molex

Part Number : 2196371114

Product Description : Nano-Fit BMI Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 14 Circuits, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray

Series Number : 219637

Status : Active

Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings
Drawing 2196371114_sd.pdf
Packaging Design Drawing 2196371000-PK-000.pdf

3D Models and Design Files
3D Model 2196371114_stp.zip

Specifications
Product Specification 2192681000-PS-000.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2023)8585-DC (23 Jan 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)

<u>EU RoHS Certificate of Compliance</u>

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	219637
Description	Nano-Fit BMI Right-Angle Header, Through Hole, 2.50mm Pitch, Dual Row, 14 Circuits, Tin (Sn) Plating, Black, Glow-Wire Capable, Tray
Application	Power, Wire-to-Board
Component Type	PCB Header
Product Family	Nano-Fit Power Connectors
Product Name	Nano-Fit BMI
UPC	196823409165

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	5.0A
Voltage - Maximum	250V AC (RMS)/DC

Physical

Breakaway	No
Circuits (Loaded)	14
Circuits (maximum)	14
Color - Resin	Black
Durability (mating cycles max)	25
Glow-Wire Capable	Yes
Guide to Mating Part	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	2.600/g
Number of Rows	2
Orientation	Right Angle
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 +105°C
Termination Interface Style	Through Hole

Mates With / Use With

Mates with Part(s)

Description	Part Number
Nano-Fit BMI Receptacle Housing, 2.50mm Pitch, Dual Row, 14 Circuits, Black, Glow-Wire Capable	2192681214