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Part Number:

0015247187

Status:

Active

Overview:

Mini-Fit Family Power Connectors

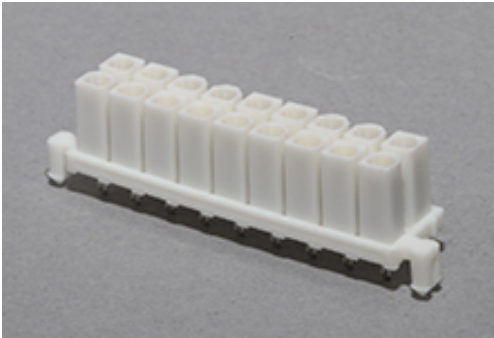
Description:

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               | 42385                                            |
| 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                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2021)4569-DC (8 July 2021)              |               |
| 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

|                                                |                                                                                |
|------------------------------------------------|--------------------------------------------------------------------------------|
| Temperature Range - Operating                  | -40° to +105°C                                                                 |
| Termination Interface: Style                   | Through Hole                                                                   |
| <b>Electrical</b>                              |                                                                                |
| Current - Maximum per Contact                  | 9.0A                                                                           |
| Grounding to PCB                               | No                                                                             |
| Voltage - Maximum                              | 600V AC (RMS)/DC                                                               |
| <b>Solder Process Data</b>                     |                                                                                |
| Duration at Max. Process Temperature (seconds) | 005                                                                            |
| Lead-freeProcess Capability                    | WAVE                                                                           |
| Max. Cycles at Max. Process Temperature        | 001                                                                            |
| Process Temperature max. C                     | 240                                                                            |
| <b>Material Info</b>                           |                                                                                |
| Engineering Number                             | 42385-18D2                                                                     |
| <b>Reference - Drawing Numbers</b>             |                                                                                |
| 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-A42385-18XX-001                                                            |
| Test Summary                                   | 423850000-TS-000, TS-5556-002-001                                              |

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