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**Part Number:** [0015246061](#)  
**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, 6 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 de-rating information.  
 Overview [Mini-Fit BMI Connectors](#)  
 Product Name Mini-Fit BMI  
 UPC 884982053205

**Physical**

Breakaway No  
 Circuits (Loaded) 6  
 Circuits (maximum) 6  
 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 1.805/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  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Shrouded Partial  
 Stackable No  
 Surface Mount Compatible (SMC) No



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
 -ED/01/2018 (15  
 January 2018)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS Green Image  
 ELV Not Relevant  
 RoHS Phthalates Not Contained

**Search Parts in this Series**

[42440](#) Series

**Mates With**

[15060040](#) Mini-Fit BMI Panel Mount Receptacle, [15247040](#) Mini-Fit BMI Vertical Receptacle Header, [39013042](#) Mini-Fit Jr. Receptacle, [245135](#) Mini-Fit Jr. Cable Assembly

Temperature Range - Operating -40°C 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-42440-0611

**Reference - Drawing Numbers**

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

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