



Part Number : [502179001](#)

Product Description : Mighty-SPOX Crimp Terminal, 3.50mm Pitch, 24-18 AWG, Reel, Brass

Series Number : 50217

Status : Active

Product Category : Crimp Terminals

Packaging Alternative : 502179101 (Bag)

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## Documents & Resources

### Drawings

[Drawing 502179001\\_sd.pdf](#)

### 3D Models and Design Files

[3D Model 502179001\\_stp.zip](#)

### Specifications

[Packaging Specification 502179200-200.pdf](#)

[Packaging Specification SPK-50217-001-001.pdf](#)

[Product Specification PS-51067-001-001.pdf](#)

[Product Specification PS-51067-002-001.pdf](#)

[Product Specification PS-51067-005-001.pdf](#)

[Product Specification PS-51067-007-001.pdf](#)

[Product Specification PS-51067-008-001.pdf](#)

[Product Specification PS-51067-016-001.pdf](#)

[Product Specification PS-51067-017-001.pdf](#)

[Product Specification PS-51067-019-001.pdf](#)

[Product Specification PS-51067-020-001.pdf](#)

[Product Specification PS-51067-021-001.pdf](#)


### Tooling Specifications

[Crimp Specification CS-50217\\_50539-001.pdf](#)

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## Product Environment Compliance

### Compliance

|                    |   |
|--------------------|---|
| GADSL/IMDS         | Compliant with Exemption 44   |
| China RoHS         |  |
| EU ELV             | Not Relevant  |
| Low-Halogen Status | Low-Halogen per IEC 61249-2-21  |
| REACH SVHC         | Not Contained per D(2024)4144-DC (27 June 2024)                                       |
| 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       | Crimp Terminals  |
| Series         | 50217  |
| Description    | Mighty-SPOX Crimp Terminal,<br>3.50mm Pitch, 24-18 AWG, Reel,<br>Brass |
| Application    | Signal, Wire-to-Board, Wire-to-Wire                                    |
| Product Family | Mighty-SPOX Connector System   |
| Product Name   | Mighty-SPOX  |
| UPC            | 800753630277   |

#### Physical

|                                |                      |
|--------------------------------|----------------------|
| Gender                         | Female               |
| Material - Metal               | Brass                |
| Material - Plating Mating      | Tin                  |
| Material - Plating Termination | Tin                  |
| Net Weight                     | 238.300/mg           |
| Packaging Type                 | Reel                 |
| Plating min - Mating           | 0.889µm              |
| Plating min - Termination      | 0.889µm              |
| Termination Interface Style    | Crimp or Compression |
| Wire Insulation Diameter       | 1.40-3.00mm          |

|                           |                |
|---------------------------|----------------|
| Wire Size (AWG)           | 18, 20, 22, 24 |
| Wire Size mm <sup>2</sup> | N/A            |

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## Mates With / Use With

### Mates with Part(s)

| Description                      | Part Number  |
|----------------------------------|--------------|
| Mighty-SPOX Male Crimp Terminals | <u>50419</u> |

### Use with Part(s)

| Description                     | Part Number  |
|---------------------------------|--------------|
| Mighty-SPOX Receptacle Housings | <u>51067</u> |

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## Application Tooling

### Global

| Description  | Part Number      |
|--|------------------|
| PremiumGrade Hand Crimp Tool for 3.50mm Terminals for 24-18 AWG UL1015 and UL1007 or Equivalent Wire | <u>638118300</u> |
| Extraction and Activation Tool   | <u>638132700</u> |
| T2 Terminator Die, Large Insulation  | <u>638503000</u> |
| T2 Terminator Die, Small Insulation  | <u>638503100</u> |
| FineAdjust Applicator, Large Insulation  | <u>638603000</u> |
| FineAdjust Applicator, Small Insulation  | <u>638603100</u> |

### Application Tooling

### Japan

| Description   | Part Number      |
|---|------------------|
| S-1 Applicator for 3.50mm Pitch Crimp Terminal, 24-18 AWG, UL1007 Wires | <u>571833700</u> |
| S-1 Applicator for 3.50mm Pitch Crimp Terminal, 24-18 AWG, UL1015 Wires | <u>571833710</u> |

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