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Part Number:

0473621001

Status:

Active

Overview:

serial_ata_127_host_receptacles

Description:

1.27mm (.050") Pitch Combo SATA Cable Connector, Straight Type, with Arris on both surface, with bumps, 0.76µm (30µ") Gold(Au) Plating, 22 Circuits, LeadFree

Documents:

3D Model

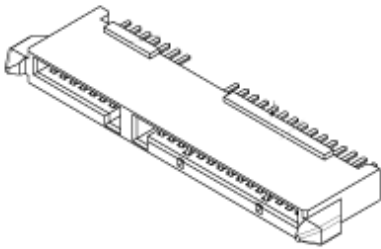
Drawing (PDF)

Product Specification PS-47362-001 (PDF)

RoHS Certificate of Compliance (PDF)

General	
Product Family	I/O Connectors
Series	47362
Application	Wire-to-Board
Comments	Straight Type
Component Type	Receptacle
Overview	serial_ata_127_host_receptacles
Product Name	Serial ATA
Type	N/A

Physical	
Boot Color	N/A
Circuits (Loaded)	22
Circuits (maximum)	22
Circuits Detail	Signal 7, Power 15
Color - Resin	Black
Durability (mating cycles max)	50
Gender	Receptacle
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Number of Rows	1
Orientation	Straight
PCB Locator	No
PCB Retention	None
Packaging Type	Tray
Panel Mount	No
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	50
Plating min: Termination (µm)	1.27
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	2
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-35°C to +85°C
Termination Interface: Style	Solder or Weld
Waterproof / Dustproof	No
Wire Size AWG	N/A



Series
image - Reference only

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

47362Series

Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	15V DC

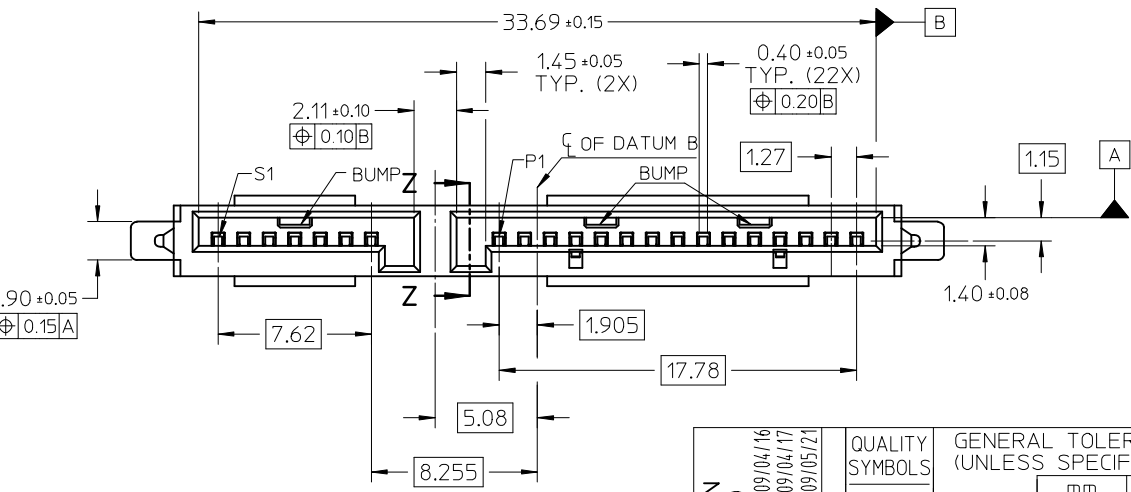
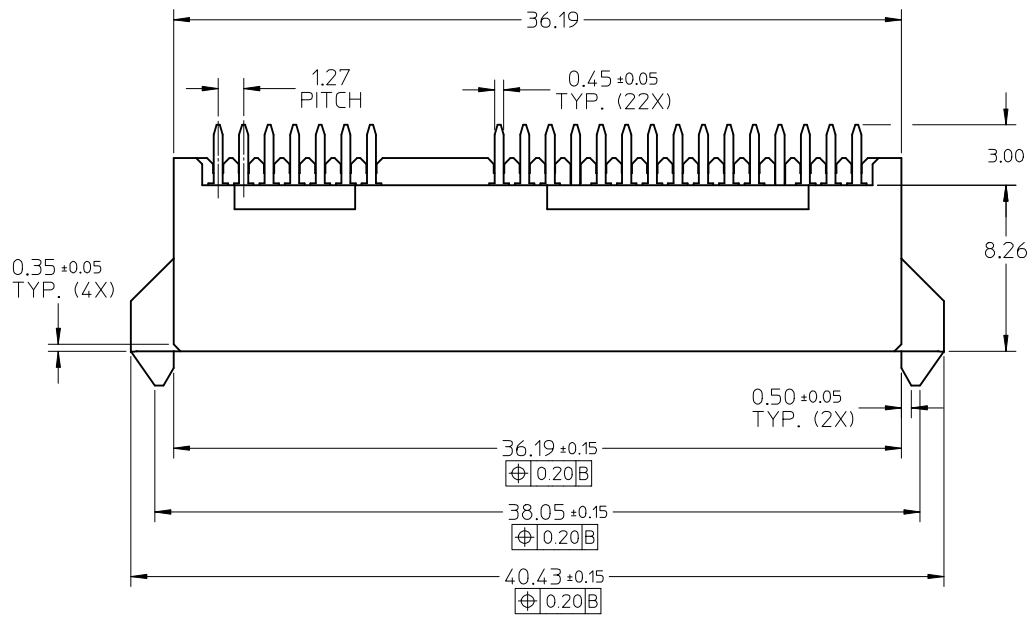
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-47362-001
Product Specification	PS-47362-001
Sales Drawing	SD-47362-100

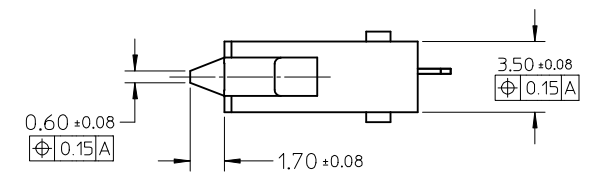
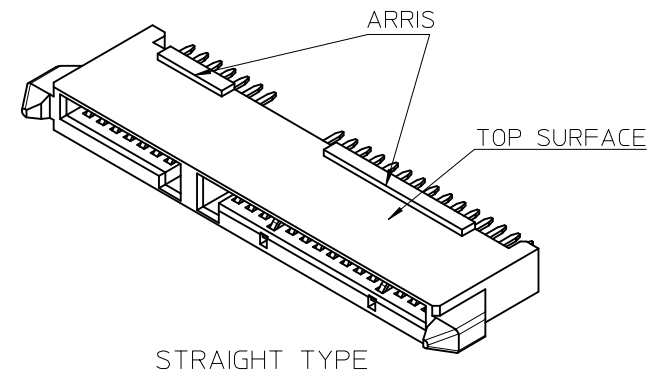
This document was generated on 05/19/2010

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NOTES:

1. MATERIAL:
HOUSING: THERMAL PLASTIC, GLASS FILLED, UL94V-0, COLOR: BLACK.
TERMINAL: COPPER ALLOY, THICKNESS=0.25MM.
2. TERMINAL PLATING:
CONTACT AREA: GOLD PLATED, SEE TABLE.
SOLDER AREA: PURE TIN, THICKNESS=1.27 MICRONS MINIMUM.
UNDER PLATE: NICKLE, THICKNESS=1.27 MICRONS MINIMUM.
3. PRODUCT SPECIFICATION: REFER TO PS-47362-001.
4. PACKAGING METHOD: REFER TO PK-47362-001.
5. PRODUCT COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC



ADD NEW OPTION EC NO: SH2009-0500 DRWN: X JSONG CHKD: X JSONG APPR: HWANG REV	DESCRIPTION REV	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 BCHEN26	DATE 2005/12/05	TITLE COMBO SATA RECEPTACLE CABLE END	molex	MOLEX INCORPORATED	SHEET NO. 1 OF 4
			4 PLACES	± ---	± ---	CHECKED BY DIXON	DATE 2005/12/05				
			3 PLACES	± ---	± ---	APPROVED BY GRATE	DATE 2005/12/05				
			2 PLACES	± 0.2	± ---	MATERIAL NO. SEE SHEET 4					
			1 PLACE	± 0.25	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
			ANGULAR ± 3 °								

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

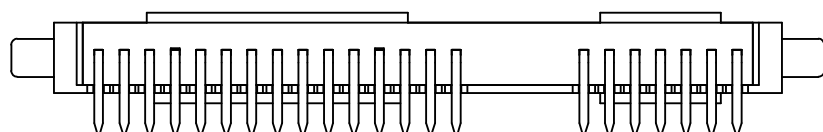
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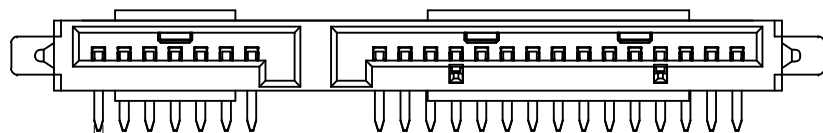
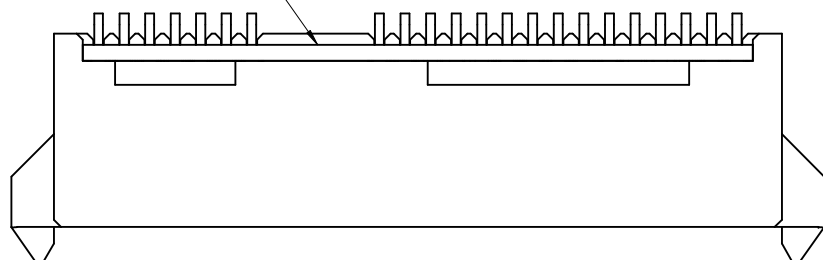
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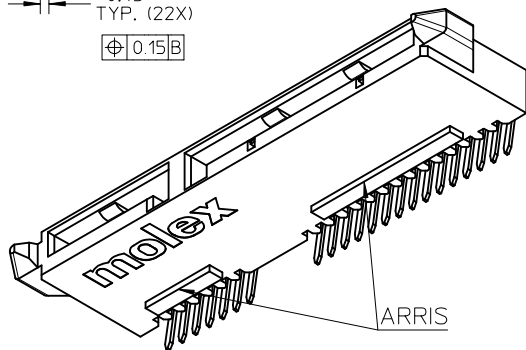


COVER



0,45 ±0,05
TYP. (22X)

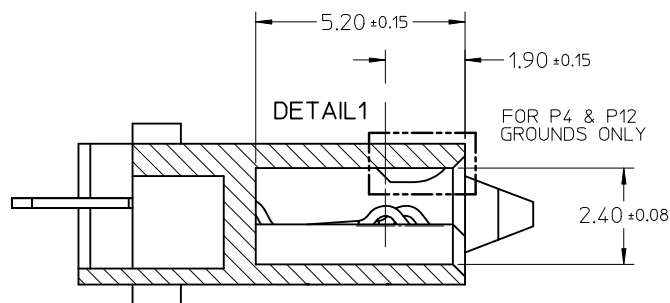
⌀ 0,15 B



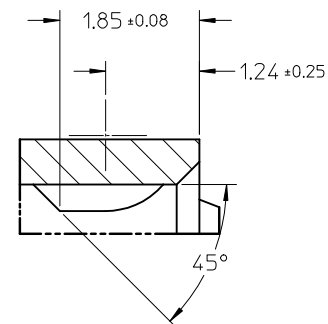
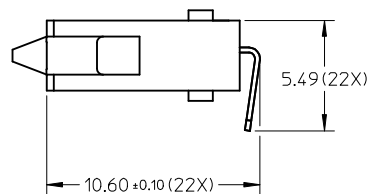
ARRIS

RIGHT ANGLE(90 DEGREE) TYPE

OTHER DIMENSIONS REFER TO STRAIGHT TYPE

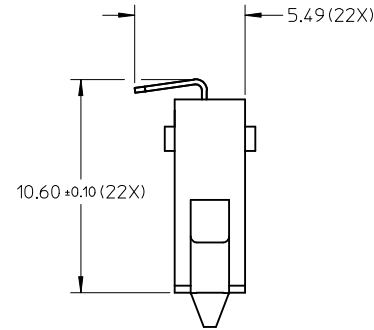
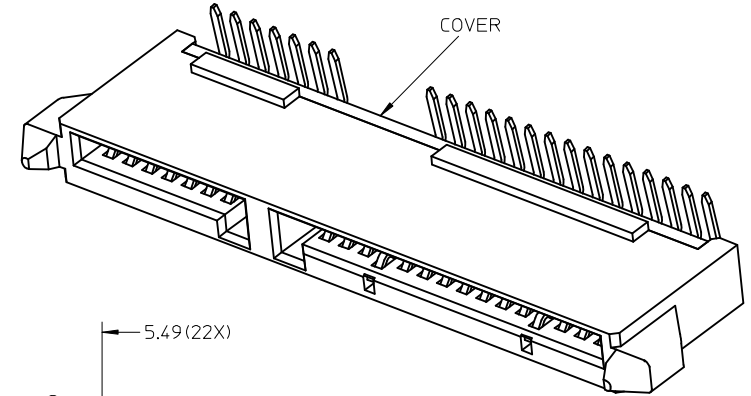
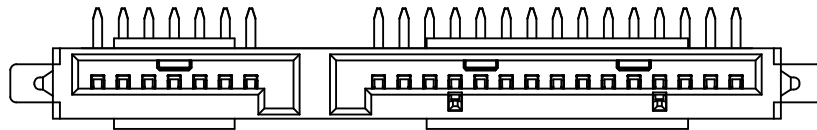
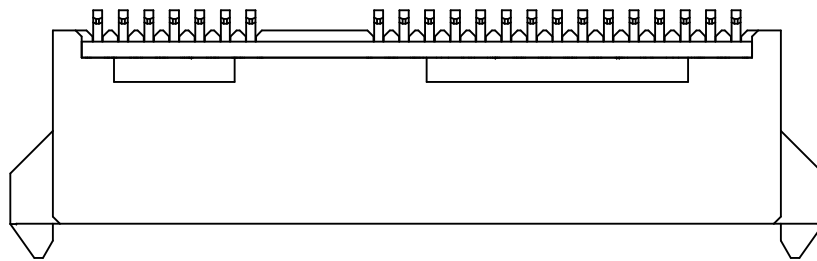
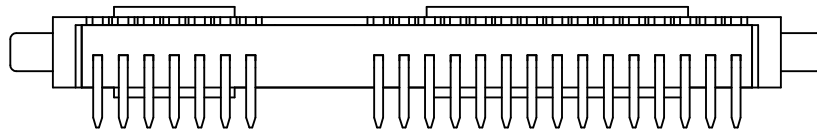


SECTION Z-Z



DETAIL1

SEE SHEET1 EC NO: SH2009-0500 2009/04/16 DRWN:XJ.SONG 2009/04/17 CHKD:XJ.SONG 2009/05/21 APPR:HWANG	QUALITY SYMBOLS ▽=0 ▽C=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION					
			mm		INCH		DRAWN BY BCHEN26		DATE 2005/12/05			TITLE COMBO SATA RECEPTACLE CABLE END				
			4 PLACES ± ---		± ---		CHECKED BY		DATE							
			3 PLACES ± ---		± ---		DIXON		2005/12/05							
			2 PLACES ± 0.2		± ---		APPROVED BY		DATE				MOLEX INCORPORATED			
			1 PLACE ± 0.25		± ---		GRATE		2005/12/05							
			ANGULAR ± 3 °				MATERIAL NO.		DOCUMENT NO.			SHEET NO. 2 OF 4				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE SHEET4						SD-47362-100			
							SIZE A3						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



RIGHT ANGLE(270 DEGREE) TYPE
OTHER DIMENSIONS REFER TO RIGHT ANGLE(90 DEGREE) TYPE

SEE SHEET1 EC NO: SH2009-0500 DRWN:XJ SONG 2009/04/16 CHKD:XJ SONG 2009/04/17 APPR:HWANG 2009/05/21	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◇=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
					DRAWN BY BCHEN26	DATE 2005/12/05	TITLE COMBO SATA RECEPTACLE CABLE END		
					CHECKED BY DIXON	DATE 2005/12/05			
					APPROVED BY GRATE	DATE 2005/12/05	 MOLEX INCORPORATED		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET4			DOCUMENT NO. SD-47362-100	
REV			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

[illegible]