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**Part Number:** [0015246240](#)  
**Status:** **Active**  
**Overview:** Mini-Fit BMI Connectors  
**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 Tin (Sn) Plating

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                     | <a href="#">Product Specification TS-42404-001-001 (PDF)</a>   |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Product Specification TS-5556-002-001 (PDF)</a>    |
| <a href="#">Product Specification PS-45750-001-001 (PDF)</a> | <a href="#">Packaging Specification PK-42404-002-001 (PDF)</a> |
| <a href="#">Product Specification PS-5556-002-001 (PDF)</a>  | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |

**Agency Certification**

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

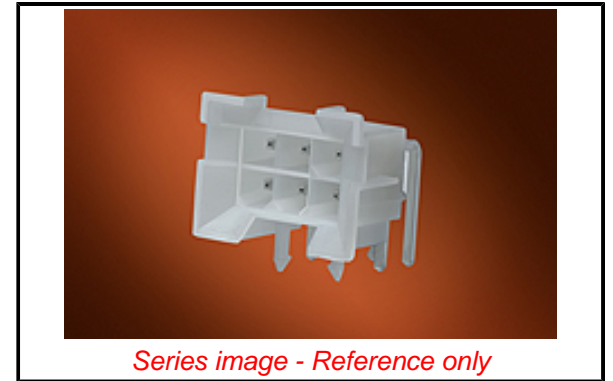
**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers  |
| Series         | <a href="#">42404</a>  |
| Application    | Board-to-Board, Power, Wire-to-Board   |
| Comments       | Current = 13A max. per circuit when header is mated to a receptacle loaded with <a href="#">45750</a> 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     | <a href="#">Mini-Fit BMI Connectors</a> |
| Product Name | Mini-Fit BMI                            |
| UPC          | 800754316248                            |

**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      | Tin         |
| Material - Plating Termination | Tin         |
| Material - Resin               | Nylon       |
| Net Weight                     | 9.284/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           | 2.540µm     |
| 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](mailto: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**

[15-06-0240](#) Mini-Fit BMI Panel Mount Receptacle, [39-01-2240](#) Mini-Fit Jr. Receptacle, [15-24-7240](#) Mini-Fit BMI Vertical Receptacle Header, [44475-2411](#) Mini-Fit BMI Vertical Receptacle Header

|                                |                 |
|--------------------------------|-----------------|
| 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 | A-42404-24A1 |
|--------------------|--------------|

**Reference - Drawing Numbers**

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

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