

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0190700038](#)  
**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**

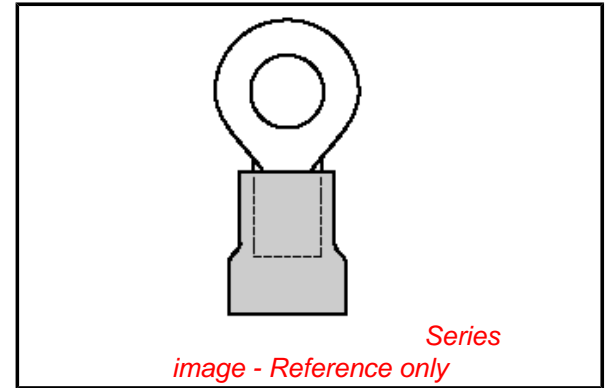
Barrel Type Closed  
 Flammability 94V-2  
 Insulation PVC  
 Material - Plating Mating Tin  
 Packaging Type Bag  
 Stud Size 3-4 (M2.6)  
 Termination Interface: Style Crimp or Compression  
 Wire Insulation Diameter 3.70mm (.145") max.  
 Wire Size AWG 18, 20, 22  
 Wire Size mm² 0.35 - 0.80

**Material Info**

Old Part Number AA-232-04X

**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](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**

[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	<a href="#">0640010100</a>
Hand Crimp Tool	<a href="#">0640010300</a>
Hand Crimp Tool	<a href="#">0640011200</a>
Crimp Head for the AT-200™ Pneumatic Hand Tool	<a href="#">0640050100</a>
Crimp Head for the AT-200™ Pneumatic Hand Tool	<a href="#">0640050300</a>
Crimp Head for the AT-200™ Pneumatic Hand Tool	<a href="#">0640051200</a>

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10		9		8		7		6		5		4		3		2		19070		
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)	.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)														
E	190700021	AA-222-10X	190700022	AA-222-10T	10	.198/(5.03)	.477/(12.11)	.386/(9.80)	1.060/(26.92)	.062/(1.57)	.028/(0.71)									
	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)	.544/(13.82)	.552/(14.02)	1.259/(31.98)	.055/(1.40)	.031/(0.79)	1.172/(29.77)								
	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)														
	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)	.264/(6.70)	.240/(6.10)	.807/(20.50)	.062/(1.57)	.028/(0.71)	.980/(24.89)								
	190700040	AA-232-06X	190700042	AA-232-06XT	6	.146/(3.71)														
	190700044	AA-232-08X	190700045	AA-232-08XT	8	.173/(4.39)														
	190700051	AA-233-10X	190700052	AA-233-10XT	10	.198/(5.03)	.283/(7.20)	.240/(6.10)	.816/(20.73)	.062/(1.57)	.028/(0.71)									
	190700001	AA-2111-02X	190700002	AA-2111-02XT	2	.094/(2.39)														
	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.

## SALES DRAWING

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