

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [46991-2012](#)
Status: **Active**
Overview: Mini-Fit Jr.™ Power Connectors
Description: Mini-Fit® Jr. Reflow Solder Compatible Header, Right Angle, Dual Row, 12Circuits, without Mounting Peg, Gold (Au) Over Nickel (Ni) Plating, GlowWire Compliant

Documents:

[3D Model](#) [Product Specification PS-46207-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
 UL E29179

General

Product Family PCB Headers
 Series [46991](#)
 Application Board-to-Board, Power, Wire-to-Board
 Overview [Mini-Fit Jr.™ Power Connectors](#)
 Product Name Mini-Fit Jr.™
 UPC 887191371245

Physical

Breakaway No
 Circuits (Loaded) 12
 Circuits (maximum) 12
 Color - Resin Black
 Durability (mating cycles max) 75
 First Mate / Last Break No
 Flammability 94V-0
 Glow-Wire Compliant Yes
 Guide to Mating Part No
 Lock to Mating Part Yes
 Material - Metal Brass
 Material - Plating Mating Nickel
 Material - Plating Termination Gold
 Material - Resin High Temperature Thermoplastic
 Net Weight 5.010/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

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](#)

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

This document was generated on 10/31/2014

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION