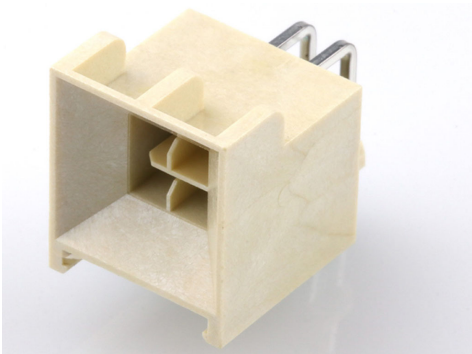




**Part Number :** [2196372204](#)  
**Product Description :** Nano-Fit BMI Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 4 Circuits, 0.38µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray  
**Series Number :** 219637  
**Status :** Active  
**Product Category :** PCB Headers and Receptacles



## Documents & Resources

**Drawings**  
[2196372204\\_sd.pdf](#)  
[2196371000-PK-000.pdf](#)

**3D Models and Design Files**  
[2196372204\\_stp.zip](#)

**Specifications**  
[AS-105300-100-001.pdf](#)  
[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(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

---

### 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, 0.38µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray |
| Application    | Power, Wire-to-Board                                                                                                                          |
| Component Type | PCB Header                                                                                                                                    |
| Product Name   | Nano-Fit BMI                                                                                                                                  |
| UPC            | 196823409936                                                                                                                                  |

#### 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           | 0.381µm                |
| Plating min - Termination      | 1.524µm                |
| Polarized to Mating Part       | Yes                    |
| Polarized to PCB               | Yes                    |
| Shrouded                       | Yes                    |
| Stackable                      | No                     |
| Temperature Range - Operating  | -40° to +125°C         |
| Termination Interface Style    | Through Hole           |

---

## Mates With / Use With

### Mates with Part(s)

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

---



---

This document was generated on Jan 17, 2025