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**Part Number:** [1054312402](#)  
**Status:** **Active**  
**Overview:**  
**Description:** Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 2 Circuits, 0.76µm Gold (Au) Plating, Lubricated, Natural, Glow-Wire Capable

**General**

Product Family	PCB Headers
Series	<a href="#">105431</a>
Application	Power, Wire-to-Board
Overview	nanofit_power_connectors
Product Name	Nano-Fit
UPC	191130009206

**Physical**

Breakaway	No
Circuits (Loaded)	2
Circuits (maximum)	2
Color - Resin	Natural
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	0.550/g
Number of Rows	1
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	6.5A
Voltage - Maximum	250V AC (RMS)/DC

**Material Info**

**Reference - Drawing Numbers**

Application Specification	AS-105405-001-001
Packaging Specification	1054311000-PK-000
Product Specification	1054051000-PS-CH-000, 1054051000-PS-ES-000, 1054051000-PS-SK-000, PS-105405-001-001
Sales Drawing	SD-105431-001-000
Test Summary	1054050000-TS-000

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)9139-DC (19  
Jan 2021)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[105431](#) Series

**Mates With**

Nano-Fit Receptacle Housing [1053072202](#)

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