

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0675810010](#)
Status: **Active**
Overview: [serial_ata_products](#)
Description: 1.27mm (.050") Pitch Serial ATA Crimp Terminal for Power Cable Receptacle, Gold (Au) Flash Plating, with Reel Direction - Type 2, Lead free

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification PS-67490-002 \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	Crimp Terminals
Series	67581
Crimp Quality Equipment	Yes
Overview	serial_ata_products
Product Name	Serial ATA

Physical

Durability (mating cycles max)	50
Gender	Female
Material - Metal	Phosphor Bronze
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Packaging Type	Reel
Plating min: Mating (µin)	2
Plating min: Mating (µm)	0.05
Plating min: Termination (µin)	73.82
Plating min: Termination (µm)	1.85
Termination Interface: Style	Crimp or Compression
Wire Insulation Diameter	2.20-1.60mm(0.087-0.063)
Wire Size AWG	18, 20, 22
Wire Size mm²	3.79-2.00

Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	15V DC

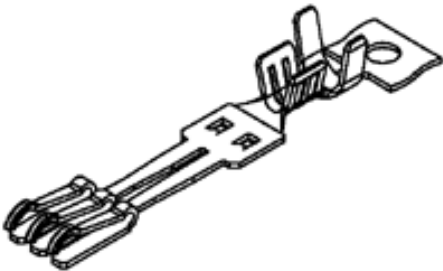
Solder Process Data

Lead-free Process Capability	Wave Capable (TH only)
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Material Info

Reference - Drawing Numbers

Packaging Specification	PK-67581-001
Product Specification	PS-67490-002
Sales Drawing	SD-67581-001



Series

image - Reference only

EU RoHS

**ELV and RoHS
Compliant**

REACH SVHC

Not Reviewed

Halogen-Free

Status

Halogen-Free

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

[67581](#)Series

Use With

[67582](#) Crimp Housing

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 #
T2 Terminator Die	0638561000
FineAdjust™	0638661000
Applicator	

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F

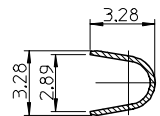
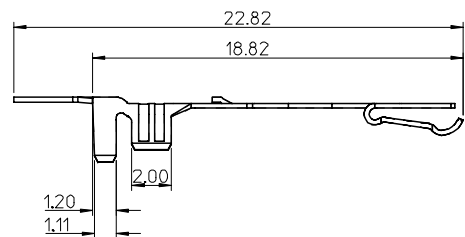
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D

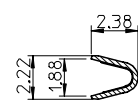
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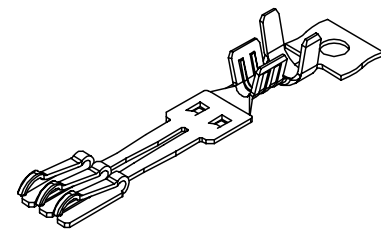
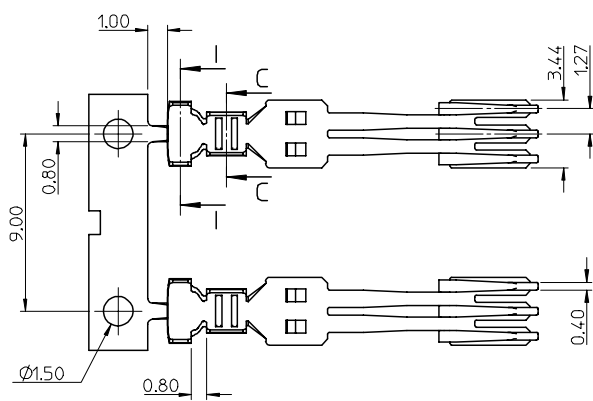
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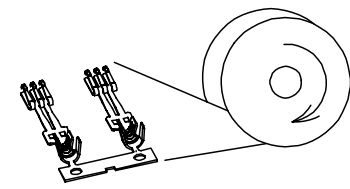
Section I-I



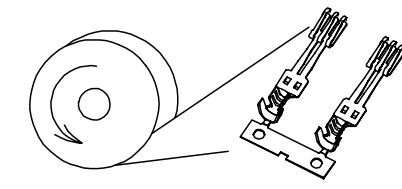
Section C-C



- NOTES:
1. MATERIAL :
PHOSPHOR BRONZE, THICKNESS = 0.25mm
 2. PLATING :
CONTACT AREA: (A) GOLD FLASH
(B) GOLD PLATED 0.76 MICRON.
(C) GOLD PLATED 0.38 MICRON.
CRIMPING AREA: TIN PLATED 1.875 MICRON MINIMUM.
UNDER PLATE: NICKELPLATED 1.25 MICRON MINIMUM.
 3. TO BE USED WITH 67582, 5 SETS TERMINAL PER HOUSING
 4. PRODUCT SPECIFICATION REFER TO PS-67490-002
 5. PACKAGE SPECIFICATION REFER TO PK-67581-001
 6. CRIMPING SPECIFICATION REFER TO CS-67581-001
 7. RECOMMEND WIRE SIZE: 18/20/22AWG
 8. PRODUCT COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC.



BEFORE CRIMPING
TYPE I



BEFORE CRIMPING
TYPE II

P/N	CONTACT AREA GOLD PLATING	TYPE
67581-0000	GOLD FLASH	TYPE I
67581-0001	0.76 MICRON GOLD PLATING	
67581-0002	0.38 MICRON GOLD PLATING	
67581-0010	GOLD FLASH	TYPE II
67581-0011	0.76 MICRON GOLD PLATING	
67581-0012	0.38 MICRON GOLD PLATING	

NEW RELEASE EC NO: SH2007-0312 DRWN:BCHEN26 2006/11/01 CHKD:JTIAN 2006/11/03 APPR: JCHEN 2006/11/07	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY	DATE	TITLE TERMINAL FOR SATA POWER CABLE RECEPTACLE		
			4 PLACES	± ---	± ---	GRATE MA	2003/08/15			
			3 PLACES	± ---	± ---	CHECKED BY	DATE			
			2 PLACES	± 0.25	± .010	YA JUN	2003/08/15	MOLEX MOLEX INCORPORATED		
			1 PLACE	± 0.25	± .010	APPROVED BY	DATE			
			ANGULAR ± 3 °		SAM	2003/08/15				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-67581-001		SHEET NO. 1 OF 1
SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								