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Part Number:

0438796016

Status:

Active

Overview:

Mini-Fit® Blind Mate Interface (BMI) Connectors

Description:

Mini-Fit® BMI Header Compliant Pin Interface, Dual Row, Vertical, 10 Circuits, Make First/Break Last, 0.76µm Gold (Au) Selective Contact Plating, Tin (Sn) Press-fit Tail Plating

Documents:

3D Model

Product Specification TS-43879-001-001 (PDF)

Drawing (PDF)

Packaging Specification PK-43879-001-000 (PDF)

Product Specification PS-43879-001-001 (PDF)

RoHS Certificate of Compliance (PDF)



Series image - Reference only

Agency Certification

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

General

|                               |                                                 |
|-------------------------------|-------------------------------------------------|
| Product Family                | PCB Headers                                     |
| Series                        | 43879                                           |
| Application                   | Board-to-Board, Power, Wire-to-Board            |
| Application Tooling Part Link | 62200-9400                                      |
| Comments                      | Square Pin Compliant Pin                        |
| Overview                      | Mini-Fit® Blind Mate Interface (BMI) Connectors |
| Product Name                  | Mini-Fit® BMI                                   |
| UPC                           | 822350046244                                    |

Physical

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 10                             |
| Circuits (maximum)             | 10                             |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 30                             |
| First Mate / Last Break        | Yes                            |
| 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      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 5.349/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                         |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | No                             |
| Shrouded                       | Fully                          |
| Stackable                      | No                             |
| Surface Mount Compatible (SMC) | No                             |
| Temperature Range - Operating  | -40°C to +105°C                |

EU ELV

Not Relevant

EU RoHS

Compliant

China RoHS

REACH SVHC

Not Contained Per  
-ED/01/2017 (12  
January 2017)

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      | Green Image   |
| ELV             | Not Relevant  |
| RoHS Phthalates | Not Contained |

Search Parts in this Series

43879 Series

Mates With

5557 Mini-Fit Jr.™ Receptacle Housing,  
42385 Mini-Fit® BMI Receptacle Header,  
Mini-Fit® BMI Receptacle Housing 42474 ,  
44516

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 #  |
|---------------------------|------------|
| Flat Rock Tool for Header | 0622009400 |

|                                    |                                    |
|------------------------------------|------------------------------------|
| Termination Interface: Style       | Through Hole - Compliant Pin       |
| <b>Electrical</b>                  |                                    |
| Current - Maximum per Contact      | 8.0A                               |
| Voltage - Maximum                  | 600V AC (RMS)/DC                   |
| <b>Solder Process Data</b>         |                                    |
| Lead-freeProcess Capability        | N/A                                |
| <b>Material Info</b>               |                                    |
| <b>Reference - Drawing Numbers</b> |                                    |
| Packaging Specification            | PK-43879-001-000                   |
| Product Specification              | PS-43879-001-001, TS-43879-001-001 |
| Sales Drawing                      | SD-43879-061-000                   |

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