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Part Number:

0447640801

Status:

Active

Overview:

Micro-Fit Connector System

Description:

Micro-Fit BMI Receptacle Header, Dual Row, Right-Angle, with Press-fit Plastic Pegs, 2.54µm Tin (Sn), 8 Circuits

Documents:

3D Model (PDF)

Drawing (PDF)

3D Model

Product Specification PS-44300-001-001 (PDF)

Test Summary TS-44764-001-001 (PDF)

Symbol Footprint Data SYM-44764-0801 (PDF)

RoHS Certificate of Compliance (PDF)

Product Literature (PDF)



Series image - Reference only

Agency Certification

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

General

|                |                                      |
|----------------|--------------------------------------|
| Product Family | PCB Receptacles                      |
| Series         | 44764                                |
| Application    | Board-to-Board, Power, Wire-to-Board |
| Overview       | Micro-Fit Connector System           |
| Product Name   | Micro-Fit BMI                        |
| UPC            | 756054398524                         |

Physical

|                                |                 |
|--------------------------------|-----------------|
| Circuits (Loaded)              | 8               |
| Circuits (maximum)             | 8               |
| Durability (mating cycles max) | 30              |
| Flammability                   | 94V-0           |
| Glow-Wire Capable              | No              |
| Material - Metal               | Phosphor Bronze |
| Material - Plating Mating      | Tin             |
| Material - Plating Termination | Tin             |
| Net Weight                     | 2.433/g         |
| Number of Rows                 | 2               |
| Orientation                    | Right Angle     |
| PCB Locator                    | Yes             |
| PCB Retention                  | Yes             |
| PCB Thickness - Recommended    | 1.60mm          |
| Packaging Type                 | Tray            |
| Pitch - Mating Interface       | 3.00mm          |
| Plating min - Mating           | 1.016µm         |
| Plating min - Termination      | 1.016µm         |
| Polarized to PCB               | Yes             |
| Surface Mount Compatible (SMC) | No              |
| Temperature Range - Operating  | -40° to +105°C  |
| Termination Interface: Style   | Through Hole    |

Electrical

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 8.5A |
| Voltage - Maximum             | 600V |

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  |

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per -  
ECHA\_01\_2020 (16  
January 2020

Halogen-Free

Status

Low-Halogen

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

|                 |               |
|-----------------|---------------|
| China ROHS      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

Search Parts in this Series

44764 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-44300-001-001 |
| Sales Drawing         | SD-44764-001     |
| Symbol/Footprint Data | SYM-44764-0801   |
| Test Summary          | TS-44764-001-001 |

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