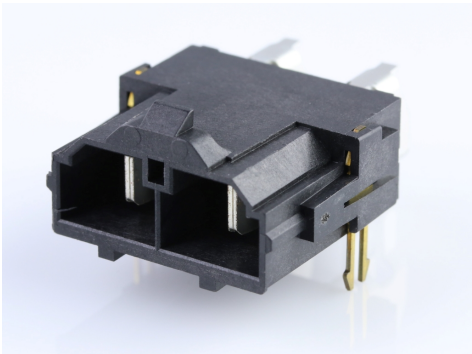




**Part Number :** [428202213](#)  
**Product Description :** 10.00mm Pitch Mini-Fit  
Sr. Header, Single Row, Right-Angle, 1.57mm  
PCB Thickness, 0.76µm Gold (Au) Selective  
Plating, 2 Circuits  
**Series Number :** 42820  
**Status :** Active  
**Product Category :** PCB Headers and  
Receptacles



## Documents & Resources

**Drawings**  
[428202213\\_sd.pdf](#)  
[PK-42820-910-001.pdf](#)

**3D Models and Design Files**  
[428202213\\_stp.zip](#)

**Specifications**  
[PS-42815-001-001.pdf](#)

## Product Environment Compliance

### Compliance

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| GADSL/IMDS         | Compliant with Exemption 44; 34; 33                                                   |
| China RoHS         |  |
| EU ELV             | Not Relevant                                                                          |
| Low-Halogen Status | Not Low-Halogen per IEC 61249-2-21                                                    |
| REACH SVHC         | Not Contained per D(2024)7663-DC (21 Jan 2025)                                        |
| EU RoHS            | Compliant per EU 2015/863                                                             |

Multiple Part Product Compliance Statements  
- Eu RoHS  
- REACH SVHC  
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## EU RoHS Certificate of Compliance

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### Part Details

#### General

|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| Status         | Active                                                                                                                           |
| Category       | PCB Headers and Receptacles                                                                                                      |
| Series         | 42820                                                                                                                            |
| Description    | 10.00mm Pitch Mini-Fit Sr. Header, Single Row, Right-Angle, 1.57mm PCB Thickness, 0.76µm Gold (Au) Selective Plating, 2 Circuits |
| Application    | Power, Wire-to-Board                                                                                                             |
| Component Type | PCB Header                                                                                                                       |
| Product Name   | Mini-Fit Sr.                                                                                                                     |
| UPC            | 800756513836                                                                                                                     |

#### Agency

|     |         |
|-----|---------|
| CSA | LR19980 |
| UL  | E29179  |

#### Electrical

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

#### 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                     | 6.841/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Right Angle                    |
| Packaging Type                 | Tube                           |
| PC Tail Length                 | 3.50mm                         |
| PCB Locator                    | Yes                            |
| PCB Retention                  | Yes                            |
| PCB Thickness - Recommended    | 1.57mm                         |
| 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                             |
| Temperature Range - Operating  | -40° to +105°C                 |
| Termination Interface Style    | Through Hole                   |

## Solder Process Data

|                              |          |
|------------------------------|----------|
| Max-Duration                 | 30       |
| Lead-Free Process Capability | SMC&WAVE |
| Max-Cycle                    | 3        |
| Max-Temp                     | 235      |

## Mates With / Use With

### Mates with Part(s)

| Description                                                                                                                 | Part Number      |
|-----------------------------------------------------------------------------------------------------------------------------|------------------|
| Mini-Fit Sr.-to-Mini-Fit Sr. Off-the-Shelf (OTS) Cable Assembly, 10.00mm Pitch, Single Row, 0.15m Length, 2 Circuits, Black | <u>369240201</u> |
| Mini-Fit Sr.-to-Mini-Fit Sr. Off-the-Shelf (OTS) Cable Assembly, 10.00mm Pitch, Single Row, 0.30m Length, 2 Circuits, Black | <u>369240203</u> |
| Mini-Fit Sr.-to-Mini-Fit Sr. Off-the-Shelf (OTS) Cable Assembly, 10.00mm Pitch, Single Row, 1.0m Length, 2 Circuits, Black  | <u>369240210</u> |
| 10.00mm Pitch Mini-Fit Sr. Single Row Receptacle Housings                                                                   | <u>42816</u>     |

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