

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0675810002

Status:

Active

Overview:

serial_ata_products

Description:

1.27mm (.050") Pitch Serial ATA Crimp Terminal for Power Cable Receptacle, 0.38µm (15µ") Gold (Au) Plating, with Reel Direction - Type 1, Lead free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-67490-002 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Crimp Quality Equipment

Overview

Product Name

Crimp Terminals

67581

Yes

serial_ata_products

Serial ATA

Physical

Durability (mating cycles max)

Gender

Material - Metal

Material - Plating Mating

Material - Plating Termination

Packaging Type

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Termination Interface: Style

Wire Insulation Diameter

Wire Size AWG

Wire Size mm²

50

Female

Phosphor Bronze

Gold

Tin

Reel

15

0.38

73.82

1.85

Crimp or Compression

2.20-1.60mm(0.087-0.063)

18, 20, 22

3.79-2.00

Electrical

Current - Maximum per Contact

Voltage - Maximum

1.5A

15V DC

Solder Process Data

Lead-free Process Capability

Wave Capable (TH only)

Material Info

Reference - Drawing Numbers

Packaging Specification

Product Specification

Sales Drawing

PK-67581-001

PS-67490-002

SD-67581-001

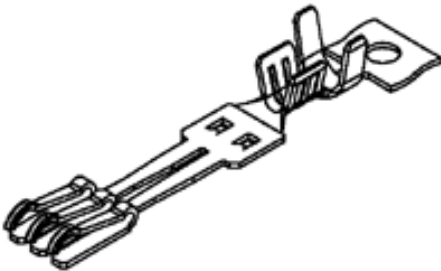


image - Reference only

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

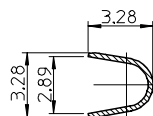
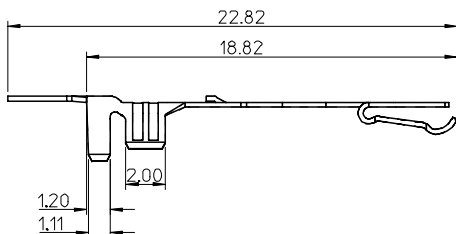
67581Series

Use With

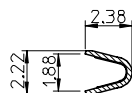
67582 Crimp Housing

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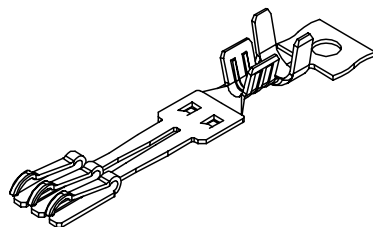
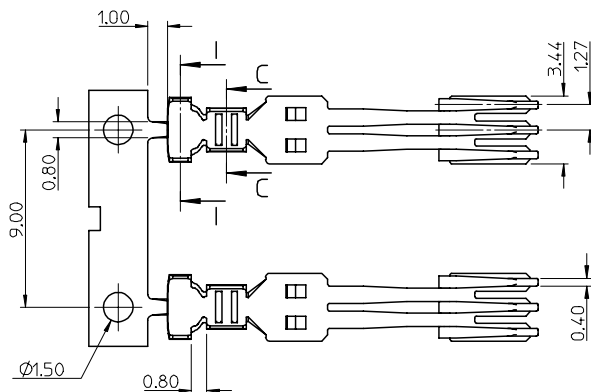
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Section I-I

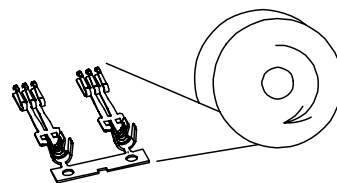


Section C-C

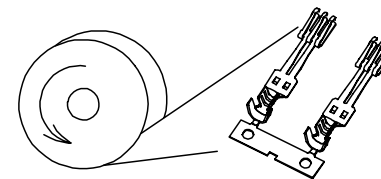


NOTES:

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. TIAN 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					
			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	molex MOLEX INCORPORATED				
				ANGULAR ± 3 °									
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE	DOCUMENT NO. SD-67581-001	SHEET NO. 1 OF 1						
				REV		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							