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**Part Number:** 0039012245  
**Status:** Active  
**Overview:** Mini-Fit Jr.™ Power Connectors  
**Description:** Mini-Fit Jr.™ Receptacle Housing, Dual Row, 24 Circuits, UL 94V-0, Natural

**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)  
[Product Specification PS-45750-001-001 \(PDF\)](#)  
[Product Specification PS-5556-001 \(PDF\)](#)  
[Product Specification TS-5556-002-001 \(PDF\)](#)  
[Packaging Specification PK-5557-002-000 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

|                                    |                                                                                                                                                                                                                            |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Agency Certification</b>        |                                                                                                                                                                                                                            |
| CSA                                | LR19980                                                                                                                                                                                                                    |
| UL                                 | E29179                                                                                                                                                                                                                     |
| <b>General</b>                     |                                                                                                                                                                                                                            |
| Product Family                     | Crimp Housings                                                                                                                                                                                                             |
| Series                             | 5557                                                                                                                                                                                                                       |
| Application                        | Power, Wire-to-Board, Wire-to-Wire                                                                                                                                                                                         |
| Comments                           | Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 series terminals crimped to 16 AWG wire. . See Molex product specification PS-45750-001 for additional current derating information. |
| Overview                           | Mini-Fit Jr.™ Power Connectors                                                                                                                                                                                             |
| Product Name                       | Mini-Fit Jr.™                                                                                                                                                                                                              |
| UPC                                | 800753694439                                                                                                                                                                                                               |
| <b>Physical</b>                    |                                                                                                                                                                                                                            |
| Breakaway                          | No                                                                                                                                                                                                                         |
| Circuits (maximum)                 | 24                                                                                                                                                                                                                         |
| Color - Resin                      | Natural                                                                                                                                                                                                                    |
| Flammability                       | 94V-0                                                                                                                                                                                                                      |
| Gender                             | Receptacle                                                                                                                                                                                                                 |
| Glow-Wire Compliant                | No                                                                                                                                                                                                                         |
| Material - Resin                   | Nylon                                                                                                                                                                                                                      |
| Net Weight                         | 4742.300/mg                                                                                                                                                                                                                |
| Number of Rows                     | 2                                                                                                                                                                                                                          |
| Packaging Type                     | Bag                                                                                                                                                                                                                        |
| Panel Mount                        | No                                                                                                                                                                                                                         |
| Pitch - Mating Interface           | 4.20mm                                                                                                                                                                                                                     |
| Pitch - Termination Interface      | 4.20mm                                                                                                                                                                                                                     |
| Polarized to Mating Part           | Yes                                                                                                                                                                                                                        |
| Stackable                          | No                                                                                                                                                                                                                         |
| Temperature Range - Operating      | -40°C to +105°C                                                                                                                                                                                                            |
| <b>Electrical</b>                  |                                                                                                                                                                                                                            |
| Current - Maximum per Contact      | 13.0A                                                                                                                                                                                                                      |
| <b>Solder Process Data</b>         |                                                                                                                                                                                                                            |
| Lead-freeProcess Capability        | N/A                                                                                                                                                                                                                        |
| <b>Material Info</b>               |                                                                                                                                                                                                                            |
| Engineering Number                 | 5557-24R-210                                                                                                                                                                                                               |
| <b>Reference - Drawing Numbers</b> |                                                                                                                                                                                                                            |
| Packaging Specification            | PK-5557-002-000                                                                                                                                                                                                            |
| Product Specification              | PS-45750-001-001, PS-5556-001, TS-5556-002-001                                                                                                                                                                             |



Series image - Reference only

**EU ELV**  
**Not Relevant**

**EU RoHS**  
**Compliant**

**China RoHS**  
**REACH SVHC**  
Not Contained Per  
-ED/01/2017 (12  
January 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**  
5557 Series

**Mates With**  
5559 Dual Row, 5566 Vertical with Pegs, 5566 Vertical without Pegs, 5569 Right Angle Dual Row with Flanges, 5569 Right Angle Dual Row with Pegs, 43810 , 44068 , 44281 , 87427 , 42404 , 42440

**Use With**  
5556 Mini-Fit® Female Crimp Terminals, 45750 Mini-Fit® Plus HCS Crimp Terminal

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