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Part Number:

0039310140

Status:

Active

Overview:

Mini-Fit Family Power Connectors

Description:

Mini-Fit Jr. Vertical Header, 4.20mm Pitch, Dual Row, 14 Circuits, without Snap-in Plastic Peg PCB Lock, Tin, Natural

Documents:

3D Model

3D Model (PDF)

Drawing (PDF)

Product Specification PS-5556-001-001 (PDF)

Application Specification AS-5557-001-001 (PDF)

Application Specification AS-5566-001-001 (PDF)

Packaging Specification PK-5566-000 (PDF)

Packaging Specification PK-5566-003-001 (PDF)

RoHS Certificate of Compliance (PDF)

|                                |                                                                                                                                                                                                                                                                                                         |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Agency Certification           |                                                                                                                                                                                                                                                                                                         |
| CSA                            | LR19980                                                                                                                                                                                                                                                                                                 |
| UL                             | E29179                                                                                                                                                                                                                                                                                                  |
| General                        |                                                                                                                                                                                                                                                                                                         |
| Product Family                 | PCB Headers                                                                                                                                                                                                                                                                                             |
| Series                         | 5566                                                                                                                                                                                                                                                                                                    |
| Application                    | Power, Wire-to-Board                                                                                                                                                                                                                                                                                    |
| Comments                       | The 5566 header should be used with standard Mini-Fit female terminals. If increased amperage of up to 13A per circuit is needed, please consider using the Mini-Fit Plus HCS family 45750 terminals with 46015 headers; See Molex Product specification PS-5666-001 for current de-rating information. |
| Overview                       | <a href="#">Mini-Fit Family Power Connectors</a>                                                                                                                                                                                                                                                        |
| Product Name                   | Mini-Fit Jr.                                                                                                                                                                                                                                                                                            |
| Taxonomy                       | PCB Headers and Receptacles                                                                                                                                                                                                                                                                             |
| UPC                            | 800754249607                                                                                                                                                                                                                                                                                            |
| Physical                       |                                                                                                                                                                                                                                                                                                         |
| Breakaway                      | No                                                                                                                                                                                                                                                                                                      |
| Circuits (Loaded)              | 14                                                                                                                                                                                                                                                                                                      |
| Circuits (maximum)             | 14                                                                                                                                                                                                                                                                                                      |
| Color - Resin                  | Natural                                                                                                                                                                                                                                                                                                 |
| Durability (mating cycles max) | 30                                                                                                                                                                                                                                                                                                      |
| First Mate / Last Break        | No                                                                                                                                                                                                                                                                                                      |
| Flammability                   | 94V-0                                                                                                                                                                                                                                                                                                   |
| Glow-Wire Capable              | No                                                                                                                                                                                                                                                                                                      |
| Guide to Mating Part           | No                                                                                                                                                                                                                                                                                                      |
| Keying to Mating Part          | None                                                                                                                                                                                                                                                                                                    |
| Lock to Mating Part            | Yes                                                                                                                                                                                                                                                                                                     |
| Material - Metal               | Brass                                                                                                                                                                                                                                                                                                   |
| Material - Plating Mating      | Tin                                                                                                                                                                                                                                                                                                     |
| Material - Plating Termination | Tin                                                                                                                                                                                                                                                                                                     |
| Material - Resin               | Nylon                                                                                                                                                                                                                                                                                                   |
| Net Weight                     | 3867.600/mg                                                                                                                                                                                                                                                                                             |
| Number of Rows                 | 2                                                                                                                                                                                                                                                                                                       |
| Orientation                    | Vertical                                                                                                                                                                                                                                                                                                |
| PC Tail Length                 | 3.50mm                                                                                                                                                                                                                                                                                                  |
| PCB Locator                    | Yes                                                                                                                                                                                                                                                                                                     |
| PCB Retention                  | None                                                                                                                                                                                                                                                                                                    |
| PCB Thickness - Recommended    | 1.60mm                                                                                                                                                                                                                                                                                                  |
| Packaging Type                 | Bag                                                                                                                                                                                                                                                                                                     |
| Pitch - Mating Interface       | 4.20mm                                                                                                                                                                                                                                                                                                  |



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

5566 Series

Mates With

5557 Mini-Fit Jr. Receptacle Housing, Mini-Fit TPA2 Receptacle Housing [172708](#)

|                                |                |
|--------------------------------|----------------|
| Pitch - Termination Interface  | 4.20mm         |
| Plating min - Mating           | 0.889μm        |
| Plating min - Termination      | 0.889μm        |
| Polarized to Mating Part       | Yes            |
| Polarized to PCB               | Yes            |
| Shrouded                       | Fully          |
| Stackable                      | No             |
| Surface Mount Compatible (SMC) | No             |
| Temperature Range - Operating  | -40° to +105°C |
| Termination Interface: Style   | Through Hole   |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 9.0A |
| Voltage - Maximum             | 600V |

**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 | 5566-14B-210 |
|--------------------|--------------|

**Reference - Drawing Numbers**

|                           |                                  |
|---------------------------|----------------------------------|
| Application Specification | AS-5557-001-001, AS-5566-001-001 |
| Packaging Specification   | PK-5566-000, PK-5566-003-001     |
| Product Specification     | PS-5556-001-001                  |
| Sales Drawing             | SD-5566-002-000                  |

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