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**Part Number:** 1054291314
**Status:** Active
**Overview:** Nano-Fit Power Connectors
**Description:** Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Dual Row, 14 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable



*Series image - Reference only*

**Documents:**

- 3D Model
- 3D Model (PDF)
- Drawing (PDF)
- Product Specification PS-105405-001-001 (PDF)
- Application Specification AS-105405-001-001 (PDF)
- Packaging Specification 1054291000-PK-000 (PDF)
- Test Summary 1054050000-TS-000 (PDF)
- RoHS Certificate of Compliance (PDF)

| | |
|---|---|
| **General** | |
| Product Family | PCB Headers |
| Series | 105429 |
| Application | Power, Wire-to-Board |
| Overview | Nano-Fit Power Connectors |
| Product Name | Nano-Fit |
| UPC | 191130010806 |
| **Physical** | |
| Breakaway | No |
| Circuits (Loaded) | 14 |
| Circuits (maximum) | 14 |
| Color - Resin | Black |
| Durability (mating cycles max) | 50 |
| Glow-Wire Capable | 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 | 1.750/g |
| Number of Rows | 2 |
| Orientation | Vertical |
| PCB Locator | No |
| PCB Thickness - Recommended | 1.60mm |
| Packaging Type | Embossed Tape on Reel |
| Pitch - Mating Interface | 2.50mm |
| Pitch - Termination Interface | 2.50mm |
| Plating min - Mating | 0.762µm |
| Plating min - Termination | 0.762µm |
| Polarized to Mating Part | Yes |
| Polarized to PCB | No |
| Temperature Range - Operating | -40° to +115°C |
| Termination Interface: Style | Surface Mount |
| **Electrical** | |
| Current - Maximum per Contact | 7.0A |
| Voltage - Maximum | 250V AC (RMS) |
| **Material Info** | |
| **Reference - Drawing Numbers** | |
| Application Specification | AS-105405-001-001 |
| Packaging Specification | 1054291000-PK-000 |
| Product Specification | PS-105405-001-001 |

**EU ELV**
**Not Relevant**

**EU RoHS**
**Compliant**

**China RoHS**

**REACH SVHC**
Not Contained Per - ECHA_01_2020 (16 January 2020

**Halogen-Free Status**
**Low-Halogen**

For more information, please visit Contact US

| | |
|---|---|
| China ROHS | Green Image |
| ELV | Not Relevant |
| RoHS Phthalates | Not Contained |

**Search Parts in this Series**
105429 Series

**Mates With**
Nano-Fit Receptacle Housing 1053081214

**Use With**
Nano-Fit Crimp Terminal 105300

| | |
|---|---|
| Sales Drawing | SD-105429-001-000 |
| Test Summary | 1054050000-TS-000 |

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