

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

**Part Number:** **0473004002**  
**Status:** **Active**  
**Overview:** slimline serial ata odd connectors  
**Description:** 1.00mm(.039"), 1.27mm (.050") Pitch Slimline Serial ATA Plug for Optical Disk Drive, Right Angle, SMT, 0.38µm (15µ") Gold (Au) Plating, with Pegs, Lead-free

**Documents:**

[3D Model](#) [Product Specification PS-47300-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

CSA LR 19980

**General**

Product Family PCB Headers  
 Series 47300  
 Application Board-to-Board  
 Comments SMT Type  
 Overview [slimline serial ata odd connectors](#)  
 Product Name Serial ATA, Slimline Serial ATA

**Physical**

Breakaway No  
 Circuits (Loaded) 13  
 Circuits (maximum) 13  
 Durability (mating cycles max) 500  
 First Mate / Last Break Yes  
 Flammability 94V-0  
 Glow-Wire Compliant No  
 Guide to Mating Part Yes  
 Keying to Mating Part Yes  
 Lock to Mating Part No  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Number of Rows 1  
 Orientation Right Angle  
 PCB Locator Yes  
 PCB Retention Yes  
 Packaging Type Embossed Tape on Reel  
 Pitch - Mating Interface (in) 0.039 In, 0.050 In  
 Pitch - Mating Interface (mm) 1.00 mm, 1.27 mm  
 Pitch - Term. Interface (in) 0.039 In, 0.050 In  
 Pitch - Term. Interface (mm) 1.00 mm, 1.27 mm  
 Plating min: Mating (µin) 15  
 Plating min: Mating (µm) 0.38  
 Plating min: Termination (µin) 39  
 Plating min: Termination (µm) 1  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Stackable No  
 Temperature Range - Operating -35°C to +85°C  
 Termination Interface: Style Surface Mount

**Electrical**

Current - Maximum per Contact 1.5A

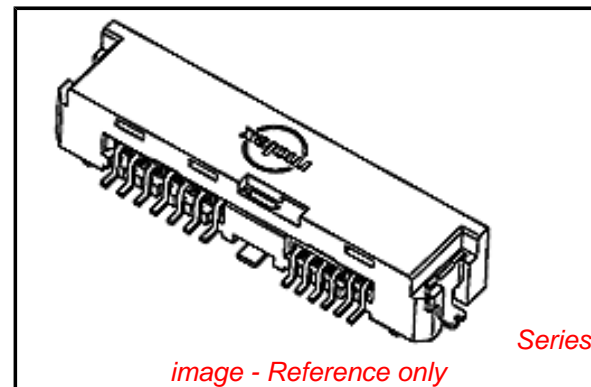


image - Reference only

**EU RoHS**

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

**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**

47300Series

**Mates With**

47300 Slimline Serial ATA Plug

Voltage - Maximum

15V DC

**Material Info**

**Reference - Drawing Numbers**

Packaging Specification

PK-47300-001

Product Specification

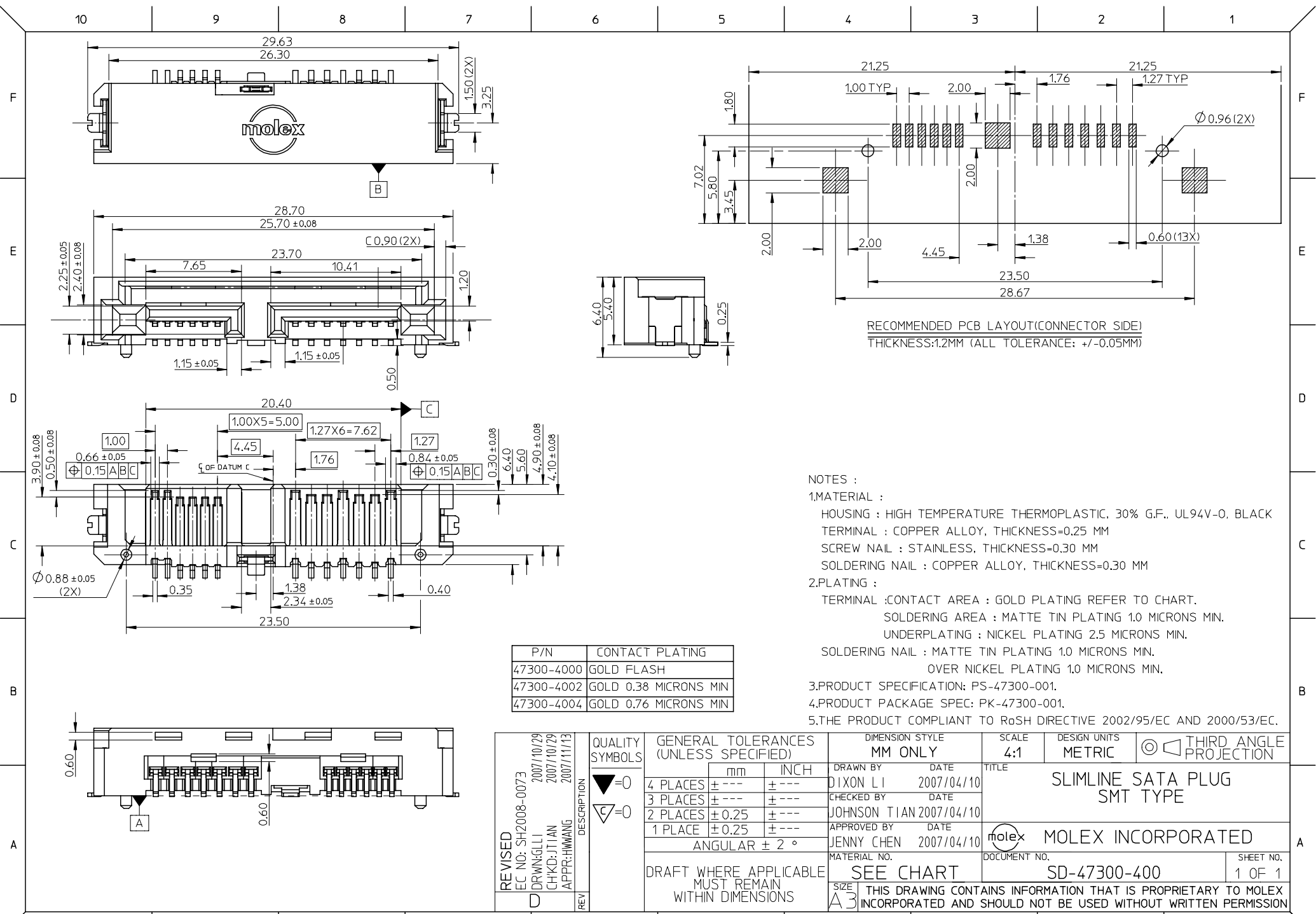
PS-47300-001

Sales Drawing

SD-47300-400

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RECOMMENDED PCB LAYOUT(CONNECTOR SIDE)  
THICKNESS:1.2MM (ALL TOLERANCE: +/-0.05MM)

NOTES :

- 1.MATERIAL :  
HOUSING : HIGH TEMPERATURE THERMOPLASTIC, 30% G.F., UL94V-0, BLACK  
TERMINAL : COPPER ALLOY, THICKNESS=0.25 MM  
SCREW NAIL : STAINLESS, THICKNESS=0.30 MM  
SOLDERING NAIL : COPPER ALLOY, THICKNESS=0.30 MM
- 2.PLATING :  
TERMINAL :CONTACT AREA : GOLD PLATING REFER TO CHART.  
SOLDERING AREA : MATTE TIN PLATING 1.0 MICRONS MIN.  
UNDERPLATING : NICKEL PLATING 2.5 MICRONS MIN.  
SOLDERING NAIL : MATTE TIN PLATING 1.0 MICRONS MIN.  
OVER NICKEL PLATING 1.0 MICRONS MIN.
- 3.PRODUCT SPECIFICATION: PS-47300-001.
- 4.PRODUCT PACKAGE SPEC: PK-47300-001.
- 5.THE PRODUCT COMPLIANT TO RoSH DIRECTIVE 2002/95/EC AND 2000/53/EC.

P/N	CONTACT PLATING
47300-4000	GOLD FLASH
47300-4002	GOLD 0.38 MICRONS MIN
47300-4004	GOLD 0.76 MICRONS MIN

REVISED	EC NO: SH2008-0073	DESCRIPTION
	DRWN:GLI	
	CHKD:JTIAN	
	APPR:HWANG	
D	REV	

QUALITY SYMBOLS	$\nabla=0$
	$\sphericalangle=0$
	$\sphericalangle=0$
	$\sphericalangle=0$

GENERAL TOLERANCES (UNLESS SPECIFIED)	
mm	INCH
4 PLACES ± ---	± ---
3 PLACES ± ---	± ---
2 PLACES ± 0.25	± ---
1 PLACE ± 0.25	± ---
ANGULAR ± 2 °	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM ONLY		4:1	METRIC	
DRAWN BY	DATE	TITLE		
DIXON LI	2007/04/10	SLIMLINE SATA PLUG SMT TYPE		
CHECKED BY	DATE	MOLEX INCORPORATED		
JOHNSON TIAN	2007/04/10			
APPROVED BY	DATE	DOCUMENT NO.		
JENNY CHEN	2007/04/10	SD-47300-400		
MATERIAL NO.		SHEET NO.		
SEE CHART		1 OF 1		
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