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Part Number:

0008700058

Status:

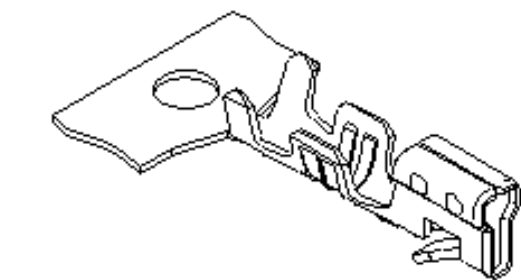
Active

Overview:

SPOX™ BMI Connector System

Description:

SPOX™ Crimp Terminal 5103, 22-28 AWG, Reel, Phosphor Bronze (CuSn), Chain Type



Series image - Reference only

- Documents:
- 3D Model

Drawing (PDF)

Product Specification PS-5045-001 (PDF)

Product Specification PS-5045-002 (PDF)

Product Specification PS-5102-002 (PDF)

Product Specification PS-5102-004 (PDF)

Product Specification PS-5102-008 (PDF)

Product Specification PS-5103-003 (PDF)

Product Specification PS-5103-004 (PDF)

Packaging Specification SPK-5103-001 (PDF)

RoHS Certificate of Compliance (PDF)

| General                        |                                                                                                                         |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Product Family                 | Crimp Terminals                                                                                                         |
| Series                         | 5103                                                                                                                    |
| Application                    | Signal                                                                                                                  |
| Crimp Quality Equipment        | Yes                                                                                                                     |
| Overview                       | SPOX™ BMI Connector System                                                                                              |
| Product Name                   | SPOX™                                                                                                                   |
| UPC                            | 800753534797                                                                                                            |
| Physical                       |                                                                                                                         |
| Durability (mating cycles max) | 30                                                                                                                      |
| Gender                         | Female                                                                                                                  |
| Material - Metal               | Phosphor Bronze                                                                                                         |
| Material - Plating Mating      | Tin                                                                                                                     |
| Material - Plating Termination | Tin                                                                                                                     |
| Net Weight                     | 60.000/mg                                                                                                               |
| Packaging Type                 | Reel                                                                                                                    |
| Plating min - Mating           | 0.889µm                                                                                                                 |
| Plating min - Termination      | 0.914µm                                                                                                                 |
| Termination Interface: Style   | Crimp or Compression                                                                                                    |
| Wire Insulation Diameter       | 1.90mm max.                                                                                                             |
| Wire Size AWG                  | 22, 24, 26, 28                                                                                                          |
| Wire Size mm²                  | N/A                                                                                                                     |
| Electrical                     |                                                                                                                         |
| Current - Maximum per Contact  | 3.0A                                                                                                                    |
| Voltage - Maximum              | 250V                                                                                                                    |
| Solder Process Data            |                                                                                                                         |
| Lead-freeProcess Capability    | N/A                                                                                                                     |
| Material Info                  |                                                                                                                         |
| Old Part Number                | 5103PBT                                                                                                                 |
| Reference - Drawing Numbers    |                                                                                                                         |
| Crimp Specification            | CS-5103, CS-5103A                                                                                                       |
| Packaging Specification        | SPK-5103-001                                                                                                            |
| Product Specification          | PS-5045-001, PS-5045-002, PS-5102-002, PS-5102-004, PS-5102-008, PS-5103-003, PS-5103-004, RPS-35155-101, RPS-35155-102 |
| Sales Drawing                  | SD-5103-002                                                                                                             |

EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per - ED/39/2015 (15 June 2015)

Halogen-Free

Status

Low-Halogen

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

China RoHS

Green Image  
Not Relevant

Search Parts in this Series

5103 Series

Use With

5102 Crimp Housing, 5207 Mini SPOX Housing

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 #  |
|-------------------------------------|------------|
| T2 Terminator                       | 0639104600 |
| Tooling Die                         |            |
| Hand Crimp Tool for Crimp Terminals | 0638115200 |
| Manual Extraction Tool              | 0638131500 |

|                                                                                                  |                   |
|--------------------------------------------------------------------------------------------------|-------------------|
| FineAdjust™<br>Applicator for Wire-<br>to-Board and Wire-<br>to-Wire Terminal,<br>22-28 AWG Wire | <u>0639004600</u> |
|--------------------------------------------------------------------------------------------------|-------------------|

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