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**Part Number:** [0447641002](#)  
**Status:** **Active**  
**Overview:** [Micro-Fit 3.0™ Connectors](#)  
**Description:** Micro-Fit BMI™ Receptacle Header, Dual Row, Right Angle, with Press-fit Plastic Pegs, 0.38µm Gold (Au) Selective, 10 Circuits

**Documents:**

|                                                          |                                                              |
|----------------------------------------------------------|--------------------------------------------------------------|
| <a href="#">3D Model</a>                                 | <a href="#">Product Specification TS-44764-001-001 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">RoHS Certificate of Compliance (PDF)</a>         |
| <a href="#">Product Specification PS-44300-001 (PDF)</a> | <a href="#">Product Literature (PDF)</a>                     |

**Agency Certification**

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

**General**

|                             |                                           |
|-----------------------------|-------------------------------------------|
| Product Family              | PCB Receptacles                           |
| Series                      | <a href="#">44764</a>                     |
| Application                 | Board-to-Board, Power, Wire-to-Board      |
| Overview                    | <a href="#">Micro-Fit 3.0™ Connectors</a> |
| Product Literature Order No | 987650-5984                               |
| Product Name                | Micro-Fit BMI™                            |
| UPC                         | 756054398562                              |

**Physical**

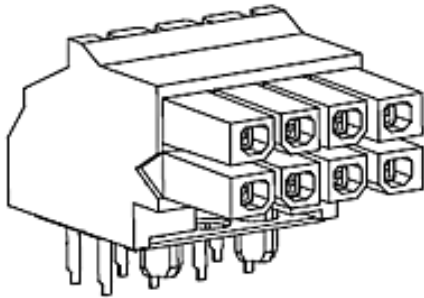
|                                |                 |
|--------------------------------|-----------------|
| Circuits (Loaded)              | 10              |
| Circuits (maximum)             | 10              |
| Durability (mating cycles max) | 30              |
| Flammability                   | 94V-0           |
| Glow-Wire Compliant            | No              |
| Material - Metal               | Phosphor Bronze |
| Material - Plating Mating      | Gold            |
| Material - Plating Termination | Tin             |
| Net Weight                     | 2.914/g         |
| Number of Rows                 | 2               |
| Orientation                    | Right Angle     |
| PCB Locator                    | Yes             |
| PCB Retention                  | Yes             |
| PCB Thickness - Recommended    | 1.60mm          |
| Packaging Type                 | Tray            |
| Pitch - Mating Interface       | 3.00mm          |
| Plating min - Mating           | 0.381µm         |
| Plating min - Termination      | 2.540µm         |
| Polarized to PCB               | Yes             |
| Surface Mount Compatible (SMC) | No              |
| Temperature Range - Operating  | -40°C to +105°C |
| Termination Interface: Style   | Through Hole    |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 5.0A |
| Voltage - Maximum             | 600V |

**Solder Process Data**

|                                                |      |
|------------------------------------------------|------|
| Duration at Max. Process Temperature (seconds) | 005  |
| Lead-freeProcess Capability                    | WAVE |
| Max. Cycles at Max. Process Temperature        | 001  |
| Process Temperature max. C                     | 260  |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/01/2017 (12  
January 2017)

**Halogen-Free**

**Status**

**Low-Halogen**

**Need more information on product  
environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any  
non-product compliance questions.

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**

[44764](#) Series

**Mates With**

[44428](#) Micro-Fit BMI™ Right Angle Headers,  
[44432](#) Micro-Fit BMI™ Vertical Headers,  
[44300](#) Micro-Fit BMI™ Plug Housing

**Material Info**

**Reference - Drawing Numbers**

Product Specification  
Sales Drawing

PS-44300-001, TS-44764-001-001  
SD-44764-001

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