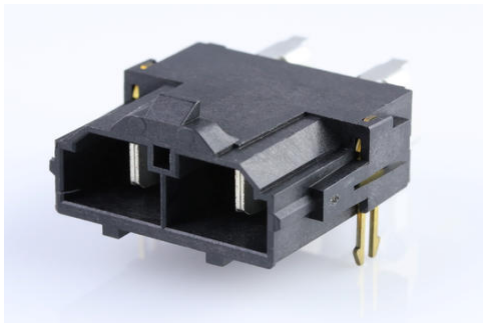




**Part Number :** [428202243](#)  
**Product Description :** 10.00mm Pitch Mini-Fit Sr.  
Header, Single Row, Right-Angle, 6.35mm PCB  
Thickness, 0.76µm Gold (Au) Selective Plating, 2  
Circuits  
**Series Number :** 42820  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

### Drawings

[428202243 sd.pdf](#)  
[PK-42820-910-001.pdf](#)

### 3D Models and Design Files


[STEP AP242](#)  
[SOLIDWORKS](#)  
[Creo](#)  
[Symbol and Footprint \(Multi-Format\)](#)

### Specifications

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

## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

### Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

### Industry Documents

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

### Substances of Interest

- PFAS

### EU RoHS Certificate of Compliance

### Additional Product Compliance Information

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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, 6.35mm 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	800756513911

### 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	7.413/g
Number of Rows	1
Orientation	Right Angle
Packaging Type	Tube
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	6.35mm
PC Tail Length	8.30mm
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

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## 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><a href="#">369240201</a></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><a href="#">369240203</a></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><a href="#">369240210</a></u>
10.00mm Pitch Mini-Fit Sr. Single Row Receptacle Housings	<u><a href="#">42816</a></u>

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