

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0008700058

Status:

Active

Overview:

spox\_bmi

Description:

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

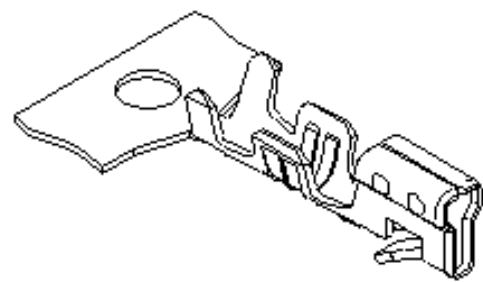


image - Reference only

Series

Documents:

- [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 \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family

Series

Crimp Quality Equipment

Overview

Product Name

Crimp Terminals

5103

Yes

spox\_bmi

SPOX™

Physical

Durability (mating cycles max)

Gender

Material - Metal

Material - Plating Mating

Material - Plating Termination

Packaging Type

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Termination Interface: Style

Wire Insulation Diameter

Wire Size AWG

Wire Size mm²

30

Female

Phosphor Bronze

Tin

Tin

Reel

36

0.90

36

0.90

Crimp or Compression

1.90mm (.075") max.

22, 24, 26, 28

N/A

Electrical

Current - Maximum per Contact

Voltage - Maximum

3A

250V

Material Info

Old Part Number

5103PBT

Reference - Drawing Numbers

Product Specification

Sales Drawing

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 SD-5103-002

EU RoHS

ELV and RoHS  
Compliant  
REACH SVHC  
Contains SVHC: No  
Halogen-Free  
Status

China RoHS



Need more information on product environmental compliance?

Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series  
5103Series

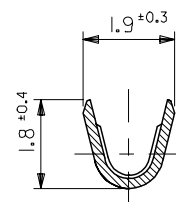
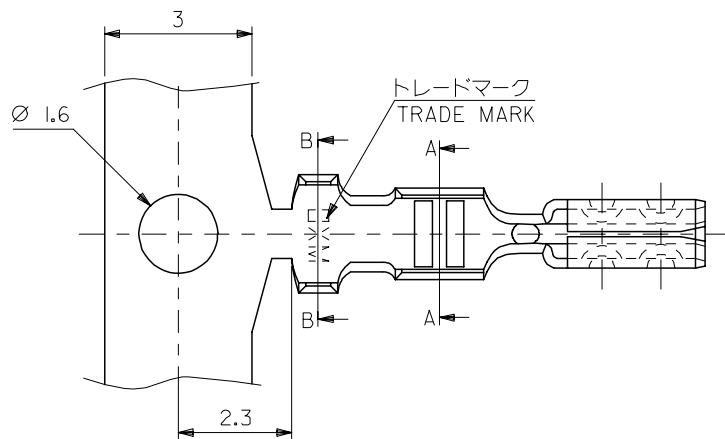
Use With  
5102 Crimp Housing, 5207 Mini SPOX Housing

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.

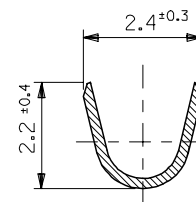
| Global                                                                  |            |
|-------------------------------------------------------------------------|------------|
| Description                                                             | Product #  |
| FineAdjust™                                                             | 0639004600 |
| Applicator for SPOX™ Wire-to-Board and Wire-to-Wire Terminal, 22-28 AWG |            |
| T2 Terminator                                                           | 0639104600 |
| Tooling Die                                                             |            |
| Hand Crimp Tool                                                         | 0638115200 |

This document was generated on 05/17/2010

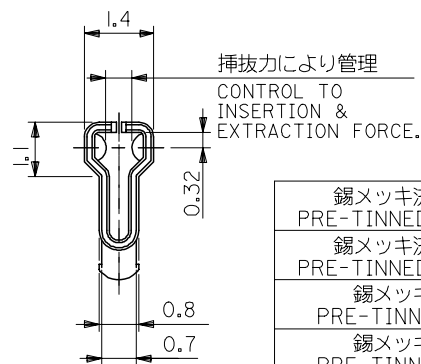
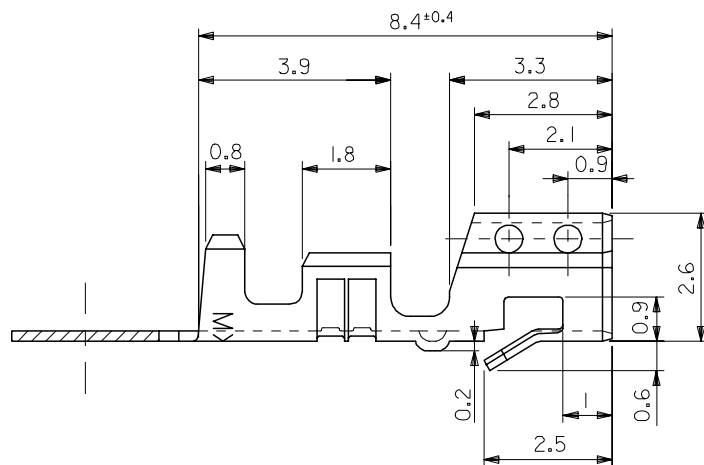
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断面 A-A  
SECT. A-A



断面 B-B  
SECT. B-B



挿抜力により管理  
CONTROL TO  
INSERTION &  
EXTRACTION FORCE.

注記 NOTES:

1. 適合ハウジング:  
APPLICABLE HOUSING:  
5102-N,5207-N,5208-N,5209-N

|                                   |            |          |              |
|-----------------------------------|------------|----------|--------------|
| 錫メッキ済リン青銅<br>PRE-TINNED PHOS-BRO. | 08-70-0059 | 5103PBT  | バラ状<br>LOOSE |
| 錫メッキ済リン青銅<br>PRE-TINNED PHOS-BRO. | 08-70-0058 | 5103PBT  | 連鎖状<br>CHAIN |
| 錫メッキ済黄銅<br>PRE-TINNED BRASS       | 08-70-0057 | 5103TL   | バラ状<br>LOOSE |
| 錫メッキ済黄銅<br>PRE-TINNED BRASS       | 08-70-0056 | 5103T    | 連鎖状<br>CHAIN |
| 材料<br>MATERIAL                    | EDP NO.    | ENG. NO. | 端子形状<br>FORM |

|                       |  |                                         |  |                                                                                       |                                                       |                                                            |       |                                                                                                                                  |  |                     |                              |                                                                                                                 |                    |  |
|-----------------------|--|-----------------------------------------|--|---------------------------------------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------|--|---------------------|------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------|--|
| 材 料<br>MATERIAL       |  | 表参照 (t=0.203)<br>SEE TABLE              |  | REVISED<br>EC NO: J2006-3417<br>DRWNG: SAI T001<br>CHKD: MTANAKA<br>APPR: NUKITA<br>N | DESCRIPTION<br>2006/07/31<br>2006/08/04<br>2006/08/07 | GENERAL TOLERANCES<br>(UNLESS SPECIFIED)                   |       | DIMENSION STYLE<br>MM ONLY                                                                                                       |  | SCALE<br>10:1       | DESIGN UNITS<br>METRIC       |  THIRD ANGLE<br>PROJECTION |                    |  |
| 適用電線範囲<br>WIRE RANGE  |  | AWG #22 ~28<br>0.33~0.08mm <sup>2</sup> |  |                                                                                       |                                                       | 10 UNDER                                                   | ±0.2  | DRAWN BY<br>K. TOJO                                                                                                              |  | DATE<br>1990/12/25  | TITLE<br>MINI SPOX CRIMP REC |                                                                                                                 |                    |  |
| 被 覆 外 径<br>INS. RANGE |  | Ø1.15 ~ Ø1.9                            |  |                                                                                       |                                                       | 10 OVER 30 UNDER                                           | ±0.25 | CHECKED BY<br>H. HIRAMOTO                                                                                                        |  | DATE<br>1996/03/04  |                              |                                                                                                                 |                    |  |
|                       |  |                                         |  |                                                                                       |                                                       | 30 OVER                                                    | ±0.3  | APPROVED BY<br>M. FUKUSHIMA                                                                                                      |  | DATE<br>1996/03/04  |                              |                                                                                                                 |                    |  |
|                       |  |                                         |  |                                                                                       |                                                       | ANGULAR ±3 °                                               |       | MATERIAL NO.                                                                                                                     |  | DOCUMENT NO.        |                              |                                                                                                                 | MOLEX INCORPORATED |  |
|                       |  |                                         |  |                                                                                       |                                                       | DRAFT WHERE APPLICABLE<br>MUST REMAIN<br>WITHIN DIMENSIONS |       | SEE CHART                                                                                                                        |  | SD-5103-002         |                              |                                                                                                                 |                    |  |
|                       |  |                                         |  |                                                                                       |                                                       | SIZE<br>A3                                                 |       | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX<br>INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |  |                     |                              |                                                                                                                 |                    |  |
|                       |  |                                         |  |                                                                                       |                                                       |                                                            |       |                                                                                                                                  |  | SHEET NO.<br>1 OF 1 |                              |                                                                                                                 |                    |  |