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**Part Number:** [42819-2232](#)  
**Status:** **Active**  
**Overview:** [Mini-Fit Sr.™](#)  
**Description:** 10.00mm Pitch Mini-Fit Sr.™ Header, Single Row, Vertical, 2 Circuits, 3.18mm PCB Thickness, Tin (Sn) Plating

**Documents:**

|                                                          |                                                      |
|----------------------------------------------------------|------------------------------------------------------|
| <a href="#">3D Model</a>                                 | <a href="#">Test Summary TS-42815-001 (PDF)</a>      |
| <a href="#">Drawing (PDF)</a>                            | <a href="#">RoHS Certificate of Compliance (PDF)</a> |
| <a href="#">Product Specification PS-42815-001 (PDF)</a> |                                                      |

**Agency Certification**

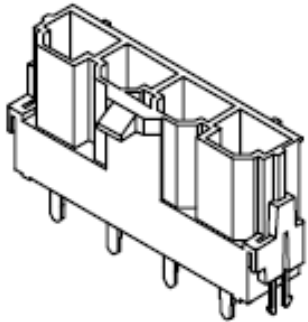
|     |           |
|-----|-----------|
| CSA | LR19980   |
| TUV | R72081037 |
| UL  | E29179    |

**General**

|                |                               |
|----------------|-------------------------------|
| Product Family | PCB Headers                   |
| Series         | <a href="#">42819</a>         |
| Application    | Power, Wire-to-Board          |
| Overview       | <a href="#">Mini-Fit Sr.™</a> |
| Product Name   | Mini-Fit Sr.™                 |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 2                              |
| Circuits (maximum)             | 2                              |
| 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                          |
| Material - Plating Mating      | Tin                            |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Number of Rows                 | 1                              |
| Orientation                    | Vertical                       |
| PC Tail Length                 | 5.10mm                         |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 3.20mm                         |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 10.00mm                        |
| Pitch - Termination Interface  | 10.00mm                        |
| Plating min - Mating           | 2.540µm                        |
| Plating min - Termination      | 2.540µm                        |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |
| Shrouded                       | Fully                          |
| Stackable                      | No                             |
| Surface Mount Compatible (SMC) | No                             |
| Temperature Range - Operating  | -40°C to +105°C                |



Series

image - Reference only

**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**

[42819Series](#)

**Mates With**

Mini-Fit Sr.™ Receptacle Housing with TPA  
[42816](#)

|                                                |                                                                                                              |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Termination Interface: Style                   | Through Hole                                                                                                 |
| <b>Electrical</b>                              |                                                                                                              |
| Current - Maximum per Contact                  | 50A                                                                                                          |
| Voltage - Maximum                              | 600V                                                                                                         |
| <b>Solder Process Data</b>                     |                                                                                                              |
| Duration at Max. Process Temperature (seconds) | 3                                                                                                            |
| Lead-free Process Capability                   | Wave Capable (TH only)                                                                                       |
| Max. Cycles at Max. Process Temperature        | 1                                                                                                            |
| Process Temperature max. C                     | 265                                                                                                          |
| <b>Material Info</b>                           |                                                                                                              |
| <b>Reference - Drawing Numbers</b>             |                                                                                                              |
| Product Specification                          | PS-42815-001, RPS-42815-001, RPS-42815-011,<br>RPS-42815-012, RPS-42815-013, RPS-42815-014,<br>RPS-42815-015 |
| Sales Drawing                                  | SDA-42819-0002                                                                                               |
| Test Summary                                   | TS-42815-001                                                                                                 |

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