

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** **0500388100**  
**Status:** **Active**  
**Overview:** Mizu Sealed Connectors  
**Description:** 2.50mm Pitch Mizu-P25 Crimp Terminal, 50038, Bag

**Documents:**

|                                                              |                                                                  |
|--------------------------------------------------------------|------------------------------------------------------------------|
| <a href="#">Drawing (PDF)</a>                                | <a href="#">Application Specification AS-50038-001-001 (PDF)</a> |
| <a href="#">Product Specification PS-52048-001-001 (PDF)</a> | <a href="#">Packaging Specification 500380001-P00 (PDF)</a>      |
| <a href="#">Product Specification PS-52117-008-001 (PDF)</a> | <a href="#">RoHS Certificate of Compliance (PDF)</a>             |

**General**

|                         |                               |
|-------------------------|-------------------------------|
| Product Family          | Crimp Terminals               |
| Series                  | <u>50038</u>                  |
| Application             | Signal, Wire-to-Wire          |
| Crimp Quality Equipment | Yes                           |
| Overview                | <u>Mizu Sealed Connectors</u> |
| Packaging Alternative   | <u>500388000 (Reel)</u>       |
| Product Name            | Mizu-P25 Waterproof           |
| UPC                     | 800754368674                  |

**Physical**

|                                |                      |
|--------------------------------|----------------------|
| Gender                         | Male                 |
| Material - Metal               | Phosphor Bronze      |
| Material - Plating Mating      | Tin                  |
| Material - Plating Termination | Tin                  |
| Net Weight                     | 58.900/mg            |
| Packaging Type                 | Bag                  |
| Plating min - Mating           | 0.889µm              |
| Plating min - Termination      | 0.914µm              |
| Termination Interface: Style   | Crimp or Compression |
| Wire Insulation Diameter       | 1.80-1.90mm          |
| Wire Size AWG                  | 20, 22               |
| Wire Size mm²                  | N/A                  |

**Electrical**

|                   |      |
|-------------------|------|
| Voltage - Maximum | 250V |
|-------------------|------|

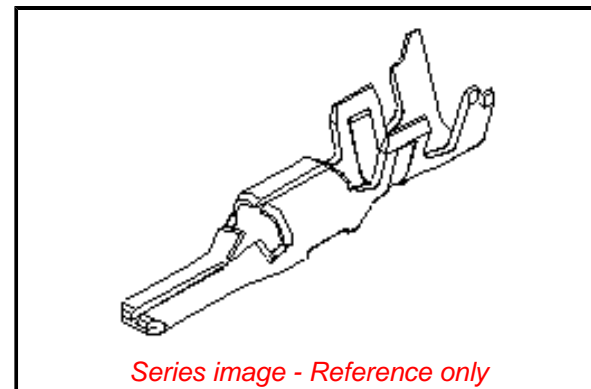
**Solder Process Data**

|                             |     |
|-----------------------------|-----|
| Lead-freeProcess Capability | N/A |
|-----------------------------|-----|

**Material Info**

**Reference - Drawing Numbers**

|                           |                                    |
|---------------------------|------------------------------------|
| Application Specification | AS-50038-001-001                   |
| Packaging Specification   | 500380001-P00                      |
| Product Specification     | PS-52048-001-001, PS-52117-008-001 |
| Sales Drawing             | SD-50038-001-001                   |



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**

**Low-Halogen**

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

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Compliant

Not Contained

**Search Parts in this Series**

50038 Series

**Use With**

Mizu-P25 2.50mm Pitch Waterproof Plug  
Housing 52116

**Application Tooling | FAQ**

*Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.*

**Global**

**Description**

**Product #**

|                      |                  |
|----------------------|------------------|
| PremiumGrade Hand    | <u>638233900</u> |
| Crimp Tool for Mizu- |                  |
| P25 Splash Proof     |                  |
| Crimp Terminals      |                  |

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