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Part Number: [46011-1003](#)
Status: **Active**
Overview: [Mini-Fit® Plus HCS](#)
Description: 4.20mm Pitch Mini-Fit® Plus HCS Header, Dual Row, Vertical, Blind Mating, 10 Circuits, with Snap-in Plastic Peg PCB Lock, PA Polyamide Nylon 6/6, UL 94V-0, 0.76µm Gold (Au) Selective Plating, Halogen Free

Documents:

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

Agency Certification

UL E29179

General

Product Family PCB Headers
 Series [46011](#)
 Application Board-to-Board, Power, 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 16 AWG wire., See Molex product specification PS-45750-001 for additional current de-rating information.

Overview [Mini-Fit® Plus HCS](#)
 Product Name Mini-Fit® Plus HCS
 UPC 822350726450

Physical

Breakaway No
 Circuits (Loaded) 10
 Circuits (maximum) 10
 Color - Resin Natural
 Durability (mating cycles max) 50
 First Mate / Last Break No
 Flammability 94V-0
 Glow-Wire Compliant Yes
 Guide to Mating Part Yes
 Keying to Mating Part None
 Lock to Mating Part Yes
 Material - Metal Copper Alloy
 Material - Plating Mating Gold
 Material - Plating Termination Tin
 Material - Resin Nylon
 Net Weight 2.660/g
 Number of Rows 2
 Orientation Vertical
 PC Tail Length 1.80mm
 PCB Locator Yes
 PCB Retention Yes
 PCB Thickness - Recommended 1.78mm
 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



image - Reference only

Series

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

[46011Series](#)

Mates With

[15-06-0101](#) Mini-Fit® BMI Panel Mount Receptacle, [39-01-2105](#) Mini-Fit Jr.™ Receptacle, [46010-1022](#) Mini-Fit® Plus HCS Receptacle Header

Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole

Electrical

Current - Maximum per Contact	13A
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	264

Material Info

Reference - Drawing Numbers

Product Specification	PS-45750-001
Sales Drawing	SD-46011-001

This document was generated on 06/03/2013

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