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Part Number:

0460112402

Status:

Active

Overview:

Mini-Fit Family Power Connectors

Description:

Mini-Fit Plus Header, 4.20mm Pitch, Dual Row, Vertical, Blind Mating, 24 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:

3D Model (PDF)

3D Model

Drawing (PDF)

Product Specification PS-45750-001-001 (PDF)

Packaging Specification PK-42440-001-001 (PDF)

Symbol Footprint Data SYM-46011-240X-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification	
UL	E29179
General	
Product Family	PCB Headers
Series	46011
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.
Overview	Mini-Fit Family Power Connectors
Product Name	Mini-Fit Plus
UPC	822350726566
Physical	
Breakaway	No
Circuits (Loaded)	24
Circuits (maximum)	24
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	5.679/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

China RoHS

REACH SVHC

Not Contained Per -

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Halogen-Free

Status

Low-Halogen

For more information, please visit

Contact US

China ROHS

Green Image

ELV

Not Relevant

RoHS Phthalates

Not Contained

Search Parts in this Series

46011 Series

Mates With

15060241 Mini-Fit BMI Panel Mount Receptacle, 39012245 Mini-Fit Jr. Receptacle, 445160012 Mini-Fit BMI Slide and Lock Panel Mount Receptacle, 460102421 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-freeProcess 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-46011-240X-001

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