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[Home](#) [Ring and Spade Terminals](#) [Datasheet](#)

Part Number: 0190730013

Status: Active

Description: Avikrimp™ Ring Tongue Terminal for 18 to 22 AWG Wire, Stude Size 8, Length 22.00mm (.866")

Documents:

Note - Please disable browser pop-up blockers for documents on www.molex.com

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Part Detail: ([show all](#))

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General

Product Family	Ring and Spade Terminals
Series	19073
Comments	Type II Insulated; Class 1 and 2
Mil-Spec	AS25036-149
Mil-Spec	MS25036-149
Product Name	Avikrimp™
Type	Ring

Physical

Barrel Type	Closed
Flammability	94 V0
Insulation	Nylon (PA)
Material - Plating Mating	Tin
Packaging Type	Bag
Plating min: Mating (µin)	100
Plating min: Mating (µm)	2.5
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.5
Stud Size	8 (M4)
Wire Insulation Diameter	3.60mm (.142") max.
Wire Size AWG	18
Wire Size AWG	20
Wire Size AWG	22
Wire Size mm²	0.35 - 0.80

Electrical

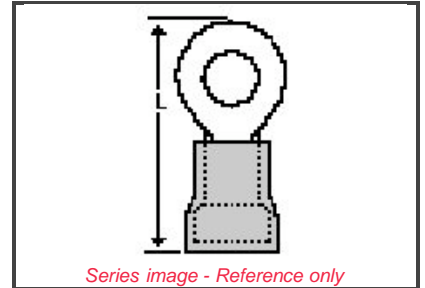
CSA	LR18689
UL	E32244

Material Info

Old Part Number	AA-821-08
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Reference - Drawing Numbers

Sales Drawing	SD-19073-002
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EU RoHS

ELV and RoHS Compliant

China RoHS



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[19073](#) Series

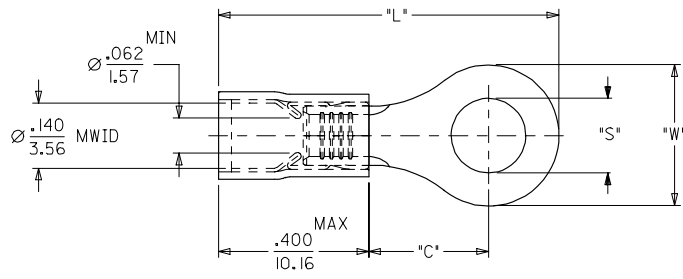
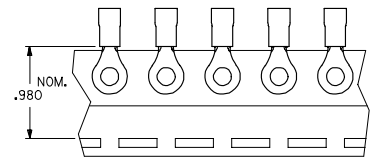
Application Tooling

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	0640011200
Crimp Head for the AT-200™ Pneumatic Hand Tool	0640050100
Crimp Head for the AT-200™ Pneumatic Hand Tool	0640051200

MATERIAL NUMBER	ALTERNATE NUMBER	STUD SIZE	"S"	"W"	Ⓢ "C" MIN	Ⓢ "L" MAX	PACKAGING
I90730005	AA-820-02	2	.094/(2.38)	.23(5.7)	.16(4.0)	.71(18.0)	LOOSE PIECE
I90730007	AA-820-04	4	.119/(3.02)	.23(5.7)	.16(4.0)	.71(18.0)	
I90730009	AA-820-06	6	.146/(3.71)	.23(5.7)	.16(4.0)	.71(18.0)	
I90730011	AA-821-06	6	.146/(3.71)	.31(7.9)	.27(6.9)	.87(22.0)	
I90730013	AA-821-08	8	.173/(4.39)	.31(7.9)	.27(6.9)	.87(22.0)	
I90730017	AA-821-10	10	.198/(5.03)	.31(7.9)	.27(6.9)	.87(22.0)	TAPE MOUNTED
I90730020	AA-821-209	5MM	.209/(5.30)	.31(7.9)	.27(6.9)	.87(22.0)	
I90730006	AA-820-02T	2	.094/(2.38)	.23(5.7)	.16(4.0)	.71(18.0)	
I90730008	AA-820-04T	4	.119/(3.02)	.23(5.7)	.16(4.0)	.71(18.0)	
I90730010	AA-820-06T	6	.146/(3.71)	.23(5.7)	.16(4.0)	.71(18.0)	
I90730012	AA-821-06T	6	.146/(3.71)	.31(7.9)	.27(6.9)	.87(22.0)	
I90730015	AA-821-08T	8	.173/(4.39)	.31(7.9)	.27(6.9)	.87(22.0)	
I90730019	AA-821-10T	10	.198/(5.03)	.31(7.9)	.27(6.9)	.87(22.0)	
I90730021	AA-821-209T	5MM	.209/(5.30)	.31(7.9)	.27(6.9)	.87(22.0)	



- NOTES:
- MATERIAL: COPPER
PLATING: ELECTROPLATE TIN
 - FERRULE: TIN-PLATED BRASS
 - INSULATION: RED NYLON 94V2.
 - MWID=MAXIMUM WIRE INSULATION DIA.
 - ALL DIMENSIONS IN INCHES/(MM).
 - ASSEMBLY IS ROHS COMPLIANT.

REV CHART DIM. C & L EC NO: ETC2007-0223 DRAWN/HILLE 2006/12/04 CHKD: JACONEL 2006/12/04 APPR: JACONEL 2006/12/06	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE IN/MM	SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
		4 PLACES ± --- ± --- 3 PLACES ± --- ± .005 2 PLACES ± 0.13 ± .01 1 PLACE ± 0.25 ± --- ANGULAR ±1/2°	DRAWN BY HEB DATE 2000/09/08	TITLE RING TONGUE TERMINAL AVIKRIMP 800 SERIES		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CHECKED BY RWD DATE 2000/09/08	MOLEX INCORPORATED		
			APPROVED BY RWD DATE 2000/09/08	MATERIAL NO. SEE CHART	DOCUMENT NO. SD-19073-002	STEEY NO. 1 OF 1
			SIZE B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		