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Part Number: [0452801201](#)
Status: **Active**
Overview: [Micro-Fit Connector System](#)
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:

3D Model	Test Summary TS-45280-001-001 (PDF)
3D Model (PDF)	Datasheet (PDF)
Drawing (PDF)	Symbol Footprint Data SYM-45280-1201-001 (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

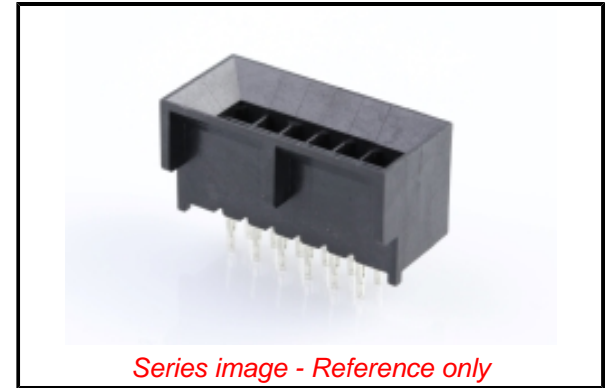
Application Tooling Part Link	62200-2700
Application Tooling Part Link	62200-8400
Application Tooling Part Link	62203-0450

General

Product Family	PCB Headers
Series	45280
Application	Board-to-Board, Power, Wire-to-Board
Component Type	PCB Header
Overview	Micro-Fit Connector System
Product Name	Micro-Fit BMI CPI
Taxonomy	PCB Headers and Receptacles
UPC	756054634578

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
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	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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

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

[441331200](#) Micro-Fit BMI Panel Mount Receptacle Housing, [447641201](#) Micro-Fit BMI Right Angle Receptacle Header, [447691201](#) 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	622002700
Compliant Pin Insertion Flat Rock Tool	622008400
Removal Tool	622030450

Polarized to PCB	Yes
Shrouded	Fully
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-45280-1201-001
Test Summary	TS-45280-001-001

This document was generated on 01/07/2023

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