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Part Number:

0452800401

Status:

Active

Overview:

Micro-Fit Connector System

Description:

Micro-Fit BMI CPI Compliant Pin Header, Blind Mate Interface, Dual Row, Vertical, 4 Circuits, PA Polyamide Nylon 4/6, UL 94V-0, Tin (Sn) Over Nickel (Ni) Plating

- Documents:
- Drawing (PDF)

3D Model

3D Model (PDF)

Product Specification PS-44300-001-001 (PDF)

Packaging Specification PK-45280-002-001 (PDF)

Test Summary TS-45280-001-001 (PDF)

Datasheet (PDF)

Symbol Footprint Data SYM-45280-0401-001 (PDF)

RoHS Certificate of Compliance (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

756054634530

Physical

Breakaway

No

Circuits (Loaded)

4

Circuits (maximum)

4

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

1.276/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

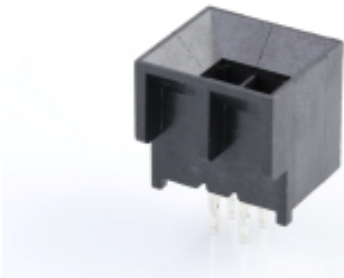
5.080µm

Plating min - Termination

5.080µm

Polarized to Mating Part

Yes



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

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

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

45280 Series

Mates With

[441330400](#) Micro-Fit BMI Panel Mount Receptacle Housing, [447640401](#) Micro-Fit BMI Right Angle Receptacle Header, [447690401](#) 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-freeProcess Capability	N/A
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-45280-0401-001
Test Summary	TS-45280-001-001

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