

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

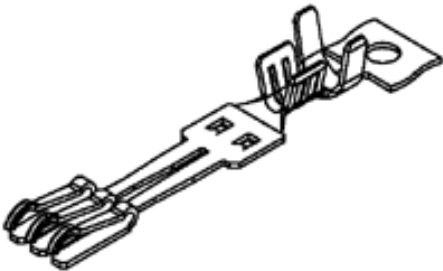


image - Reference only

Series

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status

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
[67581Series](#)

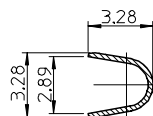
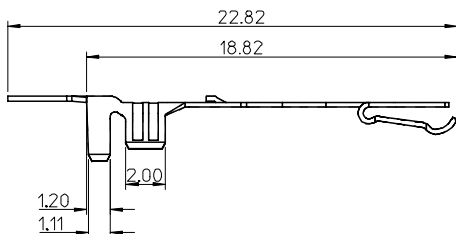
Use With
[67582 Crimp Housing](#)

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.

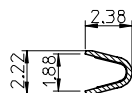
Global	
Description	Product #
T2 Terminator Die	0638561000
FineAdjust™	0638661000
Applicator	

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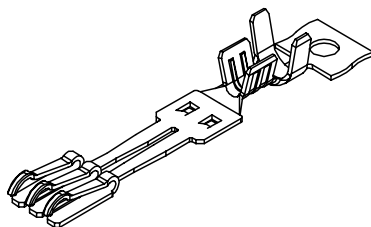
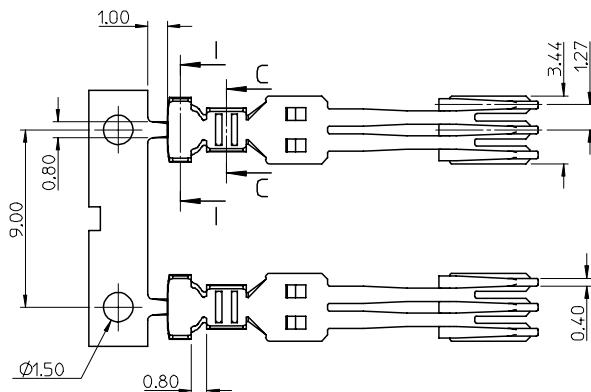
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Section I-I

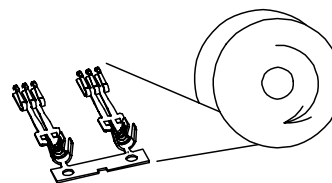


Section C-C

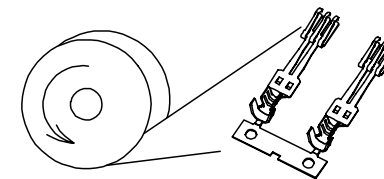


NOTES:

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: B. CHEN26 CHKD: J. TAN APPR: J. CHEN	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY GRATE MA	DATE 2003/08/15	TITLE TERMINAL FOR SATA POWER CABLE RECEPTACLE	MOLEX MOLEX INCORPORATED	DOCUMENT NO. SD-67581-001	SHEET NO. 1 OF 1	
			4 PLACES	± ---	± ---	CHECKED BY YA JUN	DATE 2003/08/15					
			3 PLACES	± ---	± ---							
			2 PLACES	± 0.25	± .010							
			1 PLACE	± 0.25	± .010	APPROVED BY SAM	DATE 2003/08/15					
			ANGULAR ± 3 °		MATERIAL NO.							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE							
					SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						