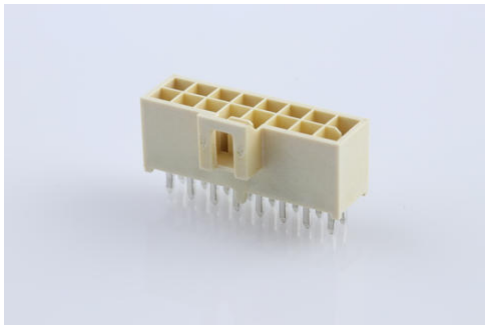




Part Number : [1053102216](#)
Product Description : Nano-Fit Vertical Header,
Through Hole, 2.50mm Pitch, Dual Row, 16 Circuits,
with Kinked Pins, 0.38µm Gold (Au) Plating, Natural,
Glow-Wire Capable, Tray
Series Number : 105310
Status : Active
Product Category : PCB Headers and Receptacles
Packaging Alternative : [1053104716](#) (Embossed
Tape on Reel)



Documents & Resources

Drawings


- [1053102216 sd.pdf](#)
- [PK-105309-100-000.pdf](#)
- 3D Models and Design Files
- [1053102216 stp.zip](#)
- [SYM-105310-XX16-001.zip](#)

Specifications

- [AS-105300-100-001.pdf](#)
- [1722990000-AS-000.pdf](#)
- [1053001000-PS-CH-000.pdf](#)
- [1053001000-PS-ES-000.pdf](#)
- [1053001000-PS-JP-000.pdf](#)
- [1053001000-PS-SK-000.pdf](#)
- [PS-105300-100-001.pdf](#)
- [1053000000-TS-000.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 34; 33
China RoHS	

	per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2024)6225-DC (07 Nov 2024)
EU RoHS	Compliant per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

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

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	105310
Description	Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 16 Circuits, with Kinked Pins, 0.38µm Gold (Au) Plating, Natural, Glow-Wire Capable, Tray
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Name	Nano-Fit
UPC	887191935409

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	7.5A
Voltage - Maximum	250V AC (RMS)/DC

Physical

Breakaway	No
Circuits (Loaded)	16
Circuits (maximum)	16
Color - Resin	Natural
Durability (mating cycles max)	50
Flammability	94V-0
Glow-Wire Capable	Yes
Guide to Mating Part	No
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	1.390/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm, 2.40mm
PC Tail Length	3.20mm
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
Temperature Range - Operating	-40° to +125°C
Termination Interface Style	Through Hole

Mates With / Use With

Mates with Part(s)

Description	Part Number
Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 16 Circuits, Natural, Glow-Wire Capable	<u>1053082216</u>
Nano-Fit Receptacle Housing, TPA Capable, 2.50mm Pitch, Dual Row, 16 Circuits, Natural, Glow-Wire Capable, for UL 1569/1007 Wire	<u>2263622216</u>