

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0455860005](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Family Power Connectors  
**Description:** Mini-Fit Jr. Header, Dual Row, Right-Angle, Third Generation Polarization Type for PCIe Applications, 8 Circuits, UL 94V-0, 0.76µm Select Gold (Au) Plating, Black, Tray

**Documents:**

|  |   |
|--|---|
| <a href="#">3D Model</a>                                     | <a href="#">Packaging Specification PK-5569-003-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                               | <a href="#">Test Summary TS-5556-002-001 (PDF)</a>            |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Test Summary TS-5569-001-001 (PDF)</a>            |
| <a href="#">Product Specification PS-45558-001-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>          |
| <a href="#">Product Specification PS-5556-001-001 (PDF)</a>  |   |

**Agency Certification**

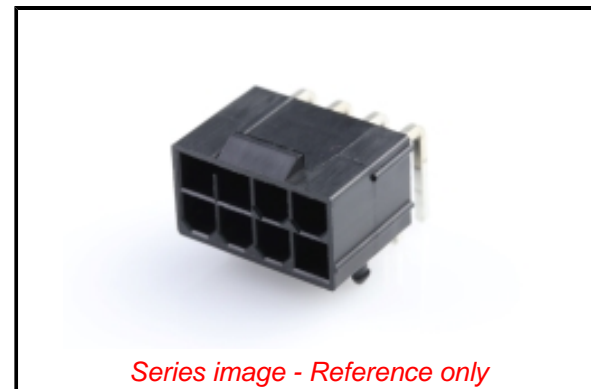
UL E29179

**General**

|                       |  |
|-----------------------|--|
| Product Family        | PCB Headers                                      |
| Series                | 45586  |
| Application           | Power, Wire-to-Board                             |
| Overview              | <a href="#">Mini-Fit Family Power Connectors</a> |
| Packaging Alternative | 455860006 (Tape and Reel)                        |
| Product Name          | Mini-Fit Jr.                                     |
| Taxonomy              | PCB Headers and Receptacles                      |
| UPC                   | 191128446396                                     |

**Physical**

|                                |             |
|--------------------------------|-------------|
| Breakaway                      | No          |
| Circuits (Loaded)              | 8           |
| Circuits (maximum)             | 8           |
| Color - Resin                  | Black       |
| Durability (mating cycles max) | 30          |
| 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      | Gold        |
| Material - Plating Termination | Tin         |
| Material - Resin               | Nylon       |
| Net Weight                     | 2.914/g     |
| Number of Rows                 | 2           |
| Orientation                    | Right Angle |
| PC Tail Length                 | 3.50mm      |
| PCB Locator                    | No          |
| PCB Retention                  | Yes         |
| PCB Thickness - Recommended    | 1.78mm max. |
| Packaging Type                 | Tray        |
| Pitch - Mating Interface       | 4.20mm      |
| Pitch - Termination Interface  | 4.20mm      |
| Plating min - Mating           | 0.760µm     |
| Plating min - Termination      | 2.540µm     |
| Polarized to Mating Part       | Yes         |
| Polarized to PCB               | Yes         |
| Shrouded                       | Fully       |
| Stackable                      | No          |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

45586 Series

**Mates With**

Mini-Fit Jr. Receptacle Housing [455870004](#)

Temperature Range - Operating -40° to +105°C  
Termination Interface: Style Through Hole

**Electrical**

Current - Maximum per Contact 9.0A  
Voltage - Maximum 600V AC (RMS)/DC

**Solder Process Data**

Duration at Max. Process Temperature (seconds) 005  
Lead-free Process Capability WAVE  
Max. Cycles at Max. Process Temperature 001  
Process Temperature max. C 240

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification PK-5569-003-001  
Product Specification PS-45558-001-001, PS-5556-001-001  
Sales Drawing 455860000-SD-000  
Test Summary TS-5556-002-001, TS-5569-001-001

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