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Part Number: [1054051212](#)
Status: **Active**
Overview: Nano-Fit Power Connectors
Description: Nano-Fit Right-Angle Header, Surface Mount, 2.50mm Pitch, Dual Row, 12 Circuits, 0.38µm Gold (Au) Plating, Black, Glow-Wire Capable

Documents:

Drawing (PDF)	Application Specification AS-105405-001-001 (PDF)
3D Model	Packaging Specification PK-105405-004-000 (PDF)
3D Model (PDF)	Test Summary 1054050000-TS-000 (PDF)
Product Specification 1054051000-PS-CH-000 (PDF)	Datasheet (PDF)
Product Specification 1054051000-PS-ES-000 (PDF)	Symbol Footprint Data SYM-105405-XX12 (PDF)
Product Specification 1054051000-PS-SK-000 (PDF)	RoHS Certificate of Compliance (PDF)
Product Specification PS-105405-001-001 (PDF)	

General

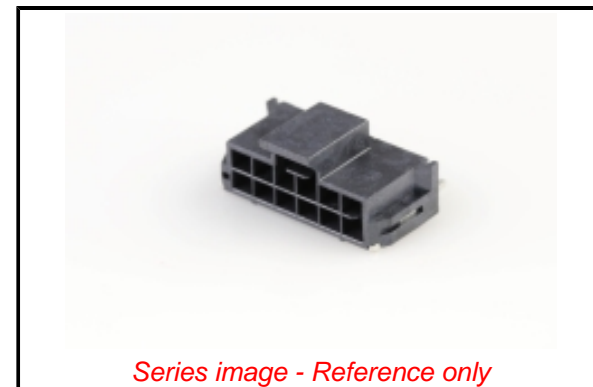
Product Family	PCB Headers
Series	105405
Application	Power, Wire-to-Board
Overview	Nano-Fit Power Connectors
Product Name	Nano-Fit
UPC	889056259408

Physical

Breakaway	No
Circuits (Loaded)	12
Circuits (maximum)	12
Color - Resin	Black
Durability (mating cycles max)	50
Glow-Wire Capable	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	1.550/g
Number of Rows	2
Orientation	Right Angle
PCB Locator	No
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	2.50mm
Pitch - Termination Interface	2.50mm
Plating min - Mating	0.381µm
Plating min - Termination	0.762µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Yes
Temperature Range - Operating	-40° to +115°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	7.0A
Voltage - Maximum	250V AC (RMS)/DC



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)4578-DC (25
June 2020)

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

[105405 Series](#)

Mates With

Nano-Fit Receptacle Housing [1053081212](#)

Material Info

Reference - Drawing Numbers

Application Specification	AS-105405-001-001
Packaging Specification	PK-105405-004-000
Product Specification	1054051000-PS-CH-000, 1054051000-PS-ES-000, 1054051000-PS-SK-000, PS-105405-001-001
Sales Drawing	SD-105405-001-000
Symbol/Footprint Data	SYM-105405-XX12
Test Summary	1054050000-TS-000

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