

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0039300240](#)  
**Status:** **Active**  
**Overview:** Mini-Fit Family Power Connectors  
**Description:** Mini-Fit Jr. Header, Dual Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 24 Circuits, PA Polyamide Nylon 6/6 94V-0, 2.54µm Matte Tin (Sn) Plating

**Documents:**

<a href="#">3D Model (PDF)</a>	<a href="#">Application Specification AS-5557-001-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-5569-002-001 (PDF)</a>
<a href="#">3D Model</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-39-30-1240-001 (PDF)</a>
<a href="#">Product Specification PS-5556-001-001 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>

**Agency Certification**

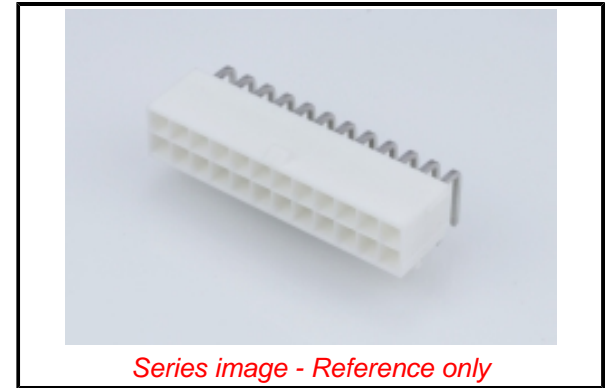
CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">5569</a>
Application	Power, Wire-to-Board
Comments	Current = 13A max. per circuit when header is mated to a receptacle loaded with <a href="#">45750</a> 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 Family Power Connectors</a>
Product Name	Mini-Fit Jr.
UPC	800753933392

**Physical**

Breakaway	No
Circuits (Loaded)	24
Circuits (maximum)	24
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	8.314/g
Number of Rows	2
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)  
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**

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	5569-24A2-210
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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
Sales Drawing	55690002-SD-000
Symbol/Footprint Data	SYM-39-30-1240-001
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  
sodi  
Zirconia  
Aluminosilicate  
Refractory Ceramic  
Fibr  
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**

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

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