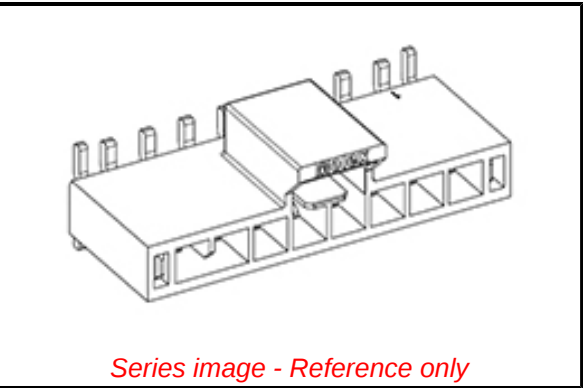


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Part Number: [1054312206](#)
Status: **Active**
Overview: [Nano-Fit Power Connectors](#)
Description: Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 6 Circuits, 0.38µm Gold (Au) Plating, Natural, Glow-Wire Capable



Documents:
[Drawing \(PDF\)](#) [Packaging Specification 1054311000-PK-000 \(PDF\)](#)
[Product Specification PS-105405-001-001 \(PDF\)](#) [Test Summary 1054050000-TS-000 \(PDF\)](#)
[Application Specification AS-105405-001-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	PCB Headers
Series	105431
Application	Power, Wire-to-Board
Overview	Nano-Fit Power Connectors
Product Name	Nano-Fit
UPC	191130001934
Physical	
Breakaway	No
Circuits (Loaded)	6
Circuits (maximum)	6
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	1.040/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	0.380µm
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	1054311000-PK-000
Product Specification	PS-105405-001-001
Sales Drawing	SD-105431-001-000

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

Search Parts in this Series
[105431](#) Series

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

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

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