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Part Number:

0015247061

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, Post 2.54µm Tin (Sn), UL 94V-0, 6 Circuits

|                                                                |                                                                 |
|----------------------------------------------------------------|-----------------------------------------------------------------|
| Documents:                                                     |                                                                 |
| <a href="#">3D Model</a>                                       | <a href="#">Product Specification PS-5556-002-001 (PDF)</a>     |
| <a href="#">3D Model (PDF)</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-A42385-06XX-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               | 42385                                            |
| Application          | Board-to-Board, Power, Wire-to-Board             |
| Comments             | Solder Type, With Pegs                           |
| Component Type       | PCB Receptacle                                   |
| Overview             | <a href="#">Mini-Fit Family Power Connectors</a> |
| Product Name         | Mini-Fit BMI                                     |
| Taxonomy             | PCB Headers and Receptacles                      |
| UPC                  | 800754209090                                     |

|                                |                 |
|--------------------------------|-----------------|
| Physical                       |                 |
| Circuits (Loaded)              | 6               |
| Circuits (maximum)             | 6               |
| 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               | Brass           |
| Material - Plating Mating      | Tin             |
| Material - Resin               | Nylon           |
| Net Weight                     | 1.275/g         |
| Number of Rows                 | 2               |
| Orientation                    | Vertical        |
| PCB Locator                    | Yes             |
| PCB Retention                  | Yes             |
| PCB Thickness - Recommended    | 1.00mm          |
| 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° to +105°C  |
| Termination Interface: Style   | Through Hole    |



Series image - Reference only

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2022)4187-DC (10 June 2022)             |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Low-Halogen                                                   |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | 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](#)

**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-freeProcess Capability                    | WAVE |
| Max. Cycles at Max. Process Temperature        | 001  |
| Process Temperature max. C                     | 240  |

**Material Info**

|                    |            |
|--------------------|------------|
| Engineering Number | 42385-06B1 |
|--------------------|------------|

**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-A42385-06XX-001                                                            |
| Test Summary            | 423850000-TS-000, TS-5556-002-001                                              |

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