

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0473621021

Status:

Active

Overview:

serial_ata_127_host_receptacles

Description:

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

Documents:

3D Model

Drawing (PDF)

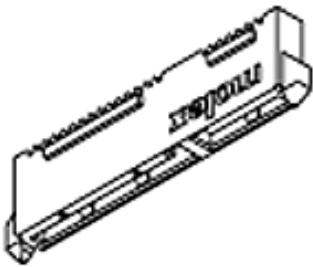
Product Specification PS-47362-001 (PDF)

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
Temperature Range - Operating	-35°C to +85°C
Termination Interface: Style	Solder or Weld
Waterproof / Dustproof	No
Wire Size AWG	N/A

Electrical



Series
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
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

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

Material Info

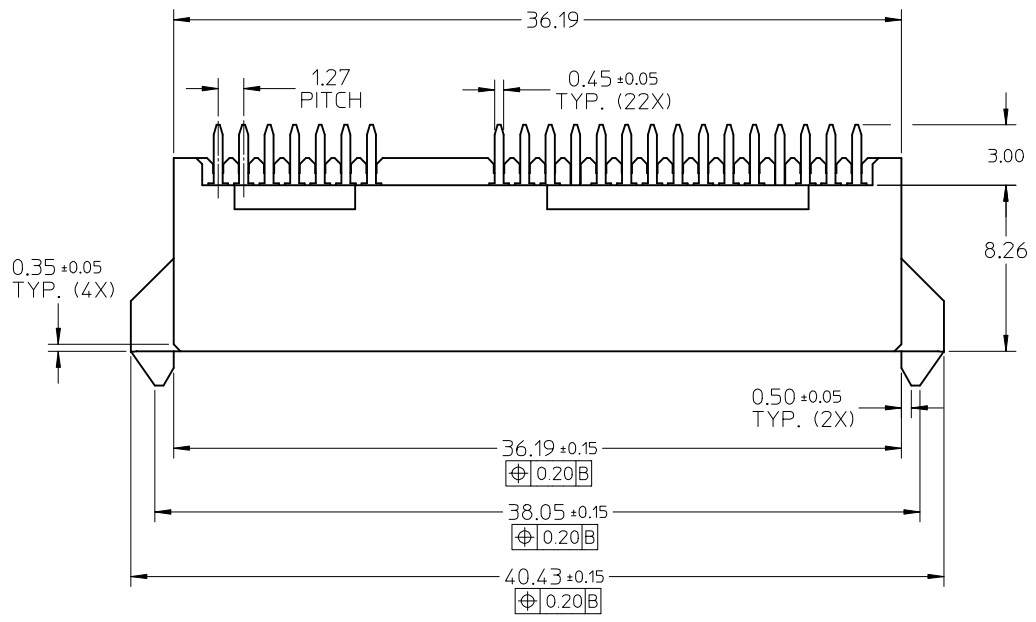
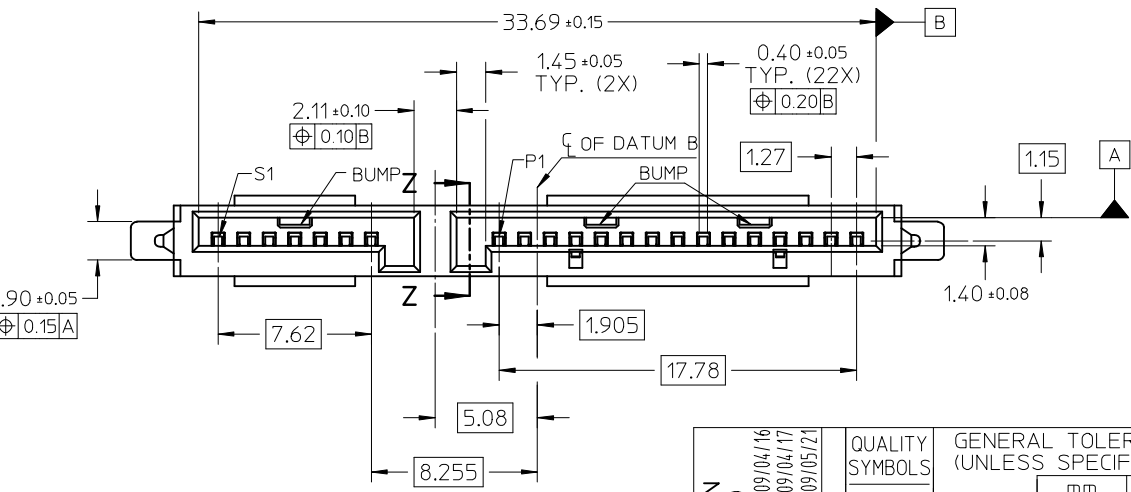
Reference - Drawing Numbers

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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10 9 8 7 6 5 4 3 2 1



NOTES:

1. MATERIAL:

HOUSING: THERMAL PLASTIC, GLASS FILLED, UL94V-0, COLOR: BLACK.
TERMINAL: COPPER ALLOY, THICKNESS=0.25MM.

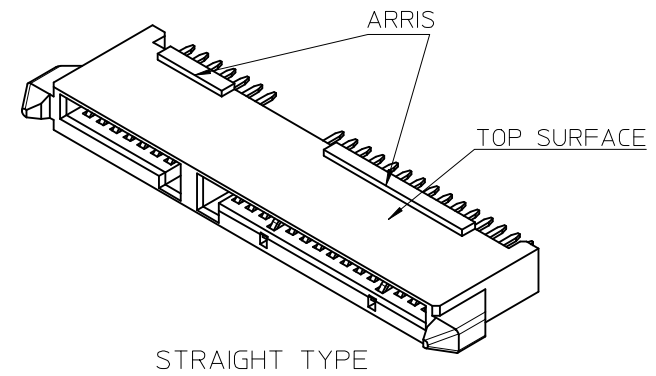
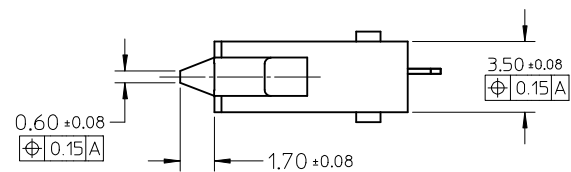
2. TERMINAL PLATING:

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:XJ.SONG 2009/04/16 CHKD:XJ.SONG 2009/04/17 APPR:HWANG 2009/05/21 REV	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 BCHEN26	DATE 2005/12/05	TITLE COMBO SATA RECEPTACLE CABLE END				
			4 PLACES	± ---	± ---	CHECKED BY DIXON	DATE 2005/12/05					
			3 PLACES	± ---	± ---	APPROVED BY GRATE	DATE 2005/12/05	MOLEX INCORPORATED DOCUMENT NO. SD-47362-100 SHEET NO. 1 OF 4				
			2 PLACES	± 0.2	± ---	ANGULAR ± 3 °						
			1 PLACE	± 0.25	± ---							
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				MATERIAL NO. SEE SHEET 4								
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

10 9 8 7 6 5 4 3 2 1

F

E

D

C

B

A

F

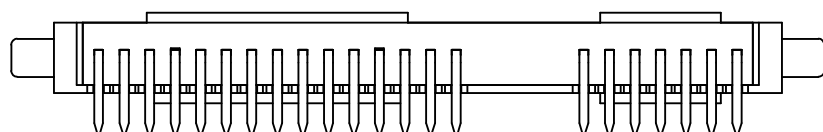
E

D

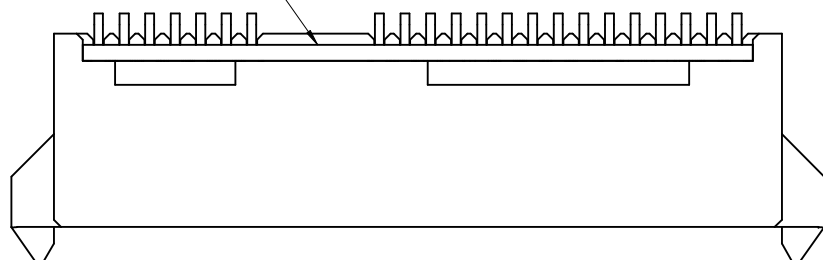
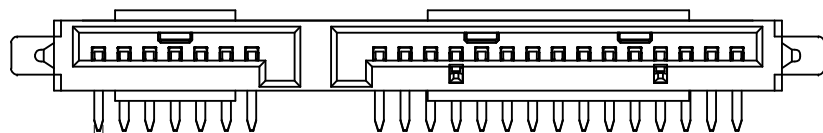
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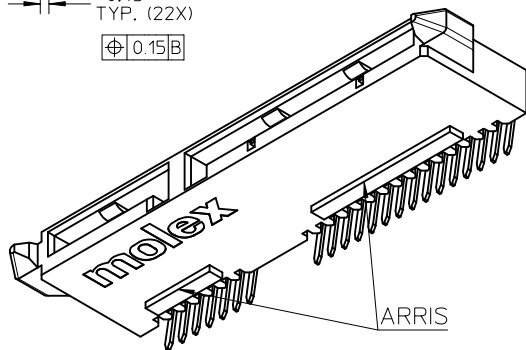


COVER



0,45 ±0,05
TYP. (22X)

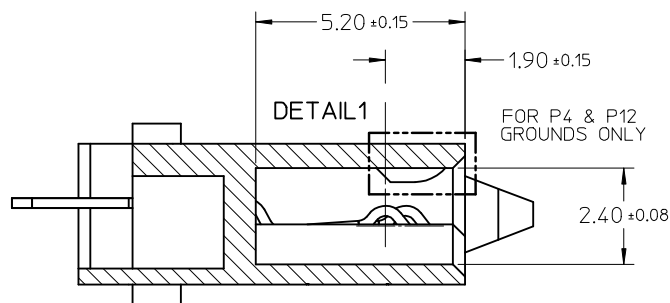
⌀ 0,15 B



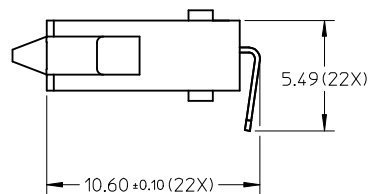
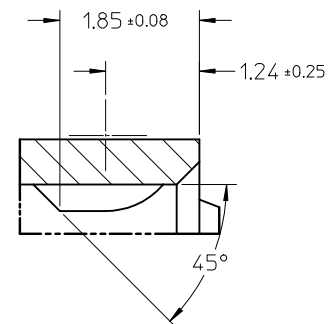
ARRIS

RIGHT ANGLE(90 DEGREE) TYPE

OTHER DIMENSIONS REFER TO STRAIGHT TYPE

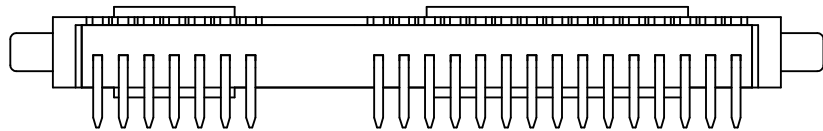
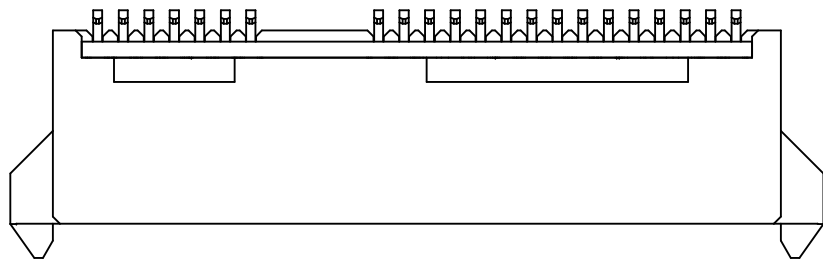
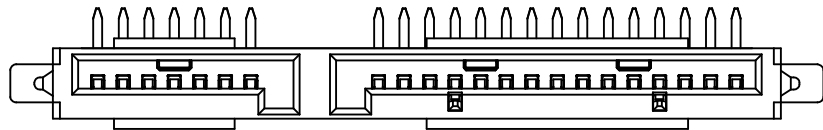
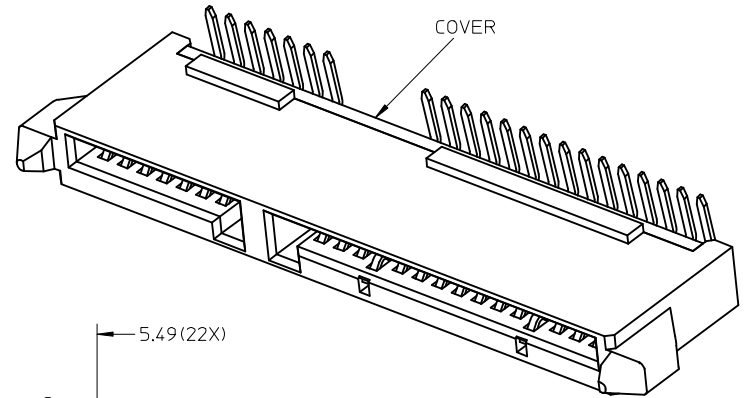
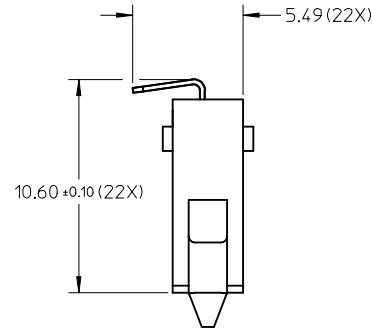


SECTION Z-Z



DETAIL1

SEE SHEET1 EC NO: SH2009-0500 DRWN:XJ.SONG 2009/04/16 CHKD:XJ.SONG 2009/04/17 APPR:HWANG 2009/05/21	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
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			3 PLACES	± ---	± ---	DIXON	2005/12/05		
			2 PLACES	± 0.2	± ---	APPROVED BY	DATE		
			1 PLACE	± 0.25	± ---	GRATE	2005/12/05		
REV			ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET4		SD-47362-100		2 OF 4
					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:X JSONG CHKD:X JSONG APPR:HWANG	REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 			
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						APPROVED BY GRATE		DATE 2005/12/05					
				ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		MOLEX MOLEX INCORPORATED		SHEET NO. 3 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					

	10	9	8	7	6	5	4	3	2	1																																																														
	P/N	PLATE TYPE	REMARK	STRAIGHT OR R/A	P/N	PLATE TYPE	REMARK	STRAIGHT OR R/A																																																																
F	47362-1000	GOLD FLASH			47362-3000	GOLD FLASH																																																																		
	47362-1001	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON BOTH SURFACE		47362-3001	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON BOTH SURFACE																																																																	
	47362-1002	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS		47362-3002	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER																																																																	
	47362-1010	GOLD FLASH			47362-3010	GOLD FLASH																																																																		
	47362-1011	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON TOP SURFACE		47362-3011	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON TOP SURFACE																																																																	
	47362-1012	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS		47362-3012	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER																																																																	
E	47362-1020	GOLD FLASH			47362-3020	GOLD FLASH																																																																		
	47362-1021	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON BOTTOM SURFACE		47362-3021	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON BOTTOM SURFACE																																																																	
	47362-1022	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS		47362-3022	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER																																																																	
	47362-1030	GOLD FLASH			47362-3030	GOLD FLASH																																																																		
	47362-1031	GOLD PLATED 0.76 MICRONS MIN.	WITHOUT ARRIS		47362-3031	GOLD PLATED 0.76 MICRONS MIN.	WITHOUT ARRIS																																																																	
	47362-1032	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS		47362-3032	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER																																																																	
D	47362-2000	GOLD FLASH																																																																						
	47362-2001	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON BOTH SURFACE																																																																					
	47362-2002	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER																																																																					
	47362-2010	GOLD FLASH																																																																						
	47362-2011	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON TOP SURFACE																																																																					
	47362-2012	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER																																																																					
	47362-2020	GOLD FLASH																																																																						
	47362-2021	GOLD PLATED 0.76 MICRONS MIN.	WITH ARRIS ON BOTTOM SURFACE																																																																					
	47362-2022	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER																																																																					
C	47362-2030	GOLD FLASH																																																																						
	47362-2031	GOLD PLATED 0.76 MICRONS MIN.	WITHOUT ARRIS																																																																					
	47362-2032	GOLD PLATED 0.38 MICRONS MIN.	WITH BUMPS,WITH COVER																																																																					
	47362-1003	GOLD PLATED 0.38 MICRONS MIN.	WITH ARRIS ON BOTH SURFACE WITHOUT BUMPS	STRAIGHT TYPE																																																																				
B	47362-1082	GOLD PLATED 0.38 MICRONS MIN.	WITH ARRIS ON BOTH SURFACE WITH BUMPS	STRAIGHT TYPE																																																																				
A																																																																								
<table><tr><td rowspan="5">SEE SHEET1 EC NO: SH2009-0500 DRAWN:XJSONG 2009/04/16 CHKD:XJSONG 2009/04/17 APPR:HMWANG 2009/05/21</td><td rowspan="5">DESCRIPTION REV</td><td rowspan="5">QUALITY SYMBOLS ▽=0 ▽=0</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE MM ONLY</td><td>SCALE 4:1</td><td>DESIGN UNITS METRIC</td><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td><td>DRAWN BY BCHEN26</td><td>DATE 2005/12/05</td><td colspan="4" rowspan="2">TITLE COMBO SATA RECEPTACLE CABLE END</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td><td>CHECKED BY DIXON</td><td>DATE 2005/12/05</td></tr><tr><td>2 PLACES</td><td>± 0.2</td><td>± ---</td><td>APPROVED BY GRATE</td><td>DATE 2005/12/05</td><td colspan="4" rowspan="2">MOLEX INCORPORATED</td></tr><tr><td>1 PLACE</td><td>± 0.25</td><td>± ---</td><td>MATERIAL NO.</td><td>DOCUMENT NO.</td><td colspan="2">SHEET NO. 4 OF 4</td></tr><tr><td colspan="3">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">SIZE A3</td><td colspan="7">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>												SEE SHEET1 EC NO: SH2009-0500 DRAWN:XJSONG 2009/04/16 CHKD:XJSONG 2009/04/17 APPR:HMWANG 2009/05/21	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION										4 PLACES	± ---	± ---	DRAWN BY BCHEN26	DATE 2005/12/05	TITLE COMBO SATA RECEPTACLE CABLE END				3 PLACES	± ---	± ---	CHECKED BY DIXON	DATE 2005/12/05	2 PLACES	± 0.2	± ---	APPROVED BY GRATE	DATE 2005/12/05	MOLEX INCORPORATED				1 PLACE	± 0.25	± ---	MATERIAL NO.	DOCUMENT NO.	SHEET NO. 4 OF 4		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
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