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**Part Number:** [0447690601](#)  
**Status:** **Active**  
**Overview:** [Micro-Fit 3.0 Connector System Product Family](#)  
**Description:** Micro-Fit BMI™ Receptacle Header, Dual Row, Vertical, with Press-fit Plastic Pegs, 2.54µm Tin (Sn), 6 Circuits

**Documents:**

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

**Agency Certification**

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

**General**

|                             |   |
|-----------------------------|---|
| Product Family              | PCB Receptacles   |
| Series                      | <a href="#">44769</a>   |
| Application                 | Board-to-Board, Power, Wire-to-Board                          |
| MolexKits                   | Yes   |
| Overview                    | <a href="#">Micro-Fit 3.0 Connector System Product Family</a> |
| Product Literature Order No | 987650-5984   |
| Product Name                | Micro-Fit BMI™  |
| UPC                         | 800756566702  |

**Physical**

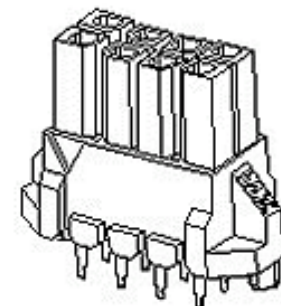
|                                |                 |
|--------------------------------|-----------------|
| Circuits (Loaded)              | 6               |
| Circuits (maximum)             | 6               |
| Durability (mating cycles max) | 30              |
| Flammability                   | 94V-0           |
| Glow-Wire Compliant            | No              |
| Material - Metal               | Phosphor Bronze |
| Material - Plating Mating      | Tin             |
| Material - Plating Termination | Tin             |
| Net Weight                     | 1.283/g         |
| Number of Rows                 | 2               |
| Orientation                    | Vertical        |
| PCB Locator                    | Yes             |
| PCB Retention                  | Yes             |
| PCB Thickness - Recommended    | 1.60mm          |
| Packaging Type                 | Tray            |
| Pitch - Mating Interface       | 3.00mm          |
| Plating min - Mating           | 2.540µm         |
| 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             | 250V |

**Solder Process Data**

|  |      |
|--|------|
| Duration at Max. Process Temperature (seconds) | 005  |
| Lead-free Process 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/30/2017 (7 July 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**

[44769](#) 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  
SD-44769-001

This document was generated on 08/04/2017

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