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Part Number: [45280-1652](#)
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, 16 Circuits, PA Polyamide Nylon 4/6, UL 94V-0, 0.38µm Gold (Au) Selective Contact Plating, Tin (Sn) Tail Plating

Documents:

| | |
|--|--|
| 3D Model | Test Summary TS-45280-001 (PDF) |
| Drawing (PDF) | RoHS Certificate of Compliance (PDF) |
| Product Specification PS-44300-001 (PDF) | Product Literature (PDF) |

Agency Certification

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

General

| | |
|-------------------------------|---|
| Product Family | PCB Headers |
| Series | 45280 |
| Application | Board-to-Board, Power, Wire-to-Board |
| Application Tooling Part Link | 62200-2700 |
| Application Tooling Part Link | 62200-8400 |
| Application Tooling Part Link | 62203-0450 |
| Overview | Micro-Fit 3.0™ Connectors |
| Product Literature Order No | 987650-5984 |
| Product Name | Micro-Fit 3.0 BMI CPI™ |
| UPC | 822350790789 |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 16 |
| Circuits (maximum) | 16 |
| 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 | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 2.888/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 | 0.381µm |
| Plating min - Termination | 2.540µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Shrouded | Fully |

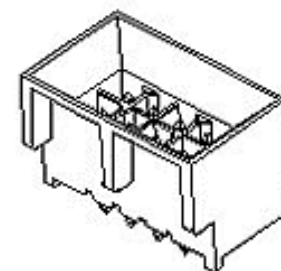


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Series

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Not Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email 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

[44133-1600 Panel Mount Receptacle](#),
[44769-1602 Vertical Receptacle Header](#),
[44764-1602 Right Angle 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 | 0622002700 |
| Compliant Pin Insertion Flat Rock Tool | 0622008400 |
| Removal Tool | 0622030450 |

| | |
|--------------------------------|------------------------------|
| 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 |

This document was generated on 07/10/2013

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