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Part Number: [43879-0065](#)
Status: **Active**
Overview: Mini-Fit® Compliant Pin Interface (CPI)
Description: 4.20mm Pitch Mini-Fit® CPI Header, Compliant Pin Interface, Dual Row, Vertical, 24 Circuits, 0.76µm Gold (Au) Selective Contact Plating, Tin (Sn) 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 |
| 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 |
| UPC | 822350046152 |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 24 |
| Circuits (maximum) | 24 |
| 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 |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 11.048/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| PC Tail Length | 6.35mm |
| PCB Locator | Yes |
| 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 |



| | |
|---|-----------------------|
| 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
 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 # |
|---------------------------------------|----------------------------|
| Compliant Pin | 0622005800 |
| Insertion Tooling Kit for Arbor Press | |
| Flat Rock Tool for Header | 0622009400 |

| | |
|--------------------------------|------------------------------|
| Shrouded | Partial |
| Stackable | No |
| Surface Mount Compatible (SMC) | Yes |
| 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 |
| Test Summary | TS-43879-001 |

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