



Part Number : [2196372304](#)

**Product Description :** Nano-Fit BMI Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 4 Circuits, 0.76µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray

Series Number : 219637

Status : Active

Product Category : PCB Headers and Receptacles

---

## Documents & Resources

### Drawings

[Drawing 2196372304\\_sd.pdf](#)

[Packaging Design Drawing 2196371000-PK-000.pdf](#)

---

### 3D Models and Design Files

[3D Model 2196372304\\_stp.zip](#)


### Specifications

[Product Specification 2192681000-PS-000.pdf](#)

---

## Product Environment Compliance

### Compliance

|                    |   |
|--------------------|---|
| GADSL/IMDS         | Not Relevant  |
| China RoHS         |  |
| EU ELV             | Not Relevant  |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21  |
| REACH SVHC         | Not Contained per D(2023)8585-DC (23 Jan 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

---

## 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, 4 Circuits, 0.76µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray |
| Application    | Power, Wire-to-Board  |
| Component Type | PCB Header  |
| Product Family | Nano-Fit Power Connectors   |
| Product Name   | Nano-Fit BMI  |
| UPC            | 196823410260  |

### Agency

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

### Electrical

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

### Physical

|                                |         |
|--------------------------------|---------|
| Breakaway                      | No      |
| Circuits (Loaded)              | 4       |
| Circuits (maximum)             | 4       |
| Color - Resin                  | Natural |
| Durability (mating cycles max) | 50      |
| 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 |
| Net Weight                     | 1.210/g                |
| Number of Rows                 | 2                      |
| Orientation                    | Right Angle            |
| Packaging Type                 | Tray                   |
| PC Tail Length                 | 3.20mm                 |
| PCB Locator                    | Yes                    |
| PCB Retention                  | Yes                    |
| PCB Thickness - Recommended    | 1.60mm, 2.40mm         |
| 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                       | Yes                    |
| Stackable                      | No                     |
| Temperature Range - Operating  | -40° to +115°C         |
| Termination Interface Style    | Through Hole           |

---

## Mates With / Use With

### Mates with Part(s)

| Description   | Part Number       |
|---|-------------------|
| Nano-Fit BMI Receptacle Housing, 2.50mm Pitch, Dual Row, 4 Circuits, Natural, Glow-Wire Capable | <u>2192682204</u> |

---