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Part Number: [46991-1006](#)

Status: **Active**

Overview: [Mini-Fit Jr.™ Power Connectors](#)

Description: Mini-Fit® Jr. Reflow Solder Compatible Header, Right Angle, Dual Row, 6 Circuits, without Mounting Peg, Tin (Sn) Over Nickel (Ni) Plating, Glow Wire Compliant

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-46207-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)



Series

image - Reference only

Agency Certification

CSA

UL

General

[Product Family](#)

[Series](#)

[Application](#)

[Comments](#)

LR19980

E29179

[PCB Headers](#)

[46991](#)

Board-to-Board, Power, Wire-to-Board

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-45750-001 for additional current de-rating information... 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. . .

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 end-use standard(s). . . If it is determined during the customer's evaluation of suitability, that higher performance is required, please contact Molex for possible product options.

[Mini-Fit Jr.™ Power Connectors](#)

[Mini-Fit Jr.™](#)

883906758684

[Overview](#)

[Product Name](#)

[UPC](#)

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

First Mate / Last Break

Flammability

Glow-Wire Compliant

Guide to Mating Part

Lock to Mating Part

No

6

6

Black

75

No

94V-0

Yes

No

Yes

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

[46991Series](#)

Mates With

[5557 Mini Fit Jr.™ Receptacle](#)

Material - Metal	Brass
Material - Plating Mating	Nickel
Material - Plating Termination	Matte Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	2.715/g
Number of Rows	2
Orientation	Right Angle
PC Tail Length	3.30mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.78mm
Packaging Type	Tray
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	13A
Voltage - Maximum	600V AC (RMS)/DC

Solder Process Data

Duration at Max. Process Temperature (seconds)	30
Lead-free Process Capability	SMC & Wave Capable (TH only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

Material Info

Reference - Drawing Numbers

Product Specification	PS-46207-001
Sales Drawing	SD-46991-001

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Mouser Electronics

Authorized Distributor

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