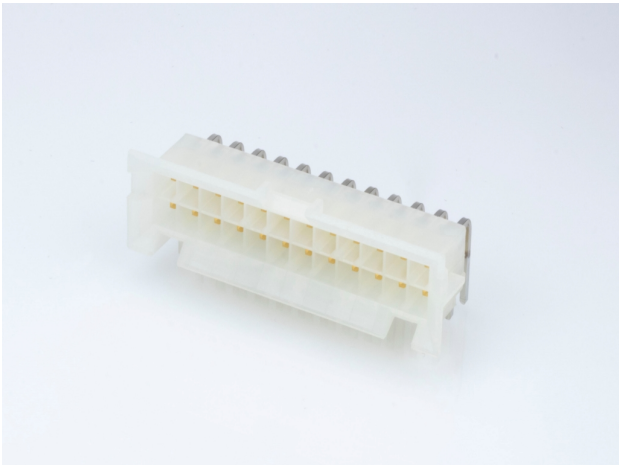




Part Number : [15249247](#)
Product Description : Mini-Fit BMI Header, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 24 Circuits, PA Polyamide Nylon 6/6, UL 94V-2, with Select Gold (Au) Plating
Series Number : 42404
Status : Active
Product Category : PCB Headers and Receptacles
Engineering Number : 42404-24A5



Documents & Resources

Drawings

[015249247_sd.pdf](#)
[PK-42404-002-001.pdf](#)

3D Models and Design Files


[015249247_stp.zip](#)
[SYM-A42404-24XX-001.zip](#)

Specifications

[424040001-AS-000.pdf](#)
[PS-45750-001-001.pdf](#)
[55560002-PS-CH-000.pdf](#)
[55560002-PS-ES-000.pdf](#)
[55560002-PS-SK-000.pdf](#)
[PS-5556-002-001.pdf](#)
[TS-42404-001-001.pdf](#)
[TS-5556-002-001.pdf](#)

Product Environment Compliance

Compliance

| | |
|--------------------|---|
| GADSL/IMDS | Not Relevant |
| China RoHS |  |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2024)6225-DC (07 Nov 2024) |

| | |
|---------|---------------------------|
| EU RoHS | Compliant per EU 2015/863 |
|---------|---------------------------|

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

| | |
|----------------|---|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 42404 |
| Description | Mini-Fit BMI Header, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 24 Circuits, PA Polyamide Nylon 6/6, UL 94V-2, with Select Gold (Au) Plating |
| 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. |
| Component Type | PCB Header |
| Product Name | Mini-Fit BMI |
| UPC | 822350294997 |

Agency

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

Electrical

| | |
|-------------------------------|-------|
| Current - Maximum per Contact | 13.0A |
| Voltage - Maximum | 600V |

Physical

| | |
|--------------------------------|----------------|
| Breakaway | No |
| Circuits (Loaded) | 24 |
| Circuits (maximum) | 24 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 30 |
| Flammability | 94V-2 |
| 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 | 9.260/g |
| Number of Rows | 2 |
| Orientation | Right Angle |
| Packaging Type | Tray |
| PC Tail Length | 3.30mm |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.80mm |
| 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 |
| Stackable | No |
| Temperature Range - Operating | -40° to +105°C |

| | |
|-----------------------------|--------------|
| Termination Interface Style | Through Hole |
|-----------------------------|--------------|

Solder Process Data

| | |
|------------------------------|------|
| Max-Duration | 5 |
| Lead-Free Process Capability | WAVE |
| Max-Cycle | 1 |
| Max-Temp | 240 |

Mates With / Use With

Mates with Part(s)

| Description | Part Number |
|--|-----------------|
| Mini-Fit BMI Receptacle Housing, 4.20mm Pitch, Dual Row with Panel Mount Ears, PA Polyamide Nylon 6/6, UL 94V-2, 24 Circuits | <u>15060240</u> |
| Mini-Fit BMI Receptacle Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-In Plastic Pegs, 0.80µm Gold (Au), UL 94V-2, 24 Circuits | <u>15247242</u> |
| Mini-Fit Jr. Receptacle Housing, Dual Row, 24 Circuits, UL 94V-2, Natural | <u>39012240</u> |