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Part Number: [0050361787](#)
Status: **Active**
Overview: Mini-Fit Jr. Power Connectors
Description: Mini-Fit Jr. Header, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 8 Circuits, Nylon 6/6 94V-2, 2.54µm Matte Tin (Sn) Plating, Natural, Tray

Documents:

3D Model	Application Specification AS-5557-001-001 (PDF)
3D Model (PDF)	Packaging Specification PK-5569-003-001 (PDF)
Drawing (PDF)	Test Summary TS-5556-002-001 (PDF)
Product Specification PS-45750-001-001 (PDF)	Test Summary TS-5569-001-001 (PDF)
Product Specification PS-5556-001-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

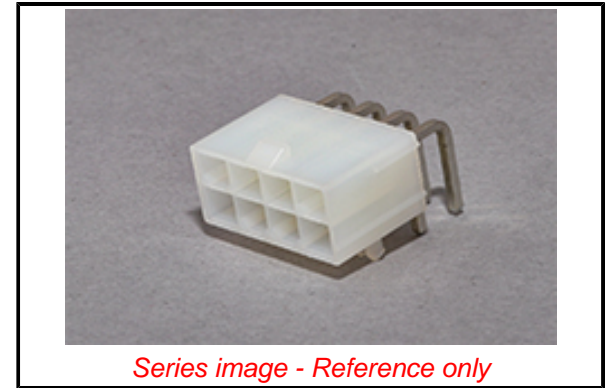
CSA	LR19980
UL	E29179

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	883906211073

Physical

Breakaway	No
Circuits (Loaded)	8
Circuits (maximum)	8
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	2.915/g
Number of Rows	2
Orientation	Right Angle
PC Tail Length	3.60mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.78mm
Packaging Type	Tray
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
Plating min - Mating	2.540µm



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contained Per -
D(2020)4578-DC (25
June 2020)
decamethylcyclotetrasiloxane
benzene-1,2,4-
tricarboxylic acid 1,2-
anhydride
decamethylcyclotetrasiloxane
dodecamethylcyclohexasiloxane
benzene-1,2,4-
tricarboxylic acid 1,2-
anhydride
octamethylcyclotetrasiloxane
disodium 3,3'-[[1,1'-
biphenyl]-4,4'-
diylbis(azo)
dodecamethylcyclohexasiloxane
heptacosafuorotetradecanoic
acid
tricosafuorododecanoic
acid
Dipentyl phthalate
6-methoxy-m-toluidine
1,2-
Benzenedicarboxylic
acid, bis(3-
methylbutyl)
methoxyacetic acid
dibutyltin dichloride
4,4'-methylenedi-o-
toluidine
1-vinylimidazole
1,3-propanesultone
chromium trioxide
disodium 4-
amino-3-[[4'-[(2,4-
diaminophenyl)azo]
henicosafuoroundecanoic
acid

China RoHS

Plating min - Termination	2.540µm
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 AC (RMS)/DC

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	5569-08A2S-T
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Reference - Drawing Numbers

Application Specification	AS-5557-001-001
Packaging Specification	PK-5569-003-001
Product Specification	PS-45750-001-001, PS-5556-001-001
Sales Drawing	55690002-SD-000
Test Summary	TS-5556-002-001, TS-5569-001-001

Silicic acid (H₂Si₂O₅),
 barium salt (1:1),
 lead-
 [phthalato(2-)]dioxotrilead
 Fatty acids, C16-18,
 lead salts
 4-aminoazobenzene
 diethyl sulphate
 dimethyl sulphate
 N-methylacetamide
 dicyclohexyl phthalate
 dihexyl phthalate
 (DnHP)
 dinoseb (ISO)
 butyl 4-
 hydroxybenzoate
 o-toluidine
 4-methyl-m-
 phenylenediamine
 ethylene thiourea
 4-o-tolylazo-o-
 toluidine
 nitrobenzene
 1-bromopropane
 furan
 Zirconia
 Aluminosilicate
 Refractory Ceramic
 Fibr
 Trixylyl phosphate
 4-(1,1,3,3-
 tetramethylbutyl)phenol,
 ethoxylated
 2,3,3,3-tetrafluoro-2-
 (heptafluoropropoxy)propio
 Tris(4-nonylphenyl,
 branched and linear)
 phosphi
 Pyrene
 Cadmium nitrate
 Chrysene
 Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
 Reaction
 products of 1,3,4-
 thiadiazolidine-2,5-d
 Perfluorononan-1-
 oic acid
 (2,2,3,3,4,4,5,5,6,6,7
 4-(1,1,3,3-
 tetramethylbutyl)phenol,
 ethoxylated
 hexahydro-2-
 benzofuran-1,3-dione
 Sodium perborate;
 perboric acid, sodium
 salt
 Cadmium sulphate
 1,2-
 benzenedicarboxylic
 acid, di-C6-10-alkyl
 est
 5-sec-butyl-2-(2,4-
 dimethylcyclohex-3-
 en-1-yl)-5

Perfluorohexane-1-sulphonic acid and its salts
Ammonium-pentadecafluorooctanoate sodium
peroxometaborate
Disodium-octaborate
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
(sec-b
Terphenyl, hydrogenated
1,2-Benzenedicarboxylic acid, dihexyl ester, bra
pentacosafuorotridecanoic acid
1,2-Benzenedicarboxylic acid, dipentyl ester, br
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidi
n-pentyl-isopentylphthalate
1,3-BENZENEDIOL, TRINITRO-, LEAD SALT
Hydrazine
Disodium tetraborate
Boric acid
Aluminosilicate
Refractory Ceramic Fibres
Boric acid, disodium salt, hydrate
Carbonic acid, cobalt(2+) salt (1:1)
Acetic acid, cobalt(2+) salt
Cobalt sulphate
2-ethoxyethyl acetate
1,2-Benzenedicarboxylic acid, di-C7-11-branched
N-methyl-2-pyrrolidone
1,2-Benzenedicarboxylic acid, di-C6-8-branched a
Calcium-arsenate bis(2-methoxyethyl) ether

potassium
hydroxyoctaoxidizincatedichromate(1-)
lead dipicrate
N,N-
dimethylacetamide
arsenic acid
2-methoxyaniline
trilead diarsenate
1,2-dichloroethane
pentazinc chromate
octahydroxide
triethyl arsenate
4,4'-
diaminodiphenylmethane
dibutyl phthalate
(DBP)
bis(2-ethylhexyl)
phthalate (DEHP)
lead hydrogen
arsenate
Butylbenzylphthalate
(BBP)
Anthracene oil,
anthracene paste;
Anthracene Oil
Anthracene oil,
anthracene paste,
anthracene fra
Anthracene oil,
anthracene paste,
distn. lights;
Anthracene oil,
anthracene-low;
Anthracene Oil F
lead chromate
Lead chromate
molybdate sulfate red
Lead sulfochromate
yellow
Tris(2-chloroethyl)
phosphate
ammonium
dichromate
potassium chromate
potassium dichromate
sodium chromate
[4-[[4-anilino-1-
naphthyl]]4-
(dimethylamino)phen
 α,α #Bis[4-
(dimethylamino)phenyl]-4
(phenylamino)
lead
cadmium
Cadmium-fluoride
pyrochlore, antimony
lead yellow
lead dinitrate
cadmium chloride
Silicic acid, lead salt
lead oxide sulfate
pentalead tetraoxide
sulphate
Trilead-dioxide-
phosphonate

tetralead trioxide
sulphate
dioxobis(stearato)trilead
Lead titanium
zirconium oxide
cadmium hydroxide
Acetic acid, lead salt,
basic
Sulfurous acid, lead
salt, dibasic
Formaldehyde,
polymer with
benzenamine
1,2-
Benzenedicarboxylic
acid, bis(2-
methoxyethyl
lead diazide
phenolphthalein
dichromium
tris(chromate)
4,4'-
bis(dimethylamino)benzophenone
1,2-dimethoxyethane
cadmium carbonate
[4-[4,4'-
bis(dimethylamino)
benzhydrylidene]cycl
4,4'-
bis(dimethylamino)-4"-
(methylamino)trityl
bis(pentabromophenyl)
ether
Diboron-trioxide
cadmium oxide (non-
pyrophoric)
cadmium sulphide
orange lead
trilead bis(carbonate)
dihydroxide
Lead oxide
1,3,5-
tris(oxiranylmethyl)-1,3,5-
triazine-2,4,6(

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 Housing [5557](#)

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

Mini-Fit Jr. Cable Assembly [245135](#) ,

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

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