

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0039300160

Status:

Active

Overview:

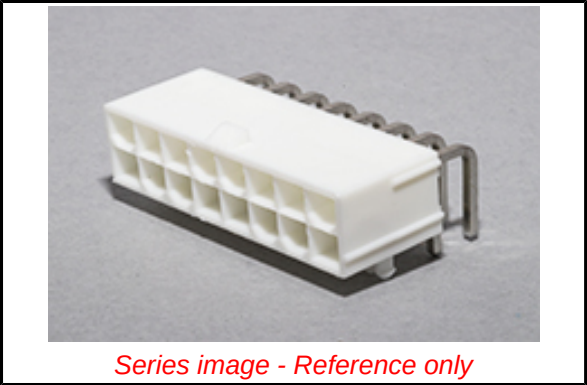
Mini-Fit Jr. Power Connectors

Description:

Mini-Fit Jr. Header, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 16 Circuits, PA Polyamide Nylon 6/6 94V-0, 2.54µm Matte Tin (Sn) Plating

|                                                              |                                                                 |
|--------------------------------------------------------------|-----------------------------------------------------------------|
| Documents:                                                   |                                                                 |
| <a href="#">3D Model</a>                                     | <a href="#">Application Specification AS-5557-001-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification PK-5569-002-001 (PDF)</a>   |
| <a href="#">3D Model (PDF)</a>                               | <a href="#">Test Summary TS-5556-002-001 (PDF)</a>              |
| <a href="#">Product Specification PS-45750-001-001 (PDF)</a> | <a href="#">Symbol Footprint Data SYM-39-30-1160 (PDF)</a>      |
| <a href="#">Product Specification PS-5556-001-001 (PDF)</a>  | <a href="#">RoHS Certificate of Compliance (PDF)</a>            |
| <a href="#">Product Specification PS-5557-045-001 (PDF)</a>  |                                                                 |

|                                |                                                                                                                                                                                                                                           |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Agency Certification           |                                                                                                                                                                                                                                           |
| CSA                            | LR19980                                                                                                                                                                                                                                   |
| UL                             | E29179                                                                                                                                                                                                                                    |
| General                        |                                                                                                                                                                                                                                           |
| Product Family                 | PCB Headers                                                                                                                                                                                                                               |
| Series                         | 5569                                                                                                                                                                                                                                      |
| 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. |
| Overview                       | <a href="#">Mini-Fit Jr. Power Connectors</a>                                                                                                                                                                                             |
| Product Name                   | Mini-Fit Jr.                                                                                                                                                                                                                              |
| UPC                            | 800754378581                                                                                                                                                                                                                              |
| Physical                       |                                                                                                                                                                                                                                           |
| Breakaway                      | No                                                                                                                                                                                                                                        |
| Circuits (Loaded)              | 16                                                                                                                                                                                                                                        |
| Circuits (maximum)             | 16                                                                                                                                                                                                                                        |
| Color - Resin                  | Natural                                                                                                                                                                                                                                   |
| Durability (mating cycles max) | 30                                                                                                                                                                                                                                        |
| First Mate / Last Break        | No                                                                                                                                                                                                                                        |
| 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      | Matte Tin                                                                                                                                                                                                                                 |
| Material - Plating Termination | Matte Tin                                                                                                                                                                                                                                 |
| Material - Resin               | Nylon                                                                                                                                                                                                                                     |
| Net Weight                     | 5.803/g                                                                                                                                                                                                                                   |
| Number of Rows                 | 2                                                                                                                                                                                                                                         |
| Orientation                    | Right Angle                                                                                                                                                                                                                               |
| PCB Locator                    | Yes                                                                                                                                                                                                                                       |
| PCB Retention                  | Yes                                                                                                                                                                                                                                       |
| PCB Thickness - Recommended    | 1.78mm                                                                                                                                                                                                                                    |
| Packaging Type                 | Bag                                                                                                                                                                                                                                       |
| Pitch - Mating Interface       | 4.20mm                                                                                                                                                                                                                                    |
| Pitch - Termination Interface  | 4.20mm                                                                                                                                                                                                                                    |
| Plating min - Mating           | 2.540µm                                                                                                                                                                                                                                   |



Series image - Reference only

|                                                               |               |
|---------------------------------------------------------------|---------------|
| EU ELV                                                        |               |
| Not Relevant                                                  |               |
| EU RoHS                                                       | China RoHS    |
| Compliant                                                     |               |
| REACH SVHC                                                    |               |
| Not Contained Per - D(2020)4578-DC (25 June 2020)             |               |
| Halogen-Free                                                  |               |
| Status                                                        |               |
| Low-Halogen                                                   |               |
| For more information, please visit <a href="#">Contact US</a> |               |
| China ROHS                                                    | Green Image   |
| ELV                                                           | Not Relevant  |
| RoHS Phthalates                                               | Not Contained |

Search Parts in this Series

5569 Series

Mates With

5557 Mini-Fit Jr. Receptacle Housing, Mini-Fit TPA2 Receptacle Housing 172708

|                                                |                                                       |
|------------------------------------------------|-------------------------------------------------------|
| 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° to +105°C                                        |
| Termination Interface: Style                   | Through Hole                                          |
| <b>Electrical</b>                              |                                                       |
| Current - Maximum per Contact                  | 13.0A                                                 |
| Voltage - Maximum                              | 600V                                                  |
| <b>Solder Process Data</b>                     |                                                       |
| Duration at Max. Process Temperature (seconds) | 005                                                   |
| Lead-freeProcess Capability                    | WAVE                                                  |
| Max. Cycles at Max. Process Temperature        | 001                                                   |
| Process Temperature max. C                     | 240                                                   |
| <b>Material Info</b>                           |                                                       |
| Engineering Number                             | 5569-16A2-210                                         |
| <b>Reference - Drawing Numbers</b>             |                                                       |
| Application Specification                      | AS-5557-001-001                                       |
| Packaging Specification                        | PK-5569-002-001                                       |
| Product Specification                          | PS-45750-001-001, PS-5556-001-001,<br>PS-5557-045-001 |
| Sales Drawing                                  | 55690002-SD-000                                       |
| Symbol/Footprint Data                          | SYM-39-30-1160                                        |
| Test Summary                                   | TS-5556-002-001                                       |

This document was generated on 07/14/2020

PLEASE CHECK [WWW.MOLEX.COM](http://WWW.MOLEX.COM) FOR LATEST PART INFORMATION