molex

Part Number : 1722862103

Product Description : Ultra-Fit Vertical Header, 3.50mm Pitch, Single Row, 3 Circuits, with Kinked Pins, Tin (Sn) Plating, Natural, Glow-Wire Capable

Series Number : 172286

Status : Active

Product Category : PCB Headers and Receptacles

Documents & Resources

Drawings
Drawing 1722862103_sd.pdf
Packaging Design Drawing PK-172286-9001-001.pdf

3D Models and Design Files
3D Model 1722862103_stp.zip
Symbol Footprint Data 1722861103-000.zip
Symbol Footprint Data SYM-172286-1203-001.zip

Specifications
Application Specification 1723230003-000.pdf
Application Specification AS-172323-0001-001.pdf
Product Specification 1723230001-TS-000.pdf
Product Specification 1723231000-PS-CH-000.pdf
Product Specification 1723231000-PS-ES-000.pdf
Product Specification 1723231000-PS-JP-000.pdf
Product Specification 1723231000-PS-SK-000.pdf
Product Specification PS-172323-0001-001.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)

EU RoHS Certificate of Compliance

Part Details

General

Status	Active
Category	PCB Headers and Receptacles
Series	172286
Description	Ultra-Fit Vertical Header, 3.50mm Pitch, Single Row, 3 Circuits, with Kinked Pins, Tin (Sn) Plating, Natural, Glow-Wire Capable
Application	Power, Wire-to-Board
Comments	See Product Specification for maximum current rating by circuit size and wire AWG
Component Type	PCB Header
Product Family	Ultra-Fit Power Connectors
Product Name	Ultra-Fit
UPC	887191736495

Agency

CSA	LR19980
UL	E29179

Electrical

Current - Maximum per Contact	14.0A
Voltage - Maximum	600V AC (RMS)/DC

Physical

Breakaway	No
Circuits (Loaded)	3
Circuits (maximum)	3
Color - Resin	Natural
Durability (mating cycles max)	25
First Mate / Last Break	No
Flammability	94V-0
Glow-Wire Capable	Yes
Guide to Mating Part	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Liquid Crystal Polymer
Net Weight	0.909/g
Number of Rows	1
Orientation	Vertical
Packaging Type	Tray
PC Tail Length	3.20mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness - Recommended	1.60mm
Pitch - Mating Interface	3.50mm
Pitch - Termination Interface	3.50mm
Plating min - Mating	1.524µm
Plating min - Termination	1.524µm
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	Fully
Temperature Range - Operating	-40° to +105°C
Termination Interface Style	Through Hole - Kinked Pin

Solder Process Data

Max-Duration	90
Lead-Free Process Capability	WAVE
Max-Cycle	2
Max-Temp	260

Mates With / Use With

Mates with Part(s)

Description	Part Number
Ultra-Fit Tangless Receptacle Housing, 3.50mm Pitch, Single Row, 3 Circuits, Natural, Glow-Wire Capable	1722564103

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