

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0476572000

Status:

Active

Overview:

slimline_serial_ata_odd_connectors

Description:

1.27mm (.050") Pitch Removable Slimline Serial ATA Plug for Optical DiskDrive, Vertical, Bottom Mount, SMT, Gold (Au) Flash Plating, with Cap, Lead-free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-47657-001 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Comments

Overview

Product Name

PCB Headers

47657

Board-to-Board

SMT Type

slimline_serial_ata_odd_connectors

Serial ATA, Slimline Serial ATA

Physical

Breakaway

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Durability (mating cycles max)

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

Stackable

Temperature Range - Operating

Termination Interface: Style

No

22

22

Black

500

No

Yes

Yes

Yes

Copper Alloy

Gold

Tin

High Temperature Thermoplastic

1

Vertical

No

Yes

Embossed Tape on Reel

0.050 In

1.27 mm

0.050 In

1.27 mm

2

0.05

39

1

Yes

Yes

No

-35°C to +85°C

Surface Mount

Electrical

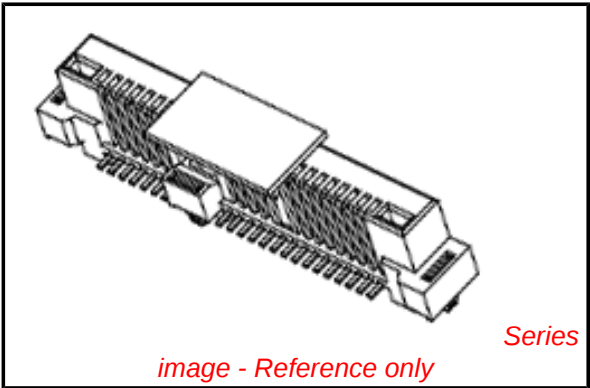
Current - Maximum per Contact

Voltage - Maximum

1.5A

15V DC

Solder Process Data



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status



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

47657Series

Mates With

476571000 Receptacle

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	260

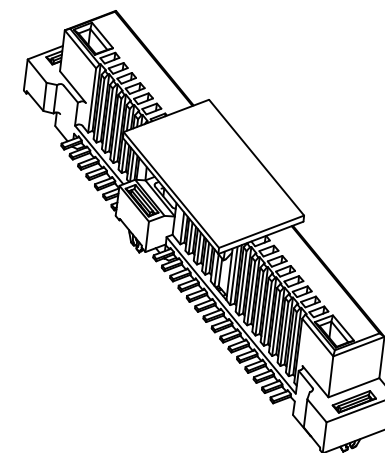
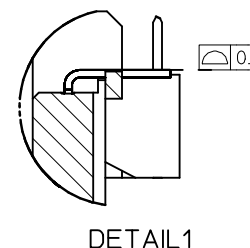
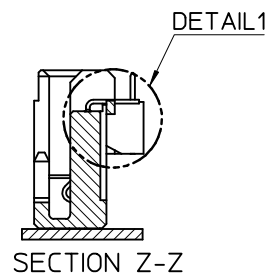
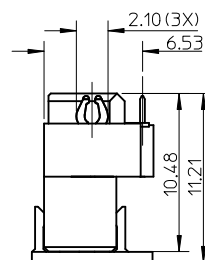
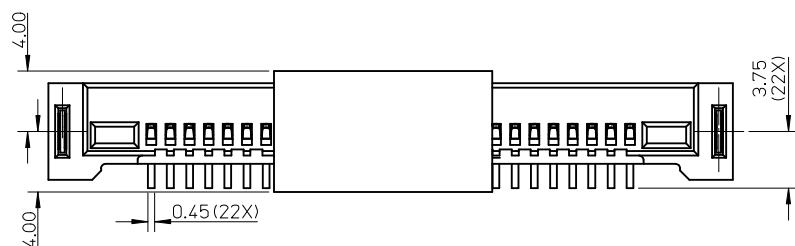
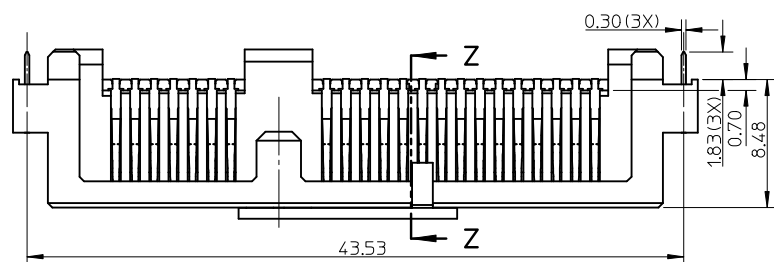
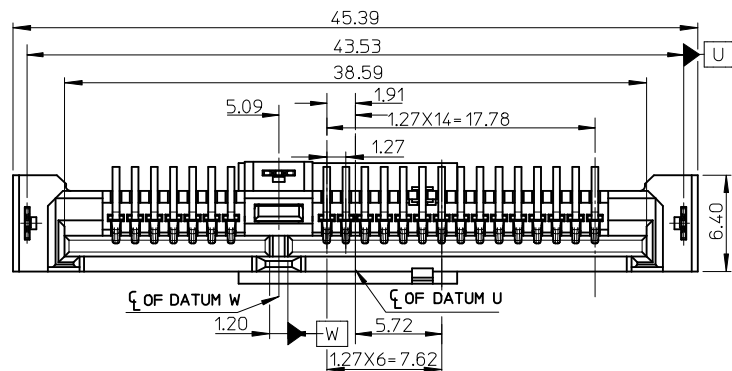
Material Info

Reference - Drawing Numbers

Packaging Specification	PK-47657-002
Product Specification	PS-47657-001
Sales Drawing	SD-47657-200

This document was generated on 05/26/2010

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NOTES :

1.MATERIAL :

HOUSING : LCP, UL94V-0, BLACK
TERMINAL : COPPER ALLOY
FORKLOCK : COPPER ALLOY

2.PLATING :

TERMINAL :
CONTACT AREA : GOLD PLATING, DETAIL REFER TO CHART.
SOLDER AREA : MATTE TIN PLATING 1 MICRONS MIN.
UNDERPLATING : NICKEL PLATING 1.25 MICRONS MIN.
FORKLOCK :
TIN PLATING 1 MICROMETER MIN. OVER NICKEL PLATING
1 MICROMETER MIN.

3.PACKAGE: TAPE REEL, PK-47657-200.

4.PRODUCT SPEC: PS-47657-001.

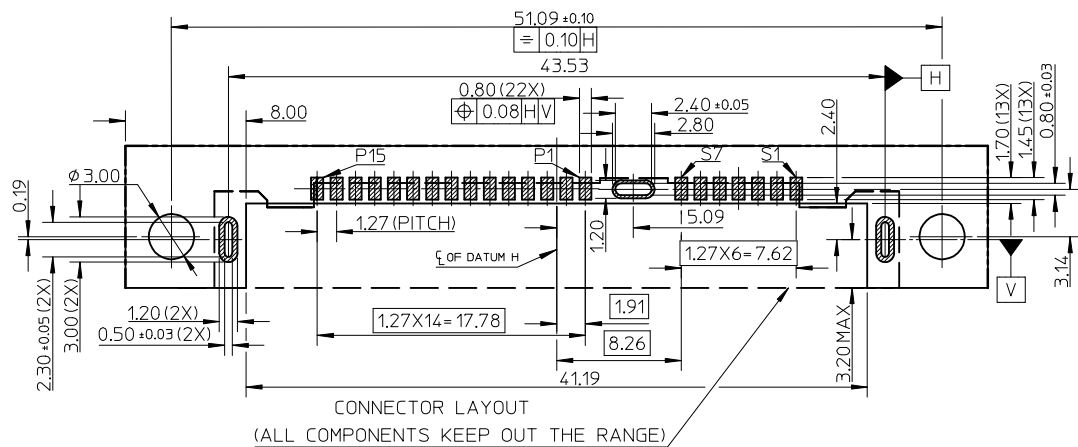
5.THE PRODUCT COMPLIANT TO RoHS DIRECTIVES 2002/95/EC AND ELV 2000/53/EC.

P/N	GOLD PLATING SPEC
47657-2200	0.76 MICRONS MIN
47657-2100	0.38 MICRONS MIN
47657-2000	Au FLASH

ib_frame_A3_P_AM_T
Rev. E 2006/04/15

NEW RELEASE EC NO: SH2009-0626 2009/07/24 DRAWN:GLL I CHKD:XJ SONG 2009/07/24 APPR:RZHANG 2009/08/05	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 DIXON LI	DATE 2008/07/15	TITLE REMOVABLE SATA HEADER CONNECTOR BOTTOM MOUNT TYPE MOLEX INCORPORATED		
			4 PLACES	± ---	± ---	CHECKED BY	DATE			
			3 PLACES	± ---	± ---	STARY SONG	2008/07/15			
			2 PLACES	± 0.15	± ---	APPROVED BY	DATE			
			1 PLACE	± 0.25	± ---	HARVEY WANG	2008/07/15			
			ANGULAR ± 3 °		MATERIAL NO. 47657-2000	DOCUMENT NO. SD-47657-200	SHEET NO. 1 OF 2			
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					
			A		SIZE A3					
			REV							

SHEET NO.
1 OF 2



RECOMMENDED PCB LAYOUT(COMPONENT SIDE)
PCB THICKNESS=1.4MM+/-0.05

[illegible]