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Part Number: [1053091204](#)
Status: **Active**
Overview: Nano-Fit Power Connectors
Description: Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 4 Circuits, with Kinked Pins, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable

Documents:

3D Model (PDF)	Packaging Specification PK-105309-300-000 (PDF)
Drawing (PDF)	Test Summary 1053000000-TS-000 (PDF)
3D Model	RoHS Certificate of Compliance (PDF)
Product Specification PS-105300-100-001 (PDF)	Product Literature (PDF)
Application Specification AS-105300-100-001 (PDF)	

Agency Certification

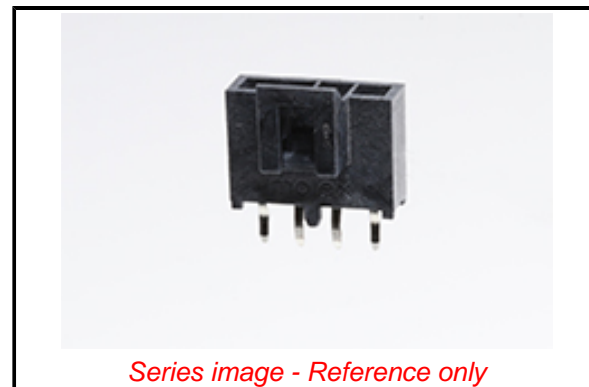
CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	105309
Application	Power, Wire-to-Board
Overview	Nano-Fit Power Connectors
Product Name	Nano-Fit
UPC	887191937557

Physical

Breakaway	No
Circuits (Loaded)	4
Circuits (maximum)	4
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	0.470/g
Number of Rows	1
Orientation	Vertical
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
Polarized to PCB	Yes
Shrouded	Yes
Stackable	No
Surface Mount Compatible (SMC)	No



EU ELV

Not Relevant

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

Not Relevant

Not Contained

Search Parts in this Series

[105309 Series](#)

Mates With

Nano-Fit Receptacle Housing [1053071204](#)

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-105309-300-000
Product Specification PS-105300-100-001
Sales Drawing SD-105309-100-000
Symbol/Footprint Data SYM-105309-XX04
Test Summary 1053000000-TS-000

This document was generated on 01/16/2020

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