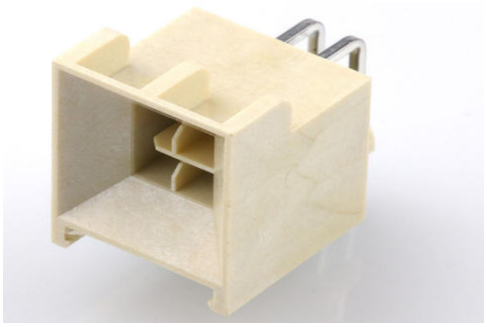


**Part Number :** 2196372308
**Product Description :** Nano-Fit BMI Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, 0.76µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray
**Series Number :** 219637
**Status :** Active
**Product Category :** PCB Headers and Receptacles

## Documents and Resources

### Drawings

2196372308_sd.pdf

2196371000-PK-000.pdf

### 3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

### Specifications

AS-105300-100-001.pdf

2192681000-PS-000.pdf

2192682000-TS-000.pdf

## Product Environment Compliance

### Compliance

| | |
|---|---|
| GADSL/IMDS | Not Relevant |
| China RoHS | per SJ/T 11365-2006 |
| EU ELV | Not Relevant |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21 |
| REACH SVHC | Not Contained per D(2025)7771-DC (04 Feb 2026) |
| EU RoHS | Compliant per EU 2015/863 |

Compliance Statements

- EU RoHS

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- 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 | 219637 |
| Description | Nano-Fit BMI Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, 0.76µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray |
| Application | Wire-to-Board |
| Component Type | PCB Header |
| Product Name | Nano-Fit BMI |
| UPC | 196823410291 |

### Agency

| | |
|---|---|
| CSA | LR19980 |
| UL | E29179 |

### Electrical

| | |
|---|---|
| Current - Maximum per Contact | 5.0A |
| Voltage - Maximum | 250V AC (RMS)/DC |

### Physical

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| | |
|---|---|
| Breakaway | No |
| Circuits (Loaded) | 8 |
| Circuits (maximum) | 8 |
| Color - Resin | Natural |
| Durability (mating cycles max) | 50 |
| First Mate / Last Break | No |
| Flammability | 94V-0 |
| Gender | Male |
| Glow-Wire Capable | Yes |
| Guide to Mating Part | Yes |
| Keying to Mating Part | Yes |
| Lock to Mating Part | Yes |
| Material - Metal | Brass |
| Material - Plating Mating | Gold |
| Material - Plating Termination | Tin |
| Material - Resin | Liquid Crystal Polymer (LCP) |
| Mounting Style | Through Hole |
| Net Weight | 1.770/g |
| Number of Rows | 2 |
| Orientation | Right Angle |
| Packaging Type | Tray |
| PCB Locator | Yes |
| PCB Retention | Yes |
| PCB Thickness - Recommended | 1.60mm, 2.40mm |
| PC Tail Length | 3.20mm |
| Pitch - Mating Interface | 2.50mm |
| Pitch - Termination Interface | 2.50mm |
| Plating min - Mating | 0.762µm |
| Plating min - Termination | 1.524µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | Yes |
| Shrouded | Shrouded |
| Stackable | No |
| Temperature Range - Operating | -40° to +125°C |
| Termination Interface Style | Through Hole |

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## Mates With / Use With

### Mates with Part(s)

| Description | Part Number |
| --- | --- |
| Nano-Fit BMI Receptacle Housing, 2.50mm Pitch, Dual Row, 8 Circuits, Natural, Glow-Wire Capable | 2192682208 |



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