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**Part Number:** [0313874001](#)  
**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 G, Blue (Au Mate Side Finish)

**Documents:**

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

**General**

Product Family	PCB Headers
Series	31387
Application	Automotive, Power, Wire-to-Board
Overview	<a href="#">MX123 Sealed Connection System</a>
Product Name	MX123
UPC	800756748436

**Physical**

Breakaway	No
Circuits (Loaded)	80
Circuits (maximum)	80
Color - Resin	Blue
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(2021)4569-DC (8  
July 2021)

**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-31301-916-001

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 10/04/2021

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