

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0445160012

Status:

Active

Overview:

Mini-Fit® Blind Mate Interface (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:

3D Model

Drawing (PDF)

Product Specification PS-44516-001-001 (PDF)

Product Specification PS-45750-001-001 (PDF)

Product Specification TS-5556-002-001 (PDF)

Packaging Specification PK-44516-003 (PDF)

RoHS Certificate of Compliance (PDF)

|                               |                                                                                                                                                                                                                            |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Agency Certification          |                                                                                                                                                                                                                            |
| CSA                           | LR19980                                                                                                                                                                                                                    |
| UL                            | E29179                                                                                                                                                                                                                     |
| General                       |                                                                                                                                                                                                                            |
| Product Family                | Crimp Housings                                                                                                                                                                                                             |
| Series                        | 44516                                                                                                                                                                                                                      |
| Application                   | Power, Wire-to-Board, Wire-to-Wire                                                                                                                                                                                         |
| Comments                      | Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 series terminals crimped to 16 AWG wire. . See Molex product specification PS-45750-001 for additional current derating information. |
| Overview                      | Mini-Fit® Blind Mate Interface (BMI) Connectors                                                                                                                                                                            |
| 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

China RoHS

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

This document was generated on 03/10/2017

**PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION**