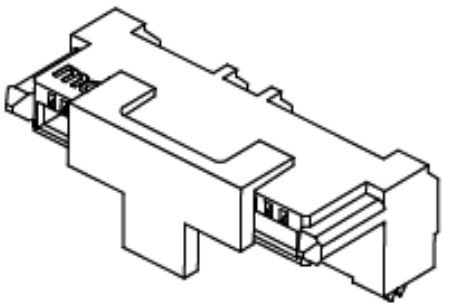
This document was generated on 05/31/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0483361001
Status: Active
Overview: slimline_serial_ata_odd_connectors
Description: SLIMLINE SATA REC. REVERSE SMT WITH CLIP

Documents:
3D Model
Drawing (PDF)
Product Specification PS-48321-001 (PDF)
RoHS Certificate of Compliance (PDF)



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
48336Series

Mates With
473001xxx Slimline Serial ATA Plugs

Agency Certification

CSA	LR19980
UL	E29179

General

Product Family	PCB Receptacles
Series	48336
Application	Board-to-Board
Comments	Reverse SMT Type, with Clip
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	No
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Material - Resin	High Temperature Thermoplastic
Number of Rows	1
Orientation	Right Angle
PCB Locator	No
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)	2
Plating min: Mating (µm)	0.05
Plating min: Termination (µin)	100
Plating min: Termination (µm)	2.54
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Robotic Placement	Pick and Place Cap
Stackable	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	1A
Grounding to PCB	Yes
Voltage - Maximum	15V (RMS)

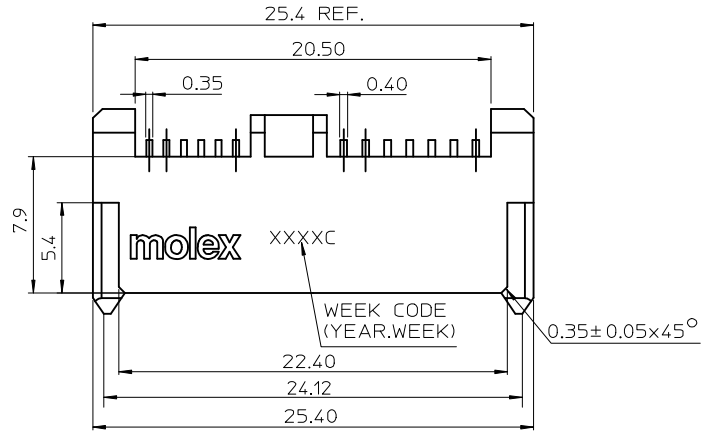
Material Info

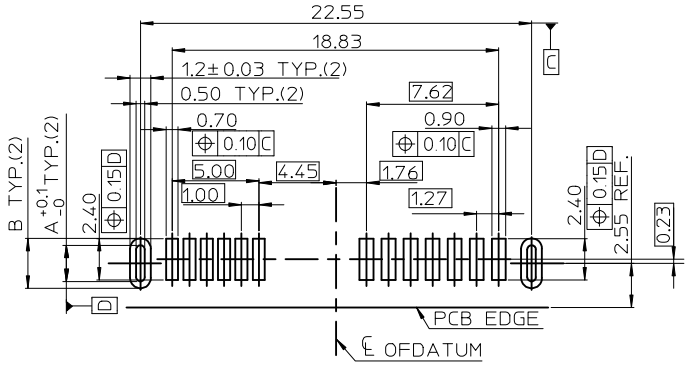
Reference - Drawing Numbers

Packaging Specification	PK-48336-001
Product Specification	PS-48321-001
Sales Drawing	SD-48336-001

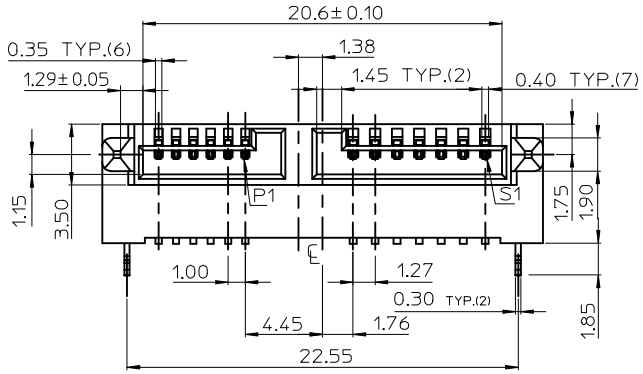
This document was generated on 05/31/2010

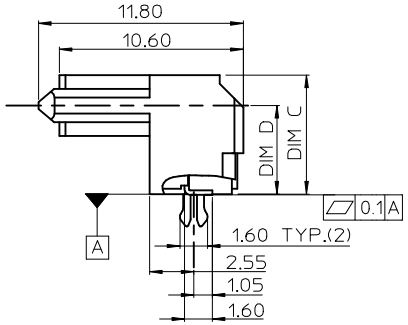
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION



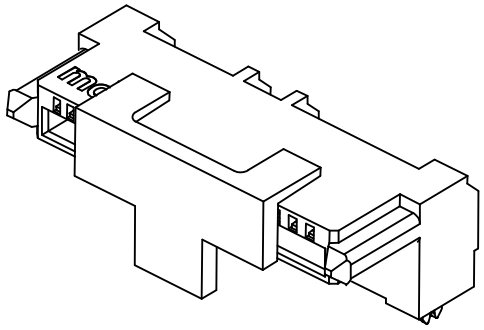


CLIP FUNCTION AVAIABLE		CLIP FUNCTION UNAVAILABLE	
DIM A	DIM B	DIM A	DIM B
1.40	2.10	1.75	2.45





RECOMMENDED PC BOARD LAYOUT
TOLERANCE:±0.05mm(TOP VIEW)



RELEASE			
EC NO: SH2009-0357	2008/12/12		
DRWN:FYANG05	2008/12/12		
CH'KD:DMZHANG02	2008/12/16		
APPR:HWWANG		DESCRIPTION	
B		REV	

QUALITY SYMBOLS
▼=0
Ⓒ▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

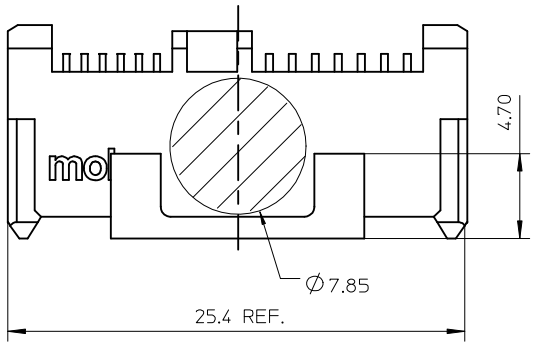
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± 0.10	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		

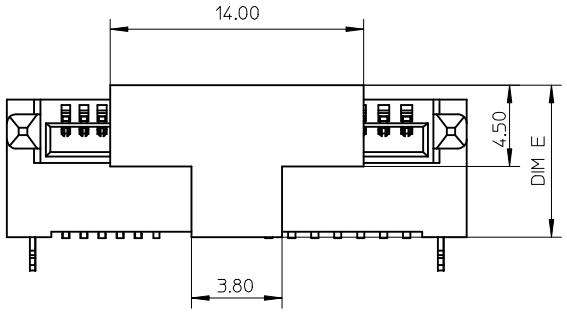
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

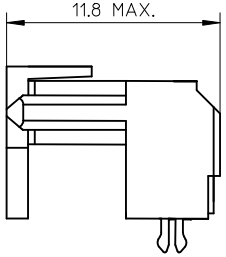
DIMENSION STYLE	MM ONLY
SCALE	
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	LINDA
DATE	2008/7/25
CHECKED BY	DMZHANG02
DATE	2008/7/31
APPROVED BY	HWWANG
DATE	2008/7/31
MATERIAL NO.	SEE TABLE
TITLE	SLIMLINE SATA RECEPTACLE REVERSE SMT TYPE WITH CLIP
	MOLEX INCORPORATED
DOCUMENT NO.	SD-48336-001
SHEET NO.	1 OF 2
SIZE	A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

P/N	PLATING OPTIONS	DIM C	DIM D	DIM E	WITHSTANDING MFG TEST
48336-1001	GOLD FLASH	7.10	5.35	7.90	NO
48336-1002	15 MICROINCH				NO
48336-1003	30 MICROINCH				YES
48336-2001	GOLD FLASH	7.60	5.85	8.40	NO
48336-2002	15 MICROINCH				NO
48336-2003	30 MICROINCH				YES







NOTES:
1.MATERIAL:
 HOUSING & CAP:LIQUID CRYSTAL POLYMER,GLASS FIBER FILLED, UL94V-0,COLOR:BLACK.
 TERMINAL:COPPER ALLOY.
 CLIP:COPPER ALLOY.
2.PLATING:
 TERMINAL:
  CONTACT AREA:SEE TABLE
  SOLDER TAIL:MATTE TIN,THICKNESS=100 MICROINCH MIN/2.54 MICROMETER MIN.
  UNDER PLATE:NICKEL(Ni).THICKNESS=50 MICROINCH MIN/1.27 MICROMETER MIN.
 CLIP:TIN(Sn),THICKNESS=100 MICROINCH MIN/2.54 MICROMETER MIN.
3.▨PICK & PLACE VACUUM AREA.
4.RECOMMENDED PCB THICKNESS:1.20± 0.05mm
5.PRODUCT SPECIFICATION REFER TO PS-48321-001
6.TEST SUMMARY:
  48336-1003 REFER TO TS-48336-103
  48336-2003 REFER TO TS-48336-203
7.PACKAGING SPECIFICATION REFER TO PK-48336-001
8.LEAD FREE & RoHS COMPLIANT PRODUCT.

RELEASE
EC NO: SH2009-0357 2008/12/12
DRWN:FYANG05 2008/12/12
CH'KD: 2008/12/16
APPR:HWWANG
DESCRIPTION
REV B

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± 0.10	± ---
2 PLACES	± 0.15	± ---
1 PLACE	± 0.25	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY	LINDA	DATE 2008/7/25
CHECKED BY	DMZHANG02	DATE 2008/7/31
APPROVED BY	HWWANG	DATE 2008/7/31

TITLE: SLIMLINE SATA RECEPTACLE REVERSE SMT TYPE WITH CLIP
MOLEX INCORPORATED
MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-48336-001
SHEET NO.: 2 OF 2
SIZE A3

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