

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0473002200

Status:

Active

Overview:

slimline_serial_ata_odd_connectors

Description:

1.00mm (.039"), 1.27mm (.050") Pitch Slimline Serial ATA Receptacle for Optical Disk Drive, Right Angle, Standard Type

Documents:

3D Model

Drawing (PDF)

Product Specification PS-47300-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR 19980

General

Product Family

Series

Application

Comments

Overview

Product Name

PCB Receptacles

47300

Board-to-Board

Screw version

slimline_serial_ata_odd_connectors

Serial ATA, Slimline Serial ATA

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

Flammability

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PC Tail Length (in)

PC Tail Length (mm)

PCB Locator

PCB Retention

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

Stackable

Temperature Range - Operating

13

13

Black

500

94V-0

No

Yes

Yes

No

Copper Alloy

Gold

Tin

High Temperature Thermoplastic

1

Right Angle

0.000 In

0.00 mm

Yes

Yes

0.000 In

0.00 mm

Embossed Tape on Reel

0.039 In, 0.050 In

1.00 mm, 1.27 mm

0.039 In, 0.050 In

1.00 mm, 1.27 mm

30

0.76

40

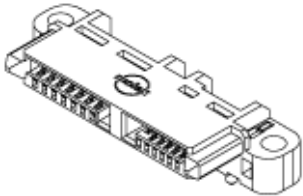
1

Yes

Yes

No

-35°C to +85°C



Series
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
For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

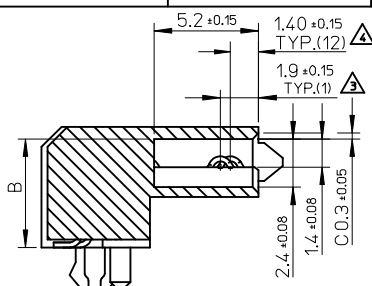
Search Parts in this Series
47300Series

Mates With
473001xxx Slimline Serial ATA Plugs

Termination Interface: Style	Surface Mount
Electrical	
Current - Maximum per Contact	1.5A
Grounding to PCB	Yes
Voltage - Maximum	15V DC
Solder Process Data	
Duration at Max. Process Temperature (seconds)	3
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260
Material Info	
Reference - Drawing Numbers	
Product Specification	PS-47300-001
Sales Drawing	SD-47300-200

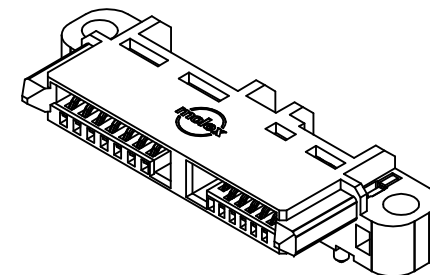
This document was generated on 05/26/2010

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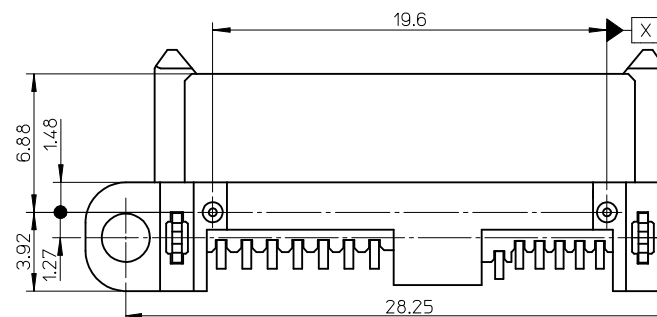
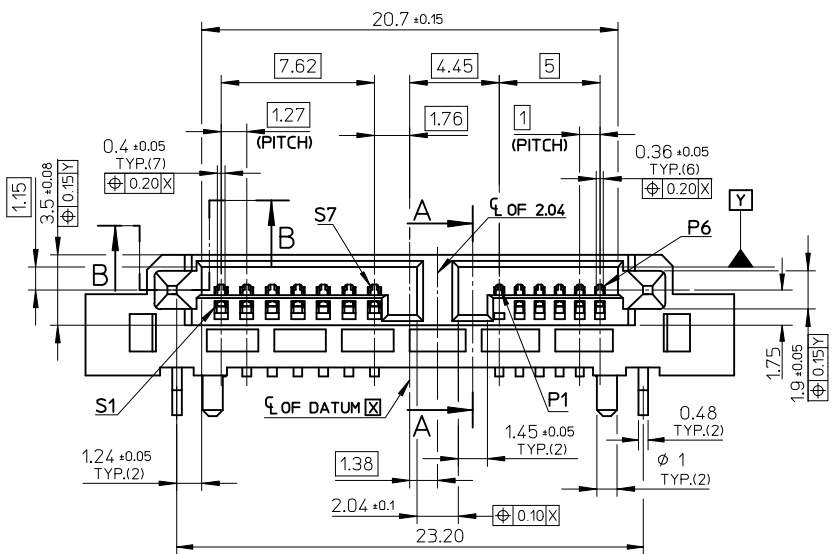


Technical drawing of a mechanical part, likely a bearing housing, showing dimensions and tolerances. The drawing includes a cross-section view with a central bore and a smaller internal feature. Key dimensions are: overall length (12), bore diameter (10.8), bore length (5.4), internal feature diameter (2.02), internal feature length (2.46 TYP.(2)), and a distance of 1.98 from the end face to the internal feature. A tolerance of 0.4 +0.08 is specified for the bore diameter, and a tolerance of 0.15 is specified for the bore length. A dimension C is also indicated.

6.THE PRODUCT COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND 2000/53/EC.



P/N	CONTACT PLATING SPEC	DIM'A'	DIM'B'	DIM'C'
47300-2000	GOLD FLASH	6	5.4	4.25
47300-2100	GOLD 15 μ ' MIN			
47300-2200	GOLD 30 μ ' MIN			



NO CHANGE	2009/07/28
EC NO:	2009/07/28
DRWN:XQZHANG	2009/07/28
CHKD:GLI	2009/07/28
APPR:X.JSONG	2009/09/02
REV	DESCRIPTION

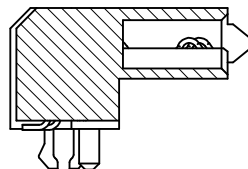
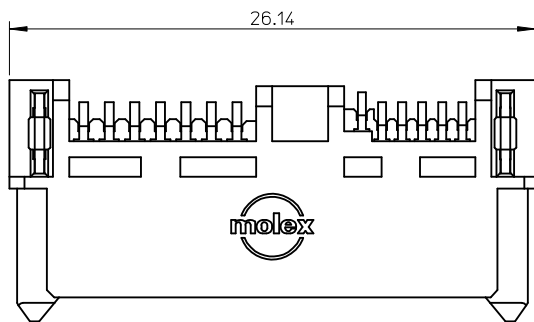
QUALITY SYMBOLS	
	=0
	=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± .005	± .0005
3 PLACES	± .005	± .0005
2 PLACES	± 0.15	± .005
1 PLACE	± 0.20	± .005
ANGULAR ± 3 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
DIXON LI	04/04/200
CHECKED BY	DATE
JENNY ZENG	04/04/200
APPROVED BY	DATE
GRATE MA	04/04/200
MATERIAL NO.	
SEE TABLE	
SIZE	THIS DRAWING CONTAINS INCORPORATED AND
A3	

SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE		
SLIMLINE SATA RECEPTACLE CONNECTOR STANDARD TYPE		
 MOLEX INCORPORATED		
DOCUMENT NO. SD-47300-200		SHEET NO. 1 OF 3

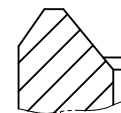
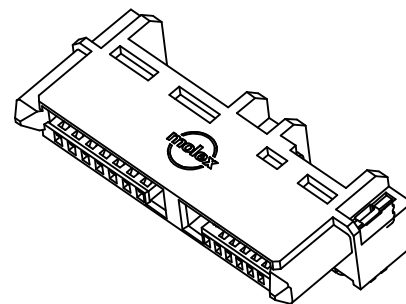
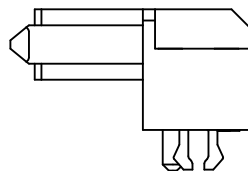
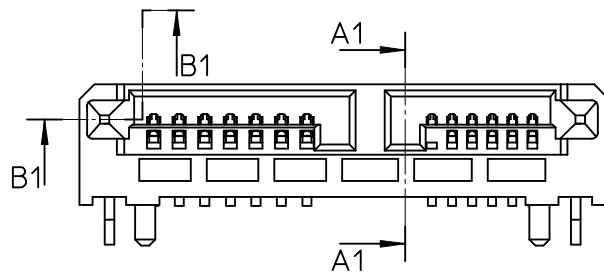
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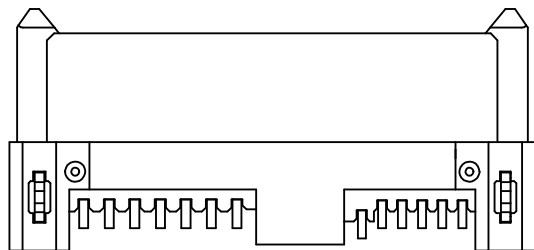
SECTION A1-A1

NOTES :

TERMINAL CONTACT PLATING SPEC: GOLD FLASH,
OTHER DIMENSIONS AND NOTES REFER TO SHEET-1



SECTION B1-B1
(8:1)



NO CHANGE	EC NO:	2009/07/28	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION				
	DRWN:XQZHANG	2009/07/28				MM ONLY		4:1	METRIC					
	CHKD:GLLI	2009/07/28				DRAWN BY DATE		TITLE						
	APPR:XJSONG	2009/09/02				CHECKED BY DATE								
	DESCRIPTION	 =0  =0				4 PLACES	± ---	± ---	DIXON LI			04/04/2006	SLIMLINE SATA RECEPTACLE CONNECTOR SHORT TYPE	
						3 PLACES	± ---	± ---	CHECKED BY			DATE		
						2 PLACES	± 0.15	± ---	JENNY ZENG			04/04/2006		
						1 PLACE	± 0.20	± ---	APPROVED BY			DATE		
						ANGULAR ± 3 °		GRATE MA	04/04/2006			 MOLEX INCORPORATED		
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					MATERIAL NO.		DOCUMENT NO.						SHEET NO. 2 OF 3
47300-2010			SD-47300-200											
SIZE A3			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											

9 8 7 6 5 4 3 2 1

