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**Part Number:** [0015249144](#)

**Status:** **Active**

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

**Description:** Mini-Fit® BMI Header, Dual Row, Right Angle, with Snap-in Plastic Peg PCB Lock, 14 Circuits, PA Polyamide Nylon 6/6, UL 94V-0, 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**

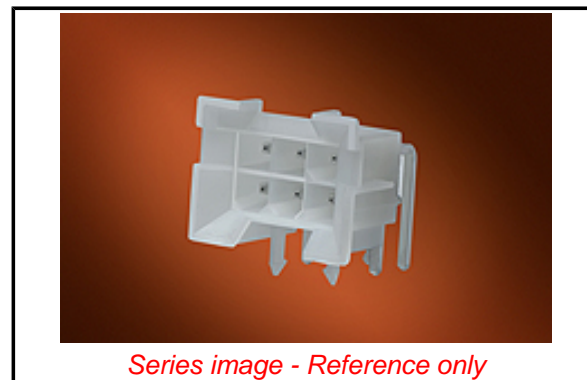
CSA LR19980  
UL E29179

**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.  
Overview [Mini-Fit® Blind Mate Interface \(BMI\) Connectors](#)  
Product Name Mini-Fit® BMI  
UPC 800753684256

**Physical**

Breakaway No  
Circuits (Loaded) 14  
Circuits (maximum) 14  
Color - Resin Natural (White)  
Durability (mating cycles max) 30  
Flammability 94V-0  
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 5.560/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  
Polarized to PCB Yes  
Shrouded Partial



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Contains SVHC(2015 June 15): No

**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  
ELV

Green Image  
Not Relevant

**Search Parts in this Series**

[42404 Series](#)

**Mates With**

[15-06-0141](#) Mini-Fit® BMI Panel Mount Receptacle, [39-01-2145](#) Mini-Fit Jr.™ Receptacle, [15-24-7141](#) Mini-Fit® BMI Vertical Receptacle Header, [44475-1421](#) Mini-Fit® BMI Vertical Receptacle Header

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	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**

Old Part Number	A-42404-14B1
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**Reference - Drawing Numbers**

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

This document was generated on 08/31/2015

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