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Part Number: [0015246101](#)
Status: **Active**
Overview: Mini-Fit BMI Connectors
Description: Mini-Fit BMI Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-in Plastic Peg PCB Lock, 10 Circuits, PA Polyamide Nylon 6/6, UL 94V-2, Tin (Sn) Plating, without Drain Holes

Documents:

[3D Model](#) [Product Specification TS-5556-002-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-5556-002-001 \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [42440](#)
 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 derating information.
 Overview [Mini-Fit BMI Connectors](#)
 Product Name Mini-Fit BMI
 UPC 800753535015

Physical

Breakaway No
 Circuits (Loaded) 10
 Circuits (maximum) 10
 Color - Resin Natural
 Durability (mating cycles max) 30
 Flammability 94V-2
 Glow-Wire Capable No
 Guide to Mating Part Yes
 Lock to Mating Part Yes
 Material - Metal Brass
 Material - Plating Mating Tin
 Material - Plating Termination Tin
 Material - Resin Nylon
 Net Weight 2.571/g
 Number of Rows 2
 Orientation Vertical
 PC Tail Length 3.56mm
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 1.80mm
 Packaging Type Tray
 Pitch - Mating Interface 4.20mm
 Plating min - Mating 2.540µm
 Plating min - Termination 2.540µm
 Polarized to Mating Part Yes
 Polarized to PCB Yes
 Shrouded Partial



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/61/2018 (27 June 2018)

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

[42440](#) Series

Mates With

[15-06-0100](#) Mini-Fit BMI Panel Mount Receptacle, [39-01-2100](#) Mini-Fit Jr. Receptacle, [15-24-7100](#) Mini-Fit BMI Vertical Receptacle Header, [245135](#) Mini-Fit Jr. Cable Assembly

| | |
|--------------------------------|----------------|
| 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

| | |
|--------------------|--------------|
| Engineering Number | A-42440-1011 |
|--------------------|--------------|

Reference - Drawing Numbers

| | |
|-----------------------|----------------------------------|
| Product Specification | PS-5556-002-001, TS-5556-002-001 |
| Sales Drawing | SDA-42440-**** |

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