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**Part Number:** [0452801201](#)  
**Status:** **Active**  
**Overview:** [Micro-Fit 3.0 Connector System Product Family](#)  
**Description:** Micro-Fit 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="#">Product Specification TS-45280-001-001 (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**

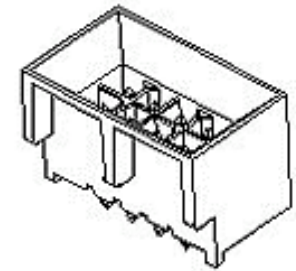
CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">45280</a>
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	<a href="#">Micro-Fit 3.0 Connector System Product Family</a>
Product Literature Order No	987650-5984
Product Name	Micro-Fit 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
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**  
**REACH SVHC**

Not Contained Per  
-ED/01/2017 (12  
January 2017)

**Halogen-Free**

**Status**

**Not Low-Halogen**

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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

**Search Parts in this Series**

[45280](#) Series

**Mates With**

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

Termination Interface: Style Through Hole - Compliant Pin

**Electrical**

Current - Maximum per Contact 5.0A

Voltage - Maximum 600V

**Solder Process Data**

Lead-free Process Capability N/A

**Material Info**

**Reference - Drawing Numbers**

Product Specification PS-44300-001, TS-45280-001-001

Sales Drawing SD-45280-002

This document was generated on 10/19/2017

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