

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0674911030

Status:

Active

Overview:

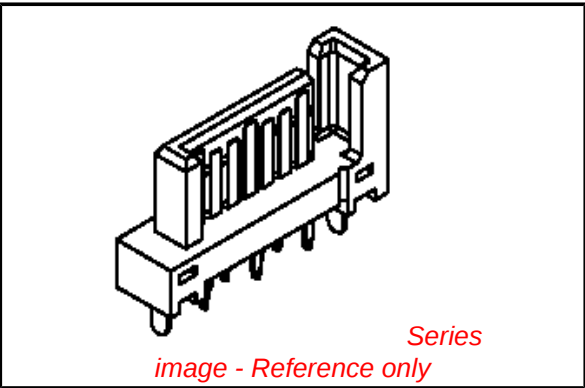
Serial ATA Products

Description:

1.27mm (.050") Pitch Serial ATA High Speed Header, Through Hole, Vertical, 7 Circuits, Gold (Au) Flash, with 2.05mm (.081") PC Tail Length, for 1.60mm (.063") PCB, 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	67491
Application	Board-to-Board, Wire-to-Board
Overview	Serial ATA Products
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
Material - Resin	Polyester
Number of Rows	1
Orientation	Vertical
PC Tail Length (in)	0.081 In
PC Tail Length (mm)	2.05 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.062 In
PCB Thickness Recommended (mm)	1.60 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)	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



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Halogen-Free

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

67491Series

Mates With

Serial ATA Signal Connector 67489 , 88755

Electrical

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

Material Info

Reference - Drawing Numbers

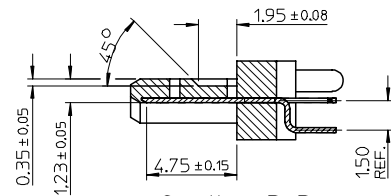
Product Specification	PS-67491-001
Sales Drawing	SD-67491-002

This document was generated on 04/07/2010

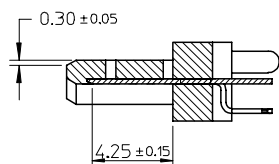
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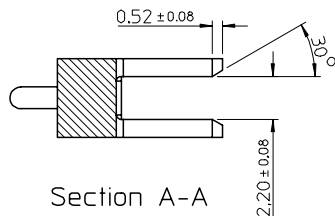
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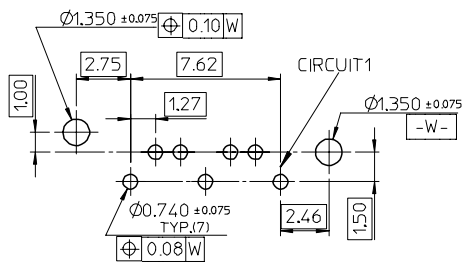
Section B-B



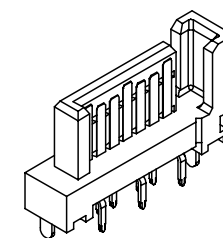
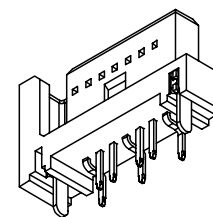
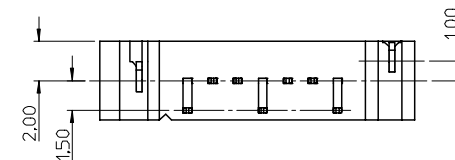
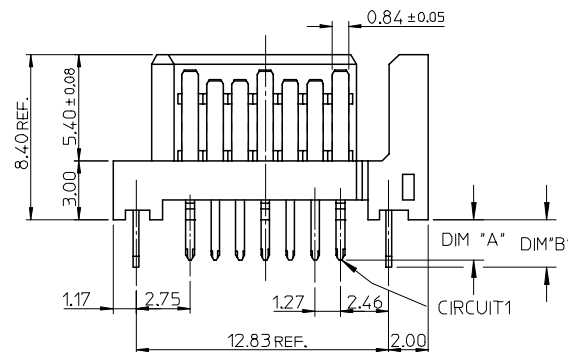
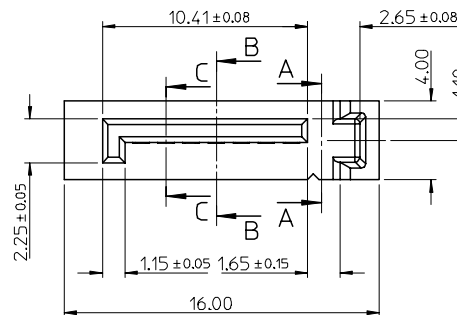
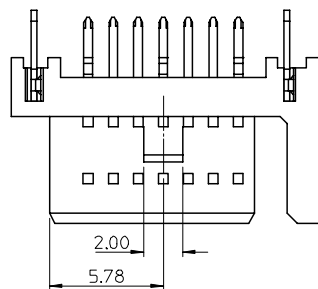
Section C-C



Section A-A



RECOMMENDED P.C.B. LAYOUT t=1.6mm OR 2.0mm



NOTES:

1. MATERIAL:
HOUSING: SEE TABLE, UL94V-0, COLOR: BLACK OR BULE (SEE P/N TABLE)
TERMINAL/PEG: COPPER ALLOY
2. TERMINAL PLATING :
CONTACT AREA: GOLD PLATED
SOLDER TAIL: 1.27 MICRON MIN. TIN PLATED
UNDER PLATE: 1.27 MICRON MIN. NICKEL PLATED
3. PEG PLATING:
1.27 MICRON MIN. TIN PLATED
OVERALL 1.27 MICRON MIN. NICKEL UNDER PLATED
4. PACKAGING SPECIFICATION REFER TO PK-67491-001
5. PRODUCT SPECIFICATION REFER TO PS-67491-001
6. MATING PART: 67489
7. RECOMMENDED PROCESS: WAVE SOLDERING
8. PRODUCT COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC"

B

A

F

E

D

C

B

A

ADD PART NUMBER EC NO: SH2007-0134 DRWN: B. CHEN CHKD: J. TAN APPR: J. CHEN	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION				
			4 PLACES	mm	INCH	DRAWN BY	DATE	1.27MM HIGH SPEED SERIAL PLUG VERTICAL TYPE					
				± ---	± ---	RICHARD	'01/06/21						
				3 PLACES	± ---	± ---	CHECKED BY						DATE
				2 PLACES	± 0.15	± ---	VINCENT						'01/06/21
				1 PLACE	± 0.25	± ---	APPROVED BY						DATE
			ANGULAR ± 3 °		ERIC		'01/06/21	MOLEX INCORPORATED					
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO.		DOCUMENT NO.				SHEET NO.		
					SEE SHEET 2		SD-67491-002				1 OF 2		
					SIZE A3		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	CONTACT PLATING TYPE	"A"	"B"	PCB THICKNESS	SOLDERING PLATE	COLOR	PLASTIC TYPE				
F	67491-1030	GOLD FLASH	2.05	2.40	1.60	PURE TIN	BLACK	THERMAL PLASTIC				
	67491-1031	0.76 MICRON GOLD PLATED										
	67491-1032	0.38 MICRON GOLD PLATED										
	67491-1035	GOLD FLASH	2.35	2.40	2.00							
	67491-1036	0.76 MICRON GOLD PLATED										
	67491-1037	0.38 MICRON GOLD PLATED										
	67491-1038	GOLD FLASH	3.00	3.20	2.40							
E	67491-1039	0.76 MICRON GOLD PLATED										
	67491-1040	0.38 MICRON GOLD PLATED										
	67491-2030	GOLD FLASH	2.05	2.40	1.60		BLUE PENTONE NO.293C ΔE<3					THERMAL PLASTIC
	67491-2031	0.76 MICRON GOLD PLATED										
	67491-2032	0.38 MICRON GOLD PLATED										
	67491-2035	GOLD FLASH	2.35	2.40	2.00							
D	67491-2036	0.76 MICRON GOLD PLATED										
	67491-2037	0.38 MICRON GOLD PLATED										
	67491-2038	GOLD FLASH	3.00	3.20	2.40							
	67491-2039	0.76 MICRON GOLD PLATED										
	67491-2040	0.38 MICRON GOLD PLATED										
	67491-1130	GOLD FLASH	2.05	2.40	1.60		BLACK	HIGH TEMPERATURE THERMAL PLASTIC				
	67491-1131	0.76 MICRON GOLD PLATED										
	67491-1132	0.38 MICRON GOLD PLATED										
C	67491-1135	GOLD FLASH	2.35	2.40	2.00							
	67491-1136	0.76 MICRON GOLD PLATED										
	67491-1137	0.38 MICRON GOLD PLATED										
	67491-1138	GOLD FLASH	3.00	3.20	2.40							
	67491-1139	0.76 MICRON GOLD PLATED										
	67491-1140	0.38 MICRON GOLD PLATED										
B											B	
A											A	
ADD PART NUMBER EC NO: SH2007-0134 TJ:DRWN:8CHEN26 CHKD:JTIAN APPR:JNCHEN 2006/09/01 2006/09/01 2006/09/08 QUALITY SYMBOLS ▽=0 ▽=0 DESCRIPTION REV GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.15 ± --- 1 PLACE ± 0.25 ± --- ANGULAR ± 3 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE MM ONLY DRAWN BY RICHARD CHECKED BY VINCENT APPROVED BY ERIC MATERIAL NO. SIZE A3 DATE '01/06/21 DATE '01/06/21 DATE '01/06/21 TITLE 1.27MM HIGH SPEED SERIAL PLUG VERTICAL TYPE MOLEX INCORPORATED DOCUMENT NO. SD-67491-002 SHEET NO. 2 OF 2 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
tb_frame_A3_P_AM_T Rev. D 2004/06/28	9	8	7	6	5	4	3	2	1			