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Part Number: [43879-0040](#)
Status: **Active**
Overview: Mini-Fit® Compliant Pin Interface (CPI)
Description: 4.20mm Pitch Mini-Fit® CPI Header, Compliant Pin Interface, Dual Row, Vertical, 18 Circuits, Gold (Au) Selective Contact Plating, Tin/Lead (Sn/Pb) Press-fit Tail Plating

Documents:

3D Model	Test Summary TS-43879-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-43879-001 (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)	18
Circuits (maximum)	18
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 Low-Halogen	China RoHS  Pb
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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.

Global

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	0438790062
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Material Info**Reference - Drawing Numbers**

Product Specification	PS-43879-001
Sales Drawing	SD-43879-021
Test Summary	TS-43879-001

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