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**Part Number:** [0438790029](#)  
**Status:** **Active**  
**Overview:** [minifit\\_cpi](#)  
**Description:** 4.20mm Pitch Mini-Fit® CPI Header, Compliant Pin Interface, Dual Row, Vertical, 18 Circuits, Tin (Sn) Plating

**Documents:**

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

**Agency Certification**

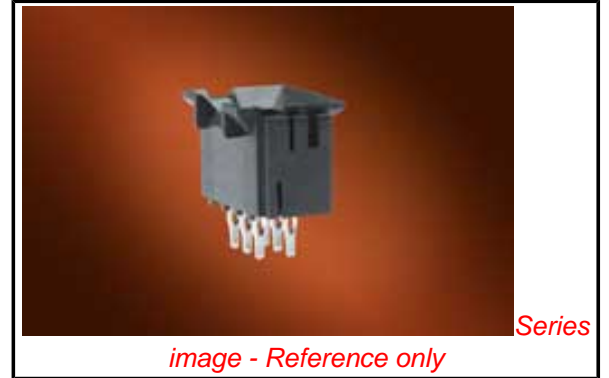
CSA LR19980  
TUV R72081037  
UL E29179

**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 [minifit\\_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 Tin  
Material - Plating Termination Tin  
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 2.540µm  
Plating min - Termination 2.540µm  
Polarized to Mating Part Yes  
Polarized to PCB No  
Shrouded Partial  
Stackable No



**EU RoHS**

**ELV and RoHS Compliant**  
**REACH SVHC Contains SVHC: No**  
**Low-Halogen Status Not Low-Halogen**

**China RoHS**



**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 Mini-Fit CPI™ Header	<a href="#">0622009400</a>
Compliant Pin Insertion Tooling Kit for Arbor Press	<a href="#">0622005800</a>

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

**Material Info****Reference - Drawing Numbers**

Product Specification	PS-43879-001
Sales Drawing	SD-43879-021

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