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Part Number:

1053091204

Status:

Active

Overview:

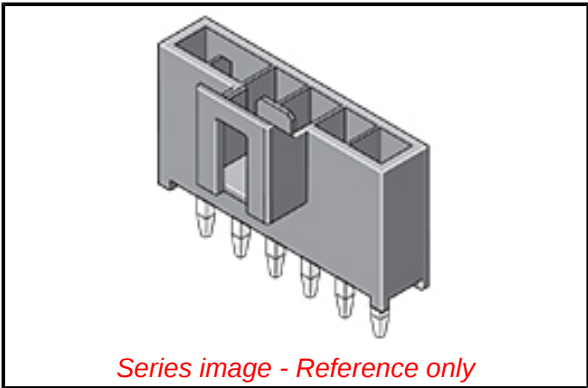
Nano-Fit™ Power Connectors

Description:

Nano-Fit™ Vertical Header, Through Hole, 2.50mm Pitch, Single Row, 4 Circuits, with Kinked Pins, 0.38µm Gold (Au) Plating, Black

Documents:	
3D Model	Packaging Specification PK-105309-300 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (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 Compliant	No
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
Temperature Range - Operating	-40°C to +115°C
Termination Interface: Style	Through Hole



Series image - Reference only

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

Search Parts in this Series

105309 Series

Mates With

Nano-Fit™ Receptacle Housing 105307

Electrical

Current - Maximum per Contact	6.5A
Voltage - Maximum	300V

Material Info

Reference - Drawing Numbers

Packaging Specification	PK-105309-300
Sales Drawing	SD-105309-100

This document was generated on 06/29/2016

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