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**Part Number:** [0447692203](#)  
**Status:** **Active**  
**Overview:** [Micro-Fit Connector System](#)  
**Description:** Micro-Fit BMI Receptacle Header, Dual Row, Vertical, with Press-fit Plastic Pegs, 0.76µm Gold (Au) Selective, 22 Circuits

**Documents:**

|  |  |
|--|--|
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Packaging Specification PK-44769-001-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a>                               | <a href="#">Symbol Footprint Data SYM-44769-2201-001 (PDF)</a> |
| <a href="#">3D Model</a>                                     | <a href="#">RoHS Certificate of Compliance (PDF)</a>           |
| <a href="#">Product Specification PS-44300-001-001 (PDF)</a> | <a href="#">Product Literature (PDF)</a>                       |



*Series image - Reference only*

**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 Connector System</a> |
| Product Name   | Micro-Fit BMI                              |
| UPC            | 800756578705                               |

**Physical**

|                                |                        |
|--------------------------------|------------------------|
| Circuits (Loaded)              | 22                     |
| Circuits (maximum)             | 22                     |
| Color - Resin                  | Black                  |
| Durability (mating cycles max) | 30                     |
| Flammability                   | 94V-0                  |
| Glow-Wire Capable              | No                     |
| Material - Metal               | Phosphor Bronze        |
| Material - Plating Mating      | Gold                   |
| Material - Plating Termination | Tin                    |
| Material - Resin               | Liquid Crystal Polymer |
| Net Weight                     | 3.934/g                |
| Number of Rows                 | 2                      |
| Orientation                    | Vertical               |
| PC Tail Length                 | 3.40mm                 |
| PCB Locator                    | Yes                    |
| PCB Retention                  | Yes                    |
| PCB Thickness - Recommended    | 1.57mm                 |
| Packaging Type                 | Tray                   |
| Pitch - Mating Interface       | 3.00mm                 |
| Plating min - Mating           | 0.762µm                |
| Plating min - Termination      | 2.540µm                |
| Polarized to Mating Part       | Yes                    |
| Polarized to PCB               | Yes                    |
| Surface Mount Compatible (SMC) | Yes                    |
| Temperature Range - Operating  | -40° to +105°C         |
| Termination Interface: Style   | Through Hole           |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 8.5A |
| Voltage - Maximum             | 250V |

**Solder Process Data**

|  |     |
|--|-----|
| Duration at Max. Process Temperature (seconds) | 005 |
|--|-----|

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)9139-DC (19  
Jan 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

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, [45280](#)  
 Micro-Fit BMI CPI Compliant Pin Header

|   |      |
|---|------|
| Lead-freeProcess Capability             | WAVE |
| Max. Cycles at Max. Process Temperature | 001  |
| Process Temperature max. C              | 260  |

**Material Info**

**Reference - Drawing Numbers**

|                         |                    |
|-------------------------|--------------------|
| Packaging Specification | PK-44769-001-001   |
| Product Specification   | PS-44300-001-001   |
| Sales Drawing           | SD-44769-001-001   |
| Symbol/Footprint Data   | SYM-44769-2201-001 |

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