



**Part Number :** [428193232](#)

**Product Description :** 10.00mm Pitch Mini-Fit Sr. Header, Single Row, Vertical, 3.18mm PCB Thickness, Tin (Sn) Plating, 3 Circuits, USE NYE LUBE ON MATING SURFACES

**Series Number :** 42819

**Status :** Active

**Product Category :** PCB Headers and Receptacles

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## Documents and Resources

### Drawings

[428193232 sd.pdf](#)

[PK-42819-2375-001.pdf](#)

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

### Specifications

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


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

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

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Not Relevant
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)6375-DC (05 Nov 2025) SCIP:9b57ad9e-307b-418e-

	a95f-35bbea3c472a
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

## Part Details

### General

Status	Active
Category	PCB Headers and Receptacles
Series	42819
Description	10.00mm Pitch Mini-Fit Sr. Header, Single Row, Vertical, 3.18mm PCB Thickness, Tin (Sn) Plating, 3 Circuits, USE NYE LUBE ON MATING SURFACES
Application	Power, Wire-to-Board
Comments	WHEN USING OVERALL TIN PLATED TERMINALS: FOR APPLICATIONS INVOLVING VIBRATION AND/OR THERMAL CYCLING, MOLEX STRONGLY RECOMMENDS THE USE OF NYE LUBRICANT (NYOGEL 7600) ON THE MATING SURFACES OF THE TERMINAL
Component Type	PCB Header

Product Name	Mini-Fit Sr.
UPC	800754382496

### Agency

CSA	LR19980
UL	E29179

### Electrical

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

### Physical

Breakaway	No
Circuits (Loaded)	3
Circuits (maximum)	3
Color - Resin	Black
Durability (mating cycles max)	30
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	Tin
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Net Weight	7.565/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	3.18mm
PC Tail Length	5.10mm

Pitch - Mating Interface	10.00mm
Pitch - Termination Interface	10.00mm
Plating min - Mating	2.540µm
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
10.00mm Pitch Mini-Fit Sr. Single Row Receptacle Housings	<u>42816</u>

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This document was generated on Dec 16, 2025