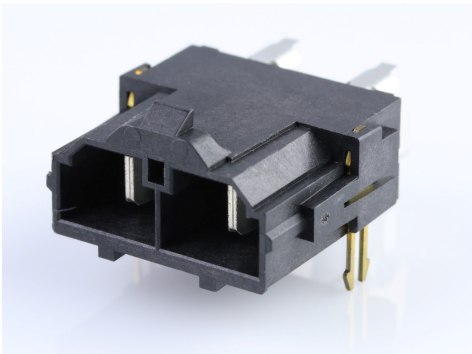




**Part Number :** [428202223](#)  
**Product Description :** 10.00mm Pitch Mini-Fit  
Sr. Header, Single Row, Right-Angle, 2.36mm  
PCB Thickness, 0.76µm Gold (Au) Selective  
Plating, 2 Circuits  
**Series Number :** 42820  
**Status :** Active  
**Product Category :** PCB Headers and  
Receptacles



## Documents & Resources

**Drawings**  
[428202223\\_sd.pdf](#)  
[PK-42820-910-001.pdf](#)

**3D Models and Design Files**  
[428202223\\_stp.zip](#)

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

## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
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, 2.36mm 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	800756513898

#### 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	6.975/g
Number of Rows	1
Orientation	Right Angle
Packaging Type	Tube
PC Tail Length	5.10mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	2.36mm
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>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>