

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0190700045](#)
Status: **Active**
Description: InsulKrimp™ Ring Tongue Terminal for 18-22 AWG Wire

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-19902-009 \(PDF\)](#)

Agency Certification

CSA LR18689
 UL E32244

General

Product Family Ring and Spade Terminals
 Series [19070](#)
 Crimp Quality Equipment Yes
 Mil-Spec N/A
 Product Name InsulKrimp™
 Type Ring

Physical

Barrel Type Closed
 Flammability 94V-2
 Insulation PVC
 Material - Plating Mating Tin
 Packaging Type Adhesive Tape on Reel
 Stud Size 8 (M4)
 Wire Insulation Diameter 3.70mm (.145") max.
 Wire Size AWG 18, 20, 22
 Wire Size mm² 0.35 - 0.80

Material Info

Old Part Number AA-232-08XT

Reference - Drawing Numbers

Product Specification PS-19902-009
 Sales Drawing SD-19070-003



EU RoHS

ELV and RoHS Compliant
REACH SVHC
 Not Reviewed
Halogen-Free Status
 Not Reviewed

China RoHS



Need more information on product environmental compliance?

Email 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

[19070Series](#)

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.

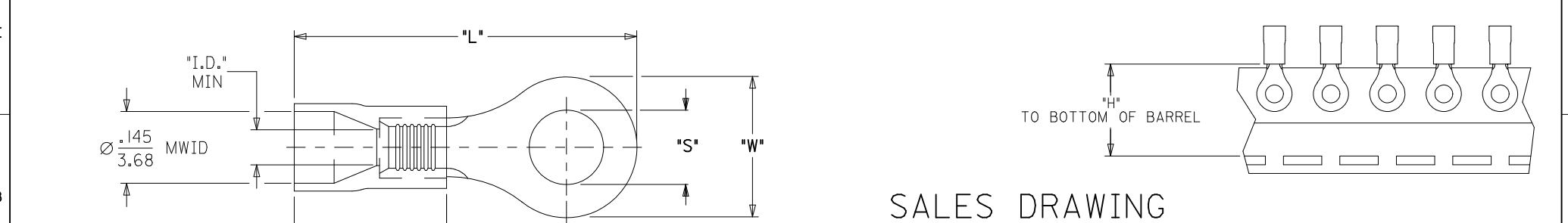
Global

| Description | Product # |
|---|----------------------------|
| Crimp Dies for MTA-100 Tape Applicator used in 3BF Press, MTA-105 Tape Applicator used in TM-2000™ Press, and ATP-301 Air Crimping Press for Mylar Tape Mounted Terminals | 0192880023 |
| Mini-Mac™ Applicator | 0638851300 |

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| LOOSE PIECE | | TAPE MOUNTED | | SPECIFICATIONS | | | | | | | | |
|-----------------|------------------|-----------------|------------------|----------------|---------------------|--------------|--------------|---------------|--------------|------------------------------|--------------------|--|
| MATERIAL NUMBER | ALTERNATE NUMBER | MATERIAL NUMBER | ALTERNATE NUMBER | STUD SIZE | "S" ±.005/(0.13) | "W" MAX. | "C" MIN. | "L" MAX. | "ID" MIN. | STOCK THICKNESS REFERENCE | "H" ±.020/-.051 | |
| F 190700005 | AA-220-02X | 190700006 | AA-220-02XT | 2 | .094/(2.39) | .235/(6.00) | .157/(3.99) | .709/(18.01) | .062/(1.57) | .028/(0.71) | .980/(24.89) | |
| 190700007 | AA-220-04X | 190700008 | AA-220-04XT | 4 | .119/(3.02) | | | | | | | |
| 190700009 | AA-220-06X | 190700010 | AA-220-06XT | 6 | .146/(3.71) | | | | | | | |
| 190700011 | AA-221-06X | 190700012 | AA-221-06XT | 6 | .146/(3.71) | .322/(8.18) | .270/(6.86) | .866/(22.00) | .062/(1.57) | | | |
| 190700013 | AA-221-08X | 190700014 | AA-221-08XT | 8 | .173/(4.39) | | | | | | | |
| 190700015 | AA-221-10X | 190700017 | AA-221-10XT | 10 | .198/(5.03) | | | | | | | |
| 190700019 | AA-221-209X | 190700020 | AA-221-209XT | M5 | .209/(5.18) | .544/(13.82) | .552/(14.02) | 1.259/(31.98) | .055/(1.40) | .031/(0.79) | | |
| E 190700021 | AA-222-10X | 190700022 | AA-222-10T | 10 | .198/(5.03) | | | | | | | |
| 190700023 | AA-222-14X | 190700024 | AA-222-14XT | 14 | .265/(6.73) | | | | | | | |
| 190700026 | AA-222-56X | 190700027 | AA-222-56XT | 5/16" | .328/(8.33) | | | | | | | |
| 190700029 | AA-226-10X | 190700030 | AA-226-10XT | 10 | .198/(5.03) | | | | | | | |
| 190700031 | AA-226-14X | 190700032 | AA-226-14XT | 14 | .265/(6.73) | | | | | | | |
| 190700036 | AA-226-56X | 190700037 | AA-226-56XT | 5/16" | .328/(8.33) | .264/(6.70) | .240/(6.10) | .807/(20.50) | .062/(1.57) | .028/(0.71) | | |
| 190700033 | AA-226-38X | 190700035 | AA-226-38XT | 3/8" | .390/(9.91) | | | | | | | |
| D 190700038 | AA-232-04X | 190700039 | AA-232-04XT | 4 | .119/(3.02) | | | | | | | |
| 190700040 | AA-232-06X | 190700042 | AA-232-06XT | 6 | .146/(3.71) | .283/(7.20) | .240/(6.10) | .816/(20.73) | .062/(1.57) | .028/(0.71) | | |
| 190700044 | AA-232-08X | 190700045 | AA-232-08XT | 8 | .173/(4.39) | | | | | | | |
| 190700051 | AA-233-10X | 190700052 | AA-233-10XT | 10 | .198/(5.03) | | | | | | | |
| 190700001 | AA-2111-02X | 190700002 | AA-2111-02XT | 2 | .094/(2.39) | .197/(5.00) | .173/(4.40) | .715/(18.16) | .055/(1.40) | .031/(0.79) | | |
| 190700003 | AA-2111-04X | 190700004 | AA-2111-04XT | 4 | .119/(3.02) | | | | | | | |



SALES DRAWING

- NOTE(S):
 1. MATERIAL: COPPER
 PLATING: ELECTROPLATE TIN
 2. DELETED
 3. INSULATION: RED MOLDED PVC
 4. MWID=MAXIMUM WIRE INSULATION DIA.
 5. ALL DIMENSIONS IN INCHES (MM).
 6. PARTS ARE ROHS COMPLIANT.

C1

| FIX NOMENCLATURE ERRORS EC NO: WINA2010-0735 DR: WNETHRODAHL 2010/05/20 CHKD: JMACNEIL 2010/05/24 APPR: JMACNEIL 2010/06/04 REV: C1 | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> <tr> <td>4 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>3 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>2 PLACES</td> <td>±---</td> <td>±---</td> </tr> <tr> <td>1 PLACE</td> <td>±---</td> <td>±---</td> </tr> </table> ANGULAR ±---° | | mm | INCH | 4 PLACES | ±--- | ±--- | 3 PLACES | ±--- | ±--- | 2 PLACES | ±--- | ±--- | 1 PLACE | ±--- | ±--- | DIMENSION STYLE IN/MM DRAWN BY: DMYRICK DATE: 2005/7/22 CHECKED BY: HBEITZEL DATE: 2005/7/22 APPROVED BY: RDEROSS DATE: 2005/7/22 | SCALE: --- DESIGN UNITS: INCH THIRD ANGLE PROJECTION | TITLE: RING TONGUE TERMINAL INSULKRIMP, 200-SERIES 22-18 AWG MOLEX INCORPORATED |
|---|-------------------------------|--|------------------|----|------|----------|------|------|----------|------|------|----------|------|------|---------|------|------|--|--|--|
| | | mm | INCH | | | | | | | | | | | | | | | | | |
| | 4 PLACES | ±--- | ±--- | | | | | | | | | | | | | | | | | |
| | 3 PLACES | ±--- | ±--- | | | | | | | | | | | | | | | | | |
| 2 PLACES | ±--- | ±--- | | | | | | | | | | | | | | | | | | |
| 1 PLACE | ±--- | ±--- | | | | | | | | | | | | | | | | | | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | MATERIAL NO. SEE CHART | DOCUMENT NO. SD-19070-003 | SHEET NO. 1 OF 1 | | | | | | | | | | | | | | | | | |
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | | | | | | | | | | | | | | | |