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**Part Number:** **0039301080**

**Status:** **Active**

**Overview:** Mini-Fit Family 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, Bag

**Documents:**

[3D Model \(PDF\)](#)

[Drawing \(PDF\)](#)

[3D Model](#)

[Product Specification PS-45750-001-001 \(PDF\)](#)

[Product Specification PS-5556-001-001 \(PDF\)](#)

[Application Specification AS-5557-001-001 \(PDF\)](#)

[Packaging Specification PK-5569-002-001 \(PDF\)](#)

[Packaging Specification SPK-5569-NA2-001 \(PDF\)](#)

[Test Summary TS-5556-002-001 \(PDF\)](#)

[Symbol Footprint Data SYM-39-30-1080-001 \(PDF\)](#)

[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 Family Power Connectors](#)

Product Name Mini-Fit Jr.

UPC 800754379205

**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

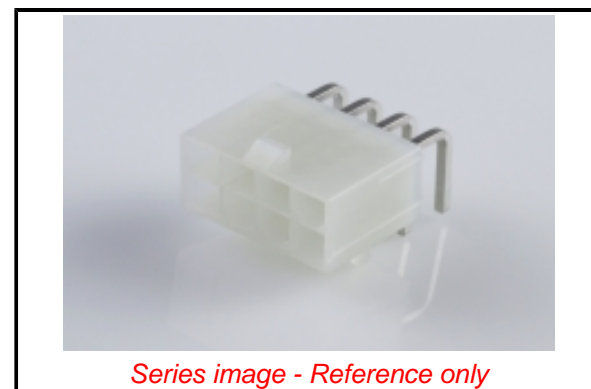
PCB Retention Yes

PCB Thickness - Recommended 1.78mm

Packaging Type 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(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**

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 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	5569-08A2
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#### Reference - Drawing Numbers

Application Specification	AS-5557-001-001
Packaging Specification	PK-5569-002-001, SPK-5569-NA2-001
Product Specification	PS-45750-001-001, PS-5556-001-001
Sales Drawing	55690002-SD-000
Symbol/Footprint Data	SYM-39-30-1080-001
Test Summary	TS-5556-002-001

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  
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 (H<sub>2</sub>Si<sub>2</sub>O<sub>5</sub>),  
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**

[5569](#) Series

**Mates With**

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

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

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

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

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