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**Part Number:** [0444322002](#)  
**Status:** **Active**  
**Overview:** [Micro-Fit Connector System](#)  
**Description:** Micro-Fit BMI Header, Dual Row, Vertical, with PCB Polarizing Peg, 20 Circuits, 0.38µm Gold (Au) Selective Plating, Kinked Tails

**Documents:**

|                                |  |
|--------------------------------|--|
| <a href="#">3D Model</a>       | <a href="#">Product Specification PS-44300-001-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>         |
| <a href="#">Drawing (PDF)</a>  | <a href="#">Product Literature (PDF)</a>                     |

**Agency Certification**

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

**General**

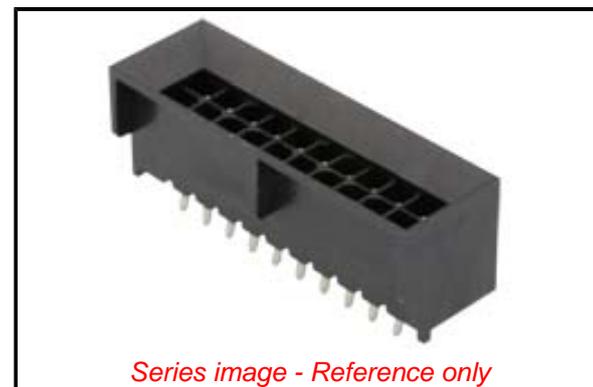
|                |  |
|----------------|--|
| Product Family | PCB Headers                                |
| Series         | <a href="#">44432</a>                      |
| Application    | Board-to-Board, Power, Wire-to-Board       |
| Comments       | High Temperature Square Pin Solder Type    |
| Overview       | <a href="#">Micro-Fit Connector System</a> |
| Product Name   | Micro-Fit BMI                              |
| UPC            | 800756378169                               |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 20                             |
| Circuits (maximum)             | 20                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 30                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | No                             |
| Material - Metal               | Brass                          |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 3.300/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| PC Tail Length                 | 3.30mm                         |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.60mm                         |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 3.00mm                         |
| Plating min - Mating           | 0.381µm                        |
| Plating min - Termination      | 2.540µm                        |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |
| Shrouded                       | Fully                          |
| Stackable                      | No                             |
| Surface Mount Compatible (SMC) | No                             |
| Temperature Range - Operating  | -40° to +105°C                 |
| Termination Interface: Style   | Through Hole                   |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 8.5A |
|-------------------------------|------|



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

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

**Halogen-Free**

**Status**

**Not 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**

[44432](#) Series

**Mates With**

[44133](#) Micro-Fit BMI Panel Mount  
Receptacle Housing, [44764](#) Micro-Fit BMI  
Receptacle Header, [44769](#) Micro-Fit BMI  
Receptacle Header

Voltage - Maximum 250V AC (RMS)/DC

**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

**Material Info**

**Reference - Drawing Numbers**

Product Specification PS-44300-001-001  
Sales Drawing SD-44432-001  
Symbol/Footprint Data SYM-44432-2001, SYM-44432-200X

This document was generated on 04/13/2020

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