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**Part Number:** [0438790058](#)  
**Status:** **Active**  
**Overview:** Mini-Fit BMI Connectors  
**Description:** Mini-Fit® BMI Header Compliant Pin Interface, Dual Row, Vertical, 10 Circuits, 0.76µm Gold (Au) Selective Contact Plating, Tin (Sn) Press-fit Tail Plating

**Documents:**

<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-43879-001-000 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-43879-001-001 (PDF)</a>	<a href="#">Product Literature (PDF)</a>
<a href="#">Product Specification TS-43879-001-001 (PDF)</a>	

**Agency Certification**

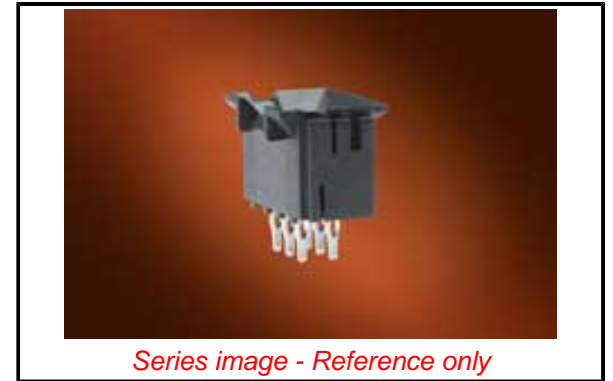
CSA	LR19980
UL	E29179

**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 BMI Connectors</a>
Product Literature Order No	USA-143
Product Name	Mini-Fit® BMI
UPC	822350046121

**Physical**

Breakaway	No
Circuits (Loaded)	10
Circuits (maximum)	10
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	5.289/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



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/30/2017 (7 July 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](#)

Shrouded	Partial
Stackable	No
Surface Mount Compatible (SMC)	Yes
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
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**Material Info****Reference - Drawing Numbers**

Packaging Specification	PK-43879-001-000
Product Specification	PS-43879-001-001, TS-43879-001-001
Sales Drawing	SD-43879-021-000

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