

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0460100622](#)
Status: **Active**
Overview: Mini-Fit Family Power Connectors
Description: Mini-Fit Plus PCB Receptacle, 4.20mm Pitch, 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 (PDF)	Packaging Specification PK-42385-999-001 (PDF)
3D Model	Test Summary 423850000-TS-000 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-45750-001-001 (PDF)	

Agency Certification

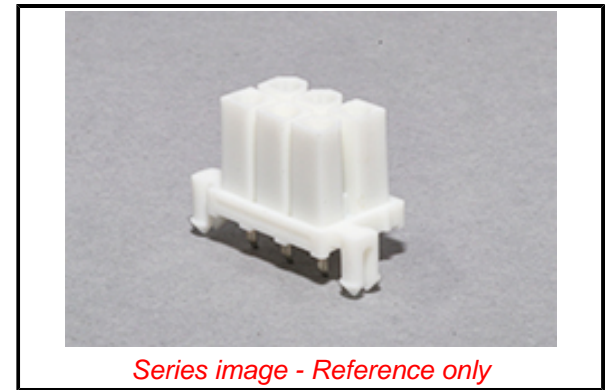
UL E29179

General

Product Family	PCB Receptacles
Series	46010
Application	Board-to-Board, Power
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 for additional current de-rating information.
Overview	Mini-Fit Family Power Connectors
Product Name	Mini-Fit Plus
UPC	883906726645

Physical

Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Natural
Durability (mating cycles max)	30
Flammability	94V-0
Glow-Wire Capable	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° to +105°C



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

[46010](#) Series

Mates With

[42404](#) Mini-Fit BMI Right Angle Header,
[46011](#) Mini-Fit Plus Vertical Header, [42475](#)
Mini-Fit BMI Plug Housing

Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 13.0A
Grounding to PCB Yes
Voltage - Maximum 600V

Solder Process Data

Duration at Max. Process Temperature (seconds) 005
Lead-freeProcess Capability WAVE
Max. Cycles at Max. Process Temperature 001
Process Temperature max. C 235

Material Info

Reference - Drawing Numbers

Packaging Specification PK-42385-999-001
Product Specification PS-45750-001-001
Sales Drawing SD-46010-001-000
Test Summary 423850000-TS-000

This document was generated on 01/10/2022

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Power to the Board](#) category:

Click to view products by [Molex](#) manufacturer:

Other Similar products are found below :

[6450171-4](#) [6450552-7](#) [6600323-8](#) [6643429-1](#) [6646040-2](#) [6651939-1](#) [6766604-1](#) [120959-1](#) [1393557-2](#) [1393532-2](#) [1393532-3](#) [1393532-4](#)
[1393557-1](#) [1600812-5](#) [1-6450861-2](#) [1744132-7](#) [1761122-1](#) [1766250-1](#) [1892109-1](#) [2-6450860-5](#) [2-6450870-0](#) [1-6450161-4](#) [1-6450850-6](#) [1-6450869-6](#) [1645526-2](#) [1-6600130-0](#) [2005243-2](#) [377-0020-11130](#) [TE34-12-16P-F0](#) [5-6450830-6](#) [5646956-4](#) [377-0080-11131A](#) [4-6450830-9](#)
[4-6600333-3](#) [10125416-4050LF](#) [6600320-3](#) [3-6450860-5](#) [1888123-2](#) [6450166-1](#) [6643978-1](#) [6766605-1](#) [701-15-02109](#) [N11444](#) [6651938-1](#)
[6450810-7](#) [46437-1112](#) [1-1589677-8](#) [5646956-5](#) [6450813-2](#) [6450129-4](#)