



**Part Number :** [39301040](#)

**Product Description :** Mini-Fit Jr. Header, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 4 Circuits, Nylon 6/6 94V-2, 2.54µm Matte Tin (Sn) Plating, Natural, Bag

**Series Number :** 5569

**Status :** Active

**Product Category :** PCB Headers and Receptacles

**Engineering Part Number :** 5569-04A2



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## Documents and Resources

### Drawings

[039301040\\_sd.pdf](#)

[SPK-5569-NA2-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

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

[SYM-39-30-1040-001.zip](#)

### Specifications

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

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

[PK-5569-002-001.pdf](#)

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

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

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

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## Product Environment Compliance

### Compliance

|            |                                                                                                         |
|------------|---------------------------------------------------------------------------------------------------------|
| GADSL/IMDS | Compliant with Exemption 44                                                                             |
| 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, 4 Circuits, Nylon 6/6 94V-2, 2.54µm Matte Tin (Sn) Plating, Natural, Bag                                                   |
| 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            | 800753629356                   |

## Agency

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

## Electrical

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

## Physical

|                                |             |
|--------------------------------|-------------|
| Breakaway                      | No          |
| Circuits (Loaded)              | 4           |
| Circuits (maximum)             | 4           |
| 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          | No          |
| Lock to Mating Part            | Yes         |
| Material - Metal               | Brass       |
| Material - Plating Mating      | Matte Tin   |
| Material - Plating Termination | Matte Tin   |
| Material - Resin               | Nylon       |
| Net Weight                     | 1.557/g     |
| Number of Rows                 | 2           |
| Orientation                    | Right Angle |
| Packaging Type                 | Bag         |
| 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                      | Shrouded       |
| 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-to-Mini-Fit TPA2 Off-the-Shelf (OTS) Cable Assemblies          | <u>45135</u>  |
| Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Receptacle Housings                | <u>172708</u> |
| Mini-Fit Jr.-to-Mini-Fit Jr. Off-the-Shelf (OTS) Overmolded Cable Assemblies | <u>245135</u> |

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