



**Part Number :** [39295243](#)  
**Product Description :** Mini-Fit Jr. Header, Dual Row, Right-Angle, with PCB Mounting Flange, 24 Circuits, PA Polyamide Nylon 6/6 94V-2, .0.76µm Gold (Au) Plating  
**Series Number :** 5569  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Engineering Number :** 5569-24AG1



## Documents & Resources

### Drawings

[039295243 sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

### Specifications

[PS-45750-001-001.pdf](#)

[PS-5556-001-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                           |
|--------------------|-----------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 34; 33                                                                       |
| China RoHS         |  per SJ/T 11365-2006 |
| EU ELV             | Not Relevant                                                                                              |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                                            |
| REACH SVHC         | Not Contained per D(2025)4165-DC (25 June 2025)                                                           |
| EU RoHS            | Compliant per EU 2015/863                                                                                 |

### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

### Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

### Substances of Interest

- PFAS

### EU RoHS Certificate of Compliance

### Additional Product Compliance Information

---

## Part Details

### General

|                |                                                                                                                                                                                                                                          |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                                                                                                                                   |
| Category       | PCB Headers and Receptacles                                                                                                                                                                                                              |
| Series         | 5569                                                                                                                                                                                                                                     |
| Description    | Mini-Fit Jr. Header, Dual Row, Right-Angle, with PCB Mounting Flange, 24 Circuits, PA Polyamide Nylon 6/6 94V-2, .0.76µm Gold (Au) Plating                                                                                               |
| Application    | Power, Wire-to-Board                                                                                                                                                                                                                     |
| Comments       | Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 Mini-Fit Plus HCS Crimp Terminal Crimped to 16 AWG wire. See Molex Product specification PS-5556-001 for additional current de-rating information. |
| Component Type | PCB Header                                                                                                                                                                                                                               |
| Product Name   | Mini-Fit Jr.                                                                                                                                                                                                                             |
| UPC            | 800754239653                                                                                                                                                                                                                             |

## Agency

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

## Electrical

|                               |       |
|-------------------------------|-------|
| Current - Maximum per Contact | 13.0A |
| Voltage - Maximum             | 600V  |

## Physical

|                                |             |
|--------------------------------|-------------|
| Breakaway                      | No          |
| Circuits (Loaded)              | 24          |
| Circuits (maximum)             | 24          |
| Color - Resin                  | Natural     |
| Durability (mating cycles max) | 30          |
| First Mate / Last Break        | No          |
| Flammability                   | 94V-2       |
| 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                     | 8.419/g     |
| Number of Rows                 | 2           |
| Orientation                    | Right Angle |
| Packaging Type                 | Bag         |
| PCB Locator                    | Yes         |
| PCB Retention                  | Yes         |
| PCB Thickness - Recommended    | 1.78mm      |
| Pitch - Mating Interface       | 4.20mm      |
| Pitch - Termination Interface  | 4.20mm      |
| Plating min - Mating           | 0.762µm     |
| Plating min - Termination      | 2.540µm     |
| Polarized to Mating Part       | Yes         |

|                               |                |
|-------------------------------|----------------|
| Polarized to PCB              | Yes            |
| Shrouded                      | Fully          |
| Stackable                     | No             |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style   | Through Hole   |

### Solder Process Data

|                              |      |
|------------------------------|------|
| Max-Duration                 | 5    |
| Lead-Free Process Capability | WAVE |
| Max-Cycle                    | 1    |
| Max-Temp                     | 260  |

---

### Mates With / Use With

#### Mates with Part(s)

| Description                                                   | Part Number   |
|---------------------------------------------------------------|---------------|
| Mini-Fit Jr. Receptacle Housings                              | <u>5557</u>   |
| Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Receptacle Housings | <u>172708</u> |

---

This document was generated on Sep 24, 2025