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Part Number:

0440680045

Status:

Active

Overview:

Mini-Fit BMI Connectors

Description:

Mini-Fit BMI, 260C Wave Solderable, 4.20mm Pitch, Dual Row, Vertical, for 1.60mm PCB, 4 Circuits, Tin (Sn) Plating, with Solderable Retention Clip

Documents:

- 3D Model

Product Specification TS-43879-001-001 (PDF)
- Drawing (PDF)

Packaging Specification PK-43879-001-000 (PDF)
- Product Specification PS-43810-001-001 (PDF)

RoHS Certificate of Compliance (PDF)
- Product Specification PS-45750-001-001 (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

PCB Headers

Series

44068

Application

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

Comments

Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 Mini-Fit Plus HCS Crimp Terminal Crimped to 16 AWG wire., See Molex product specification PS-45750-001 for additional current de-rating information.

Overview

Mini-Fit BMI Connectors

Product Name

Mini-Fit BMI

UPC

800755952452

Physical

Breakaway

No

Circuits (Loaded)

4

Circuits (maximum)

4

Color - Resin

Black

Durability (mating cycles max)

30

Flammability

94V-0

Glow-Wire Capable

No

Material - Metal

Brass

Material - Plating Mating

Tin

Material - Plating Termination

Tin

Material - Resin

High Temperature Thermoplastic

Net Weight

3.317/g

Number of Rows

2

Orientation

Vertical

PC Tail Length

4.42mm

PCB Locator

Yes

PCB Retention

Yes

PCB Thickness - Recommended

2.40mm

Packaging Type

Tray

Pitch - Mating Interface

4.20mm

Pitch - Termination Interface

4.20mm

Plating min - Mating

2.540µm

Plating min - Termination

2.540µm

Polarized to PCB

Yes

Shrouded

Partial

Stackable

No

Surface Mount Compatible (SMC)

Yes



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/61/2018 (27 June 2018)

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

44068 Series

Mates With

42385 , 42474 , 44475 , 44516 , 5557 Dual Row, 245135 Mini-Fit Jr. Cable Assembly

Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	13.0A
Voltage - Maximum	600V
Solder Process Data	
Duration at Max. Process Temperature (seconds)	005
Lead-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	240
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-43879-001-000
Product Specification	PS-43810-001-001, PS-45750-001-001, TS-43879-001-001
Sales Drawing	SD-44068-031-000

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