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Part Number: [0436440012](#)
Status: **Active**
Overview: Mini-Fit BMI Connectors
Description: Mini-Fit BMI Header, 4.20mm Pitch, Dual Row, Right-Angle, 24 Circuits, PA Polyamide Nylon 6/6 94V-0, with Tin (Sn) Plating

Documents:

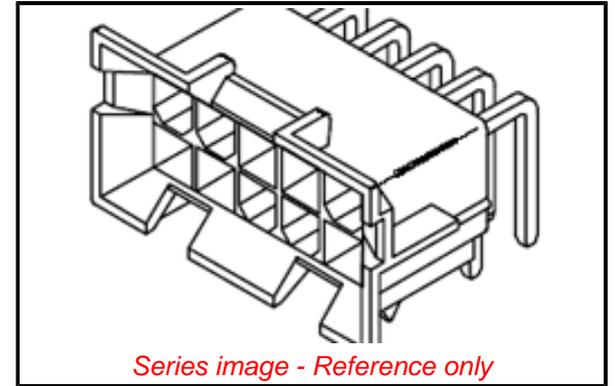
[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

General

Product Family	PCB Headers
Series	43644
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-5556-002 for additional current de-rating information.
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Overview	Mini-Fit BMI Connectors
PITCH-MATING-NUMERIC	4.20
Product Name	Mini-Fit BMI
UPC	822350363280

Physical

Breakaway	No
Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Natural (White)
Durability (mating cycles max)	30
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	None
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	9.286/g
Number of Rows	2
Orientation	Right Angle
PC Tail Length	3.30mm
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	2.40mm
Packaging Type	Tray
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
Plating min - Mating	2.540µm



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

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

Halogen-Free

Status

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

[43644](#) Series

Mates With

[44516](#) Slide-and-Lock Receptacle, [42474](#) Receptacle Housing, [44475](#) Mini-Fit Plus Receptacle Header, [5557](#) Dual Row Receptacle Housing, [42385](#) Receptacle Header

Plating min - Termination	2.540μm
Polarized to PCB	Yes
Shrouded	Partial
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

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	240

Material Info

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