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**Part Number:** [0438790056](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Family Power Connectors](#)  
**Description:** Mini-Fit BMI Header Compliant Pin Interface, Dual Row, Vertical, 6 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="#">3D Model (PDF)</a>	<a href="#">Test Summary TS-43879-001-001 (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>	

**Agency Certification**

CSA	LR19980
UL	E29179

**Application tooling part link**

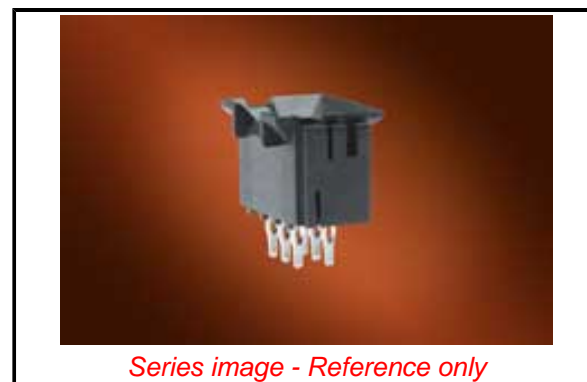
Application Tooling Part Link	62200-5800
Application Tooling Part Link	62200-9400

**General**

Product Family	PCB Headers
Series	<a href="#">43879</a>
Application	Board-to-Board, Power, Wire-to-Board
Comments	Square Pin Compliant Pin
Overview	<a href="#">Mini-Fit Family Power Connectors</a>
Product Name	Mini-Fit BMI
UPC	822350046114

**Physical**

Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	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	3.740/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	6.25mm
PCB Locator	No
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



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2021)4569-DC (8  
July 2021)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

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	<a href="#">622009400</a>

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

**Electrical**

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

**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
Sales Drawing	SD-43879-021-000
Test Summary	TS-43879-001-001

This document was generated on 11/04/2021

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