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Part Number: [0015246041](#)

Status: **Active**

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

Description: Mini-Fit® BMI Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-in Plastic Peg PCB Lock, 4 Circuits, PA Polyamide Nylon 6/6, UL 94V-2, Tin (Sn) Plating, without Drain Holes

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

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

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

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

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® Blind Mate Interface \(BMI\) Connectors](#)
Product Name Mini-Fit® BMI
UPC 800753534995

Physical

Breakaway No
Circuits (Loaded) 4
Circuits (maximum) 4
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 1.284/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 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

Not Contained Per
-ED/79/2015 (17
December 2015)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email 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

[42440](#) Series

Mates With

[15-06-0040](#) Mini-Fit® BMI Panel Mount Receptacle, [15-24-7040](#) Mini-Fit® BMI Vertical Receptacle Header, [39-01-3042](#) Mini-Fit Jr.™ Receptacle

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-42440-0411
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Reference - Drawing Numbers

Product Specification	PS-5556-002
Sales Drawing	SDA-42440-****
Test Summary	TS-5556-002

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