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**Part Number:** [0039300220](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Jr. Power Connectors  
**Description:** Mini-Fit Jr. Header, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 22 Circuits, PA Polyamide Nylon 6/6 94V-0, 2.54µm Matte Tin (Sn) Plating

**Documents:**

<a href="#">3D Model</a>	<a href="#">Application Specification AS-5557-001-001 (PDF)</a>
<a href="#">3D Model (PDF)</a>	<a href="#">Packaging Specification PK-5569-002-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary TS-5556-002-001 (PDF)</a>
<a href="#">Product Specification PS-45750-001-001 (PDF)</a>	<a href="#">Symbol Footprint Data SYM-39-30-1220 (PDF)</a>
<a href="#">Product Specification PS-5556-001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-5557-045-001 (PDF)</a>	

**Agency Certification**

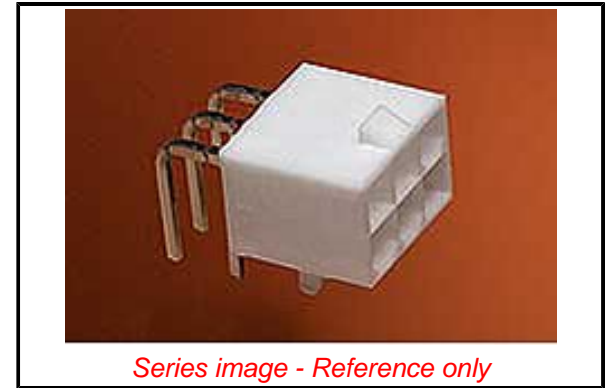
CSA	LR19980
UL	E29179

**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	<a href="#">Mini-Fit Jr. Power Connectors</a>
Product Name	Mini-Fit Jr.
UPC	800753933118

**Physical**

Breakaway	No
Circuits (Loaded)	22
Circuits (maximum)	22
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
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	7.846/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	Bag
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm



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  
di-n-pentyl phthalate  
(DPP)  
6-methoxy-m-toluidine  
diisopentylphthalate  
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 - Mating	2.540µm
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

#### 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	5569-22A2-210
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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, PS-5557-045-001
Sales Drawing	55690002-SD-000
Symbol/Footprint Data	SYM-39-30-1220
Test Summary	TS-5556-002-001

Silicic acid (H<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>),  
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  
ammoniumpentadecafluorooctanoate  
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, dipentylester,  
bra  
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  
tetraboron disodium heptaoxide, hydrate  
cobalt carbonate  
cobalt di(acetate)  
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  
hydroxyoctaoxodizincatedichromate(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  
 $\alpha,\alpha$ #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  
bis(2-methoxyethyl)  
phthalate  
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**

[5557 Mini-Fit Jr. Receptacle Housing, Mini-Fit TPA2 Receptacle Housing](#) [172708](#)

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