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**Part Number:** [0313878001](#)  
**Status:** **Active**  
**Overview:** [MX123 Sealed Connection System](#)  
**Description:** 2.54mm Pitch, MX123 Header, 66 Circuits Shrouded Assembly, Qty(64) 0.64mm Square Signal Pins + Qty(2) 2.8mm Power Blades, Harness Side Key Code A, Black (Au Mate Side Finish)

|                                                               |                                                                  |
|---------------------------------------------------------------|------------------------------------------------------------------|
| <b>Documents:</b>                                             |                                                                  |
| <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>             |

|                |                                                |
|----------------|------------------------------------------------|
| <b>General</b> |                                                |
| Product Family | PCB Headers                                    |
| Series         | <a href="#">31387</a>                          |
| Application    | Automotive, Power, Wire-to-Board               |
| Overview       | <a href="#">MX123 Sealed Connection System</a> |
| Product Name   | MX123                                          |
| UPC            | 887191393421                                   |

|                                |                |
|--------------------------------|----------------|
| <b>Physical</b>                |                |
| Breakaway                      | No             |
| Circuits (Loaded)              | 66             |
| Circuits (maximum)             | 66             |
| 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 - Plating Mating      | Gold           |
| Material - Plating Termination | Tin            |
| Net Weight                     | 23.201/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   |

|                               |       |
|-------------------------------|-------|
| <b>Electrical</b>             |       |
| Current - Maximum per Contact | 11.0A |
| Voltage - Maximum             | 500V  |

|                             |     |
|-----------------------------|-----|
| <b>Solder Process Data</b>  |     |
| Lead-freeProcess Capability | N/A |



Series image - Reference only

|                                                               |                   |
|---------------------------------------------------------------|-------------------|
| <b>EU ELV</b>                                                 |                   |
| <b>Compliant</b>                                              |                   |
| <b>EU RoHS</b>                                                | <b>China RoHS</b> |
| <b>Compliant</b>                                              |                   |
| <b>REACH SVHC</b>                                             |                   |
| Not Contained Per - D(2021)4569-DC (8 July 2021)              |                   |
| <b>Halogen-Free</b>                                           |                   |
| <b>Status</b>                                                 |                   |
| <b>Not Relevant</b>                                           |                   |
| For more information, please visit <a href="#">Contact US</a> |                   |
| China ROHS                                                    | Not Relevant      |
| ELV                                                           | Compliant         |
| RoHS Phthalates                                               | Not Contained     |

**Search Parts in this Series**  
[31387](#) Series

**Mates With**  
MX123 Female Harness Connector Assembly [34822](#)

**Use With**  
[33467](#) MX64 Female Terminals Au

**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-31387-066-000, SD-31387-173-000  |
| Test Summary              | TS-34566-002-001                    |

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