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Part Number: [0015249064](#)
Status: **Active**
Description: 4.20mm (.165") Pitch Mini-Fit BMI™ Header, Dual Row, Right Angle, with Snap-in Plastic Peg PCB Lock, 6 Circuits, PA Polyamide Nylon 6/6, UL 94V-0, with Tin (Sn) Plating

Documents:

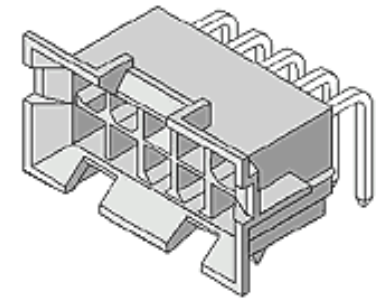
[3D Model](#) [Product Specification PS-5556-002 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Packaging Specification \(PDF\)](#)

General

| | |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Family | PCB Headers |
| Series | 42404 |
| Application | Board-to-Board |
| Application | Wire-to-Board |
| Comments | Current = 12A 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) | 6 |
| Circuits (maximum) | 6 |
| 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
Not Reviewed

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.

| | |
|-------------------------------|------------------------|
| Duration at Max. | 5 |
| Process Temperature (seconds) | |
| Lead-free Process Capability | Wave Capable (TH only) |
| Max. Cycles at Max. | 1 |
| Process Temperature | |
| Process Temperature max. C | 240 |

Search Parts in this Series

[42404 Series](#)

Mates With

[15-06-0061](#) Mini-Fit BMI™ Panel Mount Receptacle, [39-01-2065](#) Mini-Fit Jr.™ Receptacle, [15-24-7061](#) Mini-Fit BMI™ Vertical Receptacle Header, [44475-0621](#) Mini-Fit BMI™ SMC Vertical Receptacle Header

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

Electrical

CSA LR19980
Current - Maximum 12A
Current - Maximum 8A
UL E29179
Voltage - Maximum 600V

Material Info

Old Part Number A-42404-06B1

Reference - Drawing Numbers

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

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