

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0469911008](#)

Status: **Active**

Overview: [Mini-Fit Jr. 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

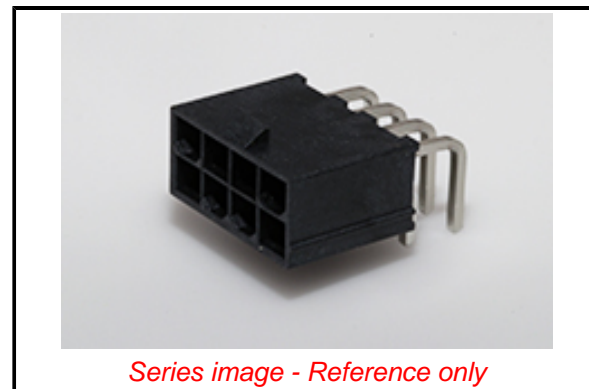
General

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 Jr. Power Connectors](#)
Product Name Mini-Fit Jr.
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(2020)9139-DC (19
Jan 2021)

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

This document was generated on 03/25/2021

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION