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Part Number: [0190730005](#)
Status: **Active**
Description: Avikrimp™ Ring Tongue Terminal for 18 to 22 AWG Wire, Stud Size 2, Length 18.00mm (.708")

Documents:
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA	LR18689
UL	E32244

General

Product Family	Ring and Spade Terminals
Series	19073
Comments	Type II Insulated; Class 1 and 2
Crimp Quality Equipment	Yes
Mil-Spec	AS25036-159, MS25036-159
Product Name	Avikrimp™
Type	Ring

Physical

Barrel Type	Closed
Flammability	94V-0
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	1-2 (M2)
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	3.60mm (.142") max.
Wire Size AWG	18, 20, 22
Wire Size mm²	0.35 - 0.80

Material Info

Old Part Number	AA-820-02
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Reference - Drawing Numbers

Sales Drawing	SD-19073-002
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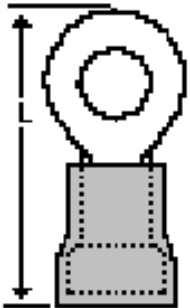


image - Reference only

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](#)

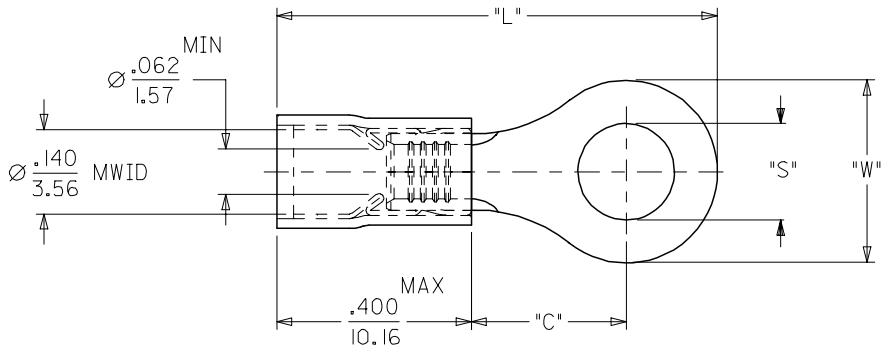
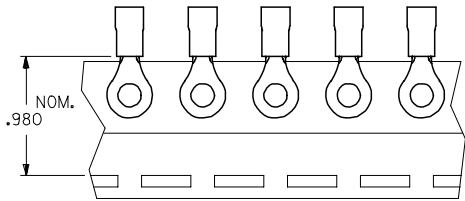
Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series
[19073Series](#)

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

	10	9	8	7	6	5	4	3	2	19073
	MATERIAL NUMBER	ALTERNATE NUMBER	STUD SIZE	"S"	"W"	Ⓢ "C" MIN	Ⓢ "L" MAX	PACKAGING		
F	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)			
E	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:
1. MATERIAL: COPPER
PLATING: ELECTROPLATE TIN
2. FERRULE: TIN-PLATED BRASS
3. INSULATION: RED NYLON 94V2.
4. MWID=MAXIMUM WIRE INSULATION DIA.
5. ALL DIMENSIONS IN INCHES/(MM).
Ⓢ 6. ASSEMBLY IS ROHS COMPLIANT.

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