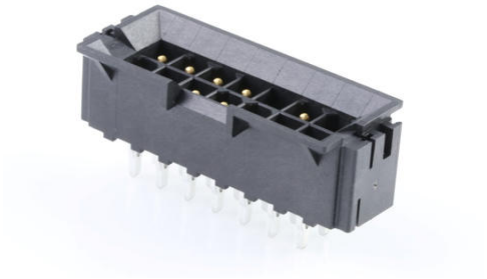
**Part Number :** 438796036
**Product Description :** Mini-Fit BMI First Mate/Last Break Header, Compliant Pin Interface, Dual Row, Vertical, 14 Circuits, 6.25mm Tail Length, Gold (Au) Plating
**Series Number :** 43879
**Status :** Active
**Product Category :** PCB Headers and Receptacles



## Documents and Resources

### Drawings

438796036_sd.pdf

PK-43879-001-000.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

### Specifications

PS-43879-001-001.pdf

TS-43879-001-001.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS

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- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

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## Part Details

### General

| | |
|---|---|
| Status | Active |
| Category | PCB Headers and Receptacles |
| Series | 43879 |
| Description | Mini-Fit BMI First Mate/Last Break Header, Compliant Pin Interface, Dual Row, Vertical, 14 Circuits, 6.25mm Tail Length, Gold (Au) Plating |
| Application | Board-to-Board, Wire-to-Board |
| Comments | Square Pin, Compliant Pin |
| Component Type | PCB Header |
| Product Name | Mini-Fit BMI |
| UPC | 884982611672 |

### Agency

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

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 8.0A |
| Voltage - Maximum | 600V AC (RMS)/DC |

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## Physical

| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 14 |
| Circuits (maximum) | 14 |
| Color - Resin | Black |
| Durability (mating cycles max) | 30 |
| First Mate / Last Break | Yes |
| Gender | Male |
| Glow-Wire Capable | No |
| Guide to Mating Part | Yes |
| Keying to Mating Part | No |
| Lock to Mating Part | Yes |
| Material - Metal | Phosphor Bronze |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Nylon |
| Net Weight | 7.089/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| Packaging Type | Tray |
| PCB Locator | No |
| PCB Retention | No |
| PCB Thickness - Recommended | 2.24mm |
| PC Tail Length | 6.25mm |
| Pitch - Mating Interface | 4.20mm |
| Pitch - Termination Interface | 4.20mm |
| Plating min - Mating | 0.762µm |
| Plating min - Termination | 2.540µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | No |
| Shrouded | Shrouded |
| Stackable | No |
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface Style | Through Hole - Compliant Pin |

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### Solder Process Data

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

## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
|---|---|
| Mini-Fit BMI Vertical Dual Row Receptacle Headers | 42385 |
| Mini-Fit BMI Dual Row Receptacle Housings | 42474 |
| Mini-Fit BMI Dual Row Receptacle Housings | 44516 |
| Mini-Fit Jr. Receptacle Housings | 5557 |



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