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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

3D Model (PDF)

Drawing (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-45280-1201-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

UL

LR19980

E29179

Application tooling part link

Application Tooling Part Link

Application Tooling Part Link

Application Tooling Part Link

62200-2700

62200-8400

62203-0450

General

Product Family

Series

Application

Overview

Product Name

Taxonomy

UPC

PCB Headers

45280

Board-to-Board, Power, Wire-to-Board

Micro-Fit Connector System

Micro-Fit BMI CPI

PCB Headers and Receptacles

756054634578

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

Flammability

Glow-Wire Capable

Guide to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Net Weight

Number of Rows

Orientation

PC Tail Length

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface

Plating min - Mating

Plating min - Termination

Polarized to Mating Part

Polarized to PCB

No

12

12

Black

30

94V-0

No

Yes

None

High Performance Alloy (HPA)

Tin

Tin

High Temperature Thermoplastic

2.368/g

2

Vertical

4.80mm

Yes

Yes

Tray

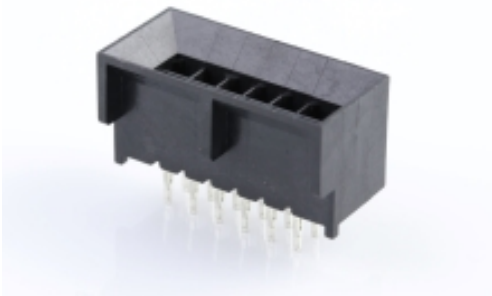
3.00mm

5.080µm

5.080µm

Yes

Yes



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

China RoHS

Compliant

REACH SVHC

Not Contained Per -

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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

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 |

|                                    |                              |
|------------------------------------|------------------------------|
| Shrouded                           | Fully                        |
| Stackable                          | No                           |
| Surface Mount Compatible (SMC)     | No                           |
| Temperature Range - Operating      | -40° to +105°C               |
| Termination Interface: Style       | Through Hole - Compliant Pin |
| <b>Electrical</b>                  |                              |
| Current - Maximum per Contact      | 8.5A                         |
| Voltage - Maximum                  | 600V                         |
| <b>Solder Process Data</b>         |                              |
| Lead-freeProcess Capability        | N/A                          |
| <b>Material Info</b>               |                              |
| <b>Reference - Drawing Numbers</b> |                              |
| 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             |

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