

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0674921225

Status:

Active

Overview:

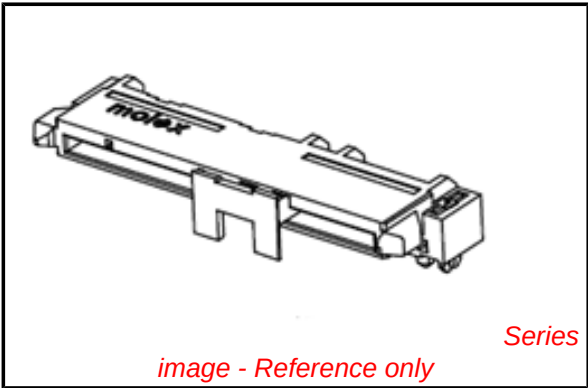
serial_ata_127_host_receptacles

Description:

1.27mm (.050") Pitch Serial ATA Host Receptacle, Right Angle, SMT, Mating Height 6.74mm (.265"), 0.76µm (30µ") Gold (Au) Plating, Tape on Reel Packaging, 22 Circuits, Lead Free

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)	30
Plating min: Mating (µm)	0.76
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

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

Material Info

Reference - Drawing Numbers

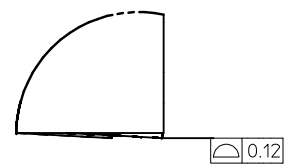
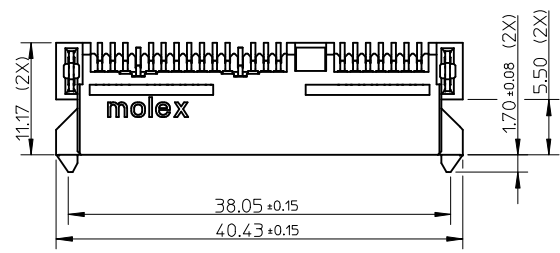
Packaging Specification	PK-67492-002
Product Specification	PS-67492-001
Sales Drawing	SD-67492-001

This document was generated on 05/31/2010

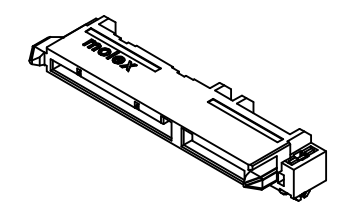
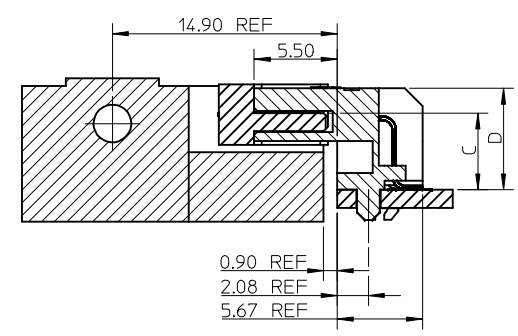
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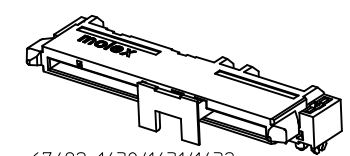
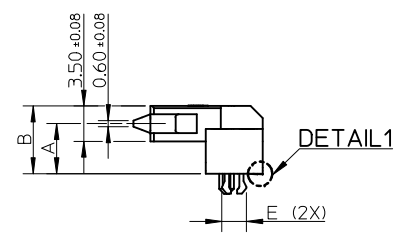
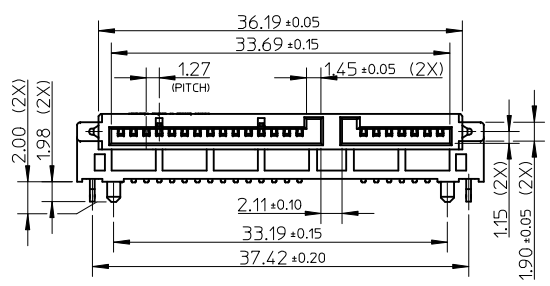
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DETAIL1

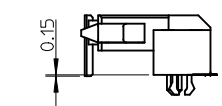
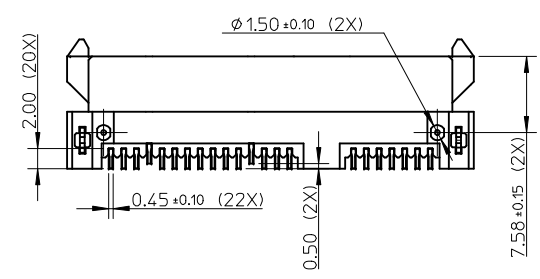


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67492-1430/1431/1432
/1325/1326/1327
/1440/1441/1442
/1224/1225/1226
/1450/1451/1452.

D



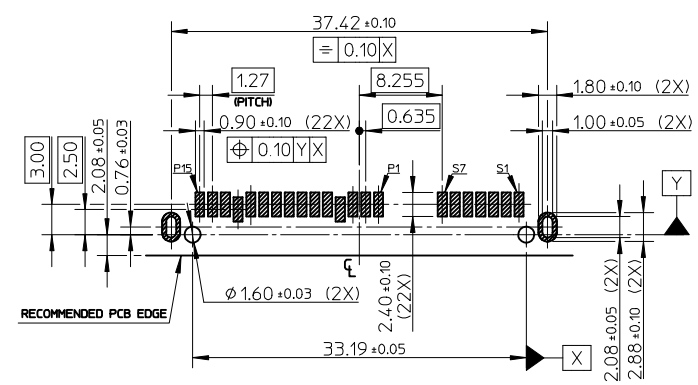
67492-1430/1431/1432
/1325/1326/1327
/1440/1441/1442
/1224/1225/1226
/1450/1451/1452.

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: 2009/07/29 DRWN:XQZHANG CHKD:GLI APPR:XJ.SONG REV		DESCRIPTION 2009/08/07 2009/09/03	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY GRATE MA	DATE 2003/10/10	TITLE SATA HOST RECEPTACLE R/A SMT TYPE			
K		REV		4 PLACES	± ---	± ---	CHECKED BY YA JUN	DATE 2003/10/10				
				3 PLACES	± ---	± ---						
				2 PLACES	± 0.15	± ---						
				1 PLACE	± 0.25	± ---	APPROVED BY SAM	DATE 2003/10/10	DOCUMENT NO. SD-67492-001			
		ANGULAR ± 3 °		MATERIAL NO. SEE SHEET 2		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		
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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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A	<table><tr><td rowspan="7">ADD PART NUMBER EC NO: K</td><td rowspan="7">2009/07/29 DRWN:XQZHANG CHKD:GLI APPR:XJSONG</td><td rowspan="7">DESCRIPTION REV</td><td rowspan="7">QUALITY SYMBOLS ▽=0 ◻=0</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE MM ONLY</td><td>SCALE 1:1</td><td>DESIGN UNITS METRIC</td><td rowspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td></td><td></td><td>DRAWN BY GRATE MA</td><td>DATE 2003/10/10</td><td colspan="2" rowspan="2">TITLE SATA HOST RECEPTACLE R/A SMT TYPE</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td><td>CHECKED BY YAJUN</td><td>DATE 2003/10/10</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td><td>APPROVED BY SAM</td><td>DATE 2003/10/10</td><td rowspan="2">MOLEX INCORPORATED</td></tr><tr><td>2 PLACES</td><td>± 0.15</td><td>± ---</td><td>MATERIAL NO.</td><td>DOCUMENT NO.</td><td rowspan="2">SHEET NO. 2 OF 2</td></tr><tr><td>1 PLACE</td><td>± 0.25</td><td>± ---</td><td colspan="2">SEE TABLE</td><td rowspan="2">SD-67492-001</td></tr><tr><td colspan="4">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td>SIZE A3</td><td colspan="2">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>										ADD PART NUMBER EC NO: K	2009/07/29 DRWN:XQZHANG CHKD:GLI APPR:XJSONG	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			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	2 PLACES	± 0.15	± ---	MATERIAL NO.	DOCUMENT NO.	SHEET NO. 2 OF 2	1 PLACE	± 0.25	± ---	SEE TABLE		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		A																																																																											
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