Part Number : 460110603

Product Description : Mini-Fit Plus Header, 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, 0.76µm Gold (Au) Selective Plating, Halogen Free

Series Number : 46011

Status : Active

Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

Drawing_460110603_sd.pdf

Packaging Design Drawing_PK-42440-001-001.pdf

3D Models and Design Files

3D Model_460110603_stp.zip

Symbol Footprint Data_SYM-46011-060X-001.zip

Specifications

Product Specification_PS-45750-001-001.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(2024)4144-DC (27 June 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	46011
Description	Mini-Fit Plus Header, 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, 0.76µm Gold (Au) Selective Plating, Halogen Free
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.
Component Type	PCB Header
Product Family	Mini-Fit Family Power Connectors
Product Name	Mini-Fit Plus
UPC	822350726412

Agency

UL	E29179

Electrical

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

Physical

Breakaway	No

Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Natural
Durability (mating cycles max)	50
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	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon
Net Weight	2.026/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	1.80mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.78mm
Pitch - Mating Interface	4.20mm
Plating min - Mating	0.762µm
Plating min - Termination	2.540µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
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	240

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mini-Fit BMI Receptacle Housing, 4.20mm Pitch, Dual Row with Panel Mount Ears, PA Polyamide Nylon 6/6, UL 94V-0, 4 Circuits	15060041
Mini-Fit Jr. Receptacle Housing, Dual Row, 4 Circuits, UL 94V-0, Natural	39012045
Mini-Fit Plus PCB Receptacle, 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, Select Gold (Áu) Over Nickel (Ni) Plating	460100422

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