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Part Number: [1053091103](#)
Status: **Active**
Overview: [Nano-Fit Power Connectors](#)
Description: Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 3 Circuits, with Kinked Pins, Tin (Sn) Plating, Black, Glow-Wire Capable

Documents:

Drawing (PDF)	Packaging Specification PK-105309-300-000 (PDF)
3D Model	Test Summary 1053001000-TS-000 (PDF)
3D Model (PDF)	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
3D Viewer	Yes
Application	Power, Wire-to-Board
CURRENT-MAX-NUMERIC	8.0
Overview	Nano-Fit Power Connectors
PITCH-MATING-NUMERIC	2.50
Product Literature Order No	987651-1223
Product Name	Nano-Fit
UPC	887191937373

Physical

Breakaway	No
Circuits (Loaded)	3
Circuits (maximum)	3
Color - Resin	Black
Durability (mating cycles max)	25
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	Tin over Nickel
Material - Plating Termination	Tin over Nickel
Material - Resin	Liquid Crystal Polymer
Net Weight	0.370/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	1.524µm
Plating min - Termination	1.524µm
Polarized to Mating Part	Yes



Series image - Reference only

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	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

Search Parts in this Series

[105309](#) 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 +105°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	8.0A
Voltage - Maximum	250V AC (RMS)
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-XX03
Test Summary	1053001000-TS-000

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