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**Part Number:** **0428192233**  
**Status:** **Active**  
**Overview:** Mini-Fit Sr. Power Connectors  
**Description:** 10.00mm Pitch Mini-Fit Sr. Header, Single Row, Vertical, 3.18mm PCB Thickness, 0.76µm Gold (Au) Selective Plating, 2 Circuits

**Documents:**

|                                |   |
|--------------------------------|---|
| <a href="#">3D Model</a>       | <a href="#">Product Specification PS-42815-001-001 (PDF)</a>    |
| <a href="#">Drawing (PDF)</a>  | <a href="#">Packaging Specification PK-42819-2375-001 (PDF)</a> |
| <a href="#">3D Model (PDF)</a> | <a href="#">RoHS Certificate of Compliance (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. Power Connectors</a> |
| Product Name   | Mini-Fit Sr.                                  |
| UPC            | 800756512723                                  |

**Physical**

|                                |                                |
|--------------------------------|--------------------------------|
| Breakaway                      | No                             |
| Circuits (Loaded)              | 2                              |
| Circuits (maximum)             | 2                              |
| Color - Resin                  | Black                          |
| Durability (mating cycles max) | 100                            |
| First Mate / Last Break        | No                             |
| Flammability                   | 94V-0                          |
| Glow-Wire Capable              | No                             |
| Guide to Mating Part           | No                             |
| Keying to Mating Part          | None                           |
| Lock to Mating Part            | Yes                            |
| Material - Metal               | Brass                          |
| Material - Plating Mating      | Gold                           |
| Material - Plating Termination | Tin                            |
| Material - Resin               | High Temperature Thermoplastic |
| Net Weight                     | 5.525/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Vertical                       |
| PC Tail Length                 | 5.10mm                         |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 3.18mm                         |
| Packaging Type                 | Tray                           |
| Pitch - Mating Interface       | 10.00mm                        |
| Pitch - Termination Interface  | 10.00mm                        |
| Plating min - Mating           | 0.762µm                        |
| Plating min - Termination      | 2.540µm                        |
| Polarized to Mating Part       | Yes                            |
| Polarized to PCB               | Yes                            |
| Shrouded                       | Fully                          |
| Stackable                      | No                             |
| Surface Mount Compatible (SMC) | No                             |



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
ECHA\_01\_2020 (16  
January 2020

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[42819 Series](#)

**Mates With**

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

|                               |                |
|-------------------------------|----------------|
| Temperature Range - Operating | -40° to +105°C |
| Termination Interface: Style  | Through Hole   |

**Electrical**

|                               |       |
|-------------------------------|-------|
| Current - Maximum per Contact | 50.0A |
| Voltage - Maximum             | 600V  |

**Solder Process Data**

|  |          |
|--|----------|
| Duration at Max. Process Temperature (seconds) | 030      |
| Lead-free Process Capability                   | SMC&WAVE |
| Max. Cycles at Max. Process Temperature        | 003      |
| Process Temperature max. C                     | 235      |

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

|                         |                    |
|-------------------------|--------------------|
| Packaging Specification | PK-42819-2375-001  |
| Product Specification   | PS-42815-001-001   |
| Sales Drawing           | SDA-42819-0002-001 |

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