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Part Number: **0039301240**

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, Nylon 6/6 94V-2, 2.54µm Matte Tin (Sn) Plating, Natural, Bag

Documents:

[Drawing \(PDF\)](#)

[3D Model](#)

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

[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-39-30-1240-001 \(PDF\)](#)

[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.

Component Type PCB Header

Overview [Mini-Fit Family Power Connectors](#)

Product Name Mini-Fit Jr.

Taxonomy PCB Headers and Receptacles

UPC 800754379878

Physical

Breakaway No

Circuits (Loaded) 24

Circuits (maximum) 24

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 8.600/g

Number of Rows 2

Orientation Right Angle

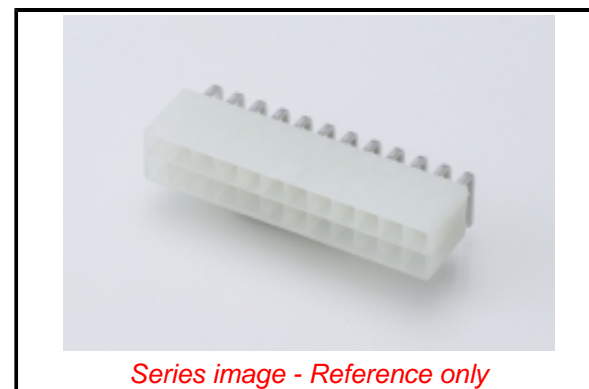
PC Tail Length 3.60mm

PCB Locator Yes

PCB Retention Yes

PCB Thickness - Recommended 1.78mm

Packaging Type Bag



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained per -
D(2022)9120-DC (17
Jan 2023)

Halogen-Free

Status

Low-Halogen

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

China RoHS

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[5569 Series](#)

Mates With

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

Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
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	5569-24A2
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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-39-30-1240-001
Test Summary	TS-5556-002-001

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