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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

Component Type

Overview

Product Name

Taxonomy

UPC

PCB Headers

45280

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

PCB Header

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

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

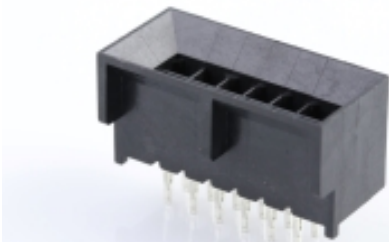
Tray

3.00mm

5.080µm

5.080µm

Yes



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

China 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

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

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-45280-1201-001
Test Summary	TS-45280-001-001

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