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Part Number: [0460101022](#)
Status: **Active**
Overview: [Mini-Fit® Plus Connector System](#)
Description: Mini-Fit® Plus PCB Receptacle, 4.20mm Pitch, Dual Row, Vertical, Blind Mating, 10 Circuits, with Snap-in Plastic Peg PCB Lock, PA Polyamide Nylon 6/6, UL 94V-0, Select Gold (Au) Over Nickel (Ni) Plating

Documents:

[3D Model](#) [Product Specification PS-45750-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

UL E29179

General

Product Family PCB Receptacles
 Series [46010](#)
 Application Board-to-Board, Power
 Comments 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 for additional current de-rating information.
 Overview [Mini-Fit® Plus Connector System](#)
 Product Name Mini-Fit® Plus
 UPC 883906716912

Physical

Circuits (Loaded) 10
 Circuits (maximum) 10
 Color - Resin Natural
 Durability (mating cycles max) 30
 Flammability 94V-0
 Glow-Wire Compliant No
 Guide to Mating Part Yes
 Keying to Mating Part None
 Lock to Mating Part None
 Material - Metal Copper Alloy
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin Nylon
 Net Weight 2.149/g
 Number of Rows 2
 Orientation Vertical
 PC Tail Length 1.80mm
 PCB Locator Yes
 PCB Retention Yes
 Packaging Type Tray
 Pitch - Mating Interface 4.20mm
 Plating min - Mating 0.762µm
 Plating min - Termination 2.540µm
 Polarized to Mating Part Yes
 Polarized to PCB Yes
 Stackable No
 Surface Mount Compatible (SMC) No
 Temperature Range - Operating -40°C to +105°C
 Termination Interface: Style Through Hole



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Contains SVHC(2014 December 17): No

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
 Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

Green Image

Not Relevant

Search Parts in this Series

[46010](#) Series

Mates With

[42404](#) Mini-Fit® BMI Right Angle Header, [46011](#) Mini-Fit® Plus Vertical Header, [42475](#) Mini-Fit® BMI Plug Housing

Electrical

| | |
|-------------------------------|-------|
| Current - Maximum per Contact | 13.0A |
| Grounding to PCB | Yes |
| Voltage - Maximum | 600V |

Solder Process Data

| | |
|--|------|
| Duration at Max. Process Temperature (seconds) | 005 |
| Lead-free Process Capability | WAVE |
| Max. Cycles at Max. Process Temperature | 001 |
| Process Temperature max. C | 235 |

Material Info**Reference - Drawing Numbers**

| | |
|-----------------------|--------------|
| Product Specification | PS-45750-001 |
| Sales Drawing | SD-46010-001 |

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