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Part Number: [0469911008](#)

Status: **Active**

Overview: [Mini-Fit Family Power Connectors](#)

Description: Mini-Fit Jr. Reflow Solder Capable Header, Right-Angle, Dual Row, 8 Circuits, without Mounting Peg, Tin (Sn) Over Nickel (Ni) Plating, Glow-Wire Capable

Documents:

[Drawing \(PDF\)](#)

[3D Model](#)

[3D Model \(PDF\)](#)

[Product Specification 55560004-PS-CH-000 \(PDF\)](#)

[Product Specification 55560004-PS-ES-000 \(PDF\)](#)

[Product Specification 55560004-PS-SK-000 \(PDF\)](#)

[Product Specification PS-45750-001-001 \(PDF\)](#)

[Product Specification PS-5556-004-001 \(PDF\)](#)

[Packaging Specification PK-5569-003-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

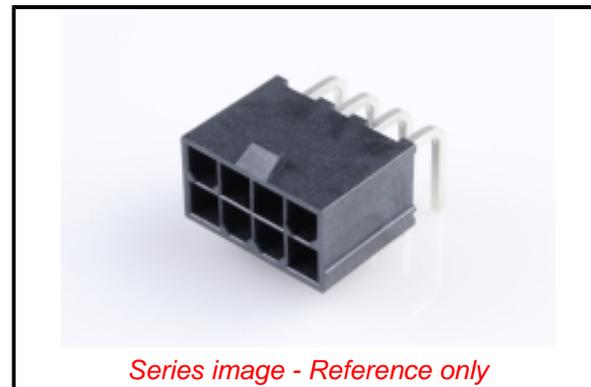
General

Product Family PCB Headers
Series [46991](#)
Application Board-to-Board, 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-45750-001 for additional current de-rating information. This Molex product is manufactured from material that has the following ratings, tested by independent agencies: a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13. b) A Glow Wire Flammability Index (GWFI) above 850 deg C per IEC 60695-2-12 and hence complies with the requirements set out in the International Standard IEC 60335-1 5th edition - household and similar electrical appliances - safety; section 30 Resistance to heat and fire. The customers using this product must determine its suitability for use in their particular application through testing or other acceptable means as described in end-product glow-wire flammability test standard IEC 60695-2-11 and any applicable product end-use standard(s). If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options.

Overview [Mini-Fit Family Power Connectors](#)
Product Name Mini-Fit Jr.
Taxonomy PCB Headers and Receptacles
UPC 883906758691

Physical

Breakaway No
Circuits (Loaded) 8
Circuits (maximum) 8
Color - Resin Black
Durability (mating cycles max) 75
First Mate / Last Break No
Flammability 94V-0
Glow-Wire Capable Yes



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 | Green Image |
| ELV | Not Relevant |
| RoHS Phthalates | Not Contained |

Search Parts in this Series

[46991 Series](#)

Mates With

[5557 Mini Fit Jr. Receptacle](#), [172708 Mini-Fit TPA2 Receptacle Housing](#)

| | |
|--|---|
| Guide to Mating Part | No |
| Lock to Mating Part | Yes |
| Material - Metal | Brass |
| Material - Plating Mating | Matte Tin |
| Material - Plating Termination | Matte Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 3.514/g |
| Number of Rows | 2 |
| Orientation | Right Angle |
| PC Tail Length | 3.30mm |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.78mm |
| Packaging Type | Tray |
| Pitch - Mating Interface | 4.20mm |
| Pitch - Termination Interface | 4.20mm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Shrouded | Fully |
| Stackable | No |
| Surface Mount Compatible (SMC) | Yes |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface: Style | Through Hole |
| Electrical | |
| Current - Maximum per Contact | 13.0A |
| Voltage - Maximum | 600V AC (RMS)/DC |
| Solder Process Data | |
| Duration at Max. Process Temperature (seconds) | 030 |
| Lead-free Process Capability | SMC&WAVE |
| Max. Cycles at Max. Process Temperature | 001 |
| Process Temperature max. C | 260 |
| Material Info | |
| Reference - Drawing Numbers | |
| Packaging Specification | PK-5569-003-001 |
| Product Specification | 55560004-PS-CH-000, 55560004-PS-ES-000, 55560004-PS-SK-000, PS-45750-001-001, PS-5556-004-001 |
| Sales Drawing | SD-46991-001-000 |

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