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**Part Number:** [44769-1801](#)  
**Status:** **Active**  
**Overview:** Micro-Fit 3.0™ Connectors  
**Description:** 3.00mm Pitch Micro-Fit 3.0, BMI™ Receptacle Header, Dual Row, Vertical, with Press-fit Plastic Pegs, 2.54µm Tin (Sn), 18 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      |
| Overview                    | <a href="#">Micro-Fit 3.0™ Connectors</a> |
| Product Literature Order No | 987650-5984                               |
| Product Name                | Micro-Fit 3.0 BMI™                        |
| UPC                         | 800756568553                              |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Circuits (Loaded)              | 18                             |
| Circuits (maximum)             | 18                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 30                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Compliant            | No                             |
| Material - Metal               | Phosphor Bronze                |
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 3.320/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 | 5A   |
| Voltage - Maximum             | 250V |

**Solder Process Data**

|  |                        |
|--|------------------------|
| Duration at Max. Process Temperature (seconds) | 5                      |
| Lead-free Process Capability                   | Wave Capable (TH only) |

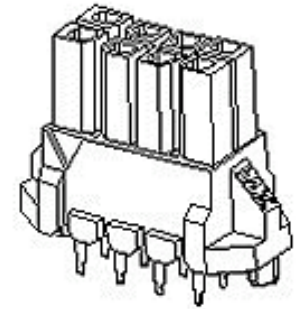


image - Reference only

Series

**EU RoHS**

**ELV and RoHS Compliant**

**REACH SVHC**

**Contains SVHC: No**  
**Low-Halogen Status**  
**Low-Halogen**

**China RoHS**



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

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

**Search Parts in this Series**

44769Series

**Mates With**

44428 , 44300 , 44432

|   |     |
|---|-----|
| Max. Cycles at Max. Process Temperature | 1   |
| Process Temperature max. C              | 260 |

**Material Info**

**Reference - Drawing Numbers**

|                       |                             |
|-----------------------|-----------------------------|
| Product Specification | PS-44300-001, RPS-44300-001 |
| Sales Drawing         | SD-44769-001                |

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