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Part Number: [0469911024](#)
Status: **Active**
Overview: [Mini-Fit Family Power Connectors](#)
Description: Mini-Fit Jr. Reflow Solder Capable Header, Right-Angle, Dual Row, 24 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

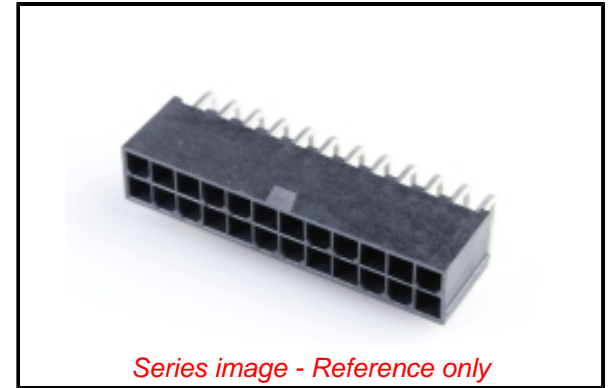
CSA	LR19980
UL	E29179

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	883906760069

Physical

Breakaway	No
Circuits (Loaded)	24
Circuits (maximum)	24
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	9.907/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-
Electrical		Benzenedicarboxylic
Current - Maximum per Contact	13.0A	acid, dipentyl ester, br
Voltage - Maximum	600V AC (RMS)/DC	diisohexyl phthalate
Solder Process Data		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-
Material Info		yl)-4-(tert-butyl)-6-
Reference - Drawing Numbers		(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 (H₂Si₂O₅),
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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