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Part Number: [0015246183](#)
Status: **Active**
Overview: Mini-Fit BMI Connectors
Description: 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 Select Gold (Au) Plating

Documents:

| | |
|--|--|
| 3D Model | Product Specification TS-42404-001-001 (PDF) |
| Drawing (PDF) | Product Specification TS-5556-002-001 (PDF) |
| Product Specification PS-45750-001-001 (PDF) | Packaging Specification PK-42404-002-001 (PDF) |
| Product Specification PS-5556-002-001 (PDF) | RoHS Certificate of Compliance (PDF) |

Agency Certification

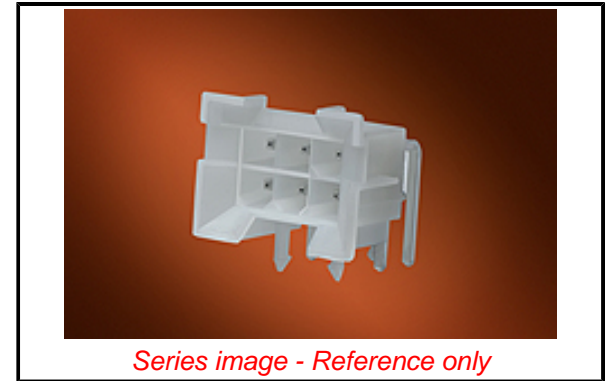
| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

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 | Mini-Fit BMI Connectors |
| Product Name | Mini-Fit BMI |
| UPC | 822350295536 |

Physical

| | |
|--------------------------------|-----------------|
| Breakaway | No |
| Circuits (Loaded) | 18 |
| Circuits (maximum) | 18 |
| 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 | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Net Weight | 7.015/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 | 0.762µm |
| 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/01/2018 (15 January 2018)

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 | Green Image |
| ELV | Not Relevant |
| RoHS Phthalates | Not Contained |

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, [15-24-7183](#) Mini-Fit BMI Vertical Receptacle Header, [44516-0009](#) Mini-Fit BMI Slide-and-Lock Panel Mount 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

| | |
|--------------------|------------|
| Engineering Number | 42404-18B5 |
|--------------------|------------|

Reference - Drawing Numbers

| | |
|-------------------------|---|
| Packaging Specification | PK-42404-002-001 |
| Product Specification | PS-45750-001-001, PS-5556-002-001, TS-42404-001-001, TS-5556-002-001 |
| Sales Drawing | SDA-42404-**** |

This document was generated on 07/18/2018

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