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**Part Number:** [1053131203](#)  
**Status:** **Active**  
**Overview:** Nano-Fit Power Connectors  
**Description:** Nano-Fit Right-Angle Header, Through Hole, 2.50mm Pitch, Single Row, 3 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable

**Documents:**

<a href="#">3D Model (PDF)</a>	<a href="#">Packaging Specification PK-105309-400-000 (PDF)</a>
<a href="#">3D Model</a>	<a href="#">Test Summary 1053000000-TS-000 (PDF)</a>
<a href="#">Drawing (PDF)</a>	<a href="#">RoHS Certificate of Compliance (PDF)</a>
<a href="#">Product Specification PS-105300-100-001 (PDF)</a>	<a href="#">Product Literature (PDF)</a>
<a href="#">Application Specification AS-105300-100-001 (PDF)</a>	

**Agency Certification**

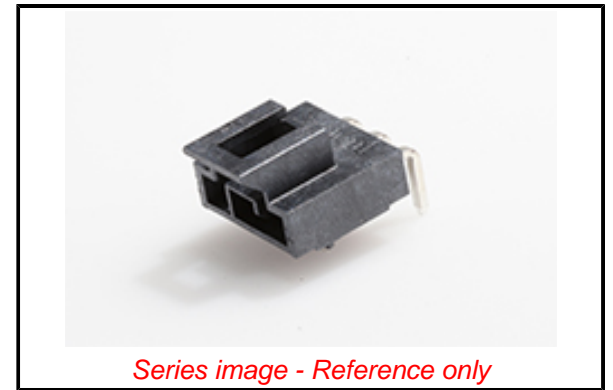
CSA	LR19980
UL	E29179

**General**

Product Family	PCB Headers
Series	<a href="#">105313</a>
3D Viewer	Yes
Application	Power, Wire-to-Board
CURRENT-MAX-NUMERIC	8.0
Overview	<a href="#">Nano-Fit Power Connectors</a>
PITCH-MATING-NUMERIC	2.50
Product Literature Order No	987651-1223
Product Name	Nano-Fit
UPC	887191928982

**Physical**

Breakaway	No
Circuits (Loaded)	3
Circuits (maximum)	3
Color - Resin	Black
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Capable	Yes
Guide to Mating Part	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold over Nickel
Material - Plating Termination	Tin over Nickel
Material - Resin	Liquid Crystal Polymer
Net Weight	0.410/g
Number of Rows	1
Orientation	Right Angle
PC Tail Length	3.20mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm, 2.40mm
Packaging Type	Tray
Pitch - Mating Interface	2.50mm
Pitch - Termination Interface	2.50mm
Plating min - Mating	0.381µm
Plating min - Termination	1.524µm
Polarized to Mating Part	Yes



*Series image - Reference only*

**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per - ED/71/2019 (16 July 2019)

**Halogen-Free**

**Status**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Compliant

Not Contained

**Search Parts in this Series**

[105313 Series](#)

**Mates With**

Nano-Fit Receptacle Housing [105307](#)

Polarized to PCB	Yes
Shrouded	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +115°C
Termination Interface: Style	Through Hole

**Electrical**

Current - Maximum per Contact	8.0A
Voltage - Maximum	300V

**Material Info****Reference - Drawing Numbers**

Application Specification	AS-105300-100-001
Packaging Specification	PK-105309-400-000
Product Specification	PS-105300-100-001
Sales Drawing	SD-105313-100-000
Symbol/Footprint Data	SYM-105313-XX03
Test Summary	1053000000-TS-000

This document was generated on 11/18/2019

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