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Part Number: [46014-0407](#)
Status: **Active**
Overview: [Mini-Fit® Plus Connector System](#)
Description: Mini-Fit® Plus Header, 4.20mm Pitch, Single Row, Vertical, 4 Circuits, with Snap-in Plastic Peg PCB Lock, PA Polyamide Nylon 6/6, UL 94V-2, Gold (Au) 0.76µm Over Nickel (Ni) Plating

Documents:	
3D Model	Product Specification PS-45750-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

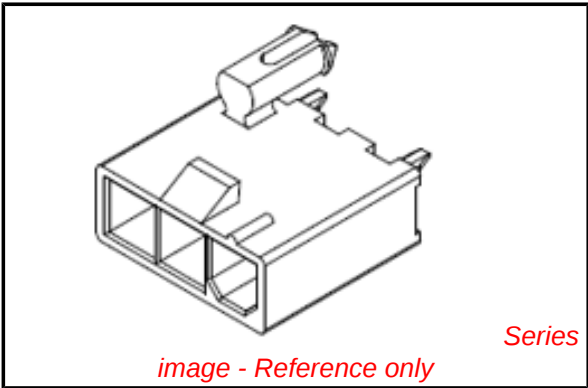
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	46014
Application	Board-to-Board, Power, Wire-to-Board
Comments	11.5A When using as Board-to-Board Applications 12A When Using as Wire-to-Board
Overview	Mini-Fit® Plus Connector System
Product Name	Mini-Fit® Plus
UPC	884982067776

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
Color - Resin	Natural
Durability (mating cycles max)	250
First Mate / Last Break	No
Flammability	94V-2
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	None
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Nickel
Material - Resin	Nylon
Net Weight	1.095/g
Number of Rows	1
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
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
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

[46014Series](#)

Mates With

[5557 Mini-Fit Jr.™ Receptacle Housing](#)

Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	11.5A, 12A
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	240
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-45750-001
Sales Drawing	SD-46014-001

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