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**Part Number:** [0438790065](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit® Blind Mate Interface \(BMI\) Connectors](#)  
**Description:** Mini-Fit® BMI Header Compliant Pin Interface, Dual Row, Vertical, 24 Circuits, 0.76µm Gold (Au) Selective Contact Plating, Tin (Sn) Press-fit Tail 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>

**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	822350046152

**Physical**

Breakaway	No
Circuits (Loaded)	24
Circuits (maximum)	24
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	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	11.048/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	6.35mm
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Tray
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	Partial



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/79/2015 (17  
December 2015)

**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**

[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 #**

Compliant Pin	<a href="#">0622005800</a>
Insertion Tooling Kit for Arbor Press	

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

Flat Rock Tool for [0622009400](#)  
Header

**Electrical**

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

**Solder Process Data**

Lead-free Process Capability N/A

**Material Info**

**Reference - Drawing Numbers**

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

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