

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0313874009](#)
Status: **Active**
Overview: [MX123 Sealed Connection System](#)
Description: 2.54mm Pitch, MX123 Header, 80 Circuits Shrouded Assembly, (80) 0.64mm Square Signal Pins, Harness Side Key Code H, Gray (Au Mate Side Finish)

Documents:

3D Model	Application Specification AS-31386-200-001 (PDF)
3D Model (PDF)	Packaging Specification PK-31301-916 (PDF)
Drawing (PDF)	Test Summary TS-34566-002-001 (PDF)
Product Specification PS-31387-200-001 (PDF)	Datasheet (PDF)
Product Specification PS-34566-0000-001 (PDF)	RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	31387
Application	Automotive, Power, Wire-to-Board
Overview	MX123 Sealed Connection System
Product Name	MX123
UPC	822348860678

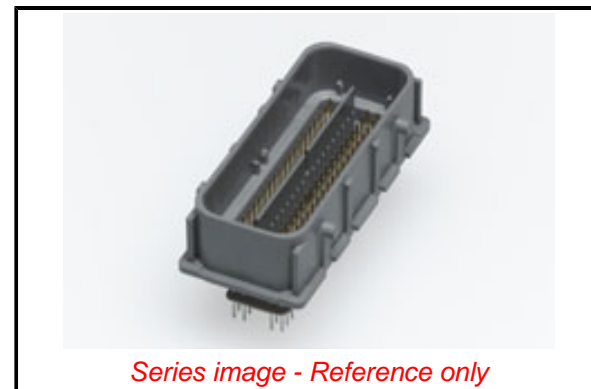
Physical

Breakaway	No
Circuits (Loaded)	80
Circuits (maximum)	80
Color - Resin	Gray
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	23.260/g
Number of Rows	4
Orientation	Vertical
PC Tail Length	6.50mm
PCB Locator	No
PCB Retention	None
Packaging Type	Carton
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Yes
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-40° to +125°C
Termination Interface: Style	Through Hole

Electrical

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

Solder Process Data



Series image - Reference only

EU ELV

Compliant

EU RoHS

Compliant

REACH SVHC

Not Contained Per -
D(2020)4578-DC (25
June 2020)

Halogen-Free

Status

Not Relevant

For more information, please visit [Contact US](#)

China ROHS

Not Relevant

ELV

Compliant

RoHS Phthalates

Not Contained

Search Parts in this Series

[31387 Series](#)

Mates With

[MX123 Female Harness Connector Assembly 34566](#)

Use With

[33467 MX64 Female Terminals Au](#)

Lead-freeProcess Capability

N/A

Material Info

Reference - Drawing Numbers

Application Specification

AS-31386-200-001

Packaging Specification

PK-31301-916

Product Specification

PS-31387-200-001, PS-34566-0000-001

Sales Drawing

SD-31387-080-000, SD-31387-173-000

Test Summary

TS-34566-002-001

This document was generated on 08/20/2020

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION