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Part Number:

43879-0029

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, Tin (Sn) Plating



Series  
image - Reference only

|                                                          |                                                      |
|----------------------------------------------------------|------------------------------------------------------|
| 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                         | 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                       | <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      | 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                                                 |

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

Low-Halogen Status

Not Reviewed

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 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 |

**Material Info**

|     |              |
|-----|--------------|
| UPC | 800753952102 |
|-----|--------------|

**Reference - Drawing Numbers**

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

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