



**Part Number :** [313874001](#)

**Product 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)

**Series Number :** 31387

**Status :** Active

**Product Category :** PCB Headers and Receptacles



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## Documents & Resources

### Drawings

[Drawing 313874001\\_sd.pdf](#)

[Packaging Design Drawing PK-31301-916-001.pdf](#)

### 3D Models and Design Files

[3D Model 313874001\\_stp.zip](#)

### Specifications

[Application Specification AS-31386-200-001.pdf](#)

[Product Specification PS-31387-200-001.pdf](#)

[Product Specification PS-34566-0000-001.pdf](#)

[Test Summary TS-34566-002-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Duty-To-Declare
China RoHS	Not Relevant
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Not Relevant
REACH SVHC	Not Contained per D(2023)3788-DC (14 Jun 2023)
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

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### Part Details

#### General

Status	Active
Category	PCB Headers and Receptacles
Series	31387
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)
Application	Automotive, Power, Wire-to-Board
Component Type	PCB Header
Product Family	MX123 Sealed Connection System
Product Name	MX123
UPC	800756748436

#### Electrical

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

#### 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
Packaging Type	Carton
PC Tail Length	6.50mm
PCB Locator	No
PCB Retention	None
Pitch - Mating Interface	2.54mm
Pitch - Termination Interface	2.54mm
Polarized to Mating Part	Yes
Polarized to PCB	No
Shrouded	Yes
Stackable	No
Temperature Range - Operating	-40° to +125°C
Termination Interface Style	Through Hole

#### Solder Process Data

Lead-Free Process Capability	N/A
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#### Mates With / Use With

##### Mates with Part(s)

Description	Part Number
MX123 Receptacle Housings	<u>34566</u>

##### Use with Part(s)

Description	Part Number
MX64 Female Terminals	<u>33467</u>

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