

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0191640457](#)
Status: **Active**
Description: Perma-Seal™ Ring Tongue Terminal for 8 AWG Wire, Stud Size 1/2

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 Bag
Stud Size 1/2" (M12)
Wire Insulation Diameter 9.53mm (.375")
Wire Size AWG 8
Wire Size mm² 7.96

Material Info

Old Part Number SD-652-12

Reference - Drawing Numbers

Sales Drawing SD-19164-023



image - Reference only

Series

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 #
Hand Crimp Tool	0640013900
Crimp Head for the AT-200™ Pneumatic Hand Tool	0640055400

	10	9	8	7	6	5	4	3	2	19164																																																										
	MATERIAL NUMBER	ENGINEERING NUMBER	MATERIAL NUMBER ON TAPE	ENGINEERING NUMBER ON TAPE	"L" MAX	"S" ±.010 (0.25)	"W" MAX	"H" ±.010 (0.25)	"T" REF																																																											
F	191640889	SD-656-08	N/A	N/A	1.60 (40.6)	.173 (4.39)	.38 (9.7)	N/A	.045/1.14		F																																																									
	191640080	SD-656-10	N/A	N/A	1.60 (40.6)	.214 (5.44)	.38 (9.7)	N/A	.045/1.14																																																											
	191640081	SD-651-14	191640603	SD-651-14T	1.79 (45.5)	.280 (7.11)	.60 (15.2)	.348 (8.84)	.045/1.14																																																											
	191640083	SD-651-56	191640605	SD-651-56T	1.79 (45.5)	.343 (8.71)	.60 (15.2)	.348 (8.84)	.045/1.14																																																											
	191640082	SD-652-38	N/A	N/A	2.05 (51.1)	.405 (10.29)	.82 (20.8)	N/A	.050/1.27																																																											
	191640839	SD-652-76	N/A	N/A	2.05 (52.1)	.468 (11.89)	.82 (20.8)	N/A	.050/1.27																																																											
	191640457	SD-652-12	N/A	N/A	2.05 (52.1)	.530 (13.46)	.82 (20.8)	N/A	.050/1.27																																																											
E											E																																																									
D											D																																																									
C											C																																																									
B	NOTE(S): 1 TERMINAL MATERIAL: COPPER ALLOY. 2 FINISH: ELECTRO TIN PLATE. 3 INSULATION MATERIAL: HEAT SHRINKABLE TUBING WITH HOTMELT ASHESIVE INNER LINER. COLOR: RED. 4 MWID - MAXIMUM WIRE INSULATION DIAMETER. (H) 5. ASSEMBLY IS ROHS COMPLIANT.										B																																																									
A	<table><tr><td rowspan="7">CHARTED DIM. T & ADDED ROHS EC NO: ETC2007-0019 DRAWN BY: DRWNEHLE CHKD: JMACNEIL APPR: JMACNEIL REV H</td><td rowspan="7">2007/08/22 2007/09/11 2007/09/19 DESCRIPTION</td><td rowspan="7">QUALITY SYMBOLS =0 =0</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE IN/MM</td><td>SCALE 4:1</td><td>DESIGN UNITS INCH</td><td colspan="2" rowspan="5">THIRD ANGLE PROJECTION</td></tr><tr><td rowspan="2">4 PLACES</td><td rowspan="2">± ---</td><td rowspan="2">± ---</td><td rowspan="2">DRAWN BY R DEROSS</td><td rowspan="2">DATE 2005/01/04</td><td colspan="3" rowspan="2">TITLE RING TONGUE TERMINAL PERMA-SEAL SD-600-SERIES 8 AWG</td></tr><tr></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td><td>CHECKED BY R DEROSS</td><td>DATE 2005/01/04</td><td colspan="3" rowspan="2">MOLEX INCORPORATED</td></tr><tr><td colspan="3"></td><td>2 PLACES</td><td>± ---</td><td>± ---</td><td>APPROVED BY R DEROSS</td><td>DATE 2005/01/04</td></tr><tr><td colspan="3"></td><td>1 PLACE</td><td>± ---</td><td>± ---</td><td colspan="2">MATERIAL NO. SEE CHART</td><td colspan="2" rowspan="2">DOCUMENT NO. SD-19164-023</td><td>SHEET NO. 1 OF 1</td></tr><tr><td colspan="3"></td><td colspan="4">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="4">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>										CHARTED DIM. T & ADDED ROHS EC NO: ETC2007-0019 DRAWN BY: DRWNEHLE CHKD: JMACNEIL APPR: JMACNEIL REV H	2007/08/22 2007/09/11 2007/09/19 DESCRIPTION	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION		4 PLACES	± ---	± ---	DRAWN BY R DEROSS	DATE 2005/01/04	TITLE RING TONGUE TERMINAL PERMA-SEAL SD-600-SERIES 8 AWG			3 PLACES	± ---	± ---	CHECKED BY R DEROSS	DATE 2005/01/04	MOLEX INCORPORATED						2 PLACES	± ---	± ---	APPROVED BY R DEROSS	DATE 2005/01/04				1 PLACE	± ---	± ---	MATERIAL NO. SEE CHART		DOCUMENT NO. SD-19164-023		SHEET NO. 1 OF 1				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				A
CHARTED DIM. T & ADDED ROHS EC NO: ETC2007-0019 DRAWN BY: DRWNEHLE CHKD: JMACNEIL APPR: JMACNEIL REV H	2007/08/22 2007/09/11 2007/09/19 DESCRIPTION	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 4:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION																																																											
			4 PLACES	± ---	± ---	DRAWN BY R DEROSS	DATE 2005/01/04	TITLE RING TONGUE TERMINAL PERMA-SEAL SD-600-SERIES 8 AWG																																																												
			3 PLACES	± ---	± ---	CHECKED BY R DEROSS	DATE 2005/01/04	MOLEX INCORPORATED																																																												
						2 PLACES	± ---							± ---	APPROVED BY R DEROSS	DATE 2005/01/04																																																				
						1 PLACE	± ---	± ---	MATERIAL NO. SEE CHART					DOCUMENT NO. SD-19164-023		SHEET NO. 1 OF 1																																																				
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																																										
	ib_frame_B_P_AM_T Rev. E 2006/04/15	9	8	7	6	5	4	3	2	1																																																										