

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0452801001](#)  
**Status:** **Active**  
**Overview:** [Micro-Fit 3.0™ Connectors](#)  
**Description:** Micro-Fit BMI CPI™ Compliant Pin Header, Blind Mate Interface, Dual Row, Vertical, 10 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**

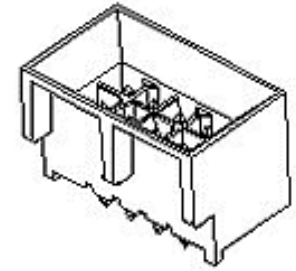
CSA	LR19980
UL	E29179

**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 BMI CPI™
UPC	756054634561

**Physical**

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
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	2.090/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/21/2016 (20 June  
2016)

**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  
ELV

Green Image  
Not Relevant

**Search Parts in this Series**

[45280](#) Series

**Mates With**

[44133-1000](#) Micro-Fit BMI™ Panel Mount Receptacle Housing, [44764-1001](#) Micro-Fit BMI™ Right Angle Receptacle Header, [44769-1001](#) Micro-Fit BMI™ 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 #
Removal Tool	<a href="#">0622030450</a>

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, RPS-44300-001

Sales Drawing

SD-45280-002

Test Summary

TS-45280-001

Compliant Pin [0622008400](#)

Insertion Flat Rock

Tool

Insertion Tool for [0622002700](#)

Micro-Fit BMI CPI™

Header Assemblies

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