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**Part Number: 0015249103**

**Status: Planned for Obsolescence** **Overview: Mini-Fit® BMI**

**Description:** 4.20mm (.165") Pitch 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 Overall Gold (Au) Plating

**Documents:** [Note - Please disable browser pop-up blockers for documents on www.molex.com](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

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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	<a href="#">Mini-Fit® BMI</a>
Product Name	Mini-Fit® BMI
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	Gold
Material - Resin	Nylon
Number of Rows	2
Orientation	Right Angle
PC Tail Length	3.30mm (.130")
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.80mm (.071")
Packaging Type	Tray
Pitch - Mating Interface	4.20mm (.165")
Plating min - Mating	0.762µm (30µ")
Plating min - Termination	0.762µm (30µ")
Polarized to Mating Part	Yes
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 (Please review the Product Specification for specific details.)	
Current - Maximum per Contact	13A
Voltage - Maximum	600V
Agency Certification	
CSA	LR19980
UL	E29179
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-42404-10A2
Reference - Drawing Numbers	
Product Specification	PS-5556-002
Sales Drawing	SDA-42404-****
Test Summary	TS-5556-002



**EU RoHS**  
ELV and RoHS Compliant

**China RoHS**

**REACH SVHC**  
Contains SVHC: No

**Low-Halogen Status**  
Low-Halogen

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Email [productcompliance@molex.com](mailto:productcompliance@molex.com)

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

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**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