



**Part Number :** [521160411](#)

**Product Description :** Mizu-P25 2.50mm Pitch  
Waterproof Wire-to-Wire Plug Housing, 4 Circuits,  
Black

**Series Number :** 52116

**Status :** Active

**Product Category :** Connector Housings



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## Documents and Resources

### Drawings

[521160411\\_sd.pdf](#)

### 3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

### Specifications

[AS-52117-001-001.pdf](#)

[AS-52117-001-JP-001.pdf](#)


[521160000-P00.pdf](#)

[PS-52117-008-001.pdf](#)

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## Product Environment Compliance

### Compliance

GADSL/IMDS	Compliant
China RoHS	 per SJ/T 11365-2006
EU ELV	Compliant per 2000/53/EC
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)4165-DC (25 June 2025)
EU RoHS	Compliant per EU 2015/863

## Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

## Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

## Substances of Interest

- PFAS

## EU RoHS Certificate of Compliance

## Additional Product Compliance Information

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## Part Details

### General

Status	Active
Category	Connector Housings
Series	52116
Description	Mizu-P25 2.50mm Pitch Waterproof Wire-to-Wire Plug Housing, 4 Circuits, Black
Application	Signal, Wire-to-Wire
Product Name	Mizu-P25 Waterproof,Splash Proof
UPC	800754368599

### Agency

UL	E29179
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### Physical

Circuits (maximum)	4
Color - Resin	Black
Gender	Plug
Glow-Wire Capable	No
Lock to Mating Part	Yes

Material - Resin	Polyester
Net Weight	1829.700/mg
Number of Rows	1
Packaging Type	Tray
Panel Mount	No
Pitch - Mating Interface	2.50mm
Stackable	No
Temperature Range - Operating	-40° to +105°C

### Solder Process Data

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

#### Mates with Part(s)

Description	Part Number
Mizu-P25 Waterproof Receptacle Housings	<u>52117</u>

#### Use with Part(s)

Description	Part Number
Mizu-P25 Male Crimp Terminals	<u>50038</u>

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### Application Tooling

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