

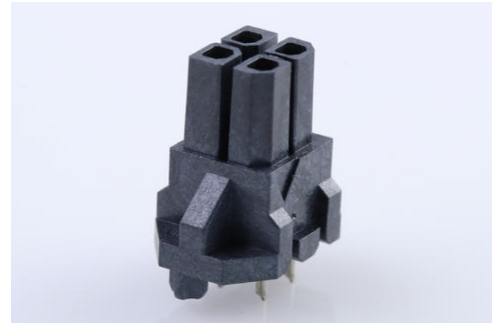
**Part Number :** [447690402](#)

**Product Description :** Micro-Fit BMI Receptacle Header, Dual Row, Vertical, with Press-fit Plastic Pegs, 0.38µm Gold (Au) Selective, 4 Circuits

**Series Number :** 44769

**Status :** Active

**Product Category :** PCB Headers and Receptacles



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## Documents and Resources

### Drawings

[447690402\\_sd.pdf](#)

[PK-44769-001-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

[SYM-44769-0401-001.zip](#)

### Specifications

[444280001-AS-000.pdf](#)

[PS-44300-001-001.pdf](#)

[443000002-TS-000.pdf](#)

[447640002-TS-000.pdf](#)

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## Product Environment Compliance

### Compliance

|                    |                                                |
|--------------------|------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44                    |
| 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)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         | 44769                                                                                                                    |
| Description    | Micro-Fit BMI Receptacle Header, Dual Row, Vertical, with Press-fit Plastic Pegs, 0.38µm Gold (Au) Selective, 4 Circuits |
| Application    | Board-to-Board, Wire-to-Board                                                                                            |
| Component Type | PCB Receptacle                                                                                                           |
| Product Name   | Micro-Fit BMI                                                                                                            |
| UPC            | 800756568614                                                                                                             |

### Agency

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

### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 8.5A |
| Voltage - Maximum             | 600V |

### Physical

|                                |                              |
|--------------------------------|------------------------------|
| Circuits (Loaded)              | 4                            |
| Circuits (maximum)             | 4                            |
| Color - Resin                  | Black                        |
| Durability (mating cycles max) | 30                           |
| First Mate / Last Break        | No                           |
| Flammability                   | 94V-0                        |
| Glow-Wire Capable              | No                           |
| Length                         | 43.60mm                      |
| Material - Metal               | Phosphor Bronze              |
| Material - Plating Mating      | Gold                         |
| Material - Plating Termination | Tin                          |
| Material - Resin               | Liquid Crystal Polymer (LCP) |
| Net Weight                     | 0.933/g                      |
| Number of Rows                 | 2                            |
| Orientation                    | Vertical                     |
| Packaging Type                 | Tray                         |
| PCB Locator                    | Yes                          |
| PCB Retention                  | Yes                          |
| PCB Thickness - Recommended    | 1.57mm                       |
| PC Tail Length                 | 3.40mm                       |
| Pitch - Mating Interface       | 3.00mm                       |
| Plating min - Mating           | 0.381µm                      |
| Plating min - Termination      | 2.540µm                      |
| Polarized to Mating Part       | Yes                          |
| Polarized to PCB               | Yes                          |
| 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                     | 260  |

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### Mates With / Use With

## Mates with Part(s)

| Description                                 | Part Number  |
|---------------------------------------------|--------------|
| Micro-Fit BMI Dual Row Plug Housings        | <u>44300</u> |
| Micro-Fit BMI Right-Angle Dual Row Headers  | <u>44428</u> |
| Micro-Fit BMI Vertical Dual Row Headers     | <u>44432</u> |
| Micro-Fit BMI CPI Vertical Dual Row Headers | <u>45280</u> |

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