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Part Number: [0440681016](#)
Status: **Active**
Overview: [Mini-Fit BMI Connectors](#)
Description: Mini-Fit BMI, 260C Wave Solderable, 4.20mm Pitch, Dual Row, Vertical, 4 Circuits, 6.35mm PCB Thickness, with Snap-In Metal Pins, PA Polyamide Nylon 4/6, UL 94V-0, with Gold (Au) Over Matte Tin (Sn) Plating, with Solderable Retention Pegs

Documents:
[3D Model](#) [Product Specification PS-45750-001-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [Packaging Specification PK-43879-001-000 \(PDF\)](#)
[3D Model \(PDF\)](#) [Test Summary TS-43879-001-001 \(PDF\)](#)
[Product Specification PS-43810-001-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification
CSA LR19980
UL E29179

General
Product Family PCB Headers
Series [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 887191077802

Physical
Breakaway No
Circuits (Loaded) 10
Circuits (maximum) 10
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 Tin
Material - Plating Termination Matte Tin
Material - Resin High Temperature Thermoplastic
Net Weight 2.781/g
Number of Rows 2
Orientation Vertical
PC Tail Length 4.42mm
PCB Locator Yes
PCB Retention Yes
Packaging Type Tray
Pitch - Mating Interface 4.20mm
Pitch - Termination Interface 4.20mm
Polarized to Mating Part Yes
Polarized to PCB Yes



Series image - Reference only

EU ELV
Not Relevant

EU RoHS **China RoHS**
Compliant
REACH SVHC
Not Contained Per -
D(2020)4578-DC (25
June 2020)
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
[44068](#) Series

Mates With
[42385](#) , [42474](#) , [44475](#) , [44516](#) , [5557](#) Dual Row, [245135](#) Mini-Fit Jr. Cable Assembly

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-freeProcess Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-43879-001-000
Product Specification	PS-43810-001-001, PS-45750-001-001
Sales Drawing	SD-44068-051-000
Test Summary	TS-43879-001-001

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