molex



**Part Number :** 462070106
**Product Description :** 4.20mm Pitch, Mini-Fit Jr. Reflow Solder Capable Header, Dual Row, Vertical, 6 Circuits, 2.36mm 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

462070106_sd.pdf

PK-46207-001-000.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

SYM-46207-0006-001.zip

### Specifications

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

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## 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, 6 Circuits, 2.36mm 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 | 800756741192 |

**Agency**

| | |
|---|---|
| CSA | LR19980 |
| UL | E29179 |

**Electrical**

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

**Physical**

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 6 |
| Circuits (maximum) | 6 |
| 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 | 2.393/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 2.36mm |
| PC Tail Length | 4.46mm |
| 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 Jr. Receptacle Housings | 5557 |