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Part Number: [0039291207](#)
Status: **Active**
Overview: Mini-Fit Family Power Connectors
Description: Mini-Fit Jr. Header, Dual Row, Right-Angle, with PCB Mounting Flange, 20 Circuits, PA Polyamide Nylon 6/6 94V-0, Tin (Sn) Plating

Documents:

3D Model (PDF)	Application Specification AS-5557-001-001 (PDF)
3D Model	Packaging Specification 55690001-PK-000 (PDF)
Drawing (PDF)	Packaging Specification PK-5569-002-001 (PDF)
Product Specification PS-45750-001-001 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-5556-001-001 (PDF)	

Agency Certification

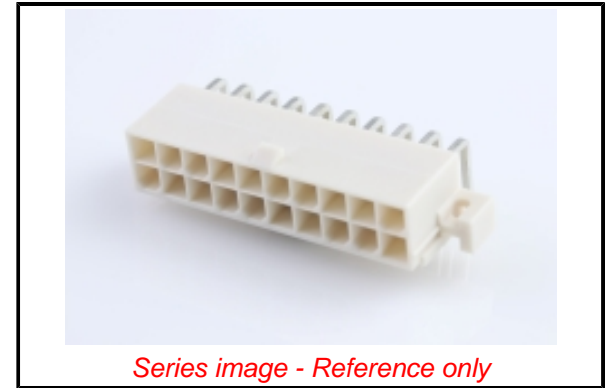
CSA	LR19980
UL	E29179

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 Family Power Connectors
Product Name	Mini-Fit Jr.
UPC	800754207461

Physical

Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
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	7.227/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	260
Material Info	
Engineering Number	5569-20A1-210
Reference - Drawing Numbers	
Application Specification	AS-5557-001-001
Packaging Specification	55690001-PK-000, PK-5569-002-001
Product Specification	PS-45750-001-001, PS-5556-001-001
Sales Drawing	SD-5569-002-000

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
 sodiu
 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 (H₂Si₂O₅),
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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[609-3404](#) [61062-3](#) [622-0430](#) [622-3653LF](#) [63453-116](#) [636-1030](#) [636-1427](#) [636-3427](#) [636-4007](#) [641938-9](#) [641991-4](#) [644827-2](#) [65817-010LF](#)
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