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Part Number: 39-28-1123

Status: **Active** Mini-Fit Jr.™ **Overview:**

4.20mm Pitch Mini-Fit Jr.™ Header, Dual Row, Vertical, without Snap-in Plastic Peg **Description:**

PCB Lock, 12 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating, without Drain

Documents:

3D Model Product Specification PS-5556-001 (PDF) Packaging Specification PK-5566-003 (PDF) Tooling Manual (PDF) RoHS Certificate of Compliance (PDF) Drawing (PDF)

Agency Certification

CSA LR19980 UL E29179

General

Comments

Product Family PCB Headers

Series 5566

Application Power, Wire-to-Board

> The 5566 header should be used with standard Mini-Fit® female terminals. If increased amperage of up to 13A per circuit is needed, please consider using the Mini-Fit® Plus HCS family 45750 terminals with 46015 headers; . See Molex product specification PS-45750-001 for additional current de-rating

information. <P><P>This Molex product is manufactured from material that has the following ratings, tested by independent agencies :. a) A Glow Wire Ignition Temperature (GWIT) of at least 775 deg C per IEC 60695-2-13.. b) A Glow Wire Flammability Index (GWFI) above 850 deg C per IEC 60695-2-12.and hence complies with the requirements set out in the International Standard IEC 60335-1 5th edition household and similar electrical appliances - safety; section 30 Resistance to heat and fire. <P><P> The customers using this product must determine its suitability for use in their particular application through testing or other acceptable means as described in end-product glow-wire flammability test standard IEC 60695-2-11 and any applicable product enduse standard(s). <P> If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for

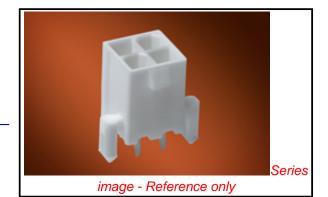
Yes

possible product options.

MolexKits Mini-Fit Jr.™ Overview **Product Name** Mini-Fit Jr.™

Physical

Breakaway No Circuits (Loaded) 12 Circuits (maximum) 12 Color - Resin Natural Durability (mating cycles max) 30 First Mate / Last Break No



EU RoHS ELV and RoHS Compliant **REACH SVHC Contains SVHC: No Low-Halogen Status** Low-Halogen

China RoHS

Need more information on product environmental compliance?

Email productcompliance@molex.com For a multiple part number RoHS Certificate of Compliance, click here

Please visit the Contact Us section for any non-product compliance questions.

Search Parts in this Series

5566 Series

Mates With

5557 Mini-Fit Jr.™ Receptacle Housing

Use With

5556 Mini-Fit® Crimp Terminal

Flammability 94V-2 Glow-Wire Compliant No Guide to Mating Part No Keying to Mating Part None Lock to Mating Part Yes Material - Metal **Brass** Material - Plating Mating Tin Material - Plating Termination Tin Material - Resin Nylon Number of Rows 2 Orientation Vertical PC Tail Length 3.50mm **PCB** Locator Yes **PCB** Retention None PCB Thickness - Recommended 1.60mm Packaging Type Bag Pitch - Mating Interface 4.20mm Pitch - Termination Interface 4.20mm Plating min - Mating 0.889um 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°C to +105°C Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 13A Voltage - Maximum 600V

Solder Process Data

Duration at Max. Process Temperature (seconds) 5

Lead-free Process Capability Wave Capable (TH only)

Max. Cycles at Max. Process Temperature 1
Process Temperature max. C 260

Material Info

Old Part Number 5566-12A

Reference - Drawing Numbers

Packaging Specification PK-5566-003

Product Specification PS-5556-001, RPS-5556-004, RPS-5557-045,

RPS-5566-002

Sales Drawing SD-5566-002

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