

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

**Part Number:** [0002081101](#)  
**Status:** **Active**  
**Description:** Claspcn™ Crimp Terminal Socket, Tin (Sn) Plated Brass Contact, 16-24 AWG, Reel

**Documents:**

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

**Agency Certification**

CSA LR19980  
 UL E29179

**General**

Product Family Crimp Terminals  
 Series [1881](#)  
 Crimp Quality Equipment Yes  
 Product Name Claspcn™

**Physical**

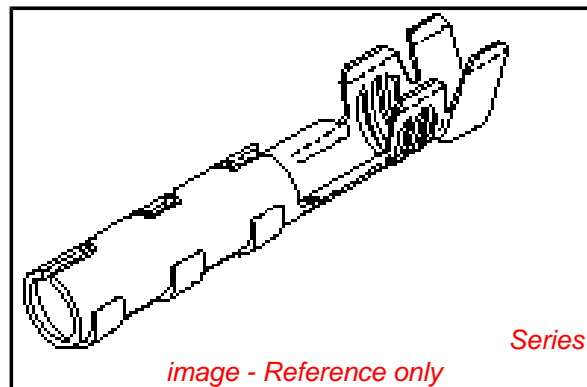
Gender Female  
 Material - Metal Brass  
 Material - Plating Mating Tin  
 Material - Plating Termination Tin  
 Packaging Type Reel  
 Plating min: Mating (µin) 20  
 Plating min: Mating (µm) 0.50  
 Plating min: Termination (µin) 20  
 Plating min: Termination (µm) 0.50  
 Termination Interface: Style Crimp or Compression  
 Wire Insulation Diameter 3.50mm (.138") max.  
 Wire Size AWG 16, 18, 20, 22, 24  
 Wire Size mm² N/A

**Material Info**

Old Part Number 1881-2C1A

**Reference - Drawing Numbers**

Product Specification RPS-1881-001, RPS-1881-002  
 Sales Drawing SD-1881-\*



*image - Reference only*

**EU RoHS**

**ELV and RoHS  
 Compliant**

**REACH SVHC**

**Contains SVHC: No**

**Halogen-Free**

**Status**

**Halogen-Free**

**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**

[1881Series](#)

**Mates With**

[16-06-0005](#)

**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.*

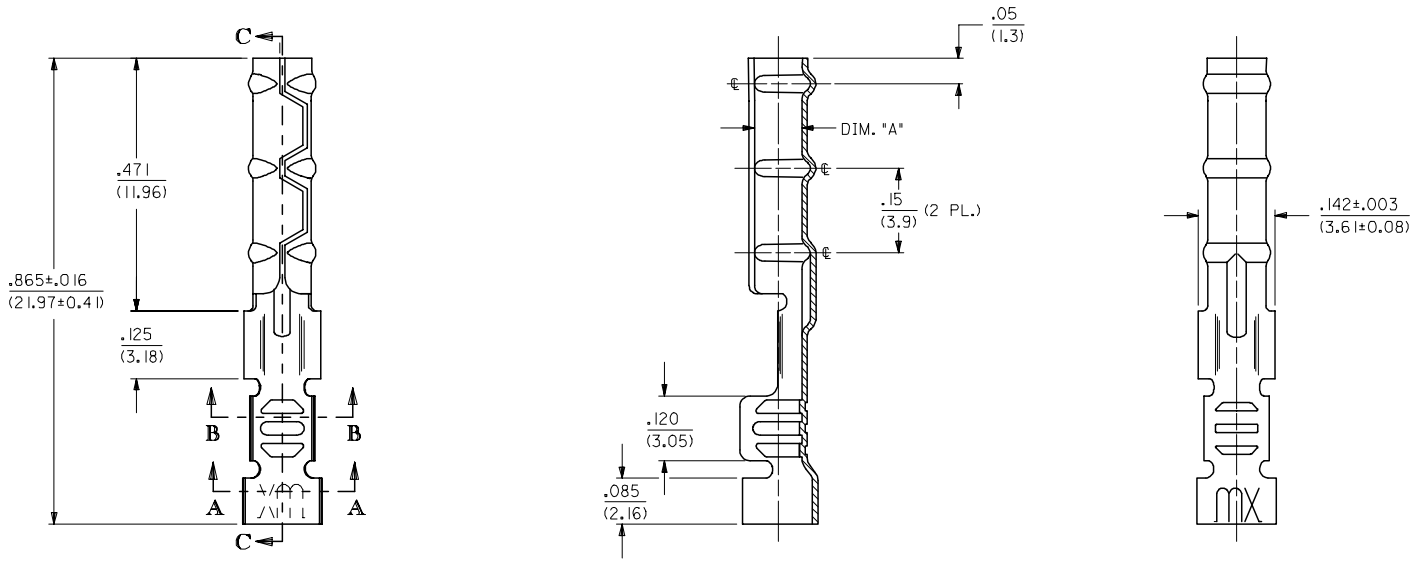
**Global**

Description	Product #
Extraction Tool	<a href="#">0011030006</a>
Terminator Die	<a href="#">0011402083</a>
Mini-Mac™	<a href="#">0638924200</a>
Applicator	

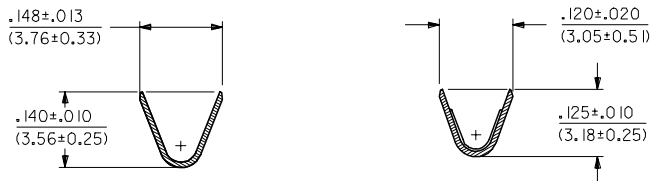
13 12 11 10 9 8 7 6 5 4 3 2 1

J I H G F E D C B A

1881-2\*\*\* TERMINAL SHOWN (16-24 AWG)  
SEE SHEET 2 FOR 1881-3\*\*\* TERMINAL



SECTION C-C



SECTION A-A

SECTION B-B

UPDATE TITLE BLOCK EC NO: UCP2006-0215 2005/08/05 DRAWN: JLONE 2005/08/10 CHKD: ADERR 2005/08/10 APPR: FSM TH 2005/08/10 REVISIONS L1	QUALITY SYMBOLS	$\nabla=0$ $\nabla=0$
	DESCRIPTION	
	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	DIMENSION STYLE IN/MM DRAWN BY DATE CHECKED BY DATE APPROVED BY DATE MATERIAL NO. DATE	4 PLACES ± --- ± --- 3 PLACES ± --- ± .010 2 PLACES ± 0.25 ± .014 1 PLACE ± 0.36 ± --- ANGULAR ±1/2°

SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
6:1	INCH	
CRIMP TERMINAL SOCKET, CLASPCON		
MOLEX INCORPORATED		
SEE CHART		SHEET NO. 1 OF 2

DRAWN BY DATE CHECKED BY DATE APPROVED BY DATE MATERIAL NO. DATE	3/11/91 3/11/91 3/11/91 3/11/91
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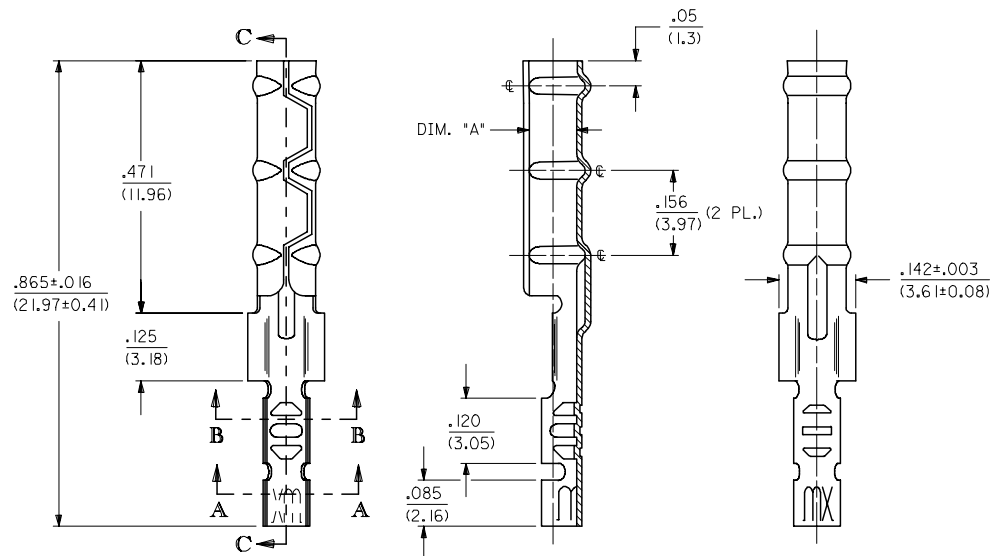
MOLEX SD-1881-* THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
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2	L1
1	L1
SHT/REV	

12 11 10 9 8 7 6 5 4 3 2 1

CHART			
PART NUMBER	ENG. NUMBER	DIMENSION "A" (DIA.)	
02-08-1102	1881-2L1A	.085/.090 (2.16/2.29)	
02-08-1101	1881-2C1A		
02-08-1106	1881-2L1B	.083/.088 (2.11/2.24)	OBSOLETE
02-08-1105	1881-2C1B		OBSOLETE
02-08-1104	1881-3L1A	.085/.090 (2.16/2.29)	
02-08-1103	1881-3C1A		
02-08-1107	1881-4C1A	.085/.090 (2.16/2.29)	OBSOLETE
02-08-1108	1881-4L1A		OBSOLETE

1881-3\*\*\* TERMINAL SHOWN (24-30 AWG)  
SEE SHEET 1 FOR 1881-2\*\*\* TERMINAL



**LEGEND**

1881-\*\*\*

CRIMP STYLE  
2 = 16-24 AWG  
3 = 24-30 AWG  
4 = 22 AWG

FORM  
L = LOOSE  
C = CHAIN

BARREL I.D.  
A = .085/.090 BARREL I.D.

FINISH  
(\*P\* PRECEEDING FINISH NO. DESIGNATES PREPLATED MATERIAL)  
1 = P901 - HOT TIN DIP: .000020/(0.0005) MIN.

- NOTES:
1. MATERIAL: CARTRIDGE BRASS
  2. FINISH: SEE LEGEND
  3. PRODUCT SPECIFICATION: N/A
  4. PACKAGING SPECIFICATION: N/A
  5. 1881 "CLASPCON" SERIES TERMINAL WITH THE STANDARD BARREL I.D. IS INTENDED FOR MATING TO .093/(2.36) DIA. P.C. BOARD PINS.
  6. INITIAL EXTRACTION FORCE TO BE 4.0±1.5 LBS. FROM AN .093/.092 / (2.36/2.34) DIA. PIN AND 2 LBS. MIN. AFTER THE 10TH EXTRACTION ON STANDARD BARREL I.D.

OBSOLETE 02-08-1102 EC NO: UCP2006-0215 DRAWN: JLONE 2005/08/05 CHKD: ADERR 2005/08/10 APPR: FSM TH 2005/08/10 REV L1	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION		
		mm	INCH	IN/MM		6:1	INCH			
		4 PLACES ±---	±---	DRAWN BY	DATE	TITLE				
		3 PLACES ±---	±.010	JWC	3/11/91	CRIMP TERMINAL SOCKET, CLASPCON				
2 PLACES ±0.25	±.014	CHECKED BY	DATE	MATERIAL NO.						
1 PLACE ±0.36	±---	RW	3/11/91	DOCUMENT NO.						
ANGULAR ±1/2°		APPROVED BY	DATE	SHEET NO.						
		JWF	3/11/91	2 OF 2						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE CHART		MOLEX INCORPORATED						
		SIZE C		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						