



**Part Number :** [447641403](#)  
**Product Description :** Micro-Fit BMI Receptacle Header, Dual Row, Right-Angle, with Press-fit Plastic Pegs, 0.80µm Gold (Au) Selective, 14 Circuits  
**Series Number :** 44764  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

[447641403 sd.pdf](#)  
[PK-44764-001-001.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)  
[Symbol and Footprint \(Multi-Format\)](#)  
[SYM-44764-1401-001.zip](#)

### Specifications

[PS-44300-001-001.pdf](#)  
[443000002-TS-000.pdf](#)  
[TS-44764-001-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| GADSL/IMDS         | Not Relevant                                                                                                 |
| 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(2024)7663-DC<br>(21 Jan 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

## Part Details

### General

|                |                                                                                                                              |
|----------------|------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                       |
| Category       | PCB Headers and Receptacles                                                                                                  |
| Series         | 44764                                                                                                                        |
| Description    | Micro-Fit BMI Receptacle Header, Dual Row, Right-Angle, with Press-fit Plastic Pegs, 0.80µm Gold (Au) Selective, 14 Circuits |
| Application    | Board-to-Board, Power, Wire-to-Board                                                                                         |
| Component Type | PCB Receptacle                                                                                                               |
| Product Name   | Micro-Fit BMI                                                                                                                |
| UPC            | 756054398630                                                                                                                 |

### Agency

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

### Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 8.5A |
|-------------------------------|------|

|                   |      |
|-------------------|------|
| Voltage - Maximum | 600V |
|-------------------|------|

## Physical

|                                |                 |
|--------------------------------|-----------------|
| Circuits (Loaded)              | 14              |
| Circuits (maximum)             | 14              |
| Durability (mating cycles max) | 30              |
| Flammability                   | 94V-0           |
| Glow-Wire Capable              | No              |
| Material - Metal               | Phosphor Bronze |
| Material - Plating Mating      | Gold            |
| Material - Plating Termination | Tin             |
| Net Weight                     | 3.938/g         |
| Number of Rows                 | 2               |
| Orientation                    | Right Angle     |
| Packaging Type                 | Tray            |
| PCB Locator                    | Yes             |
| PCB Retention                  | Yes             |
| PCB Thickness - Recommended    | 1.60mm          |
| Pitch - Mating Interface       | 3.00mm          |
| Plating min - Mating           | 0.762µm         |
| Plating min - Termination      | 2.540µm         |
| 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<br>Housings       | <u>44300</u> |
| Micro-Fit BMI Right-Angle Dual Row<br>Headers | <u>44428</u> |
| Micro-Fit BMI Vertical Dual Row<br>Headers    | <u>44432</u> |