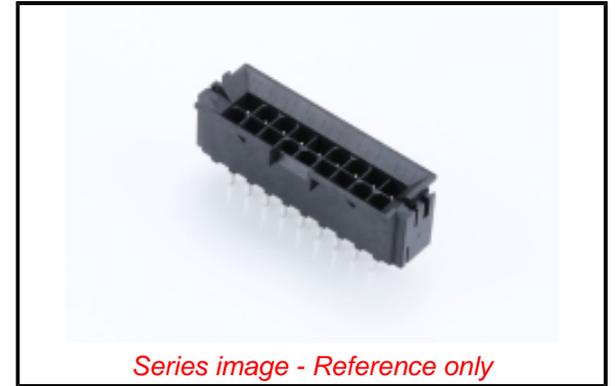


**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0438790029**  
**Status:** **Active**  
**Overview:** Mini-Fit Family Power Connectors  
**Description:** Mini-Fit BMI Header Compliant Pin Interface, Dual Row, Vertical, 18 Circuits, Tin (Sn) Plating

**Documents:**

<a href="#">Drawing (PDF)</a>	<a href="#">Packaging Specification PK-43879-001-000 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Test Summary TS-43879-001-001 (PDF)</a>
<a href="#">3D Model (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	<u>43879</u>
Application	Board-to-Board, Power, Wire-to-Board
Comments	Square Pin, Compliant Pin
Overview	<u>Mini-Fit Family Power Connectors</u>
Product Name	Mini-Fit BMI
Taxonomy	PCB Headers and Receptacles
UPC	800753952102

**Physical**

Breakaway	No
Circuits (Loaded)	18
Circuits (maximum)	18
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	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	8.420/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	2.540µm
Plating min - Termination	2.540µm

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**Not Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

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	<u>622009400</u>
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Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
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 10/14/2022

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