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Part Number:

0438100066

Status:

Active

Overview:

Mini-Fit Family Power Connectors

Description:

Mini-Fit BMI Header, Dual Row, Right-Angle, for 2.39mm PCB, 24 Circuits, Gold (Au) Plating, 260C Wave Solderable, with Retention Clip

Documents:

- 3D Model

Product Specification PS-45750-001-001 (PDF)
- Drawing (PDF)

Packaging Specification PK-43810-001-000 (PDF)
- 3D Model (PDF)

RoHS Certificate of Compliance (PDF)
- Product Specification PS-43810-001-001 (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

PCB Headers

Series

43810

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 Family Power Connectors

Product Name

Mini-Fit BMI

UPC

800753299382

Physical

Breakaway

No

Circuits (Loaded)

24

Circuits (maximum)

24

Color - Resin

Black

Durability (mating cycles max)

30

Flammability

94V-0

Glow-Wire Capable

No

Material - Metal

Brass

Material - Plating Mating

Gold

Material - Plating Termination

Tin

Material - Resin

High Temperature Thermoplastic

Net Weight

13.004/g

Number of Rows

2

Orientation

Right Angle

PC Tail Length

3.63mm

PCB Locator

No

PCB Retention

Yes

PCB Thickness - Recommended

2.39mm (.094")

Packaging Type

Tray

Pitch - Mating Interface

4.20mm

Pitch - Termination Interface

4.20mm

Plating min - Mating

0.762µm

Plating min - Termination

2.540µm

Polarized to Mating Part

Yes

Polarized to PCB

Yes

Shrouded

Fully

Stackable

No



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)4569-DC (8
July 2021)

Halogen-Free

Status

Not Low-Halogen

For more information, please visit [Contact US](#)

China RoHS

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

43810 Series

Mates With

42385 , 42474 , 44475 , 44516 , 5557 Dual
Row

Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	13.0A
Voltage - Maximum	600V AC (RMS)/DC
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	260
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-43810-001-000
Product Specification	PS-43810-001-001, PS-45750-001-001
Sales Drawing	SD-43810-031-000

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