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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:**

<a href="#">3D Model</a>	<a href="#">Test Summary TS-43879-001 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-43879-001 (PDF)</a>	<a href="#">Product Literature (PDF)</a>

**Agency Certification**

CSA	LR19980
TUV	R72081037
UL	E29179


**General**

Product Family	PCB Headers
Series	<a href="#">43879</a>
Application	Board-to-Board, Power, Wire-to-Board
Application Tooling Part Link	<a href="#">622005800</a>
Application Tooling Part Link	<a href="#">622009400</a>
Comments	Square Pin Compliant Pin
Overview	<a href="#">Mini-Fit® Compliant Pin Interface (CPI)</a>
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



<b>EU RoHS</b> RoHS Compliant by Exemption REACH SVHC Contains SVHC: No Low-Halogen Status Not Low-Halogen	<b>China RoHS</b>  Pb
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**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto: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	<a href="#">0622009400</a>
Compliant Pin Insertion Tooling Kit for Arbor Press	<a href="#">0622005800</a>

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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