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**Part Number:** [45280-1201](#)  
**Status:** **Active**  
**Overview:** Micro-Fit 3.0™ Connectors  
**Description:** 3.00mm Pitch Micro-Fit 3.0 BMI CPI™ Compliant Pin Header, Blind Mate Interface, Dual Row, Vertical, 12 Circuits, PA Polyamide Nylon 4/6, UL 94V-0, Tin (Sn) Over Nickel (Ni) Plating

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                 | <a href="#">Test Summary TS-45280-001 (PDF)</a>      |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">RoHS Certificate of Compliance (PDF)</a> |
| <a href="#">Product Specification PS-44300-001 (PDF)</a> | <a href="#">Product Literature (PDF)</a>             |

**Agency Certification**

|     |           |
|-----|-----------|
| CSA | LR19980   |
| TUV | R72081037 |
| UL  | E29179    |

**General**

|                               |   |
|-------------------------------|---|
| Product Family                | PCB Headers                               |
| Series                        | <a href="#">45280</a>                     |
| Application                   | Board-to-Board, Power, Wire-to-Board      |
| Application Tooling Part Link | <a href="#">62200-2700</a>                |
| Application Tooling Part Link | <a href="#">62200-8400</a>                |
| Application Tooling Part Link | <a href="#">62203-0450</a>                |
| Overview                      | <a href="#">Micro-Fit 3.0™ Connectors</a> |
| Product Literature Order No   | 987650-5984                               |
| Product Name                  | Micro-Fit 3.0 BMI CPI™                    |
| UPC                           | 756054634578                              |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 12                             |
| Circuits (maximum)             | 12                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 30                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Compliant            | No                             |
| Guide to Mating Part           | Yes                            |
| Lock to Mating Part            | None                           |
| Material - Metal               | High Performance Alloy (HPA)   |
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 2.368/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| PC Tail Length                 | 4.80mm                         |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 3.00mm                         |
| Plating min - Mating           | 5.080µm                        |
| Plating min - Termination      | 5.080µm                        |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |
| Shrouded                       | Fully                          |

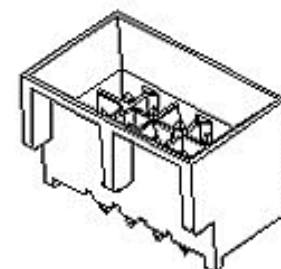


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Series

**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Low-Halogen Status Not Low-Halogen**

**China RoHS**



**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[45280Series](#)

**Mates With**

[44133-1200](#) Panel Mount Receptacle,  
[44764-1201](#) Right Angle Receptacle Header,  
[44769-1201](#) Vertical Receptacle Header

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

| Description   | Product #                  |
|---|----------------------------|
| Insertion Tool for Micro-Fit 3.0 BMI/CPI™ Header Assemblies | <a href="#">0622002700</a> |
| Compliant Pin Insertion Flat Rock Tool                      | <a href="#">0622008400</a> |
| Removal Tool  | <a href="#">0622030450</a> |

|                                |                              |
|--------------------------------|------------------------------|
| Stackable                      | No                           |
| Surface Mount Compatible (SMC) | No                           |
| Temperature Range - Operating  | -40°C to +105°C              |
| Termination Interface: Style   | Through Hole - Compliant Pin |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 5A   |
| Voltage - Maximum             | 250V |

**Material Info****Reference - Drawing Numbers**

|                       |                             |
|-----------------------|-----------------------------|
| Product Specification | PS-44300-001, RPS-44300-001 |
| Sales Drawing         | SD-45280-002                |
| Test Summary          | TS-45280-001                |

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