



**Part Number :** [50361817](#)

**Product Description :** Mini-Fit Jr. Header, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 14 Circuits, Nylon 6/6 94V-2, 2.54µm Matte Tin (Sn) Plating, Natural, Tray

**Series Number :** 5569

**Status :** Active

**Product Category :** PCB Headers and Receptacles

**Engineering Part Number :** 5569-14A2S-T



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## Documents and Resources

### Drawings

[050361817\\_sd.pdf](#)

[PK-5569-003-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

### Specifications

[AS-5557-001-001.pdf](#)

[55690000-AS-000.pdf](#)

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

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

[TS-5556-002-001.pdf](#)

[TS-5569-001-001.pdf](#)

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## Product Environment Compliance

### Compliance

|            |                                                                                                         |
|------------|---------------------------------------------------------------------------------------------------------|
| GADSL/IMDS | Compliant with Exemption 44; 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)7771-DC (04 Feb 2026) |
| 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 Snap-in Plastic Peg PCB Lock, 14 Circuits, Nylon 6/6 94V-2, 2.54µm Matte Tin (Sn) Plating, Natural, Tray                                                                                |
| 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            | 883906211103 |

## Agency

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

## Electrical

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 13.0A            |
| Voltage - Maximum             | 600V AC (RMS)/DC |

## 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 Capable              | No          |
| Guide to Mating Part           | No          |
| Keying to Mating Part          | None        |
| Lock to Mating Part            | Yes         |
| Material - Metal               | Brass       |
| Material - Plating Mating      | Matte Tin   |
| Material - Plating Termination | Matte Tin   |
| Material - Resin               | Nylon       |
| Net Weight                     | 5.034/g     |
| Number of Rows                 | 2           |
| Orientation                    | Right Angle |
| Packaging Type                 | Tray        |
| PCB Locator                    | Yes         |
| PCB Retention                  | Yes         |
| PCB Thickness - Recommended    | 1.78mm      |

|                               |                |
|-------------------------------|----------------|
| PC Tail Length                | 3.60mm         |
| Pitch - Mating Interface      | 4.20mm         |
| Pitch - Termination Interface | 4.20mm         |
| Plating min - Mating          | 2.540µm        |
| 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                     | 240  |

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## 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> |