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Part Number: [15-24-9107](#)

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, 10 Circuits, PA Polyamide Nylon 6/6, UL 94V-2, with Select Gold (Au) Plating

Documents:

[Drawing \(PDF\)](#)

[3D Model](#)

[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

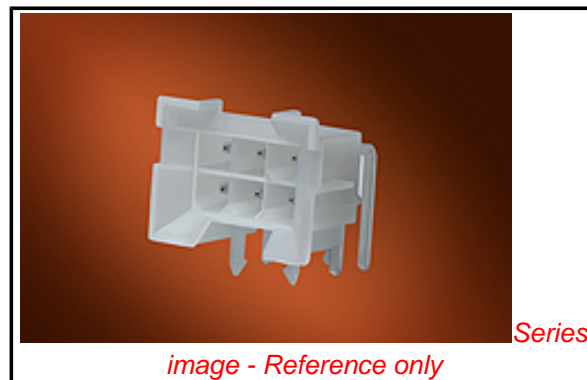
General

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 822350294966

Physical

Breakaway No
Circuits (Loaded) 10
Circuits (maximum) 10
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 Gold
Material - Plating Termination Tin
Material - Resin Nylon
Net Weight 4.031/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 0.762µm
Plating min - Termination 2.540µm
Polarized to Mating Part Yes
Polarized to PCB Yes



Series

EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No Low-Halogen Status Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email 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

[15-06-0100](#) Mini-Fit® BMI Panel Mount Receptacle, [39-01-2100](#) Mini-Fit Jr.™ Receptacle, [15-24-7102](#) Mini-Fit® BMI Vertical Receptacle Header

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	42404-10A5
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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 03/27/2014

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