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**Part Number:** [0015243048](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Family Power Connectors  
**Description:** Mini-Fit BMI Receptacle Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-In Plastic Pegs, 1.25µm Gold (Au), 4 Circuits

**Documents:**

|  |   |
|--|---|
| <a href="#">3D Model (PDF)</a>                                 | <a href="#">Product Specification PS-5556-002-001 (PDF)</a>     |
| <a href="#">3D Model</a>                                       | <a href="#">Packaging Specification PK-42385-999-001 (PDF)</a>  |
| <a href="#">Drawing (PDF)</a>                                  | <a href="#">Test Summary 423850000-TS-000 (PDF)</a>             |
| <a href="#">Product Specification 55560002-PS-CH-000 (PDF)</a> | <a href="#">Test Summary TS-5556-002-001 (PDF)</a>              |
| <a href="#">Product Specification 55560002-PS-ES-000 (PDF)</a> | <a href="#">Symbol Footprint Data SYM-A42385-04XX-001 (PDF)</a> |
| <a href="#">Product Specification 55560002-PS-SK-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |

**Agency Certification**

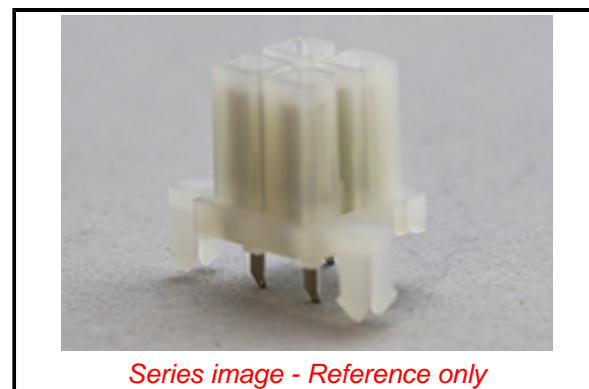
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |  |
|----------------|--|
| Product Family | PCB Receptacles                                  |
| Series         | <a href="#">42385</a>                            |
| Application    | Board-to-Board, Power, Wire-to-Board             |
| Overview       | <a href="#">Mini-Fit Family Power Connectors</a> |
| Product Name   | Mini-Fit BMI                                     |
| UPC            | 800754910293                                     |

**Physical**

|                                |                |
|--------------------------------|----------------|
| Circuits (Loaded)              | 4              |
| Circuits (maximum)             | 4              |
| 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      | Gold           |
| Material - Plating Termination | Tin            |
| Material - Resin               | Nylon          |
| Net Weight                     | 1.217/g        |
| Number of Rows                 | 2              |
| Orientation                    | Vertical       |
| PC Tail Length                 | 3.50mm         |
| PCB Locator                    | Yes            |
| PCB Retention                  | Yes            |
| PCB Thickness - Recommended    | 1.00mm         |
| Packaging Type                 | Tray           |
| Pitch - Mating Interface       | 4.20mm         |
| Pitch - Termination Interface  | 4.20mm         |
| Plating min - Mating           | 1.270µm        |
| Plating min - Termination      | 2.540µm        |
| Polarized to Mating Part       | Yes            |
| Polarized to PCB               | Yes            |
| Stackable                      | No             |
| Surface Mount Compatible (SMC) | No             |
| Temperature Range - Operating  | -40° to +105°C |



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[42385 Series](#)

**Mates With**

Panel Mount Plug [42475](#) <br>Right Angle  
Headers [42404](#) , [43810](#) <br>Vertical  
Headers [42440](#) , [43879](#) , [44068](#)

|                               |                  |
|-------------------------------|------------------|
| Termination Interface: Style  | Through Hole     |
| <b>Electrical</b>             |                  |
| Current - Maximum per Contact | 9.0A             |
| Grounding to PCB              | No               |
| Voltage - Maximum             | 600V AC (RMS)/DC |

**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 | 42385-04A4 |
|--------------------|------------|

**Reference - Drawing Numbers**

|                         |  |
|-------------------------|--|
| Packaging Specification | PK-42385-999-001   |
| Product Specification   | 55560002-PS-CH-000, 55560002-PS-ES-000,<br>55560002-PS-SK-000, PS-5556-002-001 |
| Sales Drawing           | SDA-42385-X-001  |
| Symbol/Footprint Data   | SYM-A42385-04XX-001  |
| Test Summary            | 423850000-TS-000, TS-5556-002-001  |

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