

**Part Number :** 460111003

**Product Description :** Mini-Fit Plus Header, 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, 0.76µm Gold (Au) Selective Plating, Halogen Free



**Series Number :** 46011

**Status :** Active

**Product Category :** PCB Headers and Receptacles

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## Documents & Resources

### Drawings

[460111003\\_sd.pdf](#)

[PK-42440-001-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

[SYM-46011-100X-001.zip](#)

### Specifications

[PS-45750-001-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	ⓘ per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

## Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

## Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## Substances of Interest

- PFAS

## EU RoHS Certificate of Compliance

## Additional Product Compliance Information

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## **Part Details**

### **General**

Status	Active
Category	PCB Headers and Receptacles
Series	46011
Description	Mini-Fit Plus Header, 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, 0.76µm Gold (Au) Selective Plating, Halogen Free
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.
Component Type	PCB Header
Product Name	Mini-Fit Plus
UPC	822350726450

## Agency

UL	E29179
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## Electrical

Current - Maximum per Contact	13.0A
Voltage - Maximum	600V

## 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 Capable	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
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.78mm
PC Tail Length	1.80mm
Pitch - Mating Interface	4.20mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes

Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole

## Solder Process Data

Max-Duration	5
Lead-Free Process Capability	WAVE
Max-Cycle	1
Max-Temp	240

## Mates With / Use With

### Mates with Part(s)

Description	Part Number
Mini-Fit BMI Receptacle Housing, 4.20mm Pitch, Dual Row with Panel Mount Ears, PA Polyamide Nylon 6/6, UL 94V-0, 10 Circuits	<u>15060101</u>
Mini-Fit Jr. Receptacle Housing, Dual Row, 10 Circuits, UL 94V-0, Natural	<u>39012105</u>
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	<u>460101022</u>

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