molex



Part Number : 313872014
Product Description : 2.54mm Pitch, MX123 Header, 73 Circuits Shrouded Assembly, (72) 0.64mm Square Signal Pins + (1) 2.8mm Power Blade, Harness Side Key Code A, Black (Au Mate Side Finish)
Series Number : 31387
Status : Active
Product Category : PCB Headers and Receptacles

Documents and Resources

Drawings

313872014_sd.pdf

PK-31301-916-001.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Symbol and Footprint (Multi-Format)

Specifications

AS-31386-200-001.pdf

PS-31387-200-001.pdf

PS-34566-0000-001.pdf

TS-34566-002-001.pdf

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 33; 44; 34
China RoHS	Not saleable
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Not saleable
REACH SVHC	Not Contained per D(2023)8585-

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	DC (23 Jan 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	31387
Description	2.54mm Pitch, MX123 Header, 73 Circuits Shrouded Assembly, (72) 0.64mm Square Signal Pins + (1) 2.8mm Power Blade, Harness Side Key Code A, Black (Au Mate Side Finish)
Application	Automotive, Wire-to-Board
Component Type	PCB Header
Product Name	MX123
UPC	822348860661

Electrical

Current - Maximum per Contact	11.0A
Voltage - Maximum	500V

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Physical

Breakaway	No
Circuits (Loaded)	73
Circuits (maximum)	73
Color - Resin	Black
First Mate / Last Break	No
Glow-Wire Capable	No
Guide to Mating Part	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	Nylon Alloy
Net Weight	22.610/g
Number of Rows	4
Orientation	Vertical
Packaging Type	Carton
PCB Locator	No
PCB Retention	No
PC Tail Length	6.50mm
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Shrouded
Stackable	No
Temperature Range - Operating	-40° to +125°C
Termination Interface Style	Through Hole

Solder Process Data

Lead-Free Process Capability	N/A

Mates With / Use With

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Mates with Part(s)

Description	Part Number
MX123 Receptacle Housings	34566

Use with Part(s)

Description	Part Number
MX64 Female Terminals	33467

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