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Part Number: **0438795003**
Status: **Active**
Overview: Mini-Fit® Blind Mate Interface (BMI) Connectors
Description: Mini-Fit® BMI Header Compliant Pin Interface, Dual Row, Vertical, 10 Circuits, Board Mounting Clips, 2.54µm Tin (Sn) over Nickel Plating

Documents:

3D Model	Product Specification TS-43879-001-001 (PDF)
Drawing (PDF)	Packaging Specification PK-43879-001-000 (PDF)
Product Specification PS-43879-001-001 (PDF)	RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	43879
Application	Board-to-Board, Power, Wire-to-Board
Application Tooling Part Link	62200-9400
Comments	Square Pin Compliant Pin
Overview	Mini-Fit® Blind Mate Interface (BMI) Connectors
Product Name	Mini-Fit® BMI
UPC	756054879023

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	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	5.599/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	6.35mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	3.18mm
Packaging Type	Tray
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/21/2016 (20 June 2016)

Halogen-Free

Status

Not Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

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	0622009400
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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

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-43879-001-000

Product Specification

PS-43879-001-001, TS-43879-001-001

Sales Drawing

SD-43879-051-000

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