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Part Number:

39-29-0243

Status:

Active

Overview:

Mini-Fit Jr.™

Description:

4.20mm Pitch Mini-Fit Jr.™ Header, Dual Row, Vertical, without Snap-in Plastic Peg  
PCB Lock, 24 Circuits, PA Polyamide Nylon 6/6 94V-2, 0.76µm Gold (Au) Selective  
Plating, without Drain Holes



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-5556-001 \(PDF\)](#)
- [Packaging Specification PK-5566-003 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

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

General

|                |                                                                                                                                                                                                                                                                                                                         |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Family | PCB Headers                                                                                                                                                                                                                                                                                                             |
| Series         | 5566                                                                                                                                                                                                                                                                                                                    |
| Application    | Power, Wire-to-Board                                                                                                                                                                                                                                                                                                    |
| Comments       | The 5566 header should be used with standard Mini-Fit® female terminals. If increased amperage of up to 13A per circuit is needed, please consider using the Mini-Fit® Plus HCS family 45750 terminals with 46015 headers; . See Molex product specification PS-45750-001 for additional current de-rating information. |
| Overview       | <a href="#">Mini-Fit Jr.™</a>                                                                                                                                                                                                                                                                                           |
| Product Name   | Mini-Fit Jr.™                                                                                                                                                                                                                                                                                                           |
| UPC            | 800754253451                                                                                                                                                                                                                                                                                                            |

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 Compliant            | 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                     | 6240.812/mg |
| Number of Rows                 | 2           |
| Orientation                    | Vertical    |
| PC Tail Length                 | 3.50mm      |
| PCB Locator                    | Yes         |
| PCB Retention                  | None        |
| PCB Thickness - Recommended    | 1.60mm      |
| Packaging Type                 | Tray        |
| Pitch - Mating Interface       | 4.20mm      |

EU RoHS

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

China RoHS



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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

5566Series

Mates With

5557 Mini-Fit Jr.™ Receptacle Housing

Use With

5556 Mini-Fit® Crimp Terminal

|                                |                 |
|--------------------------------|-----------------|
| 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              |
| Surface Mount Compatible (SMC) | No              |
| Temperature Range - Operating  | -40°C to +105°C |
| Termination Interface: Style   | Through Hole    |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 13A  |
| Voltage - Maximum             | 600V |

**Solder Process Data**

|                                                |                        |
|------------------------------------------------|------------------------|
| Duration at Max. Process Temperature (seconds) | 5                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |
| Max. Cycles at Max. Process Temperature        | 1                      |
| Process Temperature max. C                     | 260                    |

**Material Info**

|                 |            |
|-----------------|------------|
| Old Part Number | 5566-24AGS |
|-----------------|------------|

**Reference - Drawing Numbers**

|                         |             |
|-------------------------|-------------|
| Packaging Specification | PK-5566-003 |
| Product Specification   | PS-5556-001 |
| Sales Drawing           | SD-5566-002 |

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