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Part Number: [0015249184](#)
Status: **Active**
Description: 4.20mm (.165") Pitch Mini-Fit BMI™ Header, Dual Row, Right Angle, with Snap-in Plastic Peg PCB Lock, 18 Circuits, PA Polyamide Nylon 6/6, UL 94V-0, with Tin (Sn) Plating

Documents:

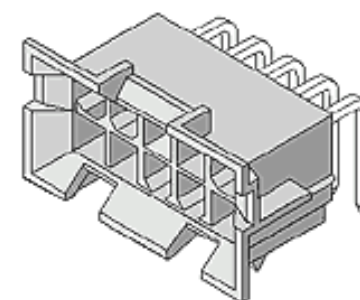
[3D Model](#) [Product Specification PS-5556-002 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Packaging Specification \(PDF\)](#)

General

Product Family	PCB Headers
Series	42404
Application	Board-to-Board
Application	Wire-to-Board
Comments	Current = 11A max. per circuit when header is mated to a receptacle loaded with 45750 series terminals crimped to 16 AWG wire.. See Molex product specification PS-45750-001 for additional current de-rating information.
Product Name	Mini-Fit BMI™

Physical

Breakaway	No
Circuits (Loaded)	18
Circuits (maximum)	18
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
Number of Rows	2
Orientation	Right Angle
PC Tail Length (in)	0.130 In
PC Tail Length (mm)	3.30 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.070 In
PCB Thickness Recommended (mm)	1.80 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.165 In
Pitch - Mating Interface (mm)	4.20 mm
Plating min: Mating (µin)	100
Plating min: Mating (µm)	2.50
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.50
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	No



Series image - Reference only

EU RoHS

ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

[42404 Series](#)

Mates With

[15-06-0181](#) Mini-Fit BMI™ Panel Mount Receptacle, [39-01-2185](#) Mini-Fit Jr.™ Receptacle, [15-24-7181](#) Mini-Fit BMI™ Vertical Receptacle Header, [44516-0009](#) Mini-Fit BMI™ Slide-and-Lock Panel Mount Receptacle

Temperature Range - Operating -40°C to +105°C
Termination Interface: Style Through Hole

Electrical

CSA LR19980
Current - Maximum 11A
Current - Maximum 6A
UL E29179
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 A-42404-18B1

Reference - Drawing Numbers

Product Specification PS-5556-002
Sales Drawing SDA-42404-****

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