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**Part Number:** [0039293146](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Jr. 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:**

- |                                                                 |                                                               |
|-----------------------------------------------------------------|---------------------------------------------------------------|
| <a href="#">3D Model</a>                                        | <a href="#">Packaging Specification PK-5566-000 (PDF)</a>     |
| <a href="#">Drawing (PDF)</a>                                   | <a href="#">Packaging Specification PK-5566-003-001 (PDF)</a> |
| <a href="#">Product Specification PS-5556-001 (PDF)</a>         | <a href="#">RoHS Certificate of Compliance (PDF)</a>          |
| <a href="#">Application Specification AS-5557-001-001 (PDF)</a> |                                                               |

**Agency Certification**

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

**General**

|                |                                                                                                                                                                                                                                                                                                                                             |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Family | PCB Headers                                                                                                                                                                                                                                                                                                                                 |
| Series         | <a href="#">5566</a>                                                                                                                                                                                                                                                                                                                        |
| 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 <a href="#">45750</a> terminals with <a href="#">46015</a> headers; . See Molex Product specification PS-5666-001 for current de-rating information. |
| Overview       | <a href="#">Mini-Fit Jr. Power Connectors</a>                                                                                                                                                                                                                                                                                               |
| Product Name   | Mini-Fit Jr.™                                                                                                                                                                                                                                                                                                                               |
| UPC            | 800753688643                                                                                                                                                                                                                                                                                                                                |

**Physical**

|                                |             |
|--------------------------------|-------------|
| Breakaway                      | No          |
| Circuits (Loaded)              | 14          |
| Circuits (maximum)             | 14          |
| Color - Resin                  | Natural     |
| Durability (mating cycles max) | 30          |
| First Mate / Last Break        | No          |
| Flammability                   | 94V-2       |
| Glow-Wire Compliant            | 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                     | 3726.900/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      |
| Pitch - Termination Interface  | 4.20mm      |
| Plating min - Mating           | 0.889µm     |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
ED/30/2017 (7 July  
2017)

**Halogen-Free  
Status**

**Low-Halogen**

**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

|                 |               |
|-----------------|---------------|
| 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

|                                                |                              |
|------------------------------------------------|------------------------------|
| 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°C to +105°C              |
| Termination Interface: Style                   | Through Hole                 |
| <b>Electrical</b>                              |                              |
| Current - Maximum per Contact                  | 9.0A                         |
| Voltage - Maximum                              | 600V                         |
| <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                     | 260                          |
| <b>Material Info</b>                           |                              |
| Engineering Number                             | 5566-14B                     |
| <b>Reference - Drawing Numbers</b>             |                              |
| Application Specification                      | AS-5557-001-001              |
| Packaging Specification                        | PK-5566-000, PK-5566-003-001 |
| Product Specification                          | PS-5556-001                  |
| Sales Drawing                                  | SD-5566-002-000              |

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