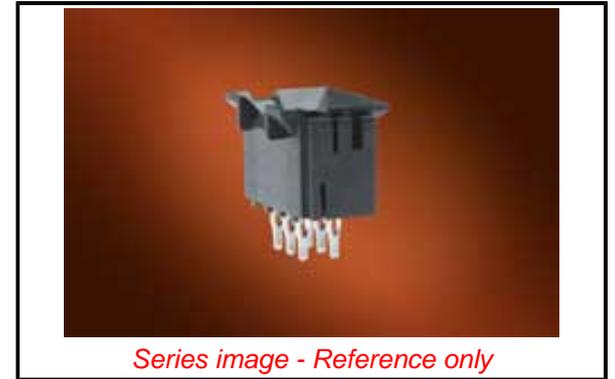


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**Part Number:** [0440680277](#)  
**Status:** **Active**  
**Overview:** Mini-Fit BMI Connectors  
**Description:** Mini-Fit BMI, 260C Wave Solderable, 4.20mm Pitch, Dual Row, Vertical, 4 Circuits, 6.35mm PCB Thickness, with Snap-In Metal Pins, PA Polyamide Nylon 4/6, UL 94V-0, with Gold (Au) Over Nickel (Ni) Plating

**Documents:**

<a href="#">3D Model</a>	<a href="#">Product Specification PS-45750-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-43879-002-000 (PDF)</a>
<a href="#">Product Specification PS-43810-001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>



**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">44068</a>
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 <a href="#">45750</a> 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 <a href="#">45750</a> 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	<a href="#">Mini-Fit BMI Connectors</a>
PITCH-MATING-NUMERIC	4.20
Product Name	Mini-Fit BMI
UPC	756054499603

**Physical**

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
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	Gold
Material - Resin	High Temperature Thermoplastic
Net Weight	3.273/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	8.50mm

**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**

[44068](#) Series

**Mates With**

[15060041](#) Mini-Fit BMI Panel Mount Receptacle, [39012045](#) Mini-Fit Jr. Receptacle, [15247043](#) Mini-Fit BMI Receptacle Header

PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	6.35mm
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)	Yes
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-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification	PK-43879-002-000
Product Specification	PS-43810-001-001, PS-45750-001-001
Sales Drawing	SD-44068-061-000

This document was generated on 09/25/2019

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