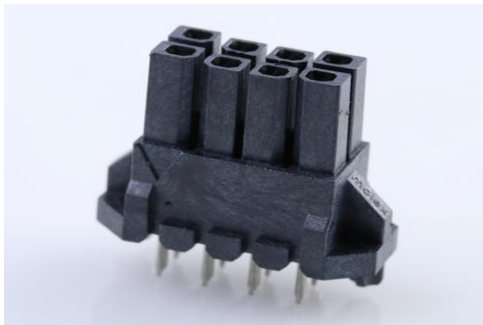




**Part Number :** [447690801](#)  
**Product Description :** Micro-Fit BMI Receptacle Header, Dual Row, Vertical, with Press-fit Plastic Pegs, 2.54µm Tin (Sn), 8 Circuits  
**Series Number :** 44769  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

[447690801 sd.pdf](#)  
[PK-44769-001-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)  
[Symbol and Footprint \(Multi-Format\)](#)  
[SYM-44769-0801-001.zip](#)

### Specifications

[PS-44300-001-001.pdf](#)  
[443000002-TS-000.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 33                                                                              |
| China RoHS         | <br>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<br>(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         | 44769                                                                                                         |
| Description    | Micro-Fit BMI Receptacle Header, Dual Row, Vertical, with Press-fit Plastic Pegs, 2.54µm Tin (Sn), 8 Circuits |
| Application    | Board-to-Board, Power, Wire-to-Board                                                                          |
| Component Type | PCB Receptacle                                                                                                |
| Product Name   | Micro-Fit BMI                                                                                                 |
| UPC            | 800756566719                                                                                                  |

### Agency

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

### Electrical

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

## Physical

|                                |                        |
|--------------------------------|------------------------|
| Circuits (Loaded)              | 8                      |
| Circuits (maximum)             | 8                      |
| Color - Resin                  | Black                  |
| Durability (mating cycles max) | 30                     |
| First Mate / Last Break        | No                     |
| Flammability                   | 94V-0                  |
| Glow-Wire Capable              | No                     |
| Material - Metal               | Phosphor Bronze        |
| Material - Plating Mating      | Tin                    |
| Material - Plating Termination | Tin                    |
| Material - Resin               | Liquid Crystal Polymer |
| Net Weight                     | 1.626/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           | 2.540µm                |
| 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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