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**Part Number:** [0438790022](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit® Blind Mate Interface \(BMI\) Connectors](#)  
**Description:** Mini-Fit® BMI Header Compliant Pin Interface, Dual Row, Vertical, 4 Circuits, Tin (Sn) Plating

**Documents:**

|  |  |
|--|--|
| <a href="#">3D Model</a>                                   | <a href="#">Test Summary TS-43879-001 (PDF)</a>      |
| <a href="#">Drawing (PDF)</a>                              | <a href="#">RoHS Certificate of Compliance (PDF)</a> |
| <a href="#">Product Specification PS-43879-001 (PDF)</a>   | <a href="#">Product Literature (PDF)</a>             |
| <a href="#">Packaging Specification PK-43879-001 (PDF)</a> |  |

**Agency Certification**

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

**General**

|                               |   |
|-------------------------------|---|
| Product Family                | PCB Headers   |
| Series                        | <a href="#">43879</a>   |
| Application                   | Board-to-Board, Power, Wire-to-Board                            |
| Application Tooling Part Link | 62200-5800  |
| Application Tooling Part Link | 62200-9400  |
| Comments                      | Square Pin Compliant Pin  |
| Overview                      | <a href="#">Mini-Fit® Blind Mate Interface (BMI) Connectors</a> |
| Product Literature Order No   | USA-143   |
| Product Name                  | Mini-Fit® BMI   |
| UPC                           | 800753952096  |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 4                              |
| Circuits (maximum)             | 4                              |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 30                             |
| First Mate / Last Break        | No                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Compliant            | No                             |
| Guide to Mating Part           | No                             |
| Keying to Mating Part          | None                           |
| Lock to Mating Part            | Yes                            |
| Material - Metal               | Brass, Phosphor Bronze         |
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 2.949/g                        |
| Number of Rows                 | 2                              |
| Orientation                    | Vertical                       |
| PC Tail Length                 | 6.35mm                         |
| PCB Locator                    | No                             |
| PCB Retention                  | Yes                            |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 4.20mm                         |
| Pitch - Termination Interface  | 4.20mm                         |
| Plating min - Mating           | 2.540µm                        |
| Plating min - Termination      | 2.540µm                        |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | No                             |



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**

**Not 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  
ELV

Green Image  
Not Relevant

**Search Parts in this Series**

[43879 Series](#)

**Mates With**

[15-06-0040](#) UL 94V2 Mini-Fit® BMI Receptacle Housing, [15-06-0041](#) UL 94V0 Mini-Fit® BMI Receptacle Housing, [15-24-7040](#) UL 94V2 Mini-Fit® BMI Receptacle Header, [15-24-7041](#) UL 94V0 Mini-Fit® BMI Receptacle Header

**Application Tooling | [FAQ](#)**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

**Description**

**Product #**

|                                |                              |
|--------------------------------|------------------------------|
| Shrouded                       | Partial                      |
| Stackable                      | No                           |
| Surface Mount Compatible (SMC) | No                           |
| Temperature Range - Operating  | -40°C to +105°C              |
| Termination Interface: Style   | Through Hole - Compliant Pin |

**Electrical**

|                               |      |
|-------------------------------|------|
| Current - Maximum per Contact | 8.0A |
| Voltage - Maximum             | 600V |

**Solder Process Data**

|                              |     |
|------------------------------|-----|
| Lead-free Process Capability | N/A |
|------------------------------|-----|

**Material Info****Reference - Drawing Numbers**

|                         |              |
|-------------------------|--------------|
| Packaging Specification | PK-43879-001 |
| Product Specification   | PS-43879-001 |
| Sales Drawing           | SD-43879-021 |
| Test Summary            | TS-43879-001 |

|  |                   |
|--|-------------------|
| Compliant Pin                            | <u>0622005800</u> |
| Insertion Tooling Kit<br>for Arbor Press |                   |
| Flat Rock Tool for<br>Header             | <u>0622009400</u> |

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