

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

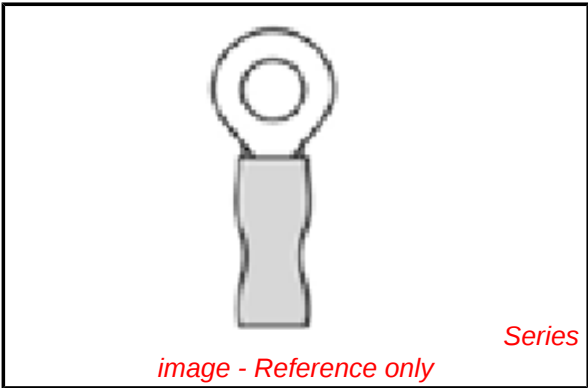
0191640306

Status:

Active

Description:

Perma-Seal™ Ring Tongue Terminal for 18-22 AWG Wire, Stud Size 10, Mylar Tape Carrier



Documents:	
Drawing (PDF)	RoHS Certificate of Compliance (PDF)
Agency Certification	
CSA	LR18689
UL	E32244
General	
Product Family	Ring and Spade Terminals
Series	19164
Crimp Quality Equipment	Yes
Mil-Spec	N/A
Product Name	Perma-Seal™
Type	Ring
Physical	
Barrel Type	Closed
Flammability	94V-2
Insulation	NiAc™
Material - Plating Mating	Tin
Packaging Type	Adhesive Tape on Reel
Stud Size	10 (M5)
Wire Insulation Diameter	5.97mm (.235")
Wire Size AWG	18, 20, 22
Wire Size mm²	0.38 - 0.96
Material Info	
Old Part Number	SA-221-10T
Reference - Drawing Numbers	
Sales Drawing	SD-19164-006

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

19164Series

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.

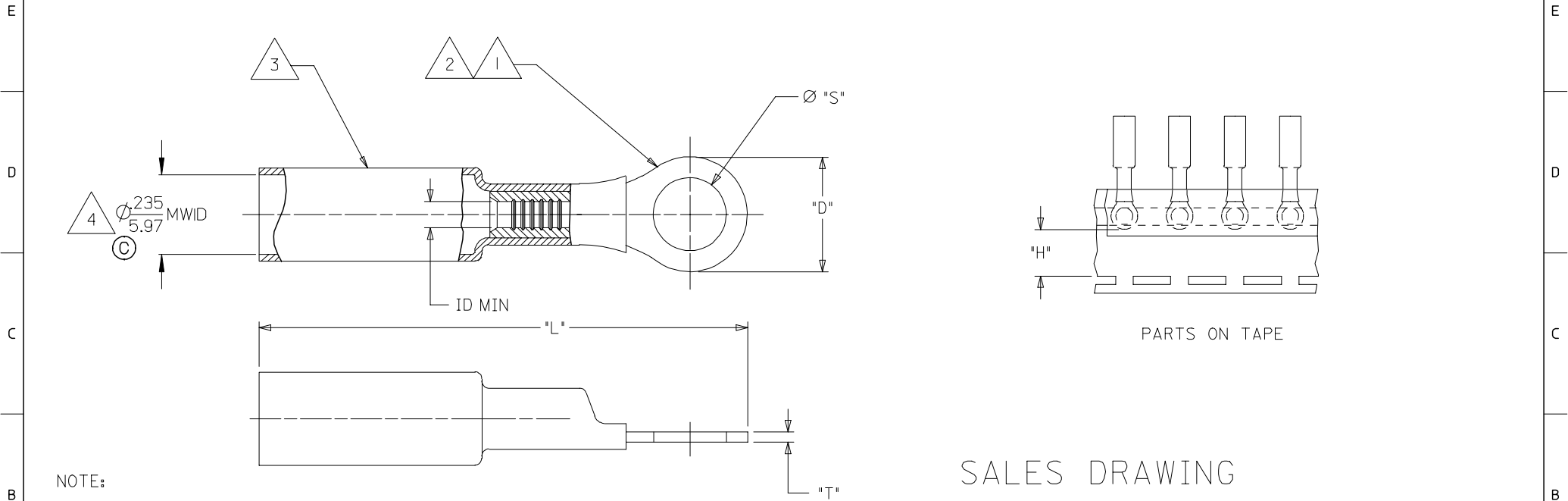
Global

Description	Product #
Power Crimp Tool	0640057400
Head for Prema-Seal™ Terminals	
10-22 AWG	
ATP Perishable Tool	0198082009
Kit Used in ATP	
Presses that Process	
18-22 AWG Product	
on Tape	
Hand Crimp Tool, UL	0640017400
Approved	

This document was generated on 04/14/2010

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	10		9	8	7	6	5	4	3	2	1	
	MATERIAL NUMBER	ENGINEERING NUMBER	MATERIAL NUMBER ON TAPE	ENGINEERING NUMBER ON TAPE	STUD SIZE	HOLE "S" $\pm .005$ ± 0.03	"D" MAX	"H" $\pm .010$ ± 0.25	"L" MAX	"T" REF	ID MIN	
F	I91640085	SA-221-06	---	---	#6	$\varnothing .146/3.71$	$\varnothing .32/8.1$	---	1.46/37.1	.028/0.71	.064/1.63	F
	I91640086	SA-221-08	I91640419	SA-221-08T	#8	$\varnothing .173/4.39$	$\varnothing .32/8.1$	.534/13.56	1.46/37.1	.028/0.71	.064/1.63	
	I91640003	SA-221-10	I91640306	SA-221-10T	#10	$\varnothing .198/5.03$	$\varnothing .32/8.1$	.534/13.56	1.46/37.1	.028/0.71	.064/1.63	
	I91640004	SA-222-14	I91640844	SA-222-14T	1/4	$\varnothing .265/6.73$	$\varnothing .48/12.2$	.340/8.65	1.66/42.2	.028/0.71	.055/1.40	
	I91640005	SA-226-38	I91640845	SA-226-38T	3/8	$\varnothing .390/9.91$	$\varnothing .54/13.7$	.328/8.33	1.95/49.5	.032/0.81	.055/1.40	



- NOTE:
- 1. TERMINAL MATERIAL: COPPER ALLOY
 - 2. FINISH: ELECTRO TIN PLATE.
 - 3. INSULATION MATERIAL: HEAT SHRINKABLE TUBING WITH HOTMELT ADHESIVE INNER LINER. COLOR: RED.
 - 4. MWID = MAXIMUM WIRE INSULATION DIAMETER.

CHANGED MWID EC NO: ETC2006-0154 IDRWNASAYDEH 2005/12/21 CHKD: JLOMASTRO 2005/12/21 APPR: JPANLICK 2005/12/21		DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE ---	DESIGN UNITS INCH	 THIRD ANGLE PROJECTION																											
			 =0  =0	<table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± 0.13</td><td>± .005</td></tr><tr><td>2 PLACES</td><td>± 0.25</td><td>± .010</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td></tr><tr><td colspan="3">ANGULAR ± ---°</td></tr></table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± 0.13	± .005	2 PLACES	± 0.25	± .010	1 PLACE	± ---	± ---	ANGULAR ± ---°			<table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>BENDERLE</td><td>2005/5/14</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>HBEITZEL</td><td>2005/5/14</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>RDEROSS</td><td>2005/5/14</td></tr></table>	DRAWN BY	DATE	BENDERLE	2005/5/14	CHECKED BY	DATE	HBEITZEL	2005/5/14	APPROVED BY	DATE	RDEROSS	2005/5/14	TITLE	RING TONGUE TERMINAL PERMA-SEAL NIAC 22-18 AWG
	mm		INCH																																		
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		 MOLEX INCORPORATED																																			
		MATERIAL NO. SEE CHART	DOCUMENT NO. SD-19164-006	SHEET NO. 1 OF 1																																	
C		REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SIZE B		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																														