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Part Number: 1054291416
Status: Active
Overview: Nano-Fit Power Connectors
Description: Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Dual Row, 16 Circuits, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-105405-001-001 (PDF)
Application Specification AS-105405-001-001 (PDF)
Packaging Specification 1054291000-PK-000 (PDF)
Test Summary 1054050000-TS-000 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	105429
3D Viewer	Yes
Application	Power, Wire-to-Board
CURRENT-MAX-NUMERIC	7.0
Overview	Nano-Fit Power Connectors
PITCH-MATING-NUMERIC	2.50
Product Name	Nano-Fit
UPC	191130012190

Physical

Breakaway	No
Circuits (Loaded)	16
Circuits (maximum)	16
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	1.950/g
Number of Rows	2
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 +115°C
Termination Interface: Style	Surface Mount

Electrical

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

Material Info

Reference - Drawing Numbers

EU ELV
Not Relevant

EU RoHS
Compliant

China RoHS

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
105429 Series

Mates With
Nano-Fit Receptacle Housing 105308

Use With
Nano-Fit Crimp Terminal 105300

Application Specification	AS-105405-001-001
Packaging Specification	1054291000-PK-000
Product Specification	PS-105405-001-001
Sales Drawing	SD-105429-001-000
Test Summary	1054050000-TS-000

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