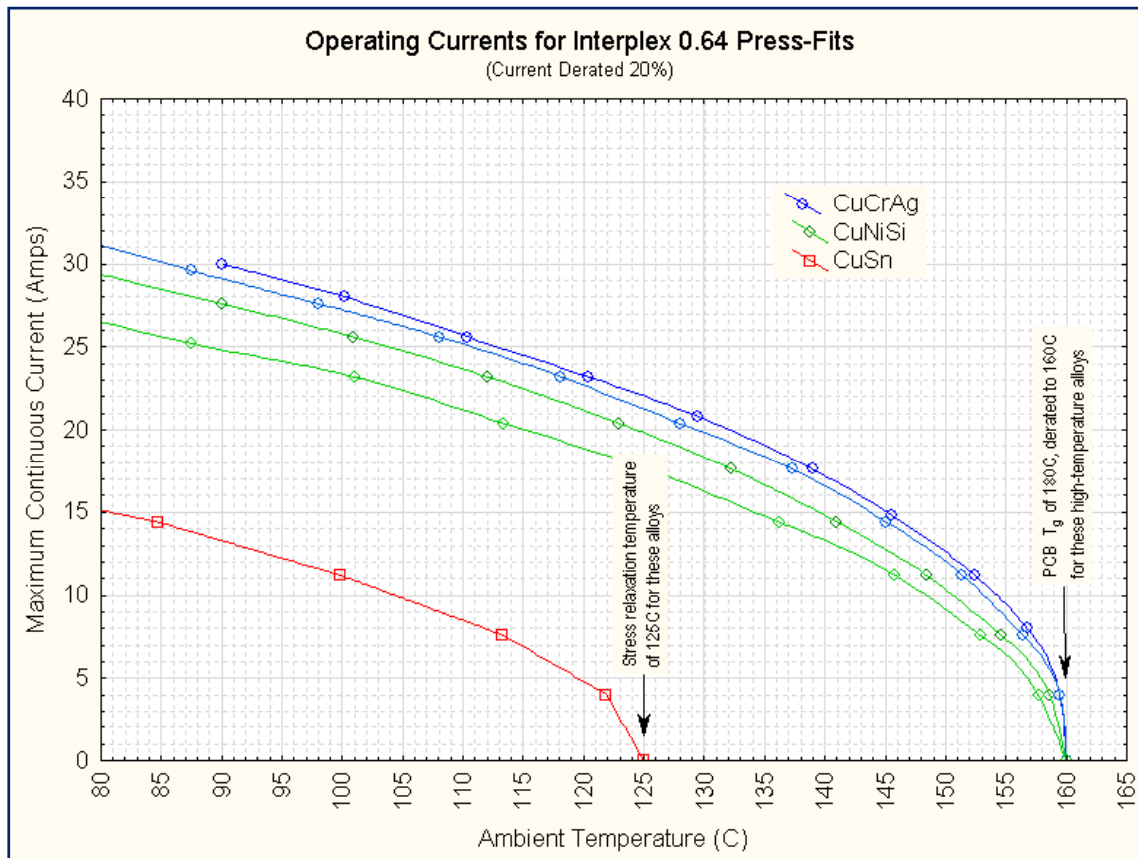
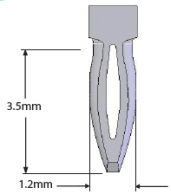


# Press-Fit Current Carrying Capacity Data



Interplex has designed its press-fit products to meet the rigorous application environments of the automotive industry. However, the press-fit products can also be utilized in applications found in Medical, Industrial, Telecom and other industries as well. With the explosive growth in the power device and module industry, new applications are developing quickly, requiring press-fit interconnects to carry higher currents than typically required in the past. This document displays the electrical current capacity data for Interplex's two most popular sizes of press-fit zones, 0.64mm and 0.80mm. The data displayed here 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 it is in operation.

## 0.64mm Press-Fit Section



Press-Fit Products

### Alloys Tested

- CuCrAg-80% Conductivity
- CuNiSi-40% Conductivity
- CuSn-15% Conductivity

### PCB Specifications

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

### Test Wire Gauge

2.0mm<sup>2</sup> (14 AWG)

### Application Examples:

- If the maximum operational temperature of an assembly was 125°C the maximum current for the 0.64mm press-fit section would be 22 amps with an 80 % conductivity alloy .
- If your application needed to conduct 10 amps your applications maximum temperature would need to be 105°C for 15% alloy but could be as high as 155°C for more conductive alloys.



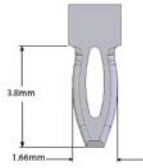
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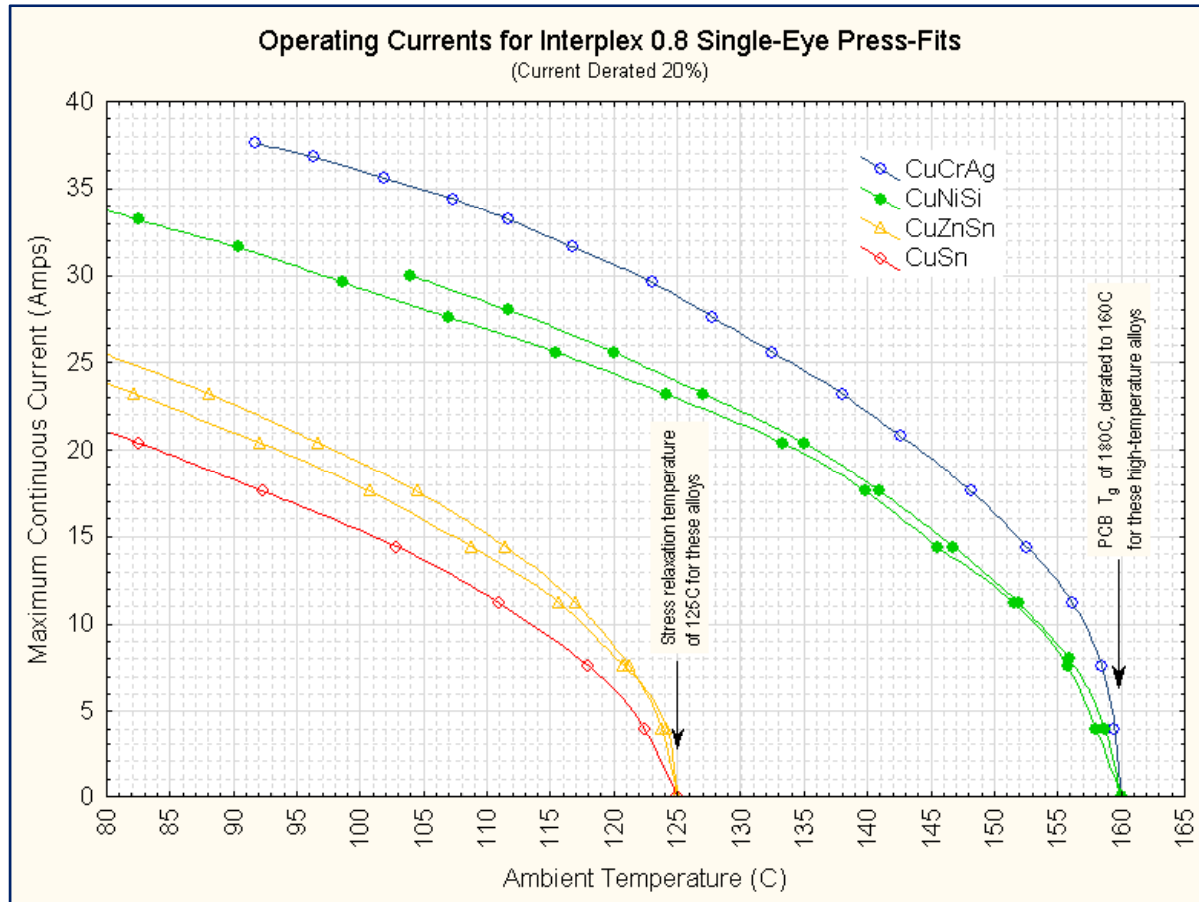
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# Press-Fit Current Carrying Capacity Data



## 0.80mm Press-Fit Section



### Alloys Tested

- CuCrAg-80% Conductivity
- CuNiSi-40% Conductivity
- CuZnSn-30% Conductivity
- CuSn-15% Conductivity

### PCB Specifications

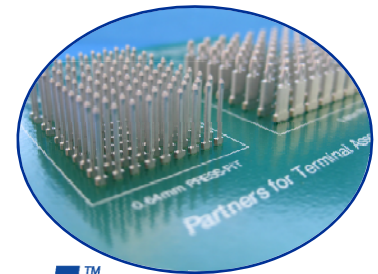
- PCB Hole- 1oz Copper
- PCB Trace- 3oz Copper
- PCB Trace Width- 3.5mm

### Test Wire Gauge

2.0mm<sup>2</sup> (14 AWG)

Press-Fit Products

### Applications



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