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**Part Number:** [0444280806](#)  
**Status:** **Active**  
**Overview:** [Micro-Fit Connector System](#)  
**Description:** Micro-Fit BMI Header, Surface Mount Compatible, Dual Row, Right-Angle, without Snap-in Plastic Peg PCB Lock, 8 Circuits, 0.76µm Gold (Au) Selective Plating

**Documents:**

|                                                              |                                                      |
|--------------------------------------------------------------|------------------------------------------------------|
| <a href="#">3D Model</a>                                     | <a href="#">Test Summary 444280001-TS-000 (PDF)</a>  |
| <a href="#">Drawing (PDF)</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>             |

**Agency Certification**

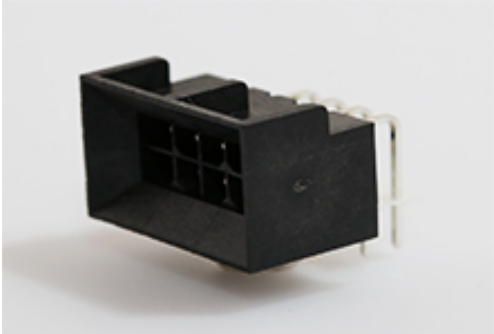
|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

**General**

|                             |                                                                                                                                    |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Product Family              | PCB Headers                                                                                                                        |
| Series                      | <a href="#">44428</a>                                                                                                              |
| 3D Viewer                   | Yes                                                                                                                                |
| Application                 | Board-to-Board, Power, Wire-to-Board                                                                                               |
| CURRENT-MAX-NUMERIC         | 8.5                                                                                                                                |
| Comments                    | High Temperature Square Pin Solder Type Polarized to Mating Part, High Temperature Square Pin Solder Type Polarized to Mating Part |
| Overview                    | <a href="#">Micro-Fit Connector System</a>                                                                                         |
| PITCH-MATING-NUMERIC        | 3.00                                                                                                                               |
| Product Literature Order No | 987650-5984                                                                                                                        |
| Product Name                | Micro-Fit BMI                                                                                                                      |
| UPC                         | 756054347430                                                                                                                       |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 8                              |
| Circuits (maximum)             | 8                              |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 30                             |
| First Mate / Last Break        | No                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | No                             |
| Guide to Mating Part           | No                             |
| Keying to Mating Part          | None                           |
| Lock to Mating Part            | Yes                            |
| Material - Metal               | Brass                          |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 2.057/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Right Angle                    |
| PC Tail Length                 | 3.50mm                         |
| PCB Locator                    | Yes                            |
| PCB Retention                  | None                           |
| PCB Thickness - Recommended    | 1.60mm                         |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 3.00mm                         |
| Plating min - Mating           | 0.762µm                        |
| Plating min - Termination      | 2.540µm                        |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**China RoHS**

**REACH SVHC**

Not Contained Per -  
ED/71/2019 (16 July  
2019)

**Halogen-Free**

**Status**

**Not 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**

[44428](#) Series

**Mates With**

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

|                                                |                  |
|------------------------------------------------|------------------|
| Polarized to PCB                               | Yes              |
| Shrouded                                       | Fully            |
| Stackable                                      | No               |
| Surface Mount Compatible (SMC)                 | Yes              |
| Temperature Range - Operating                  | -40° to +105°C   |
| Termination Interface: Style                   | Through Hole     |
| <b>Electrical</b>                              |                  |
| Current - Maximum per Contact                  | 8.5A             |
| Voltage - Maximum                              | 600V             |
| <b>Solder Process Data</b>                     |                  |
| Duration at Max. Process Temperature (seconds) | 005              |
| Lead-freeProcess Capability                    | WAVE             |
| Max. Cycles at Max. Process Temperature        | 001              |
| Process Temperature max. C                     | 260              |
| <b>Material Info</b>                           |                  |
| <b>Reference - Drawing Numbers</b>             |                  |
| Product Specification                          | PS-44300-001-001 |
| Sales Drawing                                  | SD-44428-001     |
| Symbol/Footprint Data                          | SYM-44428-0804_6 |
| Test Summary                                   | 444280001-TS-000 |

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