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**Part Number:** [1054052112](#)  
**Status:** **Active**  
**Overview:** [Nano-Fit Power Connectors](#)  
**Description:** Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Dual Row, 12 Circuits, 0.76µm Tin (Sn) Plating, Natural, Glow-Wire Capable

**Documents:**

<a href="#">3D Model (PDF)</a>	<a href="#">Application Specification AS-105405-001-001 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Packaging Specification PK-105405-004-000 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">Test Summary 1054050000-TS-000 (PDF)</a>
<a href="#">Product Specification 1054051000-PS-CH-000 (PDF)</a>	<a href="#">Datasheet (PDF)</a>
<a href="#">Product Specification 1054051000-PS-ES-000 (PDF)</a>	<a href="#">Symbol Footprint Data SYM-105405-XX12 (PDF)</a>
<a href="#">Product Specification 1054051000-PS-SK-000 (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-105405-001-001 (PDF)</a>	

**General**

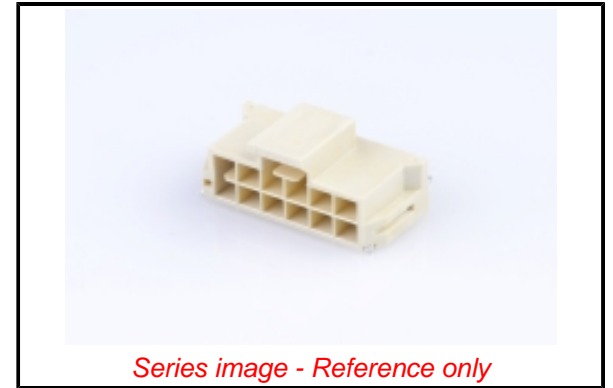
Product Family	PCB Headers
Series	105405
Application	Power, Wire-to-Board
Overview	<a href="#">Nano-Fit Power Connectors</a>
Product Name	Nano-Fit
UPC	889056259958

**Physical**

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Natural
Durability (mating cycles max)	25
Glow-Wire Capable	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	1.550/g
Number of Rows	2
Orientation	Right Angle
PCB Locator	No
PCB Retention	Yes
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	Yes
Shrouded	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Surface Mount

**Electrical**

Current - Maximum per Contact	7.0A
Voltage - Maximum	250V AC (RMS)/DC



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2020)4578-DC (25  
June 2020)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[105405 Series](#)

**Mates With**

Nano-Fit Receptacle Housing [1053082212](#)

## Material Info

### Reference - Drawing Numbers

Application Specification	AS-105405-001-001
Packaging Specification	PK-105405-004-000
Product Specification	1054051000-PS-CH-000, 1054051000-PS-ES-000, 1054051000-PS-SK-000, PS-105405-001-001
Sales Drawing	SD-105405-001-000
Symbol/Footprint Data	SYM-105405-XX12
Test Summary	1054050000-TS-000

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