conduct more or less current, depending on the application's ability to dissipate thermally when in operation.

For more information on our other Press-Fit sizes, contact us at communications@interplex.com.



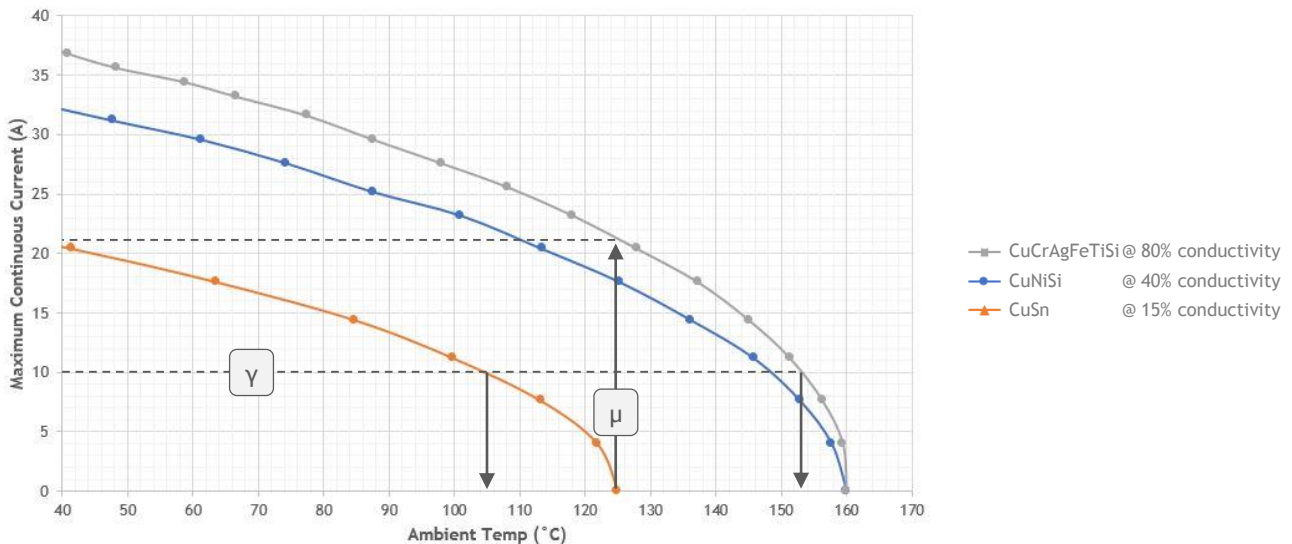
A Global Leader in Press-Fit Technology

Interplex's expertise in custom applications encompasses adapting Press-Fit technology for a wide range of industry-specific applications. With the explosive growth in power device and module applications, new applications are developing quickly, requiring Press-Fit interconnects to carry higher currents than typically required in the past.

Application Examples

If the maximum operational temperature of an assembly were 125°C, the maximum current for the 0.64mm Press-Fit section would be 21A with an 80% conductivity alloy (see μ).

If your application needed to conduct 10A, your application's maximum temperature would need to be 105°C for 15% conductivity alloy, but could be as high as 153°C for more conductive alloys (see γ).



Current Carrying Capacity Graphs

Current derated 20% for all sizes

Alloys Tested

- CuCrAgFeTiSi @ 80% conductivity
- CuNiSi @ 40% conductivity
- CuZnSn @ 30% conductivity
- CuSn @ 15% conductivity

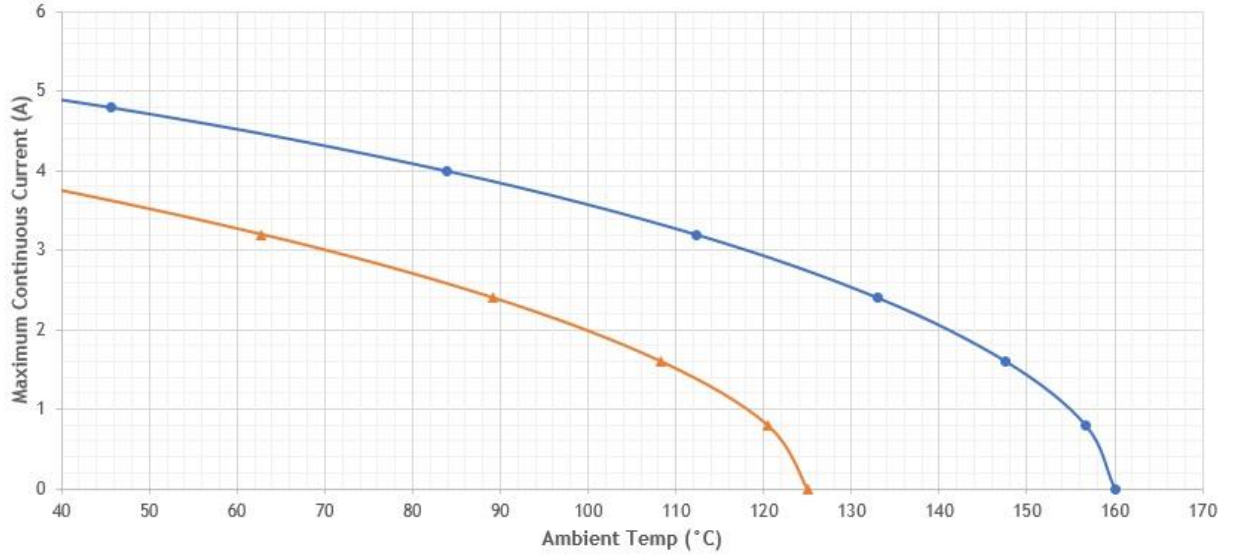
PCB Specifications

- PCB Hole: 1oz Copper
- PCB Trace: 3oz Copper
- PCB Trace Width: 3.5mm

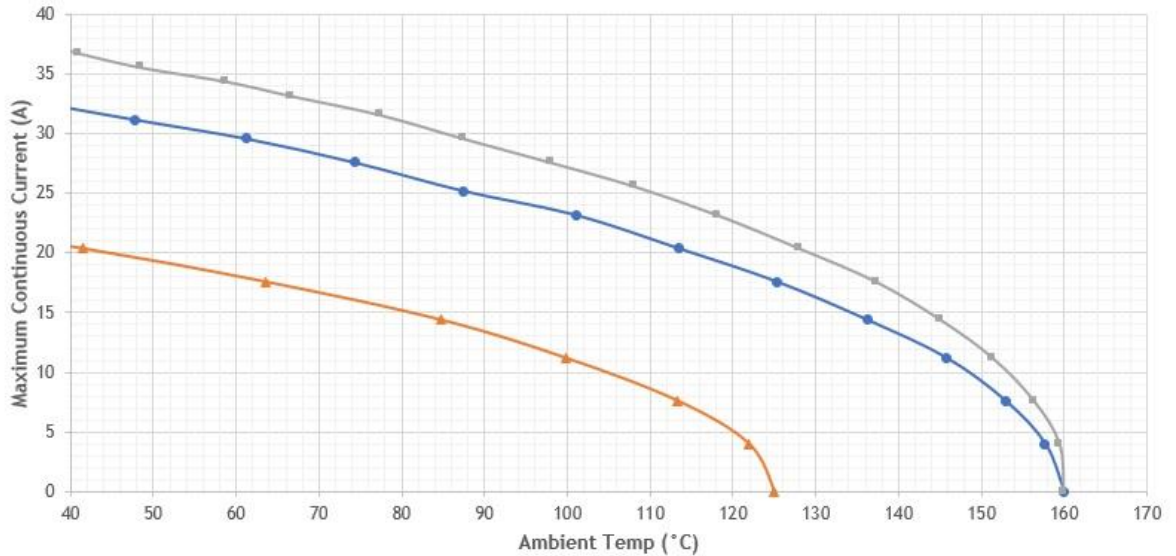
Test Wire Gauge

2.0mm² (14 AWG)

**0.40mm
MiniPLX**



**0.64mm
EON**



**0.80mm
EON**

