



Part Number : 2196372104

Series Number : 219637

Product Category : PCB Headers and Receptacles

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

Status : Active

## Documents & Resources

### Drawings

Drawing 2196372104\_sd.pdf

Packaging Design Drawing 2196371000-PK-000.pdf

### 3D Models and Design Files

3D Model 2196372104\_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

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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, 4 Circuits, Tin (Sn) 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            | 196823409844                                                                                                                          |

#### 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) | 25      |
| 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      | Tin                    |
| 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           | 1.524µm                |
| Plating min - Termination      | 1.524µm                |
| Polarized to Mating Part       | Yes                    |
| Polarized to PCB               | Yes                    |
| Shrouded                       | Yes                    |
| Stackable                      | No                     |
| Temperature Range - Operating  | -40° to +105°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,<br>2.50mm Pitch, Dual Row, 4 Circuits,<br>Natural, Glow-Wire Capable | <u>2192682204</u> |