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Part Number:

43879-0038

Status:

Active

Overview:

Mini-Fit® Compliant Pin Interface (CPI)

Description:

4.20mm Pitch Mini-Fit® CPI Header, Compliant Pin Interface, Dual Row, Vertical, 14 Circuits, Gold (Au) Selective Contact Plating, Tin/Lead (Sn/Pb) Press-fit Tail Plating



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-43879-001 \(PDF\)](#)
- [Test Summary TS-43879-001 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)
- [Product Literature \(PDF\)](#)

Agency Certification

CSA	LR19980
TUV	R72081037
UL	E29179

General

Product Family	PCB Headers
Series	43879
Application	Board-to-Board, Power, Wire-to-Board
Application Tooling Part Link	622005800
Application Tooling Part Link	622009400
Comments	Square Pin Compliant Pin
Overview	Mini-Fit® Compliant Pin Interface (CPI)
Product Literature Order No	USA-143
Product Name	Mini-Fit® CPI

Physical

Breakaway	No
Circuits (Loaded)	14
Circuits (maximum)	14
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-Lead
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Vertical
PC Tail Length	6.35mm
PCB Locator	No
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
Shrouded	Partial

EU RoHS

RoHS Compliant by Exemption

REACH SVHC

Contains SVHC: No

Low-Halogen Status

Not Reviewed

China RoHS



Pb

Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
43879Series

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.

Description	Product #
Flat Rock Tool for Header	0622009400
Compliant Pin Insertion Tooling Kit for Arbor Press	0622005800

Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin
Electrical	
Current - Maximum per Contact	8A
Voltage - Maximum	600V
Solder Process Data	
Replacement RoHS Compliant Part Number	0438790060
Material Info	
UPC	800754895712
Reference - Drawing Numbers	
Product Specification	PS-43879-001
Sales Drawing	SD-43879-021
Test Summary	TS-43879-001

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