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Part Number:

0483300001

Status:

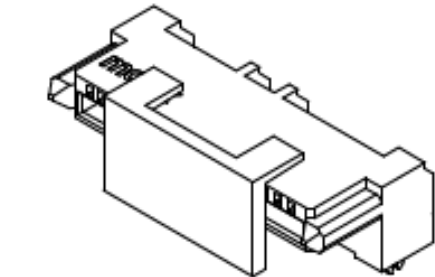
Active

Overview:

slimline_serial_ata_odd_connectors

Description:

1.00mm (.039"), 1.27mm (.050") Pitch Slimline Serial ATA Receptacle, Right Angle, Reverse SMT with Clip, 0.76µm (30µ") Gold (Au) Plating, Mounted Height: 6.85mm (.270"), Lead free



Series

image - Reference only

Documents:

3D Model

Drawing (PDF)

Product Specification PS-48321-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

UL

LR19980

E29179

General

Product Family

Series

Application

Comments

Overview

Product Name

PCB Receptacles

48330

Board-to-Board

Reverse SMT Type, with Clip

slimline_serial_ata_odd_connectors

Serial ATA, Slimline Serial ATA

Physical

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

Flammability

Glow-Wire Compliant

Guide to Mating Part

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PCB Locator

PCB Retention

Packaging Type

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

Robotic Placement

Stackable

Temperature Range - Operating

Termination Interface: Style

13

13

Black

500

94V-0

No

Yes

Yes

No

Phosphor Bronze

Gold

Tin

High Temperature Thermoplastic

1

Right Angle

No

Yes

Embossed Tape on Reel

0.039 In, 0.050 In

1.00 mm, 1.27 mm

0.039 In, 0.050 In

1.00 mm, 1.27 mm

30

0.76

100

2.54

Yes

Yes

Pick and Place Cap

No

-40°C to +85°C

Surface Mount

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

48330Series

Mates With

473001xxx Slimline Serial ATA Plugs

Electrical

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

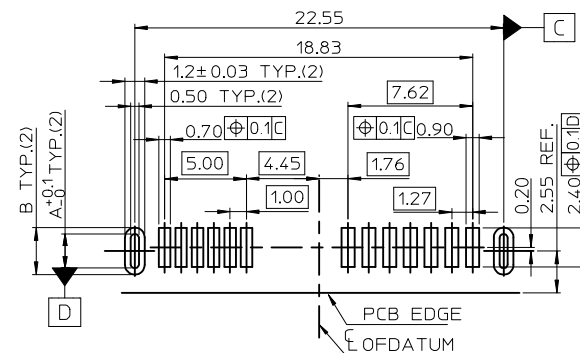
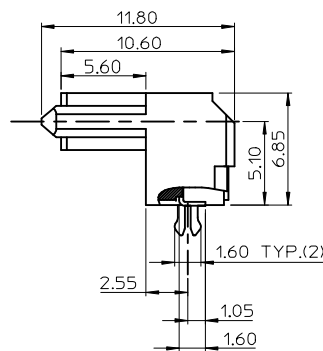
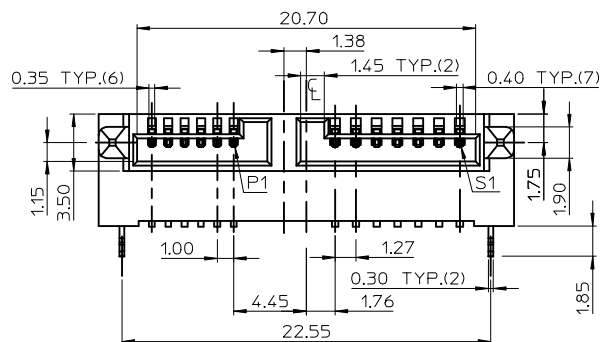
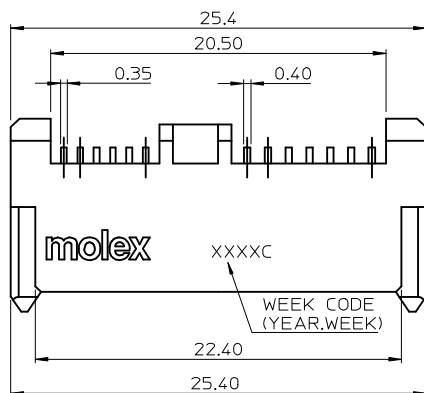
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-48330-001
Product Specification	PS-48321-001
Sales Drawing	SD-48330-001
Test Summary	TS-48330-001

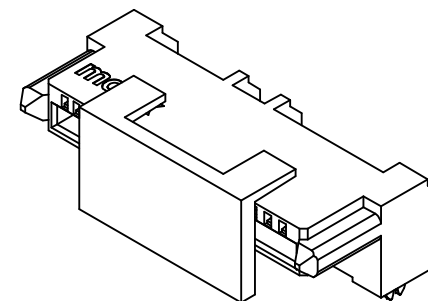
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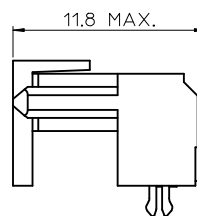
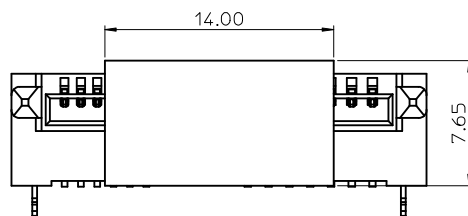
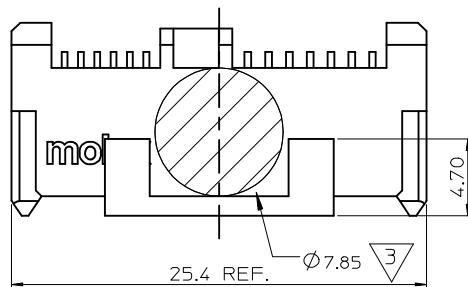


CLIP FUNCTION AVAILABLE		CLIP FUNCTION UNAVAILABLE	
DIM A	DIM B	DIM A	DIM B
1.4	2.1	1.75	2.45

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



NEW RELEASE EC NO: SH2009-0026 DRWN:GWANG08 2008/12/23 CHKD:DMZHANG02 2008/12/23 APPR:HWANG 2009/01/09 A	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY LINDA	DATE 2007/10/23	TITLE SLIMLINE SATA RECEPTACLE REVERSE SMT WITH CLIP MOLEX MOLEX INCORPORATED	DOCUMENT NO. SD-48330-001	SHEET NO. 1 OF 2	
			4 PLACES	± ---	± ---	CHECKED BY ALLEN LIN	DATE 2007/10/25				
			3 PLACES	± ---	± ---	APPROVED BY ERICK LAN	DATE 2007/10/25				
			2 PLACES	± 0.25	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
			1 PLACE	± 0.25	± ---						
			ANGULAR ± 3 °			MATERIAL NO. SEE SHEET 2					
						SIZE A 4	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				



P/N	PLATING OPTIONS	WITHSTANDING MFG TEST
48330-0001	GOLD FLASH	NO
48330-0002	15 MICROINCH	NO
48330-0003	30 MICROINCH	YES

NOTES:

1.MATERIAL:

HOUSING & CAP:LIQUID CRYSTAL POLYMER,GLASS FIBER FILLED,
UL94V-0,COLOR:BLACK.

TERMINAL:PHOSPHOR BRONZE.

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).

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 REFER TO TS-48330-001

7.PACKAGING SPECIFICATION REFER TO PK-48330-001

8.LEAD FREE & RoHS COMPLIANT PRODUCT.

SEE SHEET 1 EC NO: SH2009-0026 DRWN:GWANG08 CHKD:DMZHANG02 APPR:HMWANG 2008/12/23 2008/12/23 2009/01/09	QUALITY SYMBOLS ▽=0 ◻=0	DESCRIPTION REV	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
			4 PLACES 3 PLACES 2 PLACES 1 PLACE	mm	INCH	DRAWN BY LINDA	DATE 2007/10/23	TITLE SLIMLINE SATA RECEPTACLE REVERSE SMT WITH CLIP				
				± ---	± ---	CHECKED BY ALLEN LIN	DATE 2007/10/25					
				± ---	± ---	APPROVED BY ERICK LAN	DATE 2007/10/25	molex MOLEX INCORPORATED				
				± 0.25	± ---	MATERIAL NO. SEE TABLE						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			ANGULAR ± 3 °									