

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0674913010](#)  
**Status:** **Active**  
**Overview:** [serial\\_ata\\_products](#)  
**Description:** 1.27mm (.050") Pitch Serial ATA High Speed Header, Through Hole, Vertical, 7 Circuits, Gold (Au) Flash, with 3.00mm (.118") PC Tail Length, Black Housing, Lead-free

**Documents:**

[3D Model](#) [Product Specification PS-67491-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

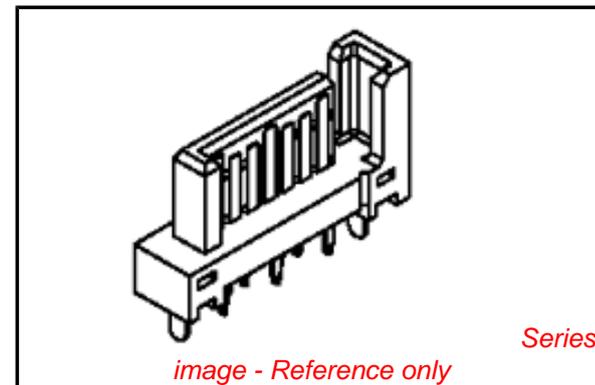
Product Family	PCB Headers
Series	<a href="#">67491</a>
Application	Board-to-Board, Wire-to-Board
Overview	<a href="#">serial_ata_products</a>
Product Name	Serial ATA

**Physical**

Breakaway	No
Circuits (Loaded)	7
Color - Resin	Black
Durability (mating cycles max)	50
First Mate / Last Break	Yes
Glow-Wire Compliant	No
Guide to Mating Part	No
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Plating Mating	Gold
Material - Plating Termination	Tin
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.118 In
PC Tail Length (mm)	3.00 mm
PCB Locator	Yes
PCB Retention	Yes
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)	2
Plating min: Mating (µm)	0.05
Plating min: Termination (µin)	50.8
Plating min: Termination (µm)	1.27
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Shrouded	No
Stackable	No
Surface Mount Compatible (SMC)	No
Temperature Range - Operating	-35°C to +85°C
Termination Interface: Style	Through Hole

**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](mailto: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**

[67491Series](#)

**Mates With**

Serial ATA Signal Connector [67489](#) , [88755](#)

**Material Info**

**Reference - Drawing Numbers**

Product Specification

PS-67491-001

Sales Drawing

SD-67491-001

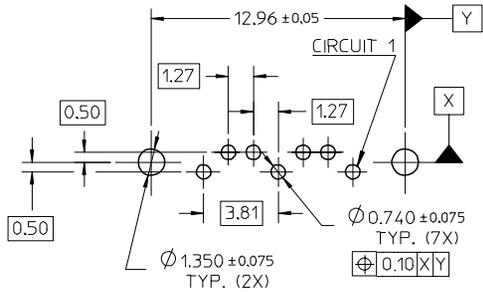
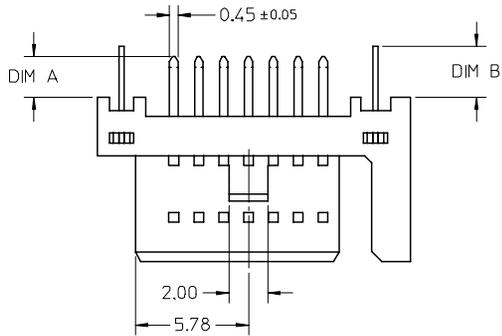
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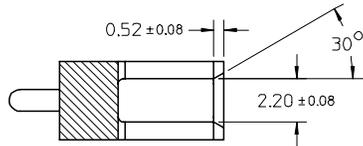
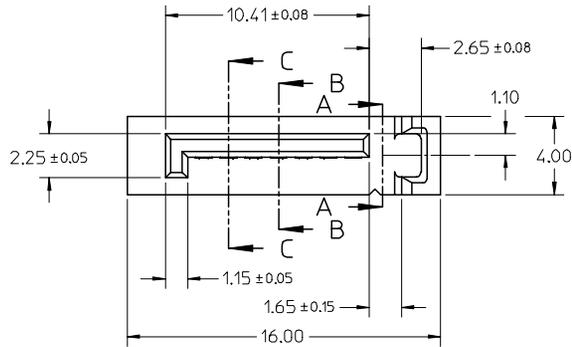
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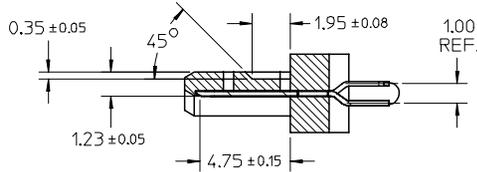


RECOMMENDED P.C.B. LAYOUT (T=1.6mm/2.0mm/2.4mm)

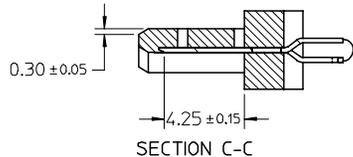
- NOTES:
- MATERIAL:  
HOUSING: THERMAL PLASTIC, UL94V-0, COLOR: SEE SHEET2  
TERMINAL/PEG: COPPER ALLOY, THICKNESS=0.25MM
  - TERMINAL PLATING:  
CONTACT AREA: (a) GOLD FLASH  
(b) 0.76 MICRON GOLD PLATED  
(c) 0.38 MICRON GOLD PLATED
  - SOLDER TAIL:  
1.27 MICRON MIN. MATTE TIN PLATED  
UNDER PLATE:  
1.27 MICRON MIN. NICKEL PLATED
  - PEG PLATING:  
1.27 MICRON MIN. MATTE TIN PLATED OVERALL  
1.27 MICRON MIN. NICKEL UNDER PLATED
  - PACKAGING SPECIFICATION REFER TO PK-67491-001
  - PRODUCT SPECIFICATION REFER TO PS-67491-001
  - MATING PART: 67489
  - RECOMMENDED PROCESS: WAVE SOLDERING



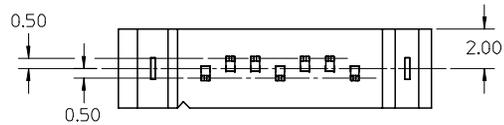
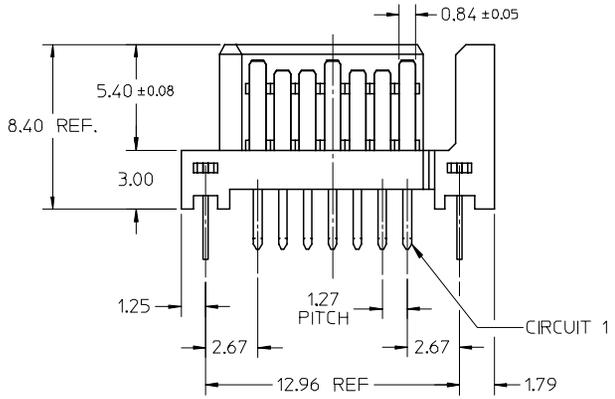
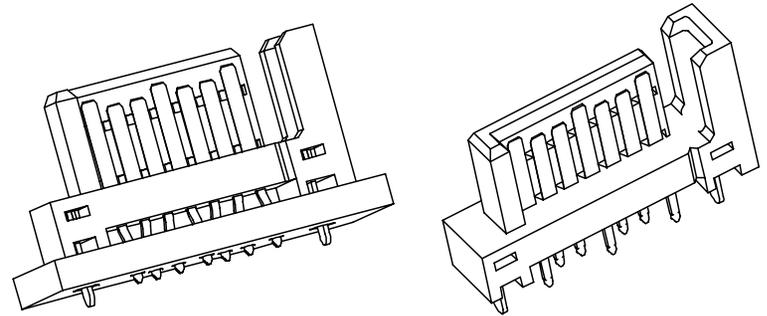
SECTION A-A



SECTION B-B



SECTION C-C



ADD PART NUMBER EC NO: SH2007-0895 DRWN: BCHENZ6 CHKD: JTIAN APPR: INCHEM 2007/06/15 2007/06/18 2007/06/22	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
		4 PLACES ± --- ± ---	3 PLACES ± --- ± ---	2 PLACES ± 0.15 ± ---	1 PLACE ± 0.25 ± ---	ANGLAR ± 3 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			
		DRAWN BY GRATE MA	DATE 2004/02/02	CHECKED BY YA JUN	DATE 2004/02/02	APPROVED BY SAM	DATE 2004/02/02	MOLEX INCORPORATED		SHEET NO. 1 OF 2	
		MATERIAL NO. SEE SHEET2		DOCUMENT NO. SD-67491-001		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

9 8 7 6 5 4 3 2 1

	10	9	8	7	6	5	4	3	2	1		
	P/N	PLATING TYPE	DIM "A"	DIM "B"	COLOR	SOLDE AREA PLATING						
F	67491-0020	SEE NOTE 2(a)	2.05	2.57	BLACK	PURE TIN MATTE FINISH	▽ G					
	67491-0021	SEE NOTE 2(b)										
	67491-0022	SEE NOTE 2(c)										
	67491-0025	SEE NOTE 2(a)										
	67491-0026	SEE NOTE 2(b)	2.35									
67491-0027	SEE NOTE 2(c)											
E	67491-2020	SEE NOTE 2(a)	2.05	3.20	BLUE PANTONE NO. 293C ΔE<3							
	67491-2021	SEE NOTE 2(b)										
	67491-2022	SEE NOTE 2(c)										
	67491-2025	SEE NOTE 2(a)	2.35									
	67491-2026	SEE NOTE 2(b)										
67491-2027	SEE NOTE 2(c)											
D	67491-3010	SEE NOTE 2(a)	3.00	3.20	BLACK							
	67491-3011	SEE NOTE 2(b)										
	67491-3012	SEE NOTE 2(c)										
	67491-3110	SEE NOTE 2(a)	3.00									
	67491-3111	SEE NOTE 2(b)										
67491-3112	SEE NOTE 2(c)											

<b>ADD PART NUMBER</b> EC NO: SH2007-0895 DRWN: B. CHENZ6 CHKD: J. TIAN APPR: J. CHEN	2007/06/15 2007/06/18 2007/06/22	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
				4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 3 °	mm    INCH	DRAWN BY GRATE MA	DATE 2004/02/02	TITLE 1.27MM HIGH SPEED PLUG VERTICAL TYPE						
						CHECKED BY YA JUN	DATE 2004/02/02	MOLEX INCORPORATED						
						APPROVED BY SAM	DATE 2004/02/02	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-67491-001	SHEET NO. 2 OF 2			
						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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<http://moschip.ru/get-element>

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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.

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### 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)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

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