

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0483251106

Status:

Active

Overview:

Slimline Serial ATA ODD Connectors

Description:

1.00mm (.039"), 1.27mm (.050") Pitch Slimline Serial ATA Receptacle, Right Angle, Reverse Type, Through Hole, Gold (Au) Flash Plating, with Screw and Clip, Lead free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-48321-001 (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification

CSA

LR19980

UL

E29179

General

Product Family

Series

Application

Comments

Overview

Product Name

PCB Receptacles

48325

Board-to-Board

Screw and Clip version

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

PCB Thickness Recommended (in)

PCB Thickness Recommended (mm)

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

Surface Mount Compatible (SMC)

13

13

Black

500

94V-0

No

Yes

Yes

No

Copper Alloy

Gold

Tin

High Temperature Thermoplastic

1

Right Angle

Yes

Yes

0.047 In

1.20 mm

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

2

0.05

100

2.54

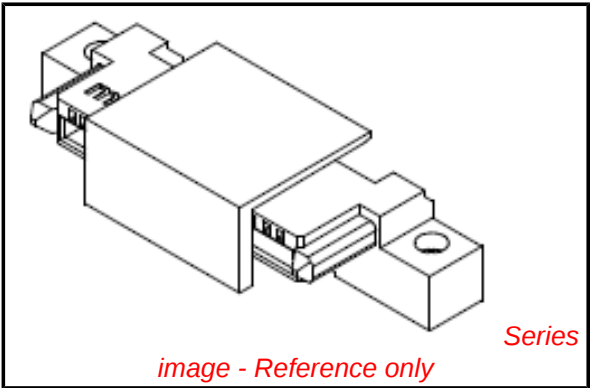
Yes

Yes

Pick and Place Cap

No

Yes



EU RoHS

ELV and RoHS Compliant

REACH SVHC

Contains SVHC: No

Halogen-Free

Status

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

48325Series

Mates With

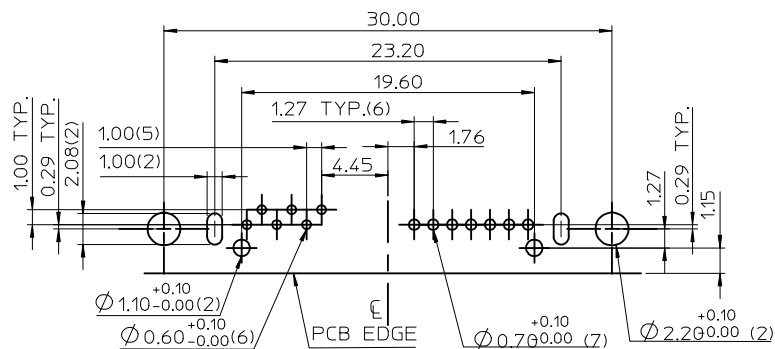
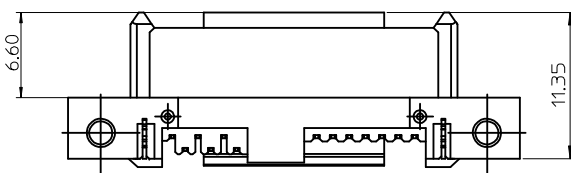
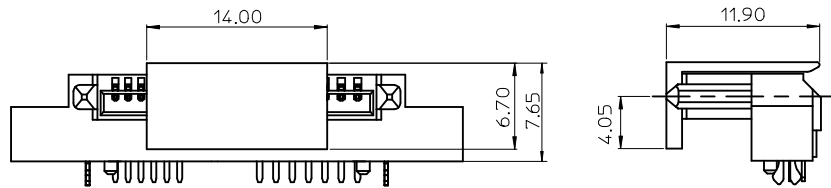
473001xxx Slimline Serial ATA Plugs

Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Through Hole
Electrical	
Current - Maximum per Contact	1A
Grounding to PCB	Yes
Voltage - Maximum	15V (RMS)
Solder Process Data	
Duration at Max. Process Temperature (seconds)	3
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	
Product Specification	PS-48321-001
Sales Drawing	SD-48325-003

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10 9 8 7 6 5 4 3 2 1



RECOMMENDED PC BOARD LAYOUT
TOLERANCE: $\pm 0.05\text{mm}$ (TOP VIEW)

P/N	PLATING OPTIONS	WITHSTANDING MFG TEST
48325-1104	30 MICROINCH	YES
48325-1105	15 MICROINCH	NO
48325-1106	GOLD FLASH	NO

NOTES:

1.MATERIAL:

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

TERMINAL: COPPER ALLOY.

NUT: ZINC ALLOY

CLIP: COPPER ALLOY.

2.PLATING:

TERMINAL:

CONTACT AREA: SEE TABLE

SOLDER TAIL: MATTE TIN PLATED,

THICKNESS=100 MICROINCH MIN/2.54 MICROMETER MIN.

UNDER PLATE: NICKEL (Ni) PLATED OVERALL.

NUT: NICKEL (Ni) PLATED, THICKNESS=50 MICROINCH MIN/1.27 MICROMETER MIN.

CLIP: TIN (Sn) PLATED,

THICKNESS=100 MICROINCH MIN/2.54 MICROMETER MIN.

3.MATES WITH: SERIES 47300.

4.RECOMMENDED PCB THICKNESS: $1.20 \pm 0.05\text{mm}$.

5.PRODUCT SPECIFICATION REFER TO PS-48321-001.

6.TEST SUMMARY REFER TO TS-48325-001.

7.PACKAGING SPECIFICATION REFER TO PK-48325-002.

8.LEAD FREE & RoHS COMPLIANT PRODUCT.

REVISED
EC NO: SH2009-0407
DRAWN: LWHOU
CHKD: DMZHANG02
APPR: HWANG
2008/12/16
2008/12/16
2008/12/23

QUALITY SYMBOLS
=0
=0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$ ---
2 PLACES	± 0.25	$\pm$ ---
1 PLACE	± 0.25	$\pm$ ---

ANGULAR $\pm 3^\circ$

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
LINDA	2008/09/10
CHECKED BY	DATE
DMZHANG02	2008/09/10
APPROVED BY	DATE
HWANG	2008/09/10
MATERIAL NO.	

SEE TABLE

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

SCALE
1:1

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

TITLE
SLIMLINE SATA RECEPTACLE
REVERSE RIGHT ANGLE
WITH SCREW & CLIP

MOLEX INCORPORATED

DOCUMENT NO.
SD-48325-003

SHEET NO.
2 OF 2

9 8 7 6 5 4 3 2 1