

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0674921327

Status:

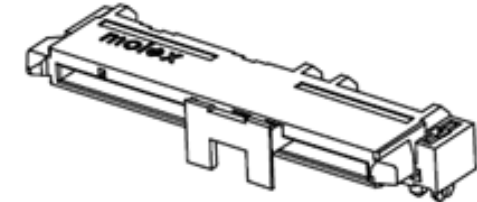
Active

Overview:

serial_ata_127_host_receptacles

Description:

1.27mm (.050") Pitch Serial ATA Host Receptacle, Right Angle, SMT, Mating Height 5.25mm (.207"), 0.38µm (15µ") Gold (Au) Plating, 22 Circuits, with Cap, Embossed Tape on Reel Packaging, Lead Free



Series

image - Reference only

Documents:	
3D Model	Product Specification PS-67492-001 (PDF)
Drawing (PDF)	RoHS Certificate of Compliance (PDF)

General	
Product Family	PCB Receptacles
Series	67492
Application	Board-to-Board
Comments	With Cap
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)	15
Plating min: Mating (µm)	0.38
Plating min: Termination (µin)	50
Plating min: Termination (µm)	1.27
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Robotic Placement	Pick and Place Cap
Stackable	No
Temperature Range - Operating	-35°C to +85°C
Termination Interface: Style	Surface Mount
Electrical	
Current - Maximum per Contact	1.5A

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

Voltage - Maximum

15V DC

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-67492-008

Product Specification

PS-67492-001

Sales Drawing

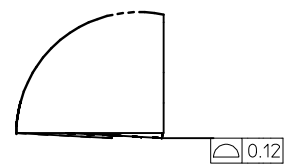
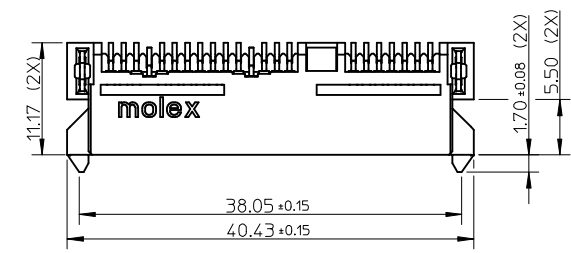
SD-67492-001

This document was generated on 05/31/2010

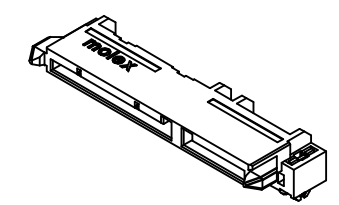
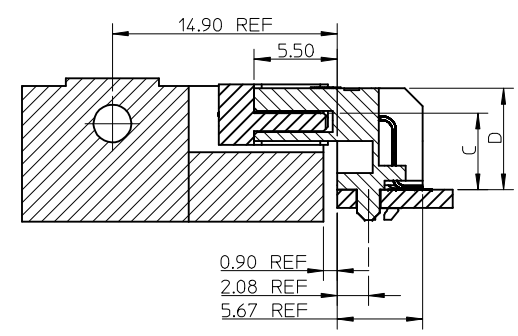
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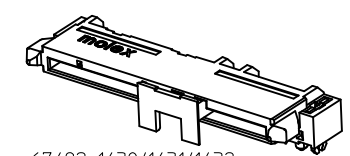
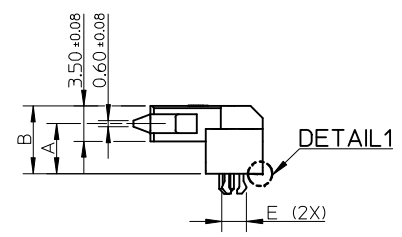
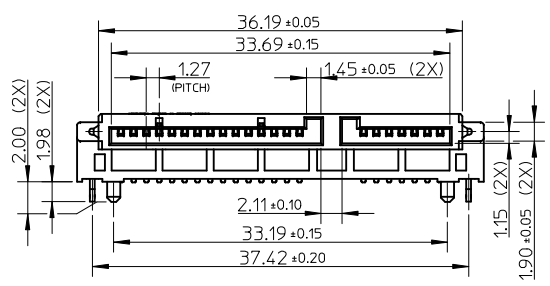
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DETAIL1

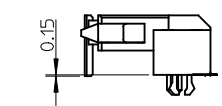
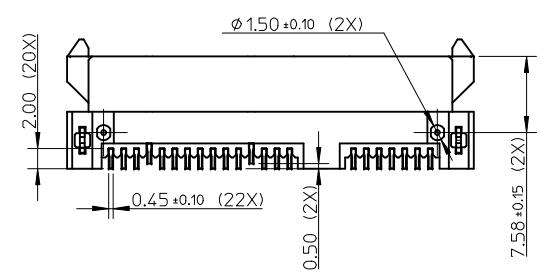


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67492-1430/1431/1432
/1325/1326/1327
/1440/1441/1442
/1224/1225/1226
/1450/1451/1452.

D



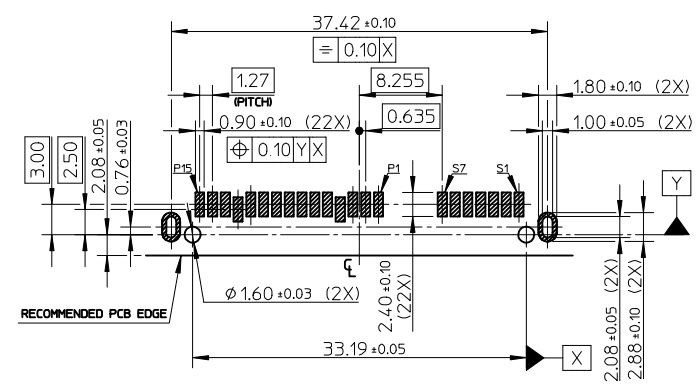
67492-1430/1431/1432
/1325/1326/1327
/1440/1441/1442
/1224/1225/1226
/1450/1451/1452.

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  =0		mm	INCH	DRAWN BY GRATE MA	DATE 2003/10/10	TITLE SATA HOST RECEPTACLE R/A SMT TYPE						
			4 PLACES	± ---	± ---	CHECKED BY YAJUN	DATE 2003/10/10							
			3 PLACES	± ---	± ---	APPROVED BY SAM	DATE 2003/10/10	MOLEX INCORPORATED DOCUMENT NO. SD-67492-001						
			2 PLACES	± 0.15	± ---	MATERIAL NO. SEE SHEET 2							SHEET NO. 1 OF 2	
			1 PLACE	± 0.25	± ---									
		ANGULAR ± 3 °		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										

F

E

D

C

B

A

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F	<table><tr><td>P/N</td><td>PLATING</td><td>DIM'A'</td><td>DIM'B'</td><td>DIM'C'</td><td>DIM'D'</td><td>DIM'E'</td><td>REMARK</td></tr><tr><td>67492-1420</td><td>NOTES 2 (A)</td><td rowspan="3">4.15</td><td rowspan="3">5.90</td><td rowspan="3">4.25</td><td rowspan="3">5.90</td><td rowspan="3">2.45±0.10</td><td rowspan="12">TRAY PACKAGE PK-67492-001</td></tr><tr><td>67492-1421</td><td>NOTES 2 (B)</td></tr><tr><td>67492-1422</td><td>NOTES 2 (C)</td></tr><tr><td>67492-1320</td><td>NOTES 2 (A)</td><td rowspan="3">3.50</td><td rowspan="3">5.25</td><td rowspan="3">3.60</td><td rowspan="3">5.25</td><td rowspan="3">2.45±0.10</td></tr><tr><td>67492-1321</td><td>NOTES 2 (B)</td></tr><tr><td>67492-1322</td><td>NOTES 2 (C)</td></tr><tr><td>67492-1120</td><td>NOTES 2 (A)</td><td rowspan="3">1.80</td><td rowspan="3">3.55</td><td rowspan="3">1.90</td><td rowspan="3">3.55</td><td rowspan="3">2.45±0.10</td></tr><tr><td>67492-1121</td><td>NOTES 2 (B)</td></tr><tr><td>67492-1122</td><td>NOTES 2 (C)</td></tr><tr><td>67492-9220</td><td>NOTES 2 (A)</td><td rowspan="3">4.99</td><td rowspan="3">6.74</td><td rowspan="3">5.09</td><td rowspan="3">6.74</td><td rowspan="3">2.45±0.10</td></tr><tr><td>67492-9221</td><td>NOTES 2 (B)</td></tr><tr><td>67492-9222</td><td>NOTES 2 (C)</td></tr><tr><td>67492-1220</td><td>NOTES 2 (A)</td><td rowspan="3">4.99</td><td rowspan="3">6.74</td><td rowspan="3">5.09</td><td rowspan="3">6.74</td><td rowspan="3">2.45±0.10</td><td rowspan="3">TAPE&REEL PACKAGE PK-67492-002</td></tr><tr><td>67492-1221</td><td>NOTES 2 (B)</td></tr><tr><td>67492-1222</td><td>NOTES 2 (C)</td></tr><tr><td>67492-1224</td><td>NOTES 2 (A)</td><td rowspan="3">4.99</td><td rowspan="3">6.74</td><td rowspan="3">5.09</td><td rowspan="3">6.74</td><td rowspan="3">2.33±0.05</td><td rowspan="3">TAPE&REEL PACKAGE WITH CAP PK-67492-002</td></tr><tr><td>67492-1225</td><td>NOTES 2 (B)</td></tr><tr><td>67492-1226</td><td>NOTES 2 (C)</td></tr><tr><td>67492-1430</td><td>NOTES 2 (A)</td><td rowspan="3">4.15</td><td rowspan="3">5.90</td><td rowspan="3">4.25</td><td rowspan="3">5.90</td><td rowspan="3">2.45±0.10</td><td rowspan="17">TAPE&REEL PACKAGE WITH CAP PK-67492-008</td></tr><tr><td>67492-1431</td><td>NOTES 2 (B)</td></tr><tr><td>67492-1432</td><td>NOTES 2 (C)</td></tr><tr><td>67492-1325</td><td>NOTES 2 (A)</td><td rowspan="3">3.50</td><td rowspan="3">5.25</td><td rowspan="3">3.60</td><td rowspan="3">5.25</td><td rowspan="3">2.45±0.10</td></tr><tr><td>67492-1326</td><td>NOTES 2 (B)</td></tr><tr><td>67492-1327</td><td>NOTES 2 (C)</td></tr><tr><td>67492-1440</td><td>NOTES 2 (B)</td><td rowspan="3">4.15</td><td rowspan="3">5.90</td><td rowspan="3">4.25</td><td rowspan="3">5.90</td><td rowspan="3">2.33±0.05</td></tr><tr><td>67492-1441</td><td>NOTES 2 (A)</td></tr><tr><td>67492-1442</td><td>NOTES 2 (C)</td></tr><tr><td>67492-1450</td><td>NOTES 2 (A)</td><td rowspan="3">4.10</td><td rowspan="3">5.85</td><td rowspan="3">4.20</td><td rowspan="3">5.85</td><td rowspan="3">2.33±0.05</td></tr><tr><td>67492-1451</td><td>NOTES 2 (B)</td></tr><tr><td>67492-1452</td><td>NOTES 2 (C)</td></tr></table>										P/N	PLATING	DIM'A'	DIM'B'	DIM'C'	DIM'D'	DIM'E'	REMARK	67492-1420	NOTES 2 (A)	4.15	5.90	4.25	5.90	2.45±0.10	TRAY PACKAGE PK-67492-001	67492-1421	NOTES 2 (B)	67492-1422	NOTES 2 (C)	67492-1320	NOTES 2 (A)	3.50	5.25	3.60	5.25	2.45±0.10	67492-1321	NOTES 2 (B)	67492-1322	NOTES 2 (C)	67492-1120	NOTES 2 (A)	1.80	3.55	1.90	3.55	2.45±0.10	67492-1121	NOTES 2 (B)	67492-1122	NOTES 2 (C)	67492-9220	NOTES 2 (A)	4.99	6.74	5.09	6.74	2.45±0.10	67492-9221	NOTES 2 (B)	67492-9222	NOTES 2 (C)	67492-1220	NOTES 2 (A)	4.99	6.74	5.09	6.74	2.45±0.10	TAPE&REEL PACKAGE PK-67492-002	67492-1221	NOTES 2 (B)	67492-1222	NOTES 2 (C)	67492-1224	NOTES 2 (A)	4.99	6.74	5.09	6.74	2.33±0.05	TAPE&REEL PACKAGE WITH CAP PK-67492-002	67492-1225	NOTES 2 (B)	67492-1226	NOTES 2 (C)	67492-1430	NOTES 2 (A)	4.15	5.90	4.25	5.90	2.45±0.10	TAPE&REEL PACKAGE WITH CAP PK-67492-008	67492-1431	NOTES 2 (B)	67492-1432	NOTES 2 (C)	67492-1325	NOTES 2 (A)	3.50	5.25	3.60	5.25	2.45±0.10	67492-1326	NOTES 2 (B)	67492-1327	NOTES 2 (C)	67492-1440	NOTES 2 (B)	4.15	5.90	4.25	5.90	2.33±0.05	67492-1441	NOTES 2 (A)	67492-1442	NOTES 2 (C)	67492-1450	NOTES 2 (A)	4.10	5.85	4.20	5.85	2.33±0.05	67492-1451	NOTES 2 (B)	67492-1452	NOTES 2 (C)	F
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Данный компонент на территории Российской Федерации

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Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

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