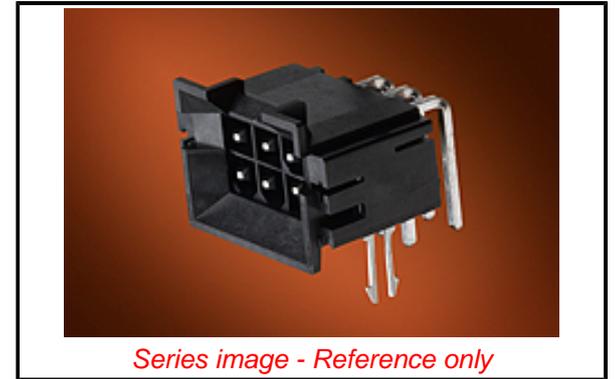


PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0438101002](#)
Status: **Active**
Overview: Mini-Fit BMI Connectors
Description: Mini-Fit BMI Header, Dual Row, Right-Angle, 24 Circuits, 1.60mm PCB Thickness, 260C Wave Solderable with Snap-In Metal Pins, PA Polyamide Nylon 4/6, UL 94V-0, with Gold (Au) Over Nickel (Ni) Plating

Documents:

3D Model	Product Specification PS-45750-001-001 (PDF)
Drawing (PDF)	Packaging Specification PK-43810-001-000 (PDF)
Product Specification PS-43810-001-001 (PDF)	RoHS Certificate of Compliance (PDF)



Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	43810
3D Viewer	Yes
Application	Board-to-Board, Power, Wire-to-Board
CURRENT-MAX-NUMERIC	13.0
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.
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
PITCH-MATING-NUMERIC	4.20
Product Name	Mini-Fit BMI
UPC	756054240021

Physical

Breakaway	No
Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Black
Durability (mating cycles max)	10
First Mate / Last Break	Yes
Flammability	94V-0
Glow-Wire Capable	No
Guide to Mating Part	Yes
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	13.146/g
Number of Rows	2
Orientation	Right Angle
PC Tail Length	3.10mm

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/71/2019 (16 July 2019)

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

[43810](#) Series

Mates With

[15060041](#) Mini-Fit BMI Panel Mount Receptacle, [39012045](#) Mini-Fit Jr. Receptacle, [15247041](#) Mini-Fit BMI Receptacle Header

PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Tray
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
Plating min - Mating	0.762µm
Plating min - Termination	0.762µm
Polarized to Mating Part	Yes
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

Electrical

Current - Maximum per Contact	13.0A
Voltage - Maximum	600V AC (RMS)/DC

Solder Process Data

Duration at Max. Process Temperature (seconds)	005
Lead-free Process 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-43810-080, SD-43810-080-000

This document was generated on 10/16/2019

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Molex:](#)

[43810-1002](#)