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**Part Number:** [0015249164](#)

**Status:** **Active**

**Overview:**

**Description:** Mini-Fit BMI Header, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 16 Circuits, PA Polyamide Nylon 6/6, UL 94V-0, with Tin (Sn) Plating

**Agency Certification**

CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">42404</a>
Application	Board-to-Board, Power, Wire-to-Board
Comments	Current = 13A max. per circuit when header is mated to a receptacle loaded with <a href="#">45750</a> 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	minifit_power_connector_solutions
Product Name	Mini-Fit BMI
UPC	800754911290

**Physical**

Breakaway	No
Circuits (Loaded)	16
Circuits (maximum)	16
Color - Resin	Natural (White)
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	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	6.352/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
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole

**Electrical**

Current - Maximum per Contact	13.0A
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**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)9139-DC (19  
Jan 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[42404](#) Series

**Mates With**

[39012165](#) Mini-Fit Jr. Receptacle, [15247161](#)  
Mini-Fit BMI Vertical Receptacle Header

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**

Engineering Number A-42404-16B1

**Reference - Drawing Numbers**

Application Specification 424040001-AS-000  
Packaging Specification PK-42404-002-001  
Product Specification 55560002-PS-CH-000, 55560002-PS-ES-000,  
55560002-PS-SK-000, PS-45750-001-001,  
PS-5556-002-001  
Sales Drawing SDA-42404-XXXX  
Symbol/Footprint Data SYM-A42404-16XX  
Test Summary TS-42404-001-001, TS-5556-002-001

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