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Part Number: [0476393000](#)
Status: **Active**
Overview: [slimline_serial_ata_odd_connectors](#)
Description: 1.00mm (.039"), 1.27mm (.050") Pitch Removeable Interposer for Dual- Piece Slimline Serial ATA Connector Assembly, Vertical, SMT, Gold (Au) Flash Plating, Leadfree

Documents:
[3D Model](#) [Product Specification PS-47628-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

Agency Certification

CSA LR19980
UL E29179

General

Product Family PCB Receptacles
Series [47639](#)
Application Board-to-Board
Overview [slimline_serial_ata_odd_connectors](#)
Product Name Serial ATA, Slimline Serial ATA

Physical

Circuits (Loaded) 13
Circuits (maximum) 13
Color - Resin Black
Durability (mating cycles max) 500
Flammability 94V-0
Glow-Wire Compliant No
Guide to Mating Part Yes
Keying to Mating Part Yes
Lock to Mating Part Yes
Material - Metal Copper Alloy
Material - Plating Mating Gold
Material - Plating Termination Nickel
Material - Resin High Temperature Thermoplastic
Number of Rows 1
Orientation Vertical
PCB Locator No
PCB Retention Yes
Packaging Type Tray
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) 2
Plating min: Mating (µm) 0.05
Polarized to Mating Part Yes
Polarized to PCB Yes
Stackable No
Temperature Range - Operating -35°C to +85°C
Termination Interface: Style Screw or Lug

Electrical

Current - Maximum per Contact 1.5A
Grounding to PCB Yes
Voltage - Maximum 15V DC

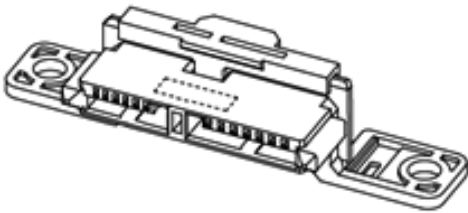


image - Reference only

Series

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free
Status
Not 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
[47639Series](#)

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

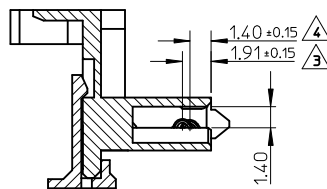
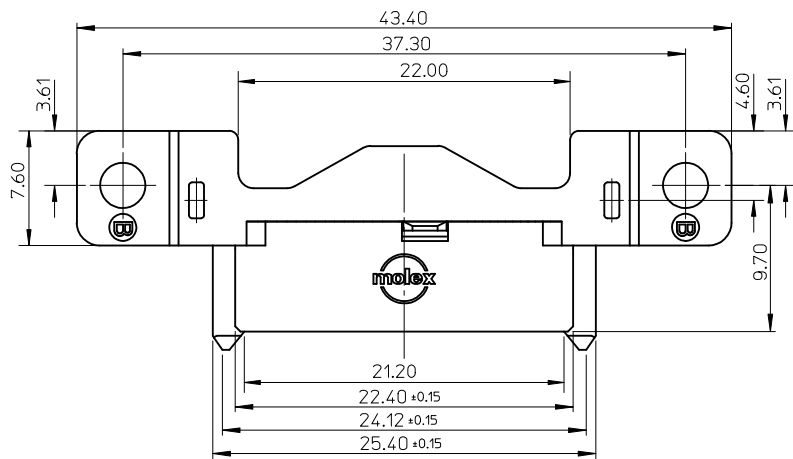
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-47639-003
Product Specification	PS-47628-001
Sales Drawing	SD-47639-300, SD-47639-400

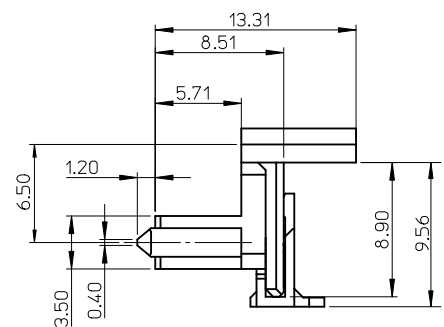
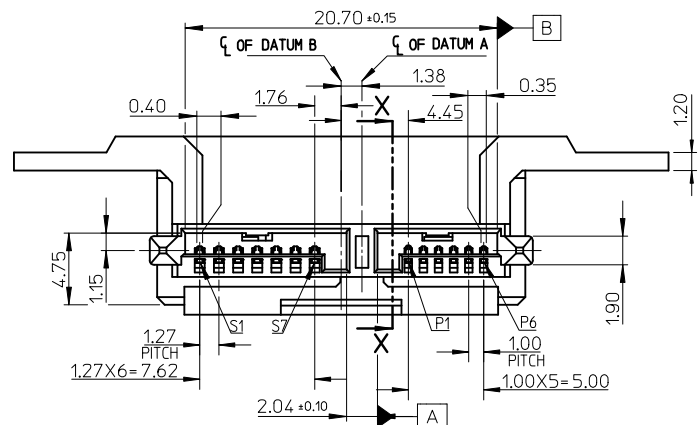
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SECTION X-X

- NOTES :
1. MATERIAL:
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, UL94V-0, BLACK.
TERMINAL: COPPER ALLOY
 2. PLATING:
TERMINAL:
CONTACT AREA: GOLD PLATING.
UNDERPLATING: NICKEL PLATING.
 3. FOR P1 PIN ONLY.
 4. FOR PIN P2 THRU P6.
 5. PACKAGE: TRAY
 6. PRODUCT SPEC: PS-47628-001.
 7. SCREW TORQUE: 2.0 kgf.cm REF.
 8. THE PRODUCT COMPLIANT TO RoHS DIRECTIVES 2002/95/EC AND ELV 2000/53/EC.



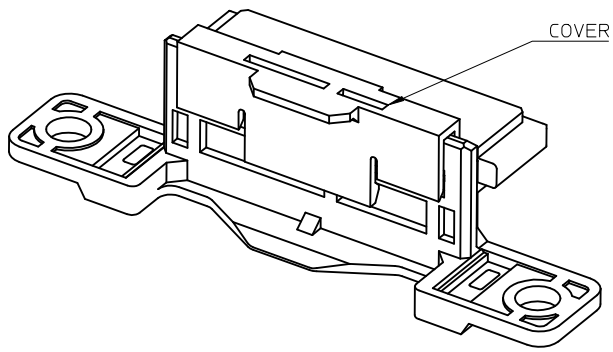
P/N	CONTACT GOLD PLATING SPEC
47639-3200	0.76 MICRONS MIN
47639-3100	0.38 MICRONS MIN
47639-3000	Au FLASH

REV	DESCRIPTION	DATE	BY	APP
1	REVISED	2009/12/22	DRW:GLL	
2	EC NO: SH2010-0202	2009/12/22	CHKD:XJ.SONG	
3		2010/01/22	APPR:RZHANG	

QUALITY SYMBOLS	
$F_a=0$	
$F_b=0$	
$F_c=0$	
ANGULAR $\pm 3^\circ$	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

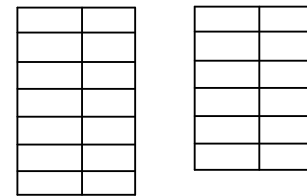
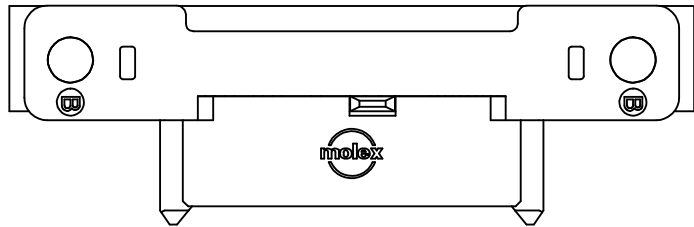
GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm
4 PLACES	± 0.15
3 PLACES	± 0.25
2 PLACES	± 0.38
1 PLACE	± 0.50

DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM ONLY		3:1	METRIC	
DRAWN BY	DATE	TITLE		
DIXON LI	2008/11/27	INTERPOSER OF 2 PCS SLIMLINE SATA VERTICAL SMT TYPE		
CHECKED BY	DATE			
STARY SONG	2008/11/27			
APPROVED BY	DATE			
HARVEY WANG	2008/11/27			
MATERIAL NO.	DOCUMENT NO.			
SEE TABLE	SD-47639-300			
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO. 1 OF 1		

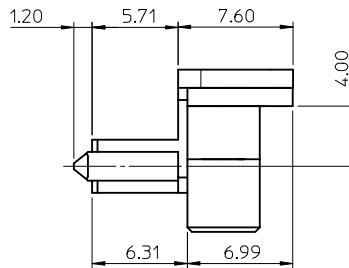
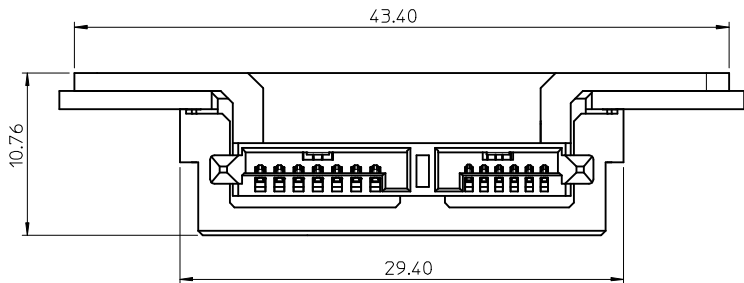


10 9 8 7 6 5 4 3 2 1

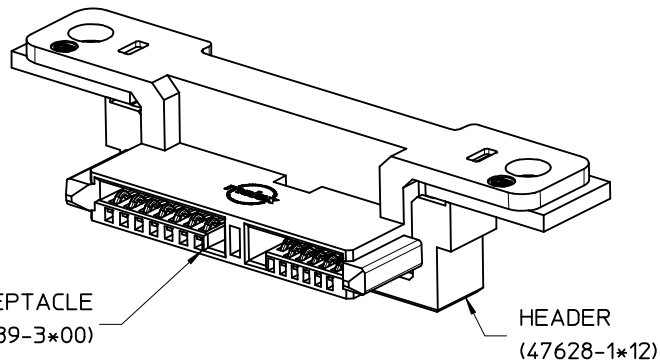
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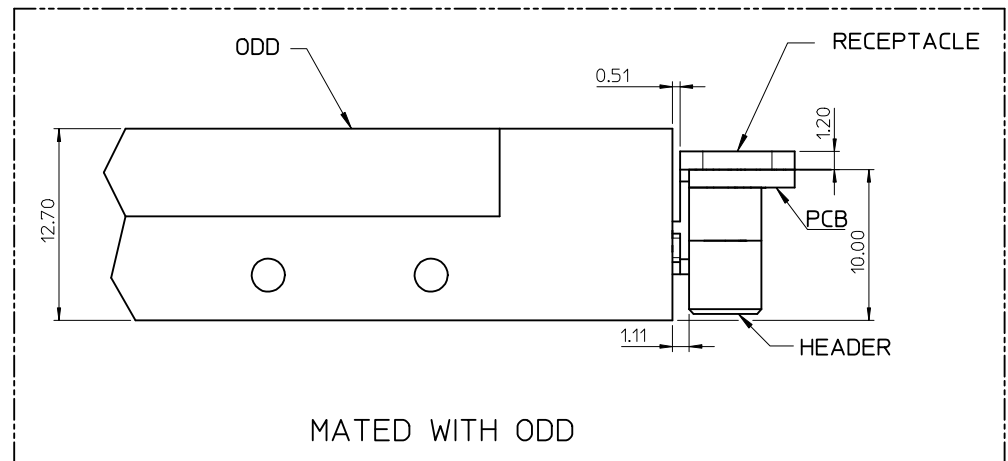
E



D



C



B

A

RTM EC NO: SH2010-0070 DRAWN:GLL CHKD:XJSONG APPR:RZHANG	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◁=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 3:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY DIXON LI	DATE 2008/11/27	TITLE 2 PIECES SLIMLINE SATA BOTTOM MOUNT TYPE (ASSEMBLY)				
			4 PLACES	± ---	± ---	CHECKED BY	DATE					
			3 PLACES	± ---	± ---	STARY SONG	2008/11/27	MOLEX INCORPORATED				
			2 PLACES	± 0.15	± ---	APPROVED BY	DATE					
			1 PLACE	± 0.25	± ---	HARVEY WANG	2008/11/27	DOCUMENT NO. SD-47639-400				
			ANGULAR ± 3 °			MATERIAL NO.						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE REMARK						
B	REV		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