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Part Number: **0438790058**
Status: **Active**
Overview: [Mini-Fit Family Power 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	Packaging Specification PK-43879-001-000 (PDF)
3D Model (PDF)	Test Summary TS-43879-001-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-43879-001-001 (PDF)	

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	43879
Application	Board-to-Board, Power, Wire-to-Board
Comments	Square Pin Compliant Pin
Overview	Mini-Fit Family Power Connectors
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 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	5.289/g
Number of Rows	2
Orientation	Vertical
PC Tail Length	6.25mm
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



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2021)10043-DC (17
Jan 2022)

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	622009400
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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

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