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**Part Number:** [0015247187](#)  
**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, 0.80µm Gold (Au), UL 94V-0, 18 Circuits

**Documents:**

|  |   |
|--|---|
| <a href="#">Drawing (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="#">3D Model (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-A42385-18XX-001 (PDF)</a> |
| <a href="#">Product Specification 55560002-PS-SK-000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |

**Agency Certification**

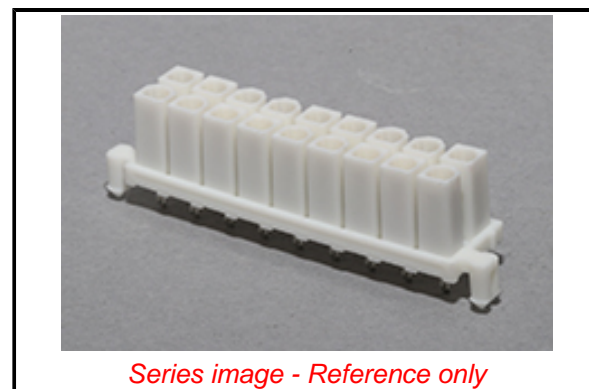
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                |  |
|----------------|--|
| Product Family | PCB Receptacles                                  |
| Series         | <a href="#">42385</a>                            |
| Application    | Board-to-Board, Power, Wire-to-Board             |
| Comments       | Solder Type With Pegs                            |
| Overview       | <a href="#">Mini-Fit Family Power Connectors</a> |
| Product Name   | Mini-Fit BMI                                     |
| UPC            | 800754910750                                     |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Circuits (Loaded)              | 18              |
| Circuits (maximum)             | 18              |
| Color - Resin                  | Natural (White) |
| Durability (mating cycles max) | 30              |
| Flammability                   | 94V-0           |
| Glow-Wire Capable              | No              |
| Guide to Mating Part           | Yes             |
| Keying to Mating Part          | None            |
| Lock to Mating Part            | None            |
| Material - Metal               | Phosphor Bronze |
| Material - Plating Mating      | Gold            |
| Material - Plating Termination | Tin             |
| Material - Resin               | Nylon           |
| Net Weight                     | 3.665/g         |
| Number of Rows                 | 2               |
| Orientation                    | Vertical        |
| PC Tail Length                 | 3.50mm          |
| PCB Locator                    | Yes             |
| PCB Retention                  | Yes             |
| PCB Thickness - Recommended    | 1.20mm          |
| Packaging Type                 | Tray            |
| Pitch - Mating Interface       | 4.20mm          |
| Pitch - Termination Interface  | 4.20mm          |
| Plating min - Mating           | 0.762µm         |
| Plating min - Termination      | 2.540µm         |
| Polarized to Mating Part       | Yes             |
| Polarized to PCB               | Yes             |
| Stackable                      | No              |
| Surface Mount Compatible (SMC) | No              |



*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](#)

Temperature Range - Operating -40° 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

**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 42385-18D2

**Reference - Drawing Numbers**

Packaging Specification PK-42385-999-001  
Product Specification 55560002-PS-CH-000, 55560002-PS-ES-000,  
55560002-PS-SK-000, PS-5556-002-001  
Sales Drawing SDA-42385-X-001  
Symbol/Footprint Data SYM-A42385-18XX-001  
Test Summary 423850000-TS-000, TS-5556-002-001

This document was generated on 11/04/2021

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