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Part Number: [42820-3213](#)
Status: **Active**
Overview: Mini-Fit Sr.™
Description: 10.00mm Pitch Mini-Fit Sr.™ Header, Single Row, Right Angle, 3 Circuits, 1.57mm PCB Thickness, 0.76µm Gold (Au) Selective Plating

Documents:

[3D Model](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Drawing \(PDF\)](#)

Agency Certification

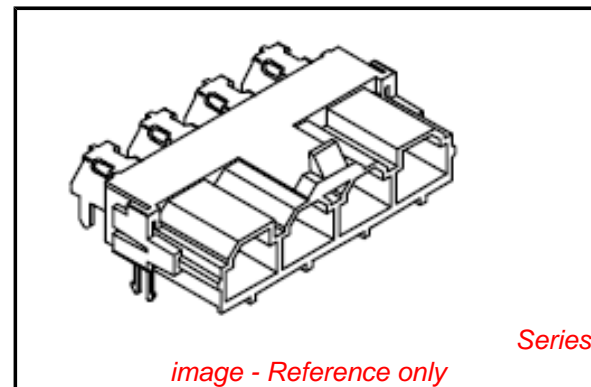
| | |
|-----|-----------|
| CSA | LR19980 |
| TUV | R72131193 |
| UL | E29179 |

General

| | |
|----------------|-------------------------------|
| Product Family | PCB Headers |
| Series | 42820 |
| Application | Power, Wire-to-Board |
| MolexKits | Yes |
| Overview | Mini-Fit Sr.™ |
| Product Name | Mini-Fit Sr.™ |
| UPC | 800756513935 |

Physical

| | |
|--------------------------------|--------------------------------|
| Breakaway | No |
| Circuits (Loaded) | 3 |
| Circuits (maximum) | 3 |
| Color - Resin | Black |
| Durability (mating cycles max) | 100 |
| 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 | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | High Temperature Thermoplastic |
| Net Weight | 9.540/g |
| Number of Rows | 1 |
| Orientation | Right Angle |
| PC Tail Length | 3.50mm |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm |
| 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 |



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
 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

[42820Series](#)

Mates With

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

| | |
|--------------------------------|-----------------|
| Surface Mount Compatible (SMC) | No |
| Temperature Range - Operating | -40°C to +105°C |
| Termination Interface: Style | Through Hole |

Electrical

| | |
|-------------------------------|------|
| Current - Maximum per Contact | 50A |
| Voltage - Maximum | 600V |

Solder Process Data

| | |
|--|------------------------|
| 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 |

Material Info

Reference - Drawing Numbers

| | |
|-----------------------|---|
| Product Specification | RPS-42815-011, RPS-42815-012, RPS-42815-013, RPS-42815-014 |
| Sales Drawing | SDA-42820-0002 |

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