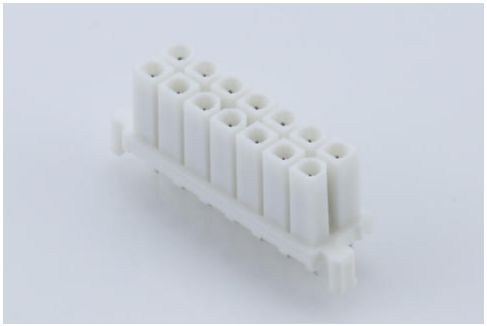
molex



**Part Number :** 15247141
**Product Description :** Mini-Fit BMI Receptacle Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-In Plastic Pegs, Brass Terminal, Matte Tin (Sn) Plating, Nylon UL 94V-0, 14 Circuits
**Series Number :** 42385
**Status :** Active
**Product Category :** PCB Headers and Receptacles
**Engineering Part Number :** 42385-14B1

## Documents and Resources

### Drawings

015247141_sd.pdf

PK-42385-999-001.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

SYM-A42385-14XX-001.zip

### Specifications

55560002-PS-CH-000.pdf

55560002-PS-ES-000.pdf

55560002-PS-SK-000.pdf

PS-5556-002-001.pdf

423850000-TS-000.pdf

TS-5556-002-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Compliant with Exemption 33; 44 |
| China RoHS | per SJ/T 11365-2006 |

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| | |
|---|---|
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)7771-DC (04 Feb 2026) |
| 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 | 42385 |
| Description | Mini-Fit BMI Receptacle Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-In Plastic Pegs, Brass Terminal, Matte Tin (Sn) Plating, Nylon UL 94V-0, 14 Circuits |
| Application | Board-to-Board, Wire-to-Board |
| Comments | Solder Type, With Pegs |
| Component Type | PCB Receptacle |
| Product Name | Mini-Fit BMI |
| UPC | 800754209472 |

### Agency

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

## Electrical

| | |
|---|---|
| Current - Maximum per Contact | 9.0A |
| Voltage - Maximum | 600V AC (RMS)/DC |

## Physical

| | |
|---|---|
| Circuits (Loaded) | 14 |
| Circuits (maximum) | 14 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 30 |
| First Mate / Last Break | No |
| Gender | Female |
| Glow-Wire Capable | No |
| Guide to Mating Part | Yes |
| Keying to Mating Part | No |
| Lock to Mating Part | No |
| Material - Metal | Brass |
| Material - Plating Mating | Matte Tin |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Mounting Style | Through Hole |
| Net Weight | 2.876/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PCB Locator | No |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.78mm |
| PC Tail Length | 3.50mm |
| Pitch - Mating Interface | 4.20mm |
| Pitch - Termination Interface | 4.20mm |
| Plating min - Mating | 2.540µm |
| Plating min - Termination | 2.540µm |

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| | |
|---|---|
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| 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 Dual Row Plug Housings | 42475 |
| Mini-Fit BMI Right-Angle Dual Row Headers | 42404 |
| Mini-Fit BMI Right-Angle Dual Row Headers | 43810 |
| Mini-Fit BMI Vertical Dual Row Headers | 42440 |
| Mini-Fit BMI Vertical Dual Row Headers | 43879 |
| Mini-Fit BMI Vertical Dual Row Headers | 44068 |



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