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**Part Number:** [0447691201](#)  
**Status:** **Active**  
**Overview:** Micro-Fit 3.0™ Connectors  
**Description:** Micro-Fit BMI™ Receptacle Header, Dual Row, Vertical, with Press-fit Plastic Pegs, 2.54µm Tin (Sn), 12 Circuits

**Documents:**

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)  
[Drawing \(PDF\)](#) [Product Literature \(PDF\)](#)  
[Product Specification PS-44300-001 \(PDF\)](#)

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family PCB Receptacles  
 Series [44769](#)  
 Application Board-to-Board, Power, Wire-to-Board  
 Overview Micro-Fit 3.0™ Connectors  
 Product Literature Order No 987650-5984  
 Product Name Micro-Fit BMI™  
 UPC 800756568355

**Physical**

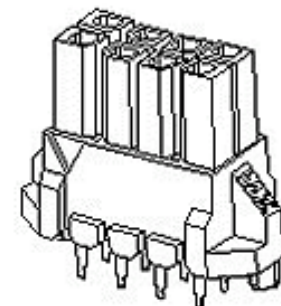
Circuits (Loaded) 12  
 Circuits (maximum) 12  
 Durability (mating cycles max) 30  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Material - Metal Phosphor Bronze  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin  
 Net Weight 2.301/g  
 Number of Rows 2  
 Orientation Vertical  
 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/21/2016 (20 June  
 2016)

**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

PS-44300-001

Sales Drawing

SD-44769-001

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