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Part Number:

0447691001

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), 10 Circuits

Documents:

3D Model

Drawing (PDF)

Product Specification PS-44300-001 (PDF)

RoHS Certificate of Compliance (PDF)

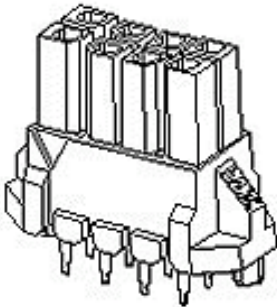
Product Literature (PDF)

|                             |                                      |
|-----------------------------|--------------------------------------|
| 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                         | 800756566726                         |

|                                |                 |
|--------------------------------|-----------------|
| 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      | Tin             |
| Material - Plating Termination | Tin             |
| Net Weight                     | 2.018/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-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

China RoHS

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

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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