

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0039012081](#)
Status: **Active**
Overview: Mini-Fit Family Power Connectors
Description: Mini-Fit Jr. Plug Housing, Dual Row, 8 Circuits, UL 94V-2, with Panel Mounting Ears, Natural

Documents:

| | |
|--|---|
| Drawing (PDF) | Application Specification 55560001-AS-000 (PDF) |
| 3D Model | Application Specification AS-5557-001-001 (PDF) |
| 3D Model (PDF) | Packaging Specification PK-5559-001-001 (PDF) |
| Product Specification PS-45750-001-001 (PDF) | Test Summary 55560010-TS-000 (PDF) |
| Product Specification PS-5556-001-001 (PDF) | RoHS Certificate of Compliance (PDF) |

Agency Certification

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

General

| | |
|----------------|--|
| Product Family | Crimp Housings |
| Series | 5559 |
| Application | Power, Wire-to-Board, Wire-to-Wire |
| Comments | Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 series terminals crimped to 16 AWG wire. . See Molex product specification PS-45750-001 for additional current derating information. |
| Overview | Mini-Fit Family Power Connectors |
| Product Name | Mini-Fit Jr. |
| Taxonomy | Connector Housings |
| UPC | 800753584341 |

Physical

| | |
|-------------------------------|----------------|
| Breakaway | No |
| Circuits (maximum) | 8 |
| Color - Resin | Natural |
| Flammability | 94V-2 |
| Gender | Plug |
| Glow-Wire Capable | No |
| Material - Resin | Nylon |
| Net Weight | 2.757/g |
| Number of Rows | 2 |
| Packaging Type | Bag |
| Panel Mount | Yes |
| Pitch - Mating Interface | 4.20mm |
| Pitch - Termination Interface | 4.20mm |
| Polarized to Mating Part | Yes |
| Stackable | No |
| Temperature Range - Operating | -40° to +105°C |

Electrical

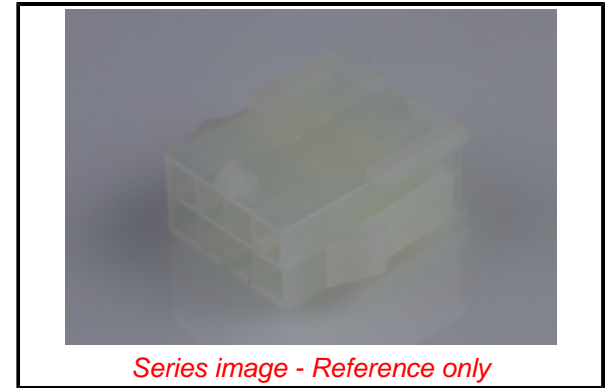
| | |
|-------------------------------|-------|
| Current - Maximum per Contact | 13.0A |
|-------------------------------|-------|

Material Info

| | |
|--------------------|----------|
| Engineering Number | 5559-08P |
|--------------------|----------|

Reference - Drawing Numbers

| | |
|---------------------------|----------------------------------|
| Application Specification | 55560001-AS-000, AS-5557-001-001 |
| Packaging Specification | PK-5559-001-001 |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2022)4187-DC (10
June 2022)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[5559](#) Series

Mates With

Mini-Fit Jr. Receptacle Housing [5557](#)

Mini-Fit Jr. TPA Cable Assembly [45135](#)

Mini-Fit Jr. Cable Assembly [245135](#)

Use With

Mini-Fit Male Crimp Terminals [5558](#)

Mini-Fit Plus HCS Crimp Terminals
[46012](#)
Mini-Fit Jr. Grounding Pin [30490](#)

Mini-Fit Pre-Crimped Leads [797580005](#)
 , [797580013](#)

Product Specification
Sales Drawing
Test Summary

PS-45750-001-001, PS-5556-001-001
55590020-SD-000
55560010-TS-000

This document was generated on 09/23/2022

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION