



Part Number : [438790056](#)
Product 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
Series Number : 43879
Status : Active
Product Category : PCB Headers and
Receptacles



Documents & Resources

Drawings
[Drawing 438790056_sd.pdf](#)
[Packaging Design Drawing PK-43879-001-000.pdf](#)

3D Models and Design Files
[3D Model 438790056_stp.zip](#)

Specifications
[Product Specification PS-43879-001-001.pdf](#)
[Test Summary TS-43879-001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
EU RoHS	Compliant per EU 2015/863

Multiple Part Product Compliance Statements
- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	43879
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
Application	Board-to-Board, Power, Wire-to-Board
Comments	Square Pin, Compliant Pin
Component Type	PCB Header
Product Family	Mini-Fit Family Power Connectors
Product Name	Mini-Fit BMI
UPC	822350046114

Agency

CSA	LR19980
UL	E29179

Electrical

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

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
Packaging Type	Tray
PC Tail Length	6.25mm
PCB Locator	No
PCB Retention	Yes
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
Shrouded	Fully
Stackable	No
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole - Compliant Pin

Solder Process Data

Lead-Free Process Capability	N/A
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Mates With / Use With

Mates with Part(s)

Description	Part Number
Mini-Fit BMI Vertical Dual Row Receptacle Headers	<u>42385</u>
Mini-Fit BMI Dual Row Receptacle Housings	<u>42474</u>
Mini-Fit BMI Dual Row Receptacle Housings	<u>44516</u>
Mini-Fit Jr. Receptacle Housings	<u>5557</u>

Application Tooling

Global

Description	Part Number
Flat Rock Tool for Header	<u>0622009400</u>

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