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Part Number: [0438790058](#)

Status: **Active**

Overview: [Mini-Fit® Blind Mate Interface \(BMI\) 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:

[3D Model](#)

[Drawing \(PDF\)](#)

[Product Specification PS-43879-001 \(PDF\)](#)

[Packaging Specification PK-43879-001 \(PDF\)](#)

[Test Summary TS-43879-001 \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

[Product Literature \(PDF\)](#)

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 62200-5800
Application Tooling Part Link 62200-9400
Comments Square Pin|Compliant Pin
Overview [Mini-Fit® Blind Mate Interface \(BMI\) Connectors](#)
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/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

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	0622005800
Insertion Tooling Kit for Arbor Press	

Shrouded	Partial
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 Header	0622009400
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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
Product Specification	PS-43879-001
Sales Drawing	SD-43879-021
Test Summary	TS-43879-001

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