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Part Number: [0469990100](#)
Status: **Active**
Overview: Mini-Fit Family Power Connectors
Description: Mini-Fit Jr. Header, Single Row, Right-Angle, with Snap-in Plastic Peg PCB Lock, 5 Circuits, UL 94V-2, Matte Tin (Sn) Plating, Natural, Bag

Documents:

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

Agency Certification

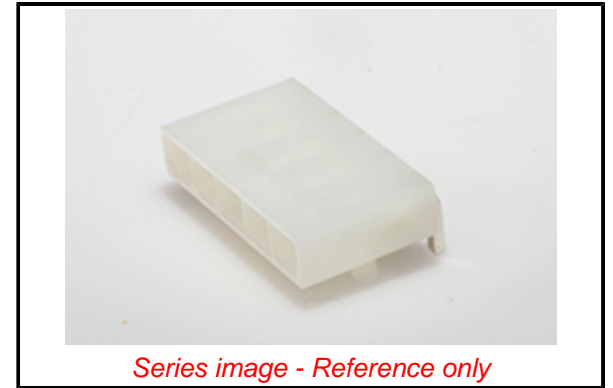
| | |
|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

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-5556001 for additional current de-rating information. |
| Overview | Mini-Fit Family Power Connectors |
| Product Name | Mini-Fit Jr. |
| UPC | 884982589186 |

Physical

| | |
|--------------------------------|-------------|
| Breakaway | No |
| Circuits (Loaded) | 5 |
| Circuits (maximum) | 5 |
| 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 | 1.818/g |
| Number of Rows | 1 |
| 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 |
| Plating min - Mating | 2.540µm |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contained Per -
D(2021)4569-DC (8
July 2021)
Benzo(ghi)perylene
Octanoic acid,
2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-
pen
Dodecamethylcyclhexasiloxane
Decamethylcyclpentasiloxane
Octamethylcycltetrasiloxane
Disodium 3,3'-[[1,1'-
Biphenyl]-4,4'-
Diylbis(Azo)
1,2-
Benzenedicarboxylic
acid, bis(3-
methylbutyl)
1,2-diethoxyethane
Dibutyltin-dichloride
C.I. Direct Black 38
Ammonium-
pentadecafluorooctanoate
Phenol, 2-(2H-
benzotriazol-2-yl)-4,6-
bis(1,1-dim
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
1,2-
Benzenedicarboxylic

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 |

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 | 5569-05A4MS |
|--------------------|-------------|

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 | 55690004-SD-000 |
| Test Summary | TS-5556-002-001 |

acid, dihexyl ester, bra
diisohexyl phthalate
1,2-Benzenedicarboxylic acid, dipentyl ester, br
Zirconia
Aluminosilicate
Refractory Ceramic Fibr
Nonadecafluorodecanoic acid (PFDA) and its sodiu
Tris(4-nonylphenyl, branched and linear) phosphi
Perfluorobutane sulfonic acid (PFBS) and its sal
Fluoranthene
Pyrene
Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]o
Dioctyltin dilaurate, stannane, dioctyl-, bis(co
Perfluorononan-1-oic acid
(2,2,3,3,4,4,5,5,6,6,7 Perfluorohexane-1-sulphonic acid and its salts
Dipentyl phthalate
Cobalt-dichloride
Alkanes, C10-13, chloro
Bis(tributyltin) oxide
Lead chromate
Lead chromate molybdate sulfate red
Tris(2-chloroethyl) phosphate
bis(2-methoxyethyl) ether
1,2-Dimethoxyethane
1,2-bis(2-methoxyethoxy)ethane
Decabromodiphenylether
Diboron-trioxide
Cadmium-oxide
Lead(II,IV)-oxide
Lead
Cadmium
Lead-dinitrate
Lead-titanium-trioxide
Pentalead-tetraoxide-sulphate
Tetralead-trioxide-sulphate
Dioxobis(stearato)trilead
Lead titanium zirconium oxide
Cyanamide, lead(2+) salt (1:1)
Sulfurous Acid, Lead Salt, Dibasic

Silicic acid (H₂Si₂O₅),
barium salt (1:1),
lead-
[Phthalato(2-)]dioxotrilead
4-aminoazobenzene
N,N-
Dimethylformamide
Phenanthrene
Imidazolidine-2-thione

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](#)

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