

## FEATURES AND SPECIFICATIONS

[查询"45280-1801"供应商](#)



## 3.00mm (.118") Pitch Micro-Fit 3.0, CPI™ Micro-Fit 3.0, BMI™ CPI Vertical Headers

### *Micro-Fit 3.0 Family Offers Press-Fit Headers For High-Density Power and Signal Applications*

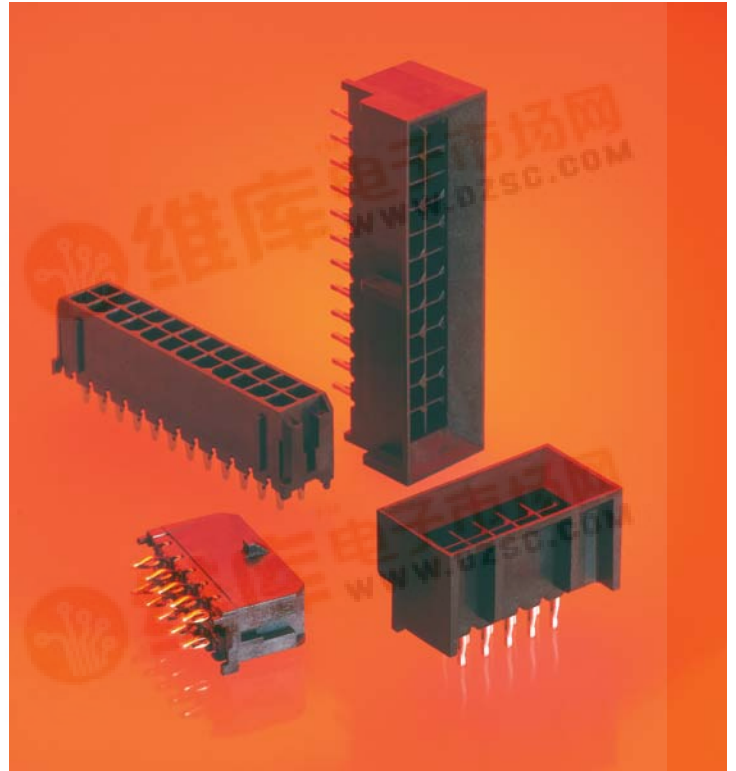
The Micro-Fit 3.0, CPI (Compliant Pin Interface) and Micro-Fit 3.0, BMI CPI (Blind-Mate version with Compliant Pin Interface) are vertical header product extensions featuring press-fit PC tails. These headers are designed for high-density applications where press-fit terminations are required. The CPI products are appropriate for both power and signal uses as they can carry up to 5.0A of current per circuit.

The standard Micro-Fit 3.0, CPI headers incorporate a compact housing that mates with standard wire-mount housings and crimp terminals for wire-to-board applications.

The Micro-Fit 3.0, BMI CPI headers feature a funnel entry to guide the mating receptacle into place. Micro-Fit 3.0, BMI headers mate exclusively with BMI components, which include panel-mount receptacles with crimp terminals and PCB receptacles for wire-to-board and board-to-board applications.

### *Features and Benefits*

- CPI style (press-fit) pins require no soldering to the PCB
- Designed for multiple board thicknesses of 2.36mm (.093") or greater
- Dual-row vertical headers available in 2-24 circuits for the standard version and 4-24 circuits for the BMI (blind-mate) version
- Rated up to 5.0A of current for both power and signal applications in wire-to-board and board-to-board configurations
- Fully polarized with positive locks for proper mating
- Fully isolated contacts for electrical and mechanical integrity



### **Reference Information**

Packaging: Tray  
UL File No.: E29179  
CSA File No.: LR19980  
TUV No.: R95107  
Designed In: Millimeters

### **Electrical**

Voltage: 250V  
Current: 5.0A  
Contact Resistance: 10 milliohms max.  
Dielectric Withstanding Voltage: 1500 VAC  
Insulation Resistance: 1000 Megohms min.

### **Mechanical**

Insertion Force to PCB: 35.6N (8.0lb) per circuit max.  
Retention Force to PCB: 106.8N (24.0lb) per circuit min.  
Mating Force: 8.0N (1.8lb) per circuit max.  
Unmating Force: 3.6N (0.8lb) per circuit min.  
Durability: 30 cycles

### **Physical**

Housing: High-temperature polymer, UL 94V-0  
Contact: Brass alloy  
Plating:  
Contact area — 5.1µm (200µ") min. Tin, 0.38µm (15µ") min. select Gold or 0.76µm (30µ") min. select Gold  
PC tails — Tin/Lead  
Underplating: Nickel  
PCB Thickness: 2.36mm (.093") min.  
Operating Temperature: -40 to +105° C

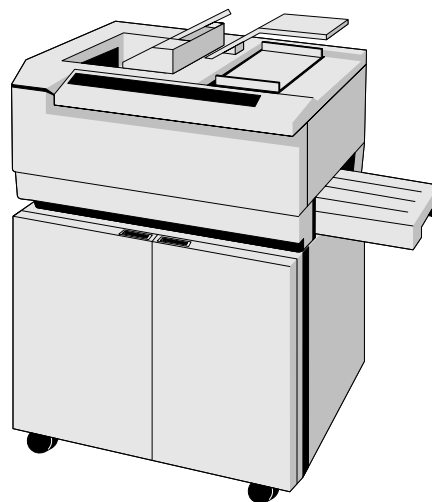
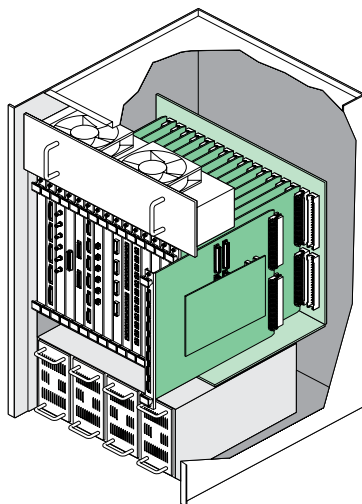


# 3.00mm (.118") Pitch Micro-Fit 3.0, CPI™ Micro-Fit 3.0, BMI™ CPI Vertical Headers

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## Applications

- Servers
- Workstations
- Personal Computers
- Mainframe Computers
- Notebook PCs
- Fan Tray Assemblies
- Power Supplies
- Office Equipment
- Vending and Gaming Machines



## ORDERING INFORMATION

| Header Style           | Circuit Size | Contact Plating        |                         |                         |
|------------------------|--------------|------------------------|-------------------------|-------------------------|
|                        |              | 5.1µm (200µ") min. Tin | 0.38µm (15µ") min. Gold | 0.76µm (30µ") min. Gold |
| Micro-Fit 3.0, CPI     | 2            | 44914-0201             | 44914-0202              | 44914-0203              |
|                        | 4            | 44914-0401             | 44914-0402              | 44914-0403              |
|                        | 6            | 44914-0601             | 44914-0602              | 44914-0603              |
|                        | 8            | 44914-0801             | 44914-0802              | 44914-0803              |
|                        | 10           | 44914-1001             | 44914-1002              | 44914-1003              |
|                        | 12           | 44914-1201             | 44914-1202              | 44914-1203              |
|                        | 14           | 44914-1401             | 44914-1402              | 44914-1403              |
|                        | 16           | 44914-1601             | 44914-1602              | 44914-1603              |
|                        | 18           | 44914-1801             | 44914-1802              | 44914-1803              |
|                        | 20           | 44914-2001             | 44914-2002              | 44914-2003              |
|                        | 22           | 44914-2201             | 44914-2202              | 44914-2203              |
|                        | 24           | 44914-2401             | 44914-2402              | 44914-2403              |
| Micro-Fit 3.0, BMI CPI | 4            | 45280-0401             | 45280-0402              | 45280-0403              |
|                        | 6            | 45280-0601             | 45280-0602              | 45280-0603              |
|                        | 8            | 45280-0801             | 45280-0802              | 45280-0803              |
|                        | 10           | 45280-1001             | 45280-1002              | 45280-1003              |
|                        | 12           | 45280-1201             | 45280-1202              | 45280-1203              |
|                        | 14           | 45280-1401             | 45280-1402              | 45280-1403              |
|                        | 16           | 45280-1601             | 45280-1602              | 45280-1603              |
|                        | 18           | 45280-1801             | 45280-1802              | 45280-1803              |
|                        | 20           | 45280-2001             | 45280-2002              | 45280-2003              |
|                        | 22           | 45280-2201             | 45280-2202              | 45280-2203              |
|                        | 24           | 45280-2401             | 45280-2402              | 45280-2403              |

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