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Part Number:

0469914004

Status:

Active

Overview:

Description:

Mini-Fit Jr. Reflow Solder Capable Header, Right-Angle, Dual Row, 4 Circuits, without Mounting Peg, Tin (Sn) Over Nickel (Ni) Plating, Glow-Wire Capable

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	minifit_power_connector_solutions
Product Name	Mini-Fit Jr.
UPC	884982151529
Physical	
Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Black
Durability (mating cycles max)	75
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	Yes
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	1.915/g

EU ELV	
Not Relevant	
EU RoHS	China 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 Perfluorononan-1- oic acid (2,2,3,3,4,4,5,5,6,6,7 Dioctyltin dilaurate, stannane, dioctyl-, bis(co Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o Pyrene Fluoranthene Perfluorobutane sulfonic acid (PFBS) and its sal	

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	Adhesive Tape on Reel
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-freeProcess Capability	SMC&WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Packaging Specification	708730000-PK-000, PK-46991-001-000
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
Test Summary	TS-46991-001-001

Tris(4-nonylphenyl,
branched and linear)
phosphi
Nonadecafluorodecanoic
acid (PFDA) and its
sodium
Zirconia
Aluminosilicate
Refractory Ceramic
Fiber
1,2-
Benzenedicarboxylic
acid, dipentyl ester, br
diisohexyl phthalate
1,2-
Benzenedicarboxylic
acid, dihexyl ester,
bra
2-(2H-Benzotriazol-2-
yl)-4-(tert-butyl)-6-
(sec-b
2-(2H-Benzotriazol-2-
yl)-4,6-
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
ELV
RoHS Phthalates

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

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