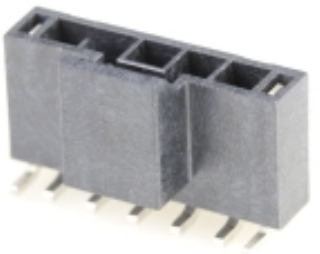
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Part Number: 1054311105
Status: Active
Overview: Nano-Fit Power Connectors
Description: Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Single Row, 5 Circuits, 0.76µm Tin (Sn) Plating, Black, Glow-Wire Capable



Series image - Reference only

Documents:

- 3D Model
- Drawing (PDF)
- 3D Model (PDF)
- Product Specification 1054051000-PS-CH-000 (PDF)
- Product Specification 1054051000-PS-ES-000 (PDF)
- Product Specification 1054051000-PS-SK-000 (PDF)
- Product Specification PS-105405-001-001 (PDF)
- Application Specification AS-105405-001-001 (PDF)
- Packaging Specification 1054311000-PK-000 (PDF)
- Test Summary 1054050000-TS-000 (PDF)
- Datasheet (PDF)
- RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	105431
Application	Power, Wire-to-Board
Component Type	PCB Header
Overview	Nano-Fit Power Connectors
Product Name	Nano-Fit
Taxonomy	PCB Headers and Receptacles
UPC	191128960380

Physical

Breakaway	No
Circuits (Loaded)	5
Circuits (maximum)	5
Color - Resin	Black
Durability (mating cycles max)	25
Glow-Wire Capable	Yes
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Brass
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	0.920/g
Number of Rows	1
Orientation	Vertical
PCB Locator	No
PCB Thickness - Recommended	1.60mm
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface	2.50mm
Pitch - Termination Interface	2.50mm
Plating min - Mating	0.762µm
Plating min - Termination	0.762µm
Polarized to Mating Part	Yes
Polarized to PCB	No
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Surface Mount

Electrical

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

Material Info

EU ELV
Not Relevant

EU RoHS **China RoHS**
Compliant
REACH SVHC
Not Contained Per - D(2022)4187-DC (10 June 2022)
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
105431 Series

Mates With
Nano-Fit Receptacle Housing 1053071205 .
Nano-Fit Cable Assembly 145130

Reference - Drawing Numbers

Application Specification	AS-105405-001-001
Packaging Specification	1054311000-PK-000
Product Specification	1054051000-PS-CH-000, 1054051000-PS-ES-000, 1054051000-PS-SK-000, PS-105405-001-001
Sales Drawing	1054311000-PK-000, SD-105431-001-000
Test Summary	1054050000-TS-000

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