

Part Number: 438790025

**Product Description:** Mini-Fit BMI Header

Compliant Pin Interface, Dual Row, Vertical, 10 Circuits,

Tin (Sn) Plating

Series Number: 43879

**Status**: Active

**Product Category :** PCB Headers and Receptacles



#### **Documents & Resources**

## **Drawings**

438790025 sd.pdf

PK-43879-001-000.pdf

#### **3D Models and Design Files**

STEP AP242

**SOLIDWORKS** 

Creo

Symbol and Footprint (Multi-Format)

### **Specifications**

PS-43879-001-001.pdf

TS-43879-001-001.pdf

## **Product Environment Compliance**

## **Compliance**

GADSL/IMDS	Not Relevant
China RoHS	<u>⊚</u> per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

## **Compliance Statements**

- EU RoHS
- REACH SVHC
- Low-Halogen

## **Industry Documents**

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

### **Substances of Interest**

PFAS

## **EU RoHS Certificate of Compliance**

## Additional Product Compliance Information

#### **Part Details**

#### **General**

Status	Active
Category	PCB Headers and Receptacles
Series	43879
Description	Mini-Fit BMI Header Compliant Pin Interface, Dual Row, Vertical, 10 Circuits, Tin (Sn) Plating
Application	Board-to-Board, Power, Wire-to- Board
Comments	Square Pin, Compliant Pin
Component Type	PCB Header
Product Name	Mini-Fit BMI
UPC	800753236493

## **Agency**

CSA	LR19980
UL	E29179

#### **Electrical**

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

# 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	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	5.289/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PCB Locator	No
PCB Retention	Yes
PC Tail Length	6.25mm
Pitch - Mating Interface	4.20mm
Pitch - Termination Interface	4.20mm
Plating min - Mating	2.540µm
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

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>622009400</u>

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