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**Part Number:** [0015247180](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Products](#)  
**Description:** Mini-Fit BMI Receptacle Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-In Plastic Pegs, Post 2.54µm Tin (Sn), UL 94V-2, 18 Circuits

**Documents:**

|   |  |
|---|--|
| <a href="#">3D Model</a>                                    | <a href="#">Packaging Specification PK-42385-999 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                               | <a href="#">Test Summary 423850000-TS-000 (PDF)</a>        |
| <a href="#">Product Specification PS-5556-002-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>       |
| <a href="#">Product Specification TS-5556-002-001 (PDF)</a> |  |

**Agency Certification**

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

**General**

|                |                                   |
|----------------|-----------------------------------|
| Product Family | PCB Receptacles                   |
| Series         | <a href="#">42385</a>             |
| Application    | Board-to-Board, Power             |
| Comments       | Solder Type With Pegs             |
| Overview       | <a href="#">Mini-Fit Products</a> |
| Product Name   | Mini-Fit BMI                      |
| UPC            | 800754209526                      |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Circuits (Loaded)              | 18              |
| Circuits (maximum)             | 18              |
| Color - Resin                  | Natural         |
| Durability (mating cycles max) | 30              |
| Flammability                   | 94V-2           |
| Glow-Wire Capable              | No              |
| Guide to Mating Part           | Yes             |
| Keying to Mating Part          | None            |
| Lock to Mating Part            | None            |
| Material - Metal               | Brass           |
| Material - Plating Mating      | Tin             |
| Material - Resin               | Nylon           |
| Net Weight                     | 3.665/g         |
| Number of Rows                 | 2               |
| Orientation                    | Vertical        |
| PCB Locator                    | Yes             |
| PCB Retention                  | Yes             |
| PCB Thickness - Recommended    | 1.20mm          |
| Packaging Type                 | Tray            |
| Pitch - Mating Interface       | 4.20mm          |
| Pitch - Termination Interface  | 4.20mm          |
| Polarized to Mating Part       | Yes             |
| Polarized to PCB               | Yes             |
| Surface Mount Compatible (SMC) | No              |
| Temperature Range - Operating  | -40°C to +105°C |
| Termination Interface: Style   | Through Hole    |

**Electrical**

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 9.0A             |
| Grounding to PCB              | No               |
| Voltage - Maximum             | 600V AC (RMS)/DC |



**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**

[42385 Series](#)

**Mates With**

[42475](#) Panel Mount Plug, [42404](#) Right Angle Header, [42440](#) Vertical Header, [43879](#) Vertical Header, [44068](#) Vertical Header

**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 | 42385-18A1 |
|--------------------|------------|

**Reference - Drawing Numbers**

|                         |                                  |
|-------------------------|----------------------------------|
| Packaging Specification | PK-42385-999                     |
| Product Specification   | PS-5556-002-001, TS-5556-002-001 |
| Sales Drawing           | SDA-42385-*                      |
| Test Summary            | 423850000-TS-000                 |

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