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Part Number:

0674921820

Status:

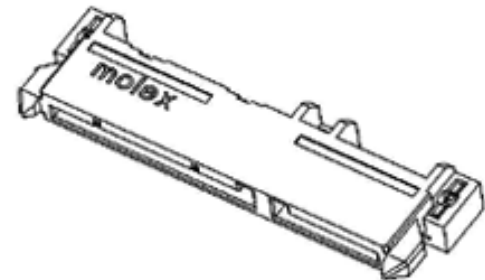
Active

Overview:

serial_ata_127_host_receptacles

Description:

1.27mm (.050") Pitch Serial ATA Host Receptacle, Right Angle, SMT, Mating Height 5.60mm (.220"), Gold (Au) Flash, without Cap, Embossed Tape on Reel Packaging, 22 Circuits, Lead Free



Series

image - Reference only

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [RoHS Certificate of Compliance \(PDF\)](#)

General

Product Family	PCB Receptacles
Series	67492
Application	Board-to-Board
Overview	serial_ata_127_host_receptacles
Product Name	Serial ATA

Physical

Circuits (Loaded)	22
Circuits (maximum)	22
Color - Resin	Black
Durability (mating cycles max)	500
Glow-Wire Compliant	No
Guide to Mating Part	Yes
Keying to Mating Part	Yes
Lock to Mating Part	None
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	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.045 In
PCB Thickness Recommended (mm)	1.20 mm
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.050 In
Pitch - Mating Interface (mm)	1.27 mm
Pitch - Term. Interface (in)	0.050 In
Pitch - Term. Interface (mm)	1.27 mm
Plating min: Mating (µin)	2
Plating min: Mating (µm)	0.05
Plating min: Termination (µin)	50
Plating min: Termination (µm)	1.27
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Stackable	No
Temperature Range - Operating	-35°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	1.5A
Voltage - Maximum	15V DC

EU RoHS

ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status

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

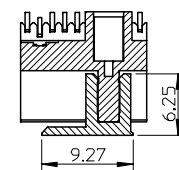
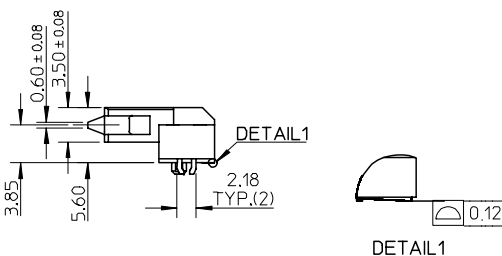
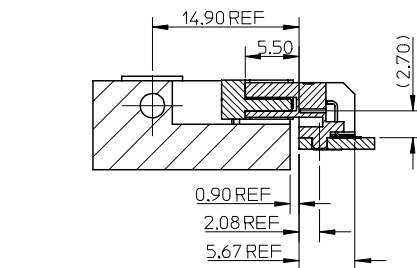
Material Info

Reference - Drawing Numbers

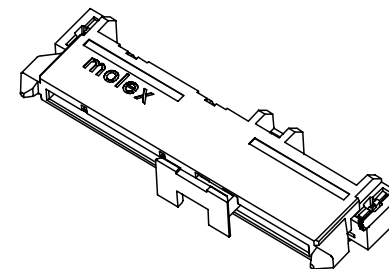
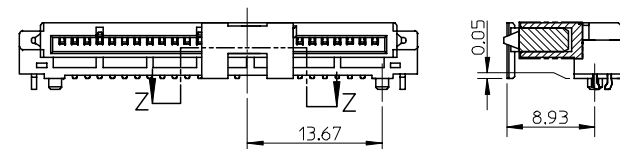
Packaging Specification	PK-67492-007
Sales Drawing	SD-67492-009

This document was generated on 05/31/2010

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SECTION Z-Z



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.

PACKAGING METHOD: TAPE REEL, DETAIL REFER TO
PK-67492-007.

6.MATING PARTS: 87703/87672.

P/N	PLATING	REMARK
67492-1830	NOTES 2 (A)	WITH CAP
67492-1831	NOTES 2 (B)	
67492-1832	NOTES 2 (C)	
67492-1820	NOTES 2 (A)	WITHOUT CAP
67492-1821	NOTES 2 (B)	
67492-1822	NOTES 2 (C)	

RTM	EC NO:	2006/02/08	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 2:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
	DRAWING ILLI	2006/02/28						DRAWN BY DATE	TITLE	SATA HOST RECEPTACLE R/A SMT TYPE -LEAD FREE-			
	CHKD:	2006/03/01						CHECKED BY DATE					
	APPR: GRMA							APPROVED BY DATE		MOLEX INCORPORATED			
	REV							MATERIAL NO.	DOCUMENT NO.				
								SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				