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Part Number: [46010-0412](#)
Status: **Active**
Overview: [Mini-Fit® Plus HCS](#)
Description: 4.20mm Pitch Mini-Fit® Plus HCS PCB Receptacle, Dual Row, Vertical, Blind Mating, 4 Circuits, with Snap-in Plastic Peg PCB Lock, PA Polyamide Nylon 6/6, UL 94V-2, 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 HCS](#)
 Product Name Mini-Fit® Plus HCS
 UPC 822350716963

Physical

Circuits (Loaded) 4
 Circuits (maximum) 4
 Color - Resin Natural
 Durability (mating cycles max) 30
 Flammability 94V-2
 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 0.897/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



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

[46010Series](#)

Mates With

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

Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 13A
Grounding to PCB Yes
Voltage - Maximum 600V

Solder Process Data

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 235

Material Info

Reference - Drawing Numbers

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

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