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Part Number: <u>39-29-9047</u>

Status: Active
Overview: Mini-Fit Jr.™

**Description:** 4.20mm Pitch Mini-Fit Jr.™ Header, Dual Row, Vertical, with Snap-in Plastic Peg PCB

Lock, 4 Circuits, PA Polyamide Nylon 6/6 94V-0, Tin (Sn) Plating, without Drain Holes

**Documents:** 

3D Model Test Summary TS-5556-002 (PDF)
Drawing (PDF) RoHS Certificate of Compliance (PDF)

Product Specification PS-5556-001 (PDF)

# **Agency Certification**

CSA LR19980 UL E29179

# General

Comments

Product Family PCB Headers
Series <u>5566</u>
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 possible product options.

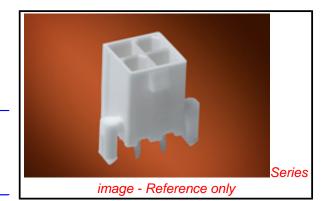
<u>Mini-Fit Jr.™</u> Mini-Fit Jr.™

# **Physical**

**Product Name** 

Overview

Breakaway No
Circuits (Loaded) 4
Circuits (maximum) 4
Color - Resin Natural
Durability (mating cycles max) 30
First Mate / Last Break No
Flammability 94V-0
Glow-Wire Compliant 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 <u>productcompliance@molex.com</u>
For a multiple part number RoHS Certificate of Compliance, click here

Please visit the <u>Contact Us</u> 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

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 Yes PCB Thickness - Recommended 1.60mm Packaging Type Tray Pitch - Mating Interface 4.20mm Pitch - Termination Interface 4.20mm Plating min - Mating 0.889µm Plating min - Termination 0.889µm 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)

Lead-free Process Capability Wave Capable (TH only)

Max. Cycles at Max. Process Temperature 1
Process Temperature max. C 240

#### **Material Info**

Old Part Number A-5566-04A2-210

# **Reference - Drawing Numbers**

Product Specification PS-5556-001
Sales Drawing SDA-5566-N\*2\*-\*
Test Summary TS-5556-002

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