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**Part Number:** [0438790025](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit CPI™](#)  
**Description:** 4.20mm (.165") Pitch Mini-Fit CPI™ Header, Compliant Pin Interface, Dual Row, Vertical, 10 Circuits, Tin (Sn) Plating

**Documents:**

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

**Agency Certification**

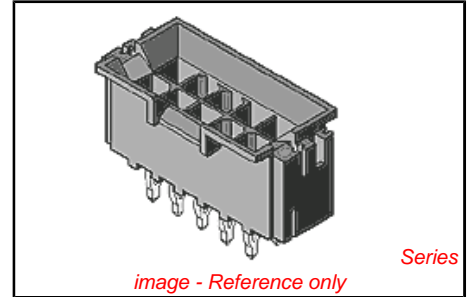
CSA LR19980  
TUV R72081037  
UL E29179

**General**

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

**Physical**

Breakaway No  
Circuits (Loaded) 10  
Circuits (maximum) 10  
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 (in) 0.250 In  
PC Tail Length (mm) 6.35 mm  
PCB Locator No  
PCB Retention Yes  
Packaging Type Tray  
Pitch - Mating Interface (in) 0.165 In  
Pitch - Mating Interface (mm) 4.20 mm  
Pitch - Term. Interface (in) 0.165 In  
Pitch - Term. Interface (mm) 4.20 mm  
Plating min: Mating (µin) 100  
Plating min: Mating (µm) 2.50  
Plating min: Termination (µin) 100



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

**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**

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

Plating min: Termination ( $\mu\text{m}$ )	2.50
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Partial
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

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

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

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