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**Part Number:** [46010-0622](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit® Plus HCS](#)  
**Description:** 4.20mm Pitch Mini-Fit® Plus HCS PCB Receptacle, Dual Row, Vertical, Blind Mating, 6 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	<a href="#">46010</a>
Application	Board-to-Board, Power
Comments	Current = 13A max. per circuit when header is mated to a receptacle loaded with <a href="#">45750</a> Mini-Fit Plus HCS™ Crimp Terminal Crimped to 16 AWG wire. . See Molex product specification for additional current de-rating information.
Overview	<a href="#">Mini-Fit® Plus HCS</a>
Product Name	Mini-Fit® Plus HCS
UPC	883906726645

**Physical**

Circuits (Loaded)	6
Circuits (maximum)	6
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	1.317/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



*image - Reference only*

**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](mailto: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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