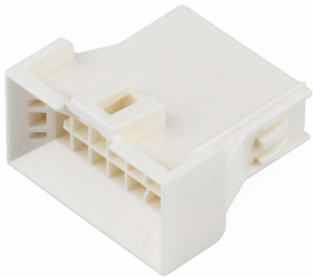




**Part Number :** [2245561312](#)  
**Product Description :** Nano-Fit BMI Plug Housing, TPA Capable, 2.50mm Pitch, Dual Row, 12 Circuits, Natural, Glow-Wire Capable  
**Series Number :** 224556  
**Status :** Active  
**Product Category :** Connector Housings



## Documents & Resources

**Drawings**  
[2245561312\\_sd.pdf](#)  
[2245561000-PK-000.pdf](#)

**3D Models and Design Files**  
[2245561312\\_stp.zip](#)

**Specifications**  
[AS-105300-100-001.pdf](#)  
[2014471000-PS-000.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     | Connector Housings                                                                                      |
| Series       | 224556                                                                                                  |
| Description  | Nano-Fit BMI Plug Housing, TPA Capable, 2.50mm Pitch, Dual Row, 12 Circuits, Natural, Glow-Wire Capable |
| Application  | Power, Wire-to-Wire                                                                                     |
| Product Name | Nano-Fit BMI                                                                                            |
| UPC          | 196823686870                                                                                            |

#### Physical

|                               |                |
|-------------------------------|----------------|
| Circuits (maximum)            | 12             |
| Color - Resin                 | Natural        |
| Gender                        | Plug           |
| Glow-Wire Capable             | Yes            |
| Keying to Mating Part         | Yes            |
| Lock to Mating Part           | Yes            |
| Material - Resin              | Nylon          |
| Net Weight                    | 2.140/g        |
| Number of Rows                | 2              |
| Packaging Type                | Bag            |
| Panel Mount                   | No             |
| Pitch - Mating Interface      | 2.50mm         |
| Pitch - Termination Interface | 2.50mm         |
| Polarized to Mating Part      | Yes            |
| Temperature Range - Operating | -40° to +125°C |

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## Mates With / Use With

### Mates with Part(s)

| Description                                                                                               | Part Number       |
|-----------------------------------------------------------------------------------------------------------|-------------------|
| Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 12 Circuits, Natural, Glow-Wire Capable | <u>1053082212</u> |
| Nano-Fit BMI Receptacle Housing, 2.50mm Pitch, Dual Row, 12 Circuits, Natural, Glow-Wire Capable          | <u>2192682212</u> |

### Use with Part(s)

| Description                                          | Part Number   |
|------------------------------------------------------|---------------|
| Nano-Fit Male Crimp Terminals                        | <u>201447</u> |
| Nano-Fit Terminal Position Assurance (TPA) Retainers | <u>105325</u> |