

Part Number: 460150602

Product Description : Mini-Fit Plus Header, Dual Row, Vertical, 6 Circuits, without Snap-in Plastic Peg PCB Lock, without Drain Holes, PA Polyamide Nylon 6/6, UL 94V-0, Tin (Sn) 1.27µm Over Nickel (Ni) Plating

Status: Active

Series Number: 46015

Product Category: PCB Headers and

Receptacles

Documents & Resources

Drawings

Drawing 460150602_sd.pdf Packaging Design Drawing PK-5566-001-001.pdf

3D Models and Design Files

3D Model 460150602_stp.zip Symbol Footprint Data SYM-46015-0602-001.zip

Specifications

Product Specification PS-45750-001-001.pdf Test Summary TS-5566-002-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	©
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 2024)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C

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

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	46015
Description	Mini-Fit Plus Header, Dual Row, Vertical, 6 Circuits, without Snap-in Plastic Peg PCB Lock, without Drain Holes, PA Polyamide Nylon 6/6, UL 94V-0, Tin (Sn) 1.27µm Over Nickel (Ni) Plating
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
Product Family	Mini-Fit Family Power Connectors
Product Name	Mini-Fit Plus
UPC	822350737135

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	No
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Circuits (Loaded) Circuits (maximum) Color - Resin Natural Durability (mating cycles max) First Mate / Last Break No Flammability 94V-0 Glow-Wire Capable No Guide to Mating Part None Lock to Mating Part None Lock to Mating Part Naterial - Metal Copper Alloy Material - Plating Mating Material - Resin Nylon Net Weight Net Weight 1.866/g Number of Rows Orientation PCB Locator PCB Retention PCB Thickness - Recommended Plating min - Mating Plating min - Termination Polarized to PCB Shrouded Fully Stackable Termination Interface Style Trouyn Hole Pcont Through Hole Pcont Through Hole		_
Color - Resin Natural Durability (mating cycles max) 75 First Mate / Last Break No Flammability 94V-0 Glow-Wire Capable No Guide to Mating Part None Keying to Mating Part Yes Material - Metal Copper Alloy Material - Plating Mating Tin Material - Plating Termination Tin Material - Resin Nylon Net Weight 1.866/g Number of Rows 2 Orientation Vertical Packaging Type Tray PC Tail Length 1.80mm PCB Locator Yes PCB Retention None PCB Thickness - Recommended 1.78mm Pitch - Mating Interface 4.20mm Plating min - Termination 1.270µm Polarized to Mating Part Yes Shrouded Fully Stackable No Temperature Range - Operating -40° to +105°C	Circuits (Loaded)	6
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Packaging Type Tray PC Tail Length 1.80mm PCB Locator Yes PCB Retention None PCB Thickness - Recommended Pitch - Mating Interface Plating min - Mating Plating min - Termination Plating min - Termination Polarized to Mating Part Polarized to PCB Shrouded Fully Stackable No Temperature Range - Operating Tess 1.80mm 1.80mm 1.78mm 2.540µm 1.270µm 7.270µm 7.270µ	Number of Rows	2
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PCB Thickness - Recommended Pitch - Mating Interface Plating min - Mating Plating min - Termination Polarized to Mating Part Polarized to PCB Shrouded Stackable Temperature Range - Operating 1.78mm 4.20mm 1.270μm 1.270μm Yes Yes Yes Yes Fully Stackable No	PCB Locator	Yes
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Polarized to PCB Shrouded Fully Stackable No Temperature Range - Operating -40° to +105°C	Plating min - Termination	1.270µm
Shrouded Fully Stackable No Temperature Range - Operating -40° to +105°C	Polarized to Mating Part	Yes
Stackable No Temperature Range - Operating -40° to +105°C	Polarized to PCB	Yes
Temperature Range - Operating -40° to +105°C	Shrouded	Fully
	Stackable	No
Termination Interface Style Through Hole	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	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mini-Fit Jr. Receptacle Housings	<u>5557</u>

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