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**Part Number:** [1054301305](#)  
**Status:** **Active**  
**Overview:** [Nano-Fit Power Connectors](#)  
**Description:** Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Single Row, 5 Circuits, 0.76µm Gold (Au) Plating, Black, Glow-Wire Capable

**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)  
[Product Specification PS-105405-001-001 \(PDF\)](#)  
[Application Specification AS-105405-001-001 \(PDF\)](#)  
[Packaging Specification 1054301000-PK-000 \(PDF\)](#)  
[Test Summary 1054050000-TS-000 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

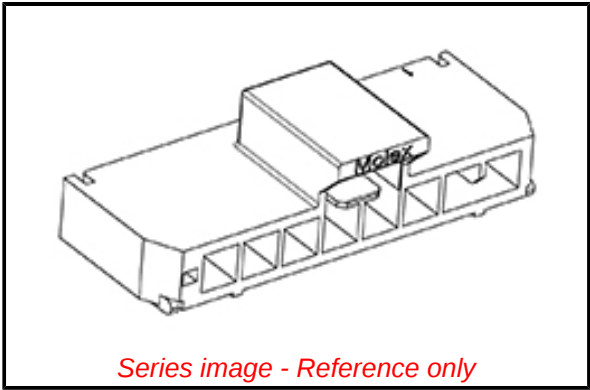
**General**  
Product Family PCB Headers  
Series [105430](#)  
Application Power, Wire-to-Board  
Overview [Nano-Fit Power Connectors](#)  
Product Name Nano-Fit  
UPC 191128932158

**Physical**  
Breakaway No  
Circuits (Loaded) 5  
Circuits (maximum) 5  
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 0.920/g  
Number of Rows 1  
Orientation Right Angle  
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 6.5A  
Voltage - Maximum 250V AC (RMS)

**Material Info**

**Reference - Drawing Numbers**  
Application Specification AS-105405-001-001  
Packaging Specification 1054301000-PK-000  
Product Specification PS-105405-001-001



Series image - Reference only

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

| <b>EU RoHS</b>                                                | <b>China RoHS</b> |
|---------------------------------------------------------------|-------------------|
| <b>Compliant</b>                                              |                   |
| <b>REACH SVHC</b>                                             |                   |
| Not Contained Per -ED/88/2018 (15 January 2019)               |                   |
| <b>Halogen-Free</b>                                           |                   |
| <b>Status</b>                                                 |                   |
| <b>Low-Halogen</b>                                            |                   |
| For more information, please visit <a href="#">Contact US</a> |                   |
| China ROHS                                                    | Green Image       |
| ELV                                                           | Not Relevant      |
| RoHS Phthalates                                               | Not Contained     |

**Search Parts in this Series**  
[105430 Series](#)

**Mates With**  
Nano-Fit Receptacle Housing [105307](#)

**Use With**  
Nano-Fit Crimp Terminal [105300](#)

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