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Part Number: [0452801052](#)
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, 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

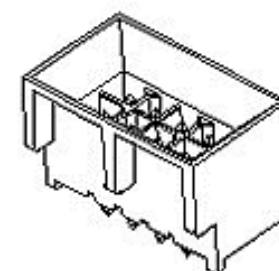
CSA	LR19980
TUV	R72081037
UL	E29179

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 BMI CPI™
UPC	822350790772

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	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	2.080/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
Stackable	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

[44133-1000](#) Micro-Fit BMI™ Panel Mount Receptacle Housing, [44769-1002](#) Micro-Fit BMI™ Vertical Receptacle Header, [44764-1002](#) Micro-Fit BMI™ 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 BMI CPI™ Header Assemblies	0622002700

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

Compliant Pin	<u>0622008400</u>
Insertion Flat Rock Tool	
Removal Tool	<u>0622030450</u>

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

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