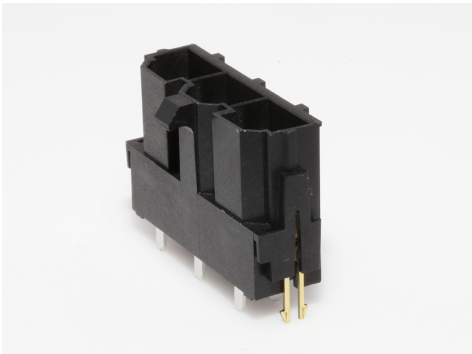




**Part Number :** [428193222](#)  
**Product Description :** 10.00mm Pitch Mini-Fit  
Sr. Header, Single Row, Vertical, 2.36mm PCB  
Thickness, Tin (Sn) Plating, 3 Circuits, USE NYE  
LUBE ON MATING SURFACES  
**Series Number :** 42819  
**Status :** Active  
**Product Category :** PCB Headers and  
Receptacles



Documents & Resources

**Drawings**  
[428193222\\_sd.pdf](#)  
[PK-42819-2375-001.pdf](#)

**Specifications**  
[AS-42815-001-001.pdf](#)  
[PS-42815-001-001.pdf](#)  
[TS-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)6225-DC (07 Nov 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         | 42819                                                                                                                                                                                                         |
| Description    | 10.00mm Pitch Mini-Fit Sr. Header, Single Row, Vertical, 2.36mm 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            | 800754382465                                                                                                                                                                                                  |

#### 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                     | 7.541/g                        |
| Number of Rows                 | 1                              |
| Orientation                    | Vertical                       |
| Packaging Type                 | Tray                           |
| 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           | 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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