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Part Number: [0469911010](#)
Status: **Active**
Overview: [Mini-Fit Family Power Connectors](#)
Description: Mini-Fit Jr. Reflow Solder Capable Header, Right-Angle, Dual Row, 10 Circuits, without Mounting Peg, Tin (Sn) Over Nickel (Ni) Plating, Glow-Wire Capable

Documents:

3D Model	Product Specification 55560004-PS-SK-000 (PDF)
3D Model (PDF)	Product Specification PS-45750-001-001 (PDF)
Drawing (PDF)	Product Specification PS-5556-004-001 (PDF)
Product Specification 55560004-PS-CH-000 (PDF)	Packaging Specification PK-5569-003-001 (PDF)
Product Specification 55560004-PS-ES-000 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

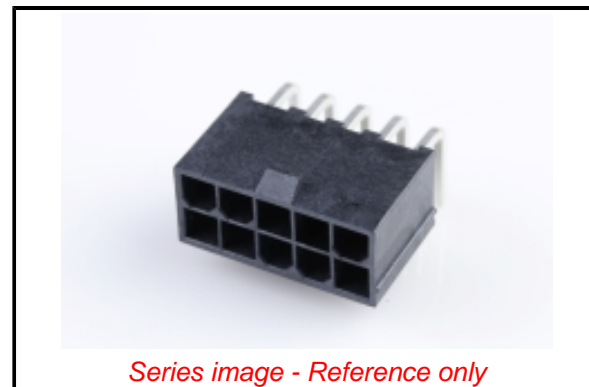
CSA	LR19980
UL	E29179

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.
UPC	883906760038

Physical

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
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(2021)4569-DC (8
July 2021)

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

[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	4.196/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 09/13/2021

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