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**Part Number:** [50-36-1675](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Jr.™ Power Connectors](#)  
**Description:** Mini-Fit Jr.™ Plug Housing, Dual Row without Panel Mount Ears, PA Polyamide Nylon 6/6, UL 94V-0, 6 Circuits, Glow Wire Compatible

**Documents:**

|                                                          |                                                           |
|----------------------------------------------------------|-----------------------------------------------------------|
| <a href="#">3D Model</a>                                 | <a href="#">Packaging Specification PK-5559-002 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">Test Summary TS-5556-002 (PDF)</a>            |
| <a href="#">Product Specification PS-45750-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>      |
| <a href="#">Product Specification PS-5556-001 (PDF)</a>  |                                                           |

**Agency Certification**

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

**General**

|                |                                                                                                                                                                                                                                            |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Family | Crimp Housings                                                                                                                                                                                                                             |
| Series         | <a href="#">5559</a>                                                                                                                                                                                                                       |
| Application    | Power, Wire-to-Board, Wire-to-Wire                                                                                                                                                                                                         |
| Comments       | Current = 13A max. per circuit when header is mated to a receptacle loaded with <a href="#">45750</a> series terminals crimped to 16 AWG wire. . See Molex product specification PS-45750-001 for additional current derating information. |
| Overview       | <a href="#">Mini-Fit Jr.™ Power Connectors</a>                                                                                                                                                                                             |
| Product Name   | Mini-Fit Jr.™                                                                                                                                                                                                                              |
| UPC            | 800756773056                                                                                                                                                                                                                               |

**Physical**

|                               |                 |
|-------------------------------|-----------------|
| Breakaway                     | No              |
| Circuits (maximum)            | 6               |
| Color - Resin                 | Black           |
| Flammability                  | 94V-0           |
| Gender                        | Plug            |
| Glow-Wire Compliant           | Yes             |
| Keying to Mating Part         | None            |
| Lock to Mating Part           | Yes             |
| Material - Resin              | Nylon           |
| Net Weight                    | 1.427/g         |
| 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             |
| Ports                         | 1               |
| Stackable                     | No              |
| Temperature Range - Operating | -40°C to +105°C |

**Electrical**

|                               |     |
|-------------------------------|-----|
| Current - Maximum per Contact | 13A |
|-------------------------------|-----|

**Material Info**

|                 |               |
|-----------------|---------------|
| Old Part Number | 5559-06P1-225 |
|-----------------|---------------|

**Reference - Drawing Numbers**



image - Reference only

Series

**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Low-Halogen Status Low-Halogen**

**China RoHS**



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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**  
[5559Series](#)

**Mates With**  
[5557](#) Receptacle Housing

**Use With**  
[5558](#) Male Terminal

Packaging Specification  
Product Specification  
Sales Drawing  
Test Summary

PK-5559-002  
PS-45750-001, PS-5556-001  
SD-5559-425  
TS-5556-002

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