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Part Number: [0039303041](#)
Status: **Active**
Overview: Mini-Fit Jr. Power Connectors
Description: Mini-Fit Jr. Header, Single Row, Right-Angle, with PCB Mounting Flanges, 4 Circuits, PA Polyamide Nylon 6/6, 94V-2, Tin (Sn) Plating

Documents:

3D Model (PDF)	Application Specification AS-5557-001-001 (PDF)
3D Model	Packaging Specification PK-5569-002-001 (PDF)
Drawing (PDF)	Test Summary TS-5556-002-001 (PDF)
Product Specification PS-45750-001-001 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-5556-001-001 (PDF)	

Agency Certification

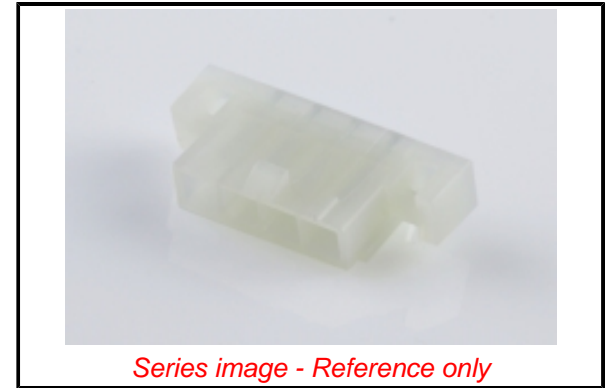
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	5569
Application	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-5556-001 for additional current de-rating information.
Overview	Mini-Fit Jr. Power Connectors
Product Name	Mini-Fit Jr.
UPC	800754380614

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-2
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Matte Tin
Material - Plating Termination	Matte Tin
Material - Resin	Nylon
Net Weight	1.748/g
Number of Rows	1
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.78mm
Packaging Type	Bag
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
Plating min - Mating	2.540µm
Plating min - Termination	2.540µm



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contained Per -
D(2021)4569-DC (8
July 2021)
Benzo(ghi)perylene
Octanoic acid,
2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-
pen
Dodecamethylcyclhexasiloxane
Decamethylcyclpentasiloxane
Octamethylcycltetrasiloxane
Disodium 3,3'-[[1,1'-
Biphenyl]-4,4'-
Diylbis(Azo)
1,2-
Benzenedicarboxylic
acid, bis(3-
methylbutyl)
1,2-diethoxyethane
Dibutyltin-dichloride
C.I. Direct Black 38
Ammonium-
pentadecafluorooctanoate
Phenol, 2-(2H-
benzotriazol-2-yl)-4,6-
bis(1,1-dim
2-ethylhexyl 10-
ethyl-4,4-dioctyl-7-
oxo-8-oxa-3,
Dibutylbis(pentane-2,4-
dionato-O,O')tin
2-(2H-Benzotriazol-2-
yl)-4,6-
ditertpentylphenol
2-(2H-Benzotriazol-2-
yl)-4-(tert-butyl)-6-
(sec-b
1,2-
Benzenedicarboxylic

China RoHS

Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	13.0A
Voltage - Maximum	600V

Solder Process Data

Duration at Max. Process Temperature (seconds)	005
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	240

Material Info

Engineering Number	5569-04A3MS
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Reference - Drawing Numbers

Application Specification	AS-5557-001-001
Packaging Specification	PK-5569-002-001
Product Specification	PS-45750-001-001, PS-5556-001-001
Sales Drawing	55690004-SD-000
Test Summary	TS-5556-002-001

acid, dihexyl ester, bra
 diisohexyl phthalate
 1,2-Benzenedicarboxylic acid, dipentyl ester, br
 Zirconia
 Aluminosilicate
 Refractory Ceramic Fibr
 Nonadecafluorodecanoic acid (PFDA) and its sodiu
 Tris(4-nonylphenyl, branched and linear) phosphi
 Perfluorobutane sulfonic acid (PFBS) and its sal
 Fluoranthene
 Pyrene
 Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
 Dioctyltin dilaurate, stannane, dioctyl-, bis(co
 Perfluorononan-1-oic acid
 (2,2,3,3,4,4,5,5,6,6,7 Perfluorohexane-1-sulphonic acid and its salts
 Dipentyl phthalate
 Cobalt-dichloride
 Alkanes, C10-13, chloro
 Bis(tributyltin) oxide
 Lead chromate
 Lead chromate molybdate sulfate red
 Tris(2-chloroethyl) phosphate
 bis(2-methoxyethyl) ether
 1,2-Dimethoxyethane
 1,2-bis(2-methoxyethoxy)ethane
 Decabromodiphenylether
 Diboron-trioxide
 Cadmium-oxide
 Lead(II,IV)-oxide
 Lead
 Cadmium
 Lead-dinitrate
 Lead-titanium-trioxide
 Pentalead-tetraoxide-sulphate
 Tetralead-trioxide-sulphate
 Dioxobis(stearato)trilead
 Lead titanium zirconium oxide
 Cyanamide, lead(2+) salt (1:1)
 Sulfurous Acid, Lead Salt, Dibasic

Silicic acid (H₂Si₂O₅),
barium salt (1:1),
lead-
[Phthalato(2-)]dioxotrilead
4-aminoazobenzene
N,N-
Dimethylformamide
Phenanthrene
Imidazolidine-2-thione

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

[5569](#) Series

Mates With

Mini-Fit Jr. Receptacle [39014040](#)
Mini-Fit TPA2 Receptacle Housing [172708](#)

Mini-Fit Jr. TPA Cable Assembly [45135](#)

Mini-Fit TPA2 Cable Assembly [145135](#)

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