

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0015286182](#)  
**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, 18 Circuits, PA Polyamide Nylon 6/6, UL 94V-0, Select Gold (Au) 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 800753617513

**Physical**

Breakaway No  
 Circuits (Loaded) 18  
 Circuits (maximum) 18  
 Color - Resin Natural (White)  
 Durability (mating cycles max) 30  
 Flammability 94V-0  
 Glow-Wire Capable No  
 Guide to Mating Part Yes  
 Lock to Mating Part Yes  
 Material - Metal Brass  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin Nylon  
 Net Weight 4.113/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 0.762µm  
 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**

[15-06-0181](#) Mini-Fit BMI Panel Mount Receptacle, [39-01-2185](#) Mini-Fit Jr. Receptacle, [15-24-7183](#) Mini-Fit BMI Vertical Receptacle Header, [44516-0009](#) Mini-Fit BMI Slide-and-Lock Panel Mount Receptacle

|                                |                |
|--------------------------------|----------------|
| 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-42440-1822 |
|--------------------|--------------|

**Reference - Drawing Numbers**

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

This document was generated on 10/17/2018

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**