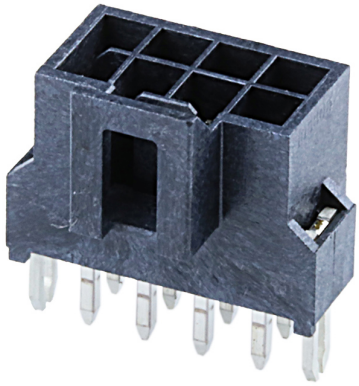
Part Number : 1053121108
Product Description : Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, with Solder Clips, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray
Series Number : 105312
Status : Active
Product Category : PCB Headers and Receptacles
Packaging Alternative : 1053123508 (Embossed Tape on Reel)



Documents & Resources

Drawings

1053121108_sd.pdf
PK-105309-100-000.pdf

3D Models and Design Files

1053121108_stp.zip
SYM-105312-XX08-001.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
1053001000-TS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 44; 33
China RoHS	
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

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	105312
Description	Nano-Fit Vertical Header, Through Hole, 2.50mm Pitch, Dual Row, 8 Circuits, with Solder Clips, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Name	Nano-Fit
UPC	887191929903

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	8.0A
Voltage - Maximum	250V AC (RMS)/DC

Physical

Breakaway	No
Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Black
Durability (mating cycles max)	25
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	Tin
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	0.870/g
Number of Rows	2
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	3.20mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm, 2.40mm
Pitch - Mating Interface	2.50mm
Pitch - Termination Interface	2.50mm
Plating min - Mating	1.524µm
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, 8 Circuits, Black, Glow-Wire Capable	1053081208
Nano-Fit-to-Nano-Fit Off-the-Shelf (OTS) Overmolded Cable Assemblies	245130