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**Part Number:** [0445160012](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit® BMI Connectors](#)  
**Description:** Mini-Fit® BMI Receptacle Housing, 4.20mm Pitch, Dual Row, Panel Mount, Slide-and-Lock, PBT Polyester, UL 94V-0, 24 Circuits

**Documents:**

|                                                              |                                                             |
|--------------------------------------------------------------|-------------------------------------------------------------|
| <a href="#">3D Model</a>                                     | <a href="#">Product Specification TS-5556-002-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification PK-44516-003 (PDF)</a>  |
| <a href="#">Product Specification PS-44516-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>        |
| <a href="#">Product Specification PS-45750-001-001 (PDF)</a> |                                                             |

**Agency Certification**

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

**General**

|                |                                                                                                                                                                                                                                            |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Family | Crimp Housings                                                                                                                                                                                                                             |
| Series         | <a href="#">44516</a>                                                                                                                                                                                                                      |
| Application    | Power, Wire-to-Board, Wire-to-Wire                                                                                                                                                                                                         |
| Comments       | Current = 13A max. per circuit when header is mated to a receptacle loaded with <a href="#">45750</a> series terminals crimped to 16 AWG wire. . See Molex product specification PS-45750-001 for additional current derating information. |
| Overview       | <a href="#">Mini-Fit® BMI Connectors</a>                                                                                                                                                                                                   |
| Product Name   | Mini-Fit® BMI                                                                                                                                                                                                                              |
| UPC            | 756054224441                                                                                                                                                                                                                               |

**Physical**

|                               |                 |
|-------------------------------|-----------------|
| Circuits (maximum)            | 24              |
| Color - Resin                 | Black           |
| Flammability                  | 94V-0           |
| Gender                        | Female          |
| Glow-Wire Compliant           | No              |
| Lock to Mating Part           | None            |
| Material - Resin              | Polyester       |
| Net Weight                    | 8.825/g         |
| Number of Rows                | 2               |
| Packaging Type                | Tray            |
| Panel Mount                   | Yes             |
| Pitch - Mating Interface      | 4.20mm          |
| Polarized to Mating Part      | Yes             |
| Stackable                     | No              |
| Temperature Range - Operating | -40°C to +105°C |

**Electrical**

|                               |       |
|-------------------------------|-------|
| Current - Maximum per Contact | 13.0A |
|-------------------------------|-------|

**Solder Process Data**

|                             |     |
|-----------------------------|-----|
| Lead-freeProcess Capability | N/A |
|-----------------------------|-----|

**Material Info**

**Reference - Drawing Numbers**

|                         |                                                     |
|-------------------------|-----------------------------------------------------|
| Packaging Specification | PK-44516-003                                        |
| Product Specification   | PS-44516-001-001, PS-45750-001-001, TS-5556-002-001 |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2017 (12  
January 2017)

**Halogen-Free**

**Status**

**Not 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**

[44516](#) Series

**Mates With**

[42475](#) Mini-Fit® Plug, Mini-Fit® Header  
[42404](#) , [42440](#) , [44068](#) , [43879](#) , [43810](#) ,  
[43759](#)

**Use With**

Mini-Fit® Crimp Terminal [5556](#) , [44476](#) ,  
[45750](#) Mini-Fit® Plus HCS Crimp Terminal

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