

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0039300240

Status:

Active

Overview:

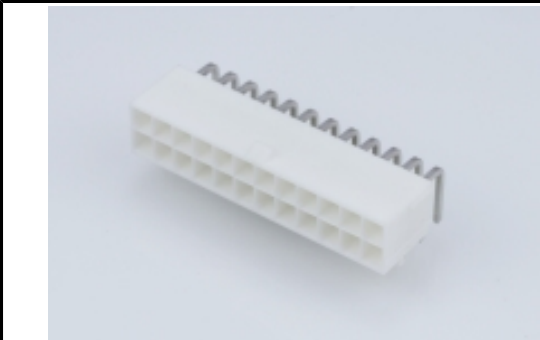
Mini-Fit Family Power Connectors

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:	
3D Model (PDF)	Application Specification AS-5557-001-001 (PDF)
Drawing (PDF)	Packaging Specification PK-5569-002-001 (PDF)
3D Model	Test Summary TS-5556-002-001 (PDF)
Product Specification PS-45750-001-001 (PDF)	Symbol Footprint Data SYM-39-30-1240-001 (PDF)
Product Specification PS-5556-001-001 (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	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

Polarized to Mating Part	Yes	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
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-freeProcess Capability	WAVE	
Max. Cycles at Max. Process Temperature	001	
Process Temperature max. C	240	
Material Info		
Engineering Number	5569-24A2-210	
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	

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](#)

This document was generated on 11/09/2021
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION