molex



Part Number : 462070012
Product Description : 4.20mm Pitch, Mini-Fit Jr. Reflow Solder Capable Header, Dual Row, Vertical, 12 Circuits, 1.57mm PCB Thickness, with PCB Pegs, LCP Housing, with Tin (Sn) Over Nickel (Ni) Plating, Glow-Wire Capable, Tray
Series Number : 46207
Status : Active
Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

462070012_sd.pdf

PK-46207-001-000.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

55560002-AS-000.pdf

PS-45750-001-001.pdf

55560004-PS-CH-000.pdf

55560004-PS-ES-000.pdf

55560004-PS-SK-000.pdf

PS-5556-004-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	per SJ/T 11365-2006
EU ELV	Not Relevant

Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

Compliance Statements
- EU RoHS
- REACH SVHC
- Low-Halogen

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

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	46207
Description	4.20mm Pitch, Mini-Fit Jr. Reflow Solder Capable Header, Dual Row, Vertical, 12 Circuits, 1.57mm PCB Thickness, with PCB Pegs, LCP Housing, with Tin (Sn) Over Nickel (Ni) Plating, Glow-Wire Capable, Tray
Application	Board-to-Board, Power, Wire-to-Board
Comments	Current for wire-to-wire applications = 13.0A max. per circuit; Current for wire-to-board applications = 9.0A max. per circuit
Component Type	PCB Header

Product Name	Mini-Fit Jr.
UPC	800756675794

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	13.0A
Voltage - Maximum	600V AC (RMS)/DC

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	Yes
Guide to Mating Part	No
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Matte Tin
Material - Plating Termination	Matte Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	4.256/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.57mm
PC Tail Length	3.66mm
Pitch - Mating Interface	4.20mm

Pitch - Termination Interface	4.20mm
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	30
Lead-Free Process Capability	SMC&WAVE
Max-Cycle	3
Max-Temp	265

Mates With / Use With

Mates with Part(s)

Description	Part Number
Mini-Fit TPA2 and Mini-Fit Sigma Dual Row Receptacle Housings	172708
Mini-Fit Plus Female Crimp Terminals	45750
Mini-Fit Jr. Receptacle Housings	5557