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Part Number: [0428204233](#)
Status: **Active**
Overview: [Mini-Fit Sr. Power Connectors](#)
Description: 10.00mm Pitch Mini-Fit Sr. Header, Single Row, Right-Angle, 3.18mm PCB Thickness, 0.76µm Gold (Au) Selective Plating, 4 Circuits

Documents:

| | |
|--------------------------------|--|
| Drawing (PDF) | Product Specification PS-42815-001-001 (PDF) |
| 3D Model | Packaging Specification PK-42820-910-001 (PDF) |
| 3D Model (PDF) | RoHS Certificate of Compliance (PDF) |

Agency Certification

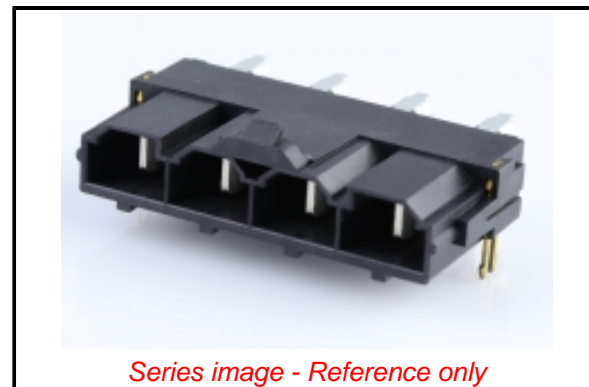
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|-----|---------|
| CSA | LR19980 |
| UL | E29179 |

General

| | |
|----------------|---|
| Product Family | PCB Headers |
| Series | 42820 |
| Application | Power, Wire-to-Board |
| Component Type | PCB Header |
| Overview | Mini-Fit Sr. Power Connectors |
| Product Name | Mini-Fit Sr. |
| Taxonomy | PCB Headers and Receptacles |
| UPC | 800756515793 |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 4 |
| Circuits (maximum) | 4 |
| 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 | 13.296/g |
| Number of Rows | 1 |
| Orientation | Right Angle |
| PC Tail Length | 5.10mm |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 3.18mm |
| Packaging Type | Tube |
| 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 |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained per -
D(2022)9120-DC (17
Jan 2023)

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

[42820 Series](#)

Mates With

Mini-Fit Sr. Receptacle Housing with
TPA [42816](#) . Mini-Fit Sr. Cable Assembly
[369240401](#) , [369240403](#) , [369240410](#)

| | |
|--------------------------------|----------------|
| Surface Mount Compatible (SMC) | No |
| 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-42820-910-001 |
| Product Specification | PS-42815-001-001 |
| Sales Drawing | SDA-42820-0002-001 |

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