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**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:**

<a href="#">Drawing (PDF)</a>	<a href="#">Product Specification 55560004-PS-SK-000 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Product Specification PS-45750-001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Product Specification PS-5556-004-001 (PDF)</a>
<a href="#">Product Specification 55560004-PS-CH-000 (PDF)</a>	<a href="#">Packaging Specification PK-5569-003-001 (PDF)</a>
<a href="#">Product Specification 55560004-PS-ES-000 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

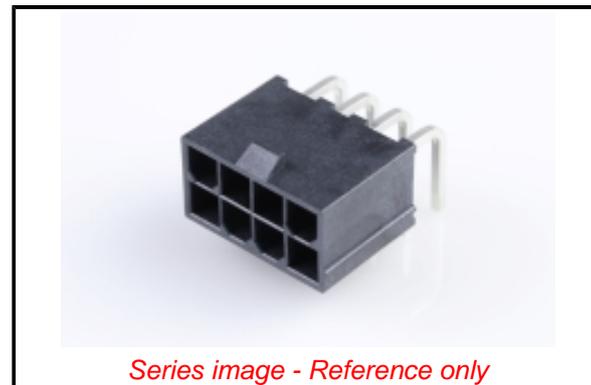
CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">46991</a>
Application	Board-to-Board, Power, Wire-to-Board
Comments	Current = 13A max. per circuit when header is mated to a receptacle loaded with <a href="#">45750</a> 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	<a href="#">Mini-Fit Jr. Power Connectors</a>
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**

Contained Per -  
D(2021)4569-DC (8 July 2021)  
Dibutylbis(pentane-2,4-dionato-O,O')tin  
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3, Phenol, 2-(2H-benzotriazol-2-yl)-4,6-bis(1,1-dim Ammonium-pentadecafluorooctanoate  
C.I. Direct Black 38  
Dibutyltin-dichloride  
1,2-diethoxyethane  
1,2-Benzenedicarboxylic acid, bis(3-methylbutyl)  
Disodium 3,3'-[[1,1'-Biphenyl]-4,4'-Diylbis(Azo) Octamethylcyclotetrasiloxane  
Decamethylcyclopentasiloxane  
Dodecamethylcyclohexasiloxane  
Octanoic acid,  
2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pen  
Benzo(ghi)perylene  
Dipentyl phthalate  
2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol  
Perfluorohexane-1-sulphonic acid and its salts

**China RoHS**

Guide to Mating Part	No	Perfluorononan-1-
Lock to Mating Part	Yes	oic acid
Material - Metal	Brass	(2,2,3,3,4,4,5,5,6,6,7
Material - Plating Mating	Matte Tin	Diocetyl tin dilaurate,
Material - Plating Termination	Matte Tin	stannane, dioctyl-,
Material - Resin	High Temperature Thermoplastic	bis(co
Net Weight	3.514/g	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
Number of Rows	2	Pyrene
Orientation	Right Angle	Fluoranthene
PC Tail Length	3.30mm	Perfluorobutane
PCB Locator	Yes	sulfonic acid (PFBS)
PCB Retention	Yes	and its sal
PCB Thickness - Recommended	1.78mm	Tris(4-nonylphenyl,
Packaging Type	Tray	branched and linear)
Pitch - Mating Interface	4.20mm	phosphi
Pitch - Termination Interface	4.20mm	Nonadecafluorodecanoic
Polarized to Mating Part	Yes	acid (PFDA) and its
Polarized to PCB	Yes	sodiu
Shrouded	Fully	Zirconia
Stackable	No	Aluminosilicate
Surface Mount Compatible (SMC)	Yes	Refractory Ceramic
Temperature Range - Operating	-40° to +105°C	Fibr
Termination Interface: Style	Through Hole	1,2-
<b>Electrical</b>		Benzenedicarboxylic
Current - Maximum per Contact	13.0A	acid, dipentyl ester, br
Voltage - Maximum	600V AC (RMS)/DC	diisohexyl phthalate
<b>Solder Process Data</b>		1,2-
Duration at Max. Process Temperature (seconds)	030	Benzenedicarboxylic
Lead-free Process Capability	SMC&WAVE	acid, dihexyl ester,
Max. Cycles at Max. Process Temperature	001	bra
Process Temperature max. C	260	2-(2H-Benzotriazol-2-
<b>Material Info</b>		yl)-4-(tert-butyl)-6-
<b>Reference - Drawing Numbers</b>		(sec-b
Packaging Specification	PK-5569-003-001	2-(2H-Benzotriazol-2-
Product Specification	55560004-PS-CH-000, 55560004-PS-ES-000, 55560004-PS-SK-000, PS-45750-001-001, PS-5556-004-001	yl)-4,6-
Sales Drawing	SD-46991-001-000	ditertpentylphenol
		Cadmium
		Lead
		Lead(II,IV)-oxide
		Cadmium-oxide
		Diboron-trioxide
		Decabromodiphenylether
		1,2-bis(2-
		methoxyethoxy)ethane
		1,2-Dimethoxyethane
		bis(2-methoxyethyl)
		ether
		Tris(2-chloroethyl)
		phosphate
		Lead chromate
		molybdate sulfate red
		Lead chromate
		Bis(tributyltin) oxide
		Alkanes, C10-13,
		chloro
		Cobalt-dichloride
		Cadmium
		Dipentyl phthalate
		Imidazolidine-2-thione
		Phenanthrene
		N,N-
		Dimethylformamide
		4-aminoazobenzene
		[Phthalato(2-)]dioxotrilead

Silicic acid (H<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>),  
barium salt (1:1),  
lead-  
Sulfurous Acid, Lead  
Salt, Dibasic  
Cyanamide, lead(2+)  
salt (1:1)  
Lead titanium  
zirconium oxide  
Dioxobis(stearato)trilead  
Tetralead-trioxide-  
sulphate  
Pentalead-tetraoxide-  
sulphate  
Lead-titanium-trioxide  
Lead-dinitrate

**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

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