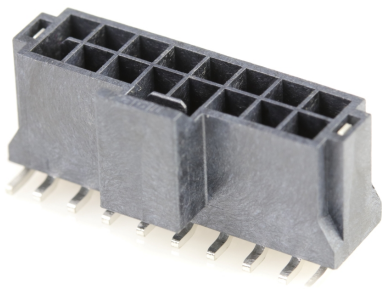




Part Number : [1054291416](#)
Product Description : Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Dual Row, 16 Circuits, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable
Series Number : 105429
Status : Active
Product Category : PCB Headers and Receptacles



Documents & Resources

Drawings
[1054291416_sd.pdf](#)
[1054291000-PK-000.pdf](#)

3D Models and Design Files
[1054291416_stp.zip](#)

Specifications
[AS-105405-001-001.pdf](#)
[1054051000-PS-CH-000.pdf](#)
[1054051000-PS-ES-000.pdf](#)
[1054051000-PS-SK-000.pdf](#)
[PS-105405-001-001.pdf](#)
[1054050000-TS-000.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)4144-DC (27 June 2024)
EU RoHS	Compliant per EU 2015/863

[Multiple Part Product Compliance Statements](#)

- Eu RoHS
- REACH SVHC
- Low-Halogen

Multiple Part Industry Compliance Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	105429
Description	Nano-Fit Vertical Header, Surface Mount, 2.50mm Pitch, Dual Row, 16 Circuits, 0.76µm Gold (Au) Plating, Lubricated, Black, Glow-Wire Capable
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Name	Nano-Fit
UPC	191130012190

Agency

UL	E29179
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Electrical

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

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
Packaging Type	Embossed Tape on Reel
PCB Locator	No
PCB Thickness - Recommended	1.60mm
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 +125°C
Termination Interface Style	Surface Mount

Mates With / Use With

Mates with Part(s)

Description	Part Number
Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 16 Circuits, Black, Glow-Wire Capable	<u>1053081216</u>