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**Part Number:** [0460110402](#)

**Status:** **Active**

**Overview:** Mini-Fit Family Power Connectors

**Description:** Mini-Fit Plus Header, 4.20mm Pitch, Dual Row, Vertical, Blind Mating, 4 Circuits, with Snap-in Plastic Peg PCB Lock, PA Polyamide Nylon 6/6, UL 94V-0, Tin (Sn) 1.27µm Over Nickel (Ni) Plating, Halogen Free

**Documents:**

[Drawing \(PDF\)](#)

[3D Model](#)

[3D Model \(PDF\)](#)

[Product Specification PS-45750-001-001 \(PDF\)](#)

[Packaging Specification PK-42440-001-001 \(PDF\)](#)

[Symbol Footprint Data SYM-46011-040X-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

UL E29179

**General**

Product Family

Series PCB Headers

Application 46011

Comments Board-to-Board, Power, Wire-to-Board  
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 Family Power Connectors](#)

Product Name Mini-Fit Plus

UPC 822350725965

**Physical**

Breakaway No  
Circuits (Loaded) 4  
Circuits (maximum) 4  
Color - Resin Natural  
Durability (mating cycles max) 30  
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 Tin  
Material - Plating Termination Tin  
Material - Resin Nylon  
Net Weight 1.381/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 2.540µm  
Plating min - Termination 1.270µm  
Polarized to Mating Part Yes



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[46011](#) Series

**Mates With**

[15060041](#) Mini-Fit BMI Panel Mount Receptacle, [39012045](#) Mini-Fit Jr. Receptacle, [460100421](#) Mini-Fit Plus Receptacle Header

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

**Electrical**

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

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	005
Lead-free Process Capability	WAVE
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	240

**Material Info****Reference - Drawing Numbers**

Packaging Specification	PK-42440-001-001
Product Specification	PS-45750-001-001
Sales Drawing	SD-46011-001-000
Symbol/Footprint Data	SYM-46011-040X-001

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