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**Part Number:** [0313862001](#)  
**Status:** **Active**  
**Overview:** MX123™ Sealed Connection System  
**Description:** 2.54mm Pitch, MX123™ Header, 56 Circuits Shrouded Assembly, (56) 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 (PDF)</a> |
| <a href="#">Drawing (PDF)</a>                             | <a href="#">Packaging Specification PK-31301-916 (PDF)</a>   |
| <a href="#">Product Specification PS-31386-200 (PDF)</a>  | <a href="#">Test Summary TS-31386-1719 (PDF)</a>             |
| <a href="#">Product Specification PS-34566-0000 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>         |



**General**

|                |  |
|----------------|--|
| Product Family | PCB Headers                            |
| Series         | 31386                                  |
| Application    | Power, Wire-to-Board                   |
| Overview       | <u>MX123™ Sealed Connection System</u> |
| Product Name   | MX123                                  |
| UPC            | 822348860685                           |

**Physical**

|                                |                 |
|--------------------------------|-----------------|
| Breakaway                      | No              |
| Circuits (Loaded)              | 56              |
| Circuits (maximum)             | 56              |
| Color - Resin                  | Blue            |
| First Mate / Last Break        | No              |
| Glow-Wire Compliant            | 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                     | 17.698/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°C to +125°C |
| Termination Interface: Style   | Through Hole    |

**Electrical**

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

**Solder Process Data**

|                              |     |
|------------------------------|-----|
| Lead-free Process Capability | N/A |
|------------------------------|-----|

**EU ELV**

**Compliant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/79/2015 (17  
December 2015)

**Halogen-Free**

**Status**

**Not Relevant**

**Need more information on product environmental compliance?**

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

Not Relevant

Compliant

**Search Parts in this Series**

[31386 Series](#)

**Mates With**

MX123™ Female Harness Connector  
Assembly [34576](#)

**Use With**

[33467](#) MX64 Female Terminals Au

**Material Info**

**Reference - Drawing Numbers**

|                           |                             |
|---------------------------|-----------------------------|
| Application Specification | AS-31386-200                |
| Packaging Specification   | PK-31301-916                |
| Product Specification     | PS-31386-200, PS-34566-0000 |
| Sales Drawing             | SD-31386-056, SD-31386-156  |
| Test Summary              | TS-31386-1719               |

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