molex



Part Number : 438790032
Product Description : Mini-Fit BMI Header Compliant Pin Interface, Dual Row, Vertical, 24 Circuits, Tin (Sn) Plating
Series Number : 43879
Status : Active
Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings

438790032_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	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(2024)7663-DC (21 Jan 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, 24 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	800753236509

Agency

CSA	LR19980
UL	E29179

Electrical

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

Physical

Breakaway	No
Circuits (Loaded)	24
Circuits (maximum)	24
Color - Resin	Black
Durability (mating cycles max)	30
First Mate / Last Break	No
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	11.048/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

Solder Process Data

Lead-Free Process Capability	N/A

Mates With / Use With

Mates with Part(s)

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

Application Tooling

Global

Description	Part Number
Flat Rock Tool for Header	622009400