

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0190700015](#)
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

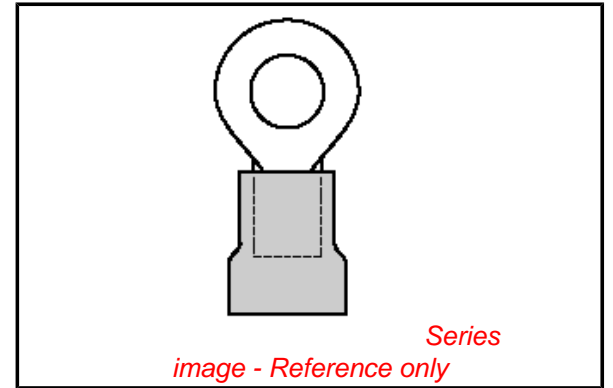
Barrel Type Closed
 Flammability 94V-2
 Insulation PVC
 Material - Plating Mating Tin
 Packaging Type Bag
 Stud Size 10 (M5)
 Wire Insulation Diameter 3.70mm (.145") max.
 Wire Size AWG 18, 20, 22
 Wire Size mm² 0.35 - 0.80

Material Info

Old Part Number AA-221-10X

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.

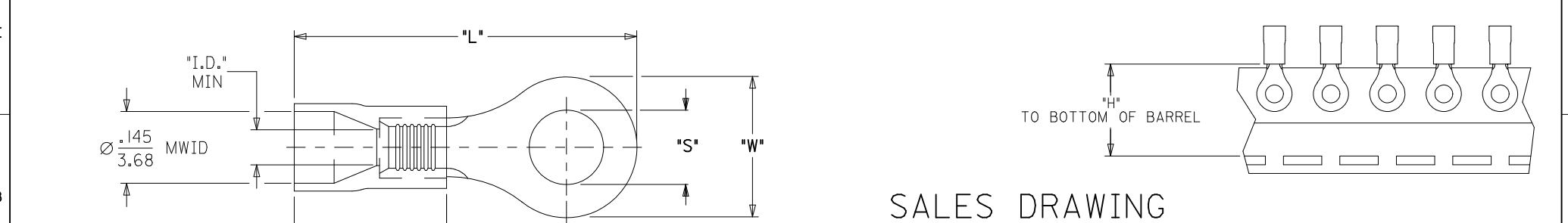
Global

Description	Product #
Hand Crimp Tool	0640010100
Hand Crimp Tool	0640010300
Hand Crimp Tool	0640011200
Crimp Head for the AT-200™ Pneumatic Hand Tool	0640050100
Crimp Head for the AT-200™ Pneumatic Hand Tool	0640050300
Crimp Head for the AT-200™ Pneumatic Hand Tool	0640051200

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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)	
	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)	.028/(0.71)	
	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)	.477/(12.11)	.386/(9.80)	1.060/(26.92)	.062/(1.57)	.028/(0.71)	
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)	.544/(13.82)	.552/(14.02)	1.259/(31.98)	.055/(1.40)	.031/(0.79)	
	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)						
	190700038	AA-232-04X	190700039	AA-232-04XT	4	.119/(3.02)						
D	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)						



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.

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
		mm	INCH																
	4 PLACES	±---	±---																
	3 PLACES	±---	±---																
2 PLACES	±---	±---																	
1 PLACE	±---	±---																	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART SIZE: B	TITLE: RING TONGUE TERMINAL INSULKRIMP, 200-SERIES 22-18 AWG MOLEX INCORPORATED 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																			