

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0674921120

Status:

Active

Overview:

serial_ata_127_host_receptacles

Description:

1.27mm (.050") Pitch Serial ATA Host Receptacle, Right Angle, SMT, Mating Height 3.55mm (.140"), Gold (Au) Flash, Tray Packaging, 22 Circuits, Lead Free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-67492-001 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Overview

Product Name

PCB Receptacles

67492

Board-to-Board

serial_ata_127_host_receptacles

Serial ATA

Physical

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

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

Stackable

Temperature Range - Operating

Termination Interface: Style

22

22

Black

500

No

Yes

Yes

None

Copper Alloy

Gold

Tin

High Temperature Thermoplastic

1

Right Angle

Yes

Yes

0.045 In

1.20 mm

Tray

0.050 In

1.27 mm

0.050 In

1.27 mm

2

0.05

50

1.27

Yes

Yes

No

-35°C to +85°C

Surface Mount

Electrical

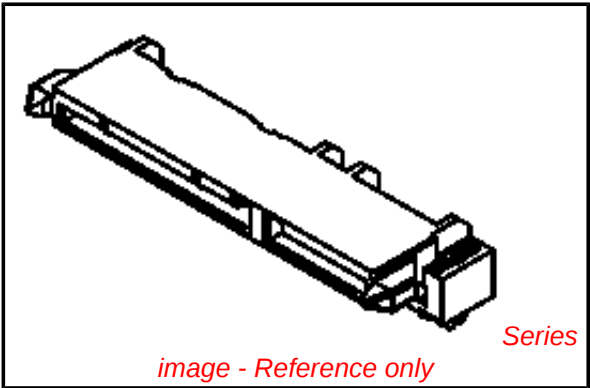
Current - Maximum per Contact

Voltage - Maximum

1.5A

15V DC

Solder Process Data



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

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

67492Series

Mates With

87703 , 87672 Serial ATA Plugs

Lead-free Process Capability
Process Temperature max. C

Reflow Capable (SMT only)
230

Material Info

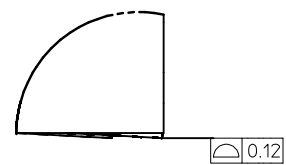
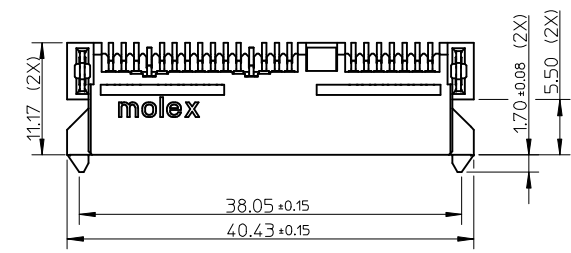
Reference - Drawing Numbers

Packaging Specification	PK-67492-001
Product Specification	PS-67492-001
Sales Drawing	SD-67492-001

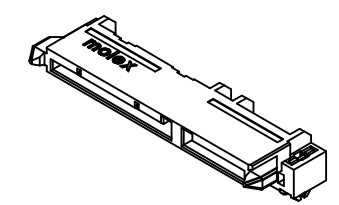
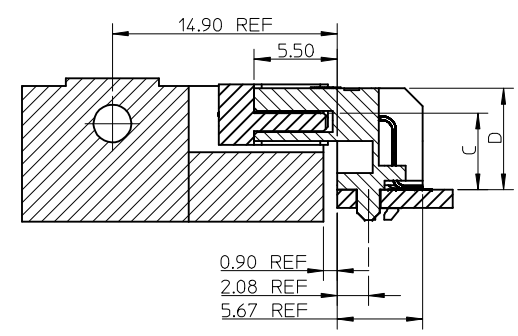
This document was generated on 05/31/2010

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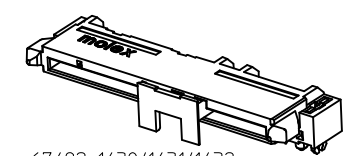
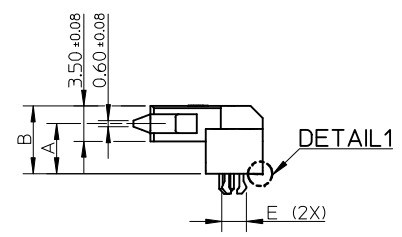
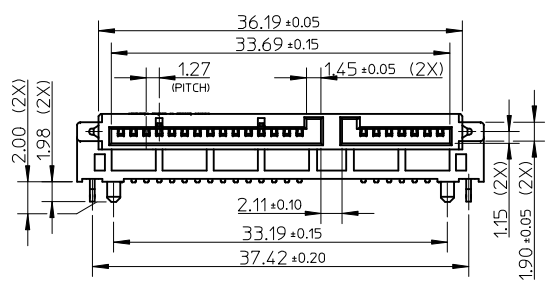
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DETAIL1

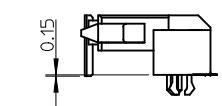
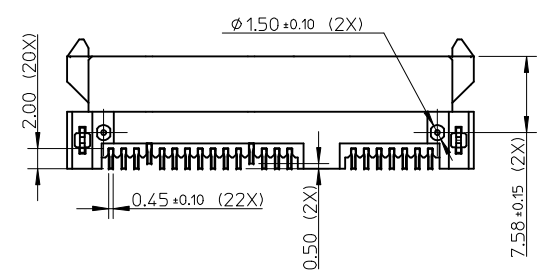


E



67492-1430/1431/1432
/1325/1326/1327
/1440/1441/1442
/1224/1225/1226
/1450/1451/1452.

D



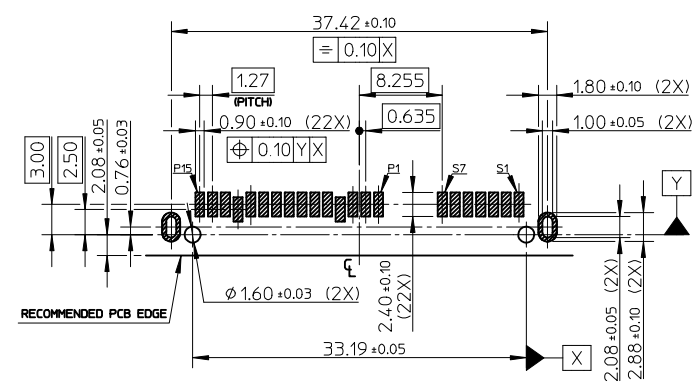
67492-1430/1431/1432
/1325/1326/1327
/1440/1441/1442
/1224/1225/1226
/1450/1451/1452.

OTHER DIMENSION PER OTHER VIEW

NOTES:

1. MATERIAL:
HOUSING: HIGH TEMPERATURE THERMAL PLASTIC, UL94V-0, COLOR: BLACK;
TERMINAL: COPPER ALLOY;
FORKLOCK: COPPER ALLOY.
2. TERMINAL PLATING:
CONTACT AREA:
(A) GOLD FLASH,
(B) GOLD, THICKNESS=0.76 MICRONS MINIMUM,
(C) GOLD, THICKNESS=0.38 MICRONS MINIMUM,
SOLDER AREA: TIN, THICKNESS=1.27 MICRONS MINIMUM;
UNDER PLATE: NICKEL, THICKNESS=1.27 MICRONS MINIMUM.
3. FORKLOCK PLATING:
SOLDER AREA: TIN, THICKNESS=1.27 MICRONS MINIMUM;
UNDER PLATE: NICKEL, THICKNESS=1.27 MICRONS MINIMUM.
4. PRODUCT SPECIFICATION: REFER TO PS-67492-001.
5. PACKAGING METHOD: TRAY, USE DRYER IN HDPE BAGE TO PREVENT BLISTER.
6. MATING PARTS: 87703/87672.
7. PRODUCT COMPLIANT TO RoSH DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC.

B



RECOMMENDED P.C.B. LAYOUT (THICKNESS=1.2mm)
CONNECTOR SIDE

ADD PART NUMBER EC NO: K		DESCRIPTION 2009/07/29 DRWN:XQZHANG 2009/08/07 CHKD:GLI 2009/09/03 APPR:XJ.SONG REV		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION			
				▽=0				DRAWN BY GRATE MA		DATE 2003/10/10		TITLE SATA HOST RECEPTACLE R/A SMT TYPE					
				C=0				CHECKED BY YAJUN		DATE 2003/10/10							
								APPROVED BY SAM		DATE 2003/10/10		MOLEX INCORPORATED					
								MATERIAL NO. SEE SHEET 2		DOCUMENT NO. SD-67492-001							
				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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