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Part Number:

0460152006

Status:

Active

Overview:

Mini-Fit Family Power Connectors

Description:

Mini-Fit Plus Header, Dual Row, Vertical, 20 Circuits, without Snap-in Plastic Peg PCB Lock, without Drain Holes, PA Polyamide Nylon 6/6, UL 94V-2, Tin (Sn) 1.27µm Over Nickel (Ni) Plating

Documents:

3D Model (PDF)

3D Model

Drawing (PDF)

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

Packaging Specification PK-5566-001-001 (PDF)

Test Summary TS-5566-002-001 (PDF)

Symbol Footprint Data SYM-46015-2002-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
UL	E29179
General	
Product Family	PCB Headers
Series	46015
Application	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
Overview	Mini-Fit Family Power Connectors
Product Name	Mini-Fit Plus
Taxonomy	PCB Headers and Receptacles
UPC	822350737807
Physical	
Breakaway	No
Circuits (Loaded)	20
Circuits (maximum)	20
Color - Resin	Natural
Durability (mating cycles max)	75
First Mate / Last Break	No
Flammability	94V-2
Glow-Wire Capable	No
Guide to Mating Part	No
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	5.530/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	1.80mm
PCB Locator	Yes
PCB Retention	None
PCB Thickness - Recommended	1.78mm
Packaging Type	Tray
Pitch - Mating Interface	4.20mm



Series image - Reference only

EU ELV	
Not Relevant	
EU RoHS	China RoHS
Compliant	
REACH SVHC	
Not Contained Per - D(2022)4187-DC (10 June 2022)	
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

46015 Series

Mates With

5557 Mini-Fit Jr. Receptacle Housing

Plating min - Mating	2.540μm
Plating min - Termination	1.270μm
Polarized to Mating Part	Yes
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	260
Material Info	
Reference - Drawing Numbers	
Packaging Specification	PK-5566-001-001
Product Specification	PS-45750-001-001
Sales Drawing	SD-46015-001-000
Symbol/Footprint Data	SYM-46015-2002-001
Test Summary	TS-5566-002-001

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