

Molex.com

English
日本語
한국어
简体中文

Register | Login
My Parts (0 items)

Product Name

Cross-Ref

Catalog

Literature

Industries

Standards

Contact Us

About Us

Investors

Careers

Search site:Search: [Go](#)

Connectors

Sockets

I/O Connectors

Cable Assemblies

Fiber Optics

Printed Circuit Products

Industrial Products

Lighting Products

Switch Language

English

[Home](#)
[PCB Headers](#)
[Datasheet](#)

Need Assistance?

Contact Us
Find a Distributor
Order Samples
Tech Library
Ecocare
Electrical Models

Printer-friendly page

Email this page

Part Number:

0039299062

Status:

Active

Overview:

Mini-Fit Jr.™

Description:

4.20mm (.165") Pitch Mini-Fit Jr.™ Header, Dual Row, Vertical, with Snap-in Plastic Peg PCB Lock, 6 Circuits, PA Polyamide Nylon 6/6 94V-2, Tin (Sn) Plating, with Drain Holes

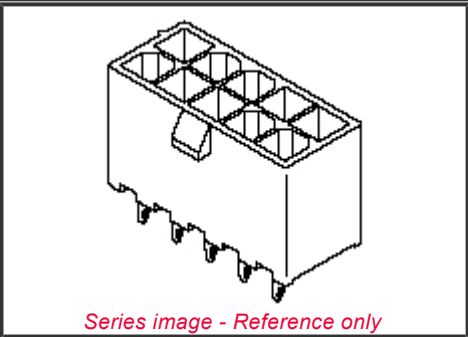
Documents:

[Note - Please disable browser pop-up blockers for documents on www.molex.com](#)

[Drawing \(PDF\)](#)

[Product Specification PS-5556-001 \(PDF\)](#)

3D Model



EU RoHS

ELV and RoHS Compliant

China RoHS

REACH SVHC

Contains SVHC: No

Halogen-Free Status

Not Reviewed

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

Order Products:

Part Detail: [\(show all\)](#)

[General](#)[Physical](#)[Electrical](#)[Agency Certification](#)[Solder Process Data](#)[Material Info](#)[Reference - Drawing Numbers](#)

General

Product Family	PCB Headers
Series	5566
Application	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 to 16 AWG wire. See Molex product specification PS-45750-001 for additional current de-rating information. High Temperature, Square Pin, Solder Type
Overview	Mini-Fit Jr.™
Product Name	Mini-Fit Jr.™

Physical

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Natural
Durability (mating cycles max)	30
First Mate / Last Break	No
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 (in)	0.138 In
PC Tail Length (mm)	3.50 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 mm
Packaging Type	Tray
Pitch - Mating Interface (in)	0.165 In
Pitch - Mating Interface (mm)	4.20 mm
Pitch - Term. Interface (in)	0.165 In
Pitch - Term. Interface (mm)	4.20 mm
Plating min: Mating (µin)	355.6
Plating min: Mating (µm)	8.89
Plating min: Termination (µin)	355.6
Plating min: Termination (µm)	8.89
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

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

CSA	LR19980
TUV	R72081037
UL	E29179

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	240

Old Part Number	A556606B2
-----------------	-----------

Product Specification	PS-5556-001
Sales Drawing	SDA-5566-N*2*-*