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Part Number: **0452802201**
Status: **Active**
Overview: Micro-Fit 3.0™ Connectors
Description: Micro-Fit BMI CPI™ Compliant Pin Header, Blind Mate Interface, Dual Row, Vertical, 22 Circuits, PA Polyamide Nylon 4/6, UL 94V-0, Tin (Sn) Over Nickel (Ni) 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

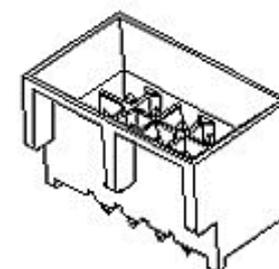
CSA	LR19980
TUV	R72081037
UL	E29179

General

Product Family	PCB Headers
Series	<u>45280</u>
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	<u>Micro-Fit 3.0™ Connectors</u>
Product Literature Order No	987650-5984
Product Name	Micro-Fit BMI CPI™
UPC	756054634820

Physical

Breakaway	No
Circuits (Loaded)	22
Circuits (maximum)	22
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	3.718/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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contains SVHC(2014 December 17): No

Halogen-Free

Status

Not Low-Halogen

Need more information on product environmental compliance?

Email 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

44133-2200 Micro-Fit BMI™ Panel Mount Receptacle Housing, 44764-2201 Micro-Fit BMI™ Right Angle Receptacle Header, 44769-2201 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 #

Insertion Tool for Micro-Fit BMI CPI™ Header Assemblies	<u>0622002700</u>
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Temperature Range - Operating -40°C to +105°C
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	<u>0622008400</u>
Insertion Flat Rock Tool	
Removal Tool	<u>0622030450</u>

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