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Part Number: [15-24-9187](#)
Status: **Active**
Overview: Mini-Fit® Blind Mate Interface (BMI) Connectors
Description: 4.20mm 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-2, with Select Gold (Au) Plating

Documents:

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

Agency Certification

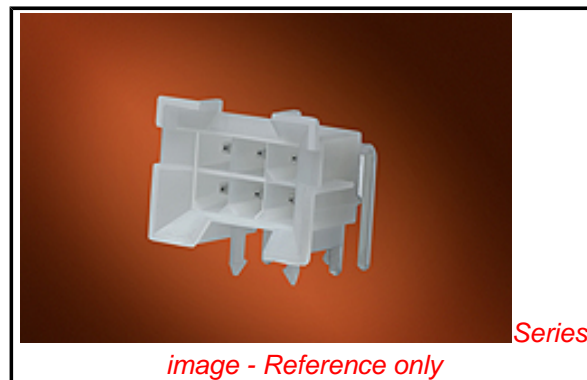
| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

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® Blind Mate Interface (BMI) Connectors |
| Product Name | Mini-Fit® BMI |
| UPC | 822350294980 |

Physical

| | |
|--------------------------------|-------------|
| Breakaway | No |
| Circuits (Loaded) | 18 |
| Circuits (maximum) | 18 |
| 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 | Tin |
| Material - Resin | Nylon |
| Net Weight | 6.950/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 |



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Not Reviewed

Low-Halogen Status

Low-Halogen

China RoHS



Need more information on product environmental compliance?

Email productcompliance@molex.com
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

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

Search Parts in this Series

[42404Series](#)

Mates With

[15-06-0180](#) Mini-Fit® BMI Panel Mount Receptacle, [39-01-2180](#) Mini-Fit Jr.™ Receptacle, [15-24-7182](#) Mini-Fit® BMI Vertical Receptacle Header

| | |
|--------------------------------|-----------------|
| 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

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 13A |
| 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 | 42404-18A5 |
|-----------------|------------|

Reference - Drawing Numbers

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

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