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Part Number:

0674929221

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, Tray Packaging, 22 Circuits, Lead Free

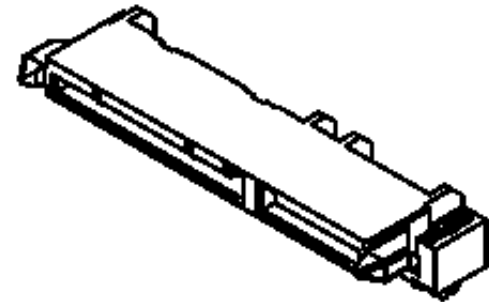


image - Reference only

Series

Documents:

- [3D Model](#)
- [Drawing \(PDF\)](#)
- [Product Specification PS-67492-001 \(PDF\)](#)
- [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	Tray
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

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

Solder Process Data

Lead-free Process Capability	Reflow Capable (SMT only)
Process Temperature max. C	230

Material Info

Reference - Drawing Numbers

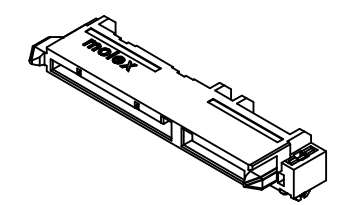
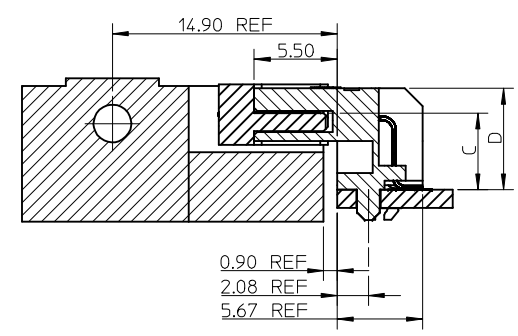
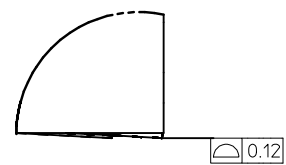
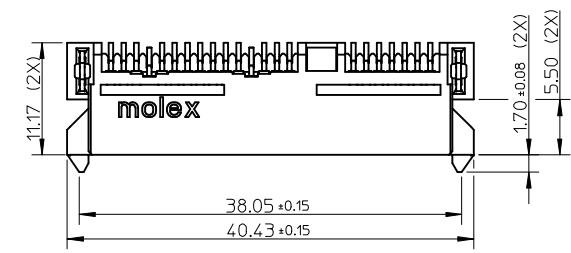
Packaging Specification	PK-67492-001
Product Specification	PS-67492-001
Sales Drawing	SD-67492-001

This document was generated on 05/31/2010

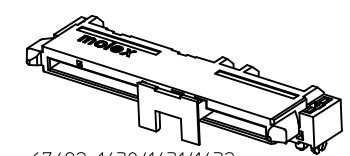
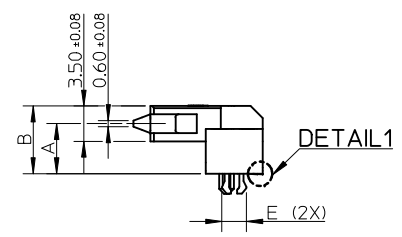
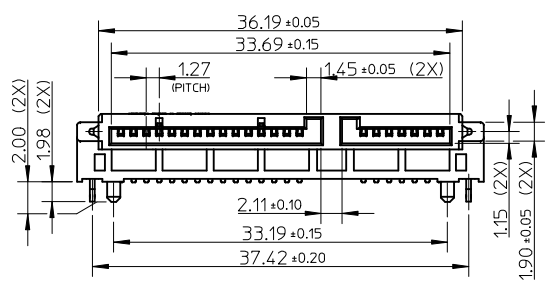
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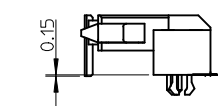
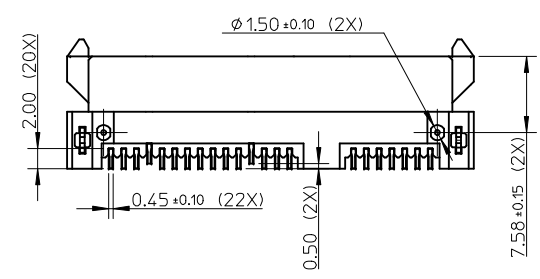


E



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

D



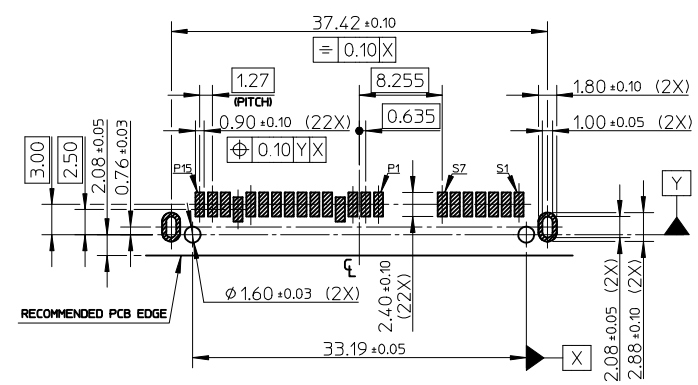
67492-1430/1431/1432
/1325/1326/1327
/1440/1441/1442
/1224/1225/1226
/1450/1451/1452.

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



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

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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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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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