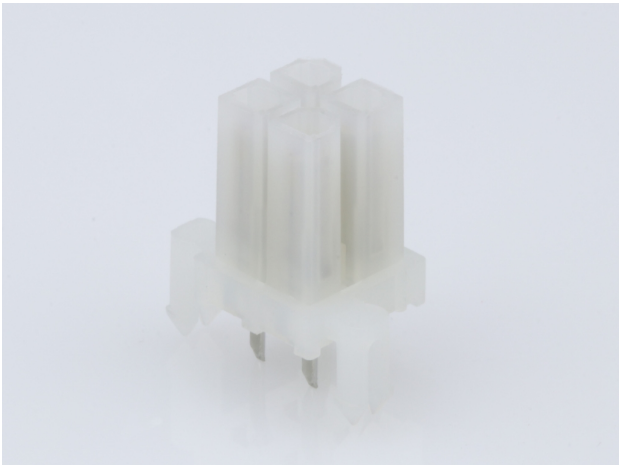




**Part Number :** [15243048](#)  
**Product Description :** Mini-Fit BMI Receptacle Header, 4.20mm Pitch, Dual Row, Vertical, with Snap-In Plastic Pegs, 1.27µm Gold (Au), UL 94V-2, 4 Circuits  
**Series Number :** 42385  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles  
**Engineering Number :** 42385-04A4



Documents & Resources

Drawings

[015243048\\_sd.pdf](#)  
[PK-42385-999-001.pdf](#)

3D Models and Design Files

[015243048\\_stp.zip](#)  
[SYM-A42385-04XX-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; 34                                                   |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21                                                        |
| REACH SVHC         | Not Contained per D(2024)6225-DC (07 Nov 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

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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, 1.27µm Gold (Au), UL 94V-2, 4 Circuits |
| Application    | Board-to-Board, Power, Wire-to-Board                                                                                                |
| Component Type | PCB Receptacle                                                                                                                      |
| Product Name   | Mini-Fit BMI                                                                                                                        |
| UPC            | 800754910293                                                                                                                        |

#### Agency

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

#### Electrical

|                               |                  |
|-------------------------------|------------------|
| Current - Maximum per Contact | 9.0A             |
| Grounding to PCB              | No               |
| Voltage - Maximum             | 600V AC (RMS)/DC |

#### Physical

|                                |                |
|--------------------------------|----------------|
| Circuits (Loaded)              | 4              |
| Circuits (maximum)             | 4              |
| Color - Resin                  | Natural        |
| Durability (mating cycles max) | 30             |
| Flammability                   | 94V-0          |
| Glow-Wire Capable              | No             |
| Guide to Mating Part           | Yes            |
| Keying to Mating Part          | None           |
| Lock to Mating Part            | None           |
| Material - Metal               | Brass          |
| Material - Plating Mating      | Gold           |
| Material - Plating Termination | Tin            |
| Material - Resin               | Nylon          |
| Net Weight                     | 1.217/g        |
| Number of Rows                 | 2              |
| Orientation                    | Vertical       |
| Packaging Type                 | Tray           |
| PC Tail Length                 | 3.50mm         |
| PCB Locator                    | Yes            |
| PCB Retention                  | Yes            |
| PCB Thickness - Recommended    | 1.00mm         |
| Pitch - Mating Interface       | 4.20mm         |
| Pitch - Termination Interface  | 4.20mm         |
| Plating min - Mating           | 1.270µm        |
| Plating min - Termination      | 2.540µm        |
| 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 |
|----------|-----|

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## Mates With / Use With

### Mates with Part(s)

| Description                               | Part Number  |
|-------------------------------------------|--------------|
| Mini-Fit BMI Dual Row Plug Housings       | <u>42475</u> |
| Mini-Fit BMI Right-Angle Dual Row Headers | <u>42404</u> |
| Mini-Fit BMI Right-Angle Dual Row Headers | <u>43810</u> |
| Mini-Fit BMI Vertical Dual Row Headers    | <u>42440</u> |
| Mini-Fit BMI Vertical Dual Row Headers    | <u>43879</u> |
| Mini-Fit BMI Vertical Dual Row Headers    | <u>44068</u> |