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**Part Number:** [15-24-6060](#)

**Status:** **Active**

**Overview:** [Mini-Fit® Blind Mate Interface \(BMI\) Connectors](#)

**Description:** 4.20mm Pitch Mini-Fit® BMI Header, Dual Row, Right Angle, with Snap-in Plastic Peg PCB Lock, 6 Circuits, PA Polyamide Nylon 6/6, UL 94V-2, with Tin (Sn) Plating

**Documents:**

[3D Model](#)

[Drawing \(PDF\)](#)

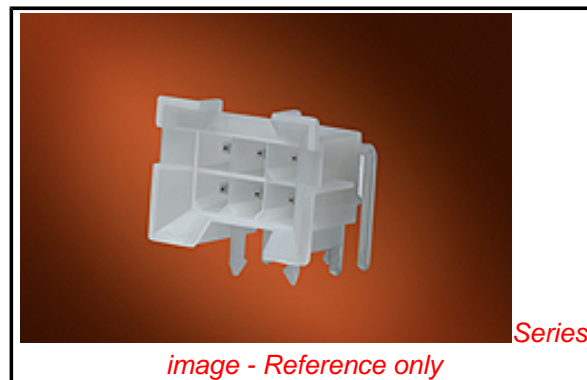
[Product Specification PS-45750-001 \(PDF\)](#)

[Product Specification PS-5556-002 \(PDF\)](#)

[Test Summary TS-42404-001 \(PDF\)](#)

[Test Summary TS-5556-002 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)



**Agency Certification**

CSA LR19980  
UL E29179

**General**

Product Family PCB Headers  
Series [42404](#)  
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.  
  
MolexKits Yes  
Overview [Mini-Fit® Blind Mate Interface \(BMI\) Connectors](#)  
Product Name Mini-Fit® BMI  
UPC 800753689077

**Physical**

Breakaway No  
Circuits (Loaded) 6  
Circuits (maximum) 6  
Color - Resin Natural  
Durability (mating cycles max) 30  
Flammability 94V-2  
Glow-Wire Compliant 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 2.976/g  
Number of Rows 2  
Orientation Right Angle  
PC Tail Length 3.30mm  
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

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

Not Reviewed

**Low-Halogen Status**

**Low-Halogen**

**China RoHS**



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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

[42404Series](#)

**Mates With**

[15-06-0060](#) Mini-Fit® BMI Panel Mount Receptacle, [39-01-2060](#) Mini-Fit Jr.™ Receptacle, [15-24-7060](#) Mini-Fit® BMI Vertical Receptacle Header, [44475-0611](#) Mini-Fit® BMI SMC Vertical Receptacle Header

|                                |                 |
|--------------------------------|-----------------|
| Polarized to PCB               | Yes             |
| Shrouded                       | Partial         |
| Stackable                      | No              |
| Surface Mount Compatible (SMC) | No              |
| Temperature Range - Operating  | -40°C to +105°C |
| Termination Interface: Style   | Through Hole    |

### **Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 13A  |
| Voltage - Maximum             | 600V |

### **Solder Process Data**

|  |                        |
|--|------------------------|
| Duration at Max. Process Temperature (seconds) | 5                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                      |
| Process Temperature max. C                     | 240                    |

### **Material Info**

|                 |              |
|-----------------|--------------|
| Old Part Number | A-42404-06A1 |
|-----------------|--------------|

### **Reference - Drawing Numbers**

|                       |                           |
|-----------------------|---------------------------|
| Product Specification | PS-45750-001, PS-5556-002 |
| Sales Drawing         | SDA-42404-****            |
| Test Summary          | TS-42404-001, TS-5556-002 |

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