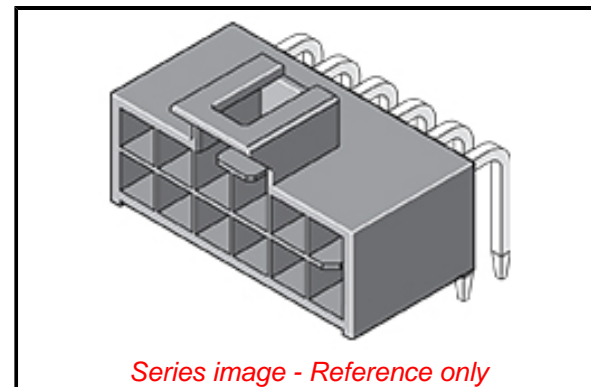


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Part Number: [1053141108](#)
Status: **Active**
Overview: Nano-Fit Power Connectors
Description: Nano-Fit Right Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, Tin (Sn) Plating, Black

Documents:

3D Model	Test Summary 1053001000-TS-000 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-105300-100-001 (PDF)	Product Literature (PDF)
Packaging Specification PK-105309-200-000 (PDF)	



Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Headers
Series	105314
Application	Power, Wire-to-Board
Overview	Nano-Fit Power Connectors
Product Literature Order No	987651-1223
Product Name	Nano-Fit
UPC	887191926285

Physical

Breakaway	No
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Black
Durability (mating cycles max)	25
Flammability	94V-0
Glow-Wire Compliant	No
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	0.900/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	1.524µm
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 Reviewed

EU RoHS

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Not Reviewed
ELV	Not Reviewed
RoHS Phthalates	Not Reviewed

Search Parts in this Series

[105314 Series](#)

Mates With

Nano-Fit Receptacle Housing [105308](#)

Temperature Range - Operating -40°C to +105°C
Termination Interface: Style Through Hole

Electrical

Current - Maximum per Contact 6.5A
Voltage - Maximum 250V AC (RMS)

Material Info

Reference - Drawing Numbers

Packaging Specification PK-105309-200-000
Product Specification PS-105300-100-001
Sales Drawing SD-105314-100-000
Symbol/Footprint Data SYM-105314-XX08
Test Summary 1053001000-TS-000

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