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Part Number: [0452802401](#)
Status: **Active**
Overview: [Micro-Fit Connector System](#)
Description: Micro-Fit BMI CPI Compliant Pin Header, Blind Mate Interface, Dual Row, Vertical, 24 Circuits, PA Polyamide Nylon 4/6, UL 94V-0, Tin (Sn) Over Nickel (Ni) Plating

Documents:

Drawing (PDF)	Test Summary TS-45280-001-001 (PDF)
3D Model	Datasheet (PDF)
3D Model (PDF)	Symbol Footprint Data SYM-45280-2401-001 (PDF)
Product Specification PS-44300-001-001 (PDF)	RoHS Certificate of Compliance (PDF)
Packaging Specification PK-45280-002-001 (PDF)	

Agency Certification

CSA	LR19980
UL	E29179

Application tooling part link

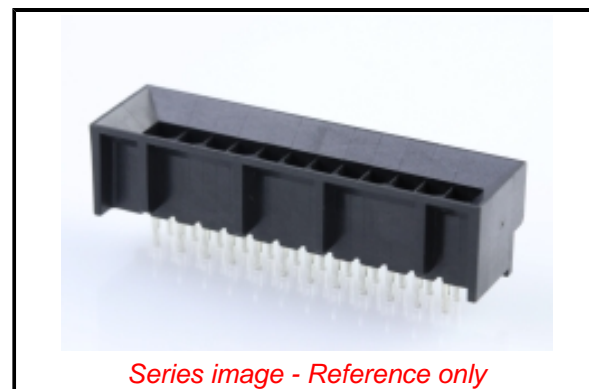
Application Tooling Part Link	62200-2700
Application Tooling Part Link	62200-8400
Application Tooling Part Link	62203-0450

General

Product Family	PCB Headers
Series	45280
Application	Board-to-Board, Power, Wire-to-Board
Overview	Micro-Fit Connector System
Product Name	Micro-Fit BMI CPI
UPC	756054634837

Physical

Breakaway	No
Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Black
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	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	3.996/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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[45280](#) Series

Mates With

[441332400](#) Micro-Fit BMI Panel Mount Receptacle Housing, [447692401](#) Micro-Fit BMI Vertical Receptacle Header, [447642401](#) 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	622002700
Compliant Pin Insertion Flat Rock Tool	622008400
Removal Tool	622030450

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

Electrical

Current - Maximum per Contact	8.5A
Voltage - Maximum	600V

Solder Process Data

Lead-free Process Capability	N/A
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Material Info**Reference - Drawing Numbers**

Packaging Specification	PK-45280-002-001
Product Specification	PS-44300-001-001
Sales Drawing	SD-45280-002-001
Symbol/Footprint Data	SYM-45280-2401-001
Test Summary	TS-45280-001-001

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