

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0674911040

Status:

Active

Overview:

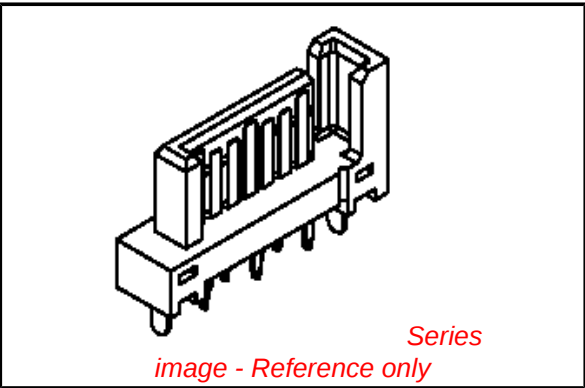
Serial ATA Products

Description:

1.27mm (.050") Pitch Serial ATA High Speed Header, Thermoplastic, Through Hole, Vertical, 7 Circuits, 0.38µm (15µ") Gold (Au) Selective Plating, with 3.00mm (.118") PC Tail Length, for 2.40mm (.094") PCB, 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)	0.118 In
PC Tail Length (mm)	3.00 mm
PCB Locator	Yes
PCB Retention	Yes
PCB Thickness Recommended (in)	0.093 In
PCB Thickness Recommended (mm)	2.40 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)	15
Plating min: Mating (µm)	0.38
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

Solder Process Data

Lead-free Process Capability	Wave Capable (TH only)
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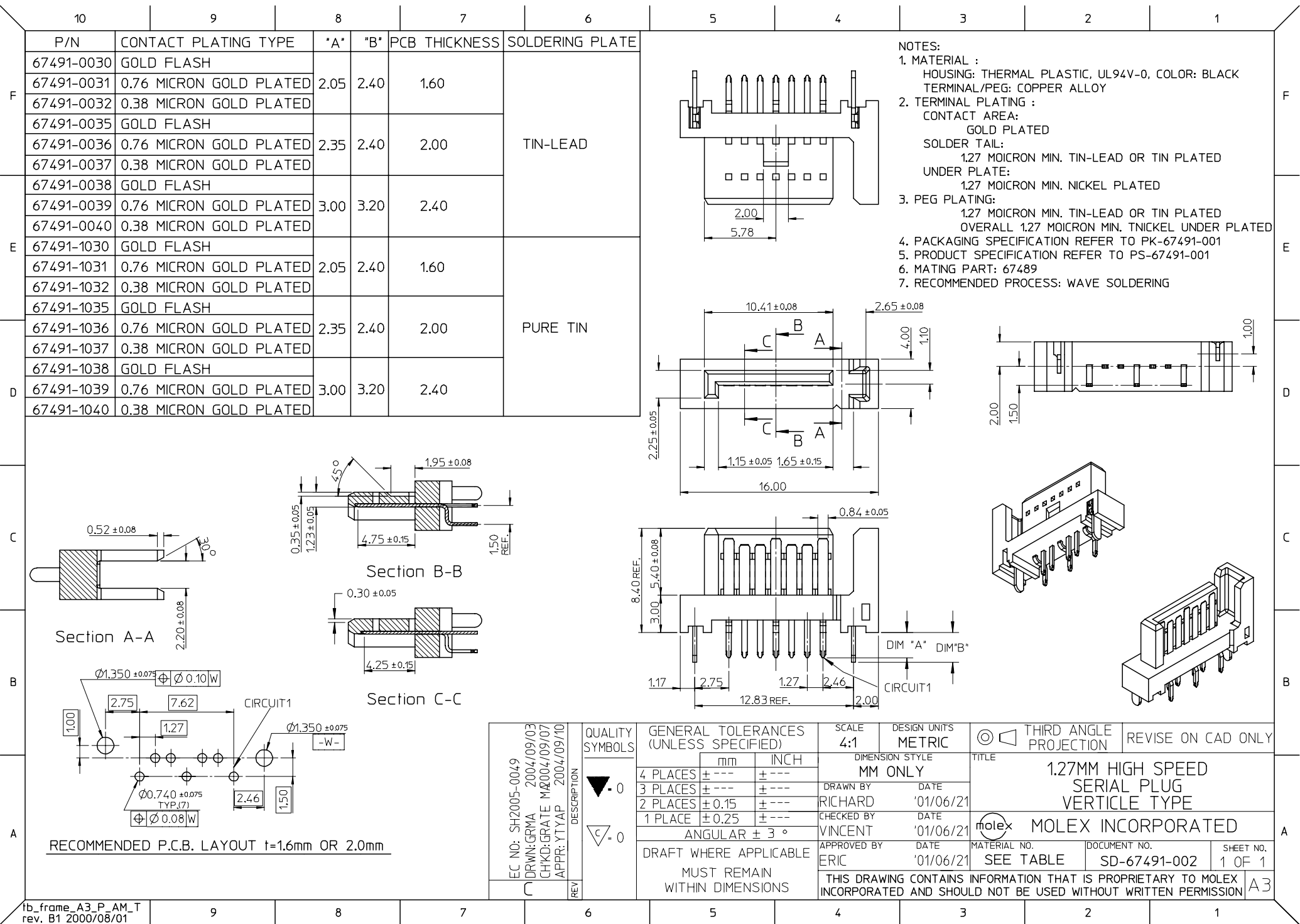
Material Info

Reference - Drawing Numbers

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

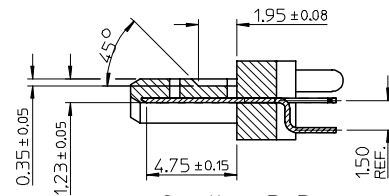
This document was generated on 04/21/2010

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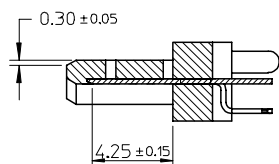


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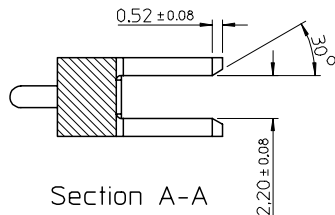
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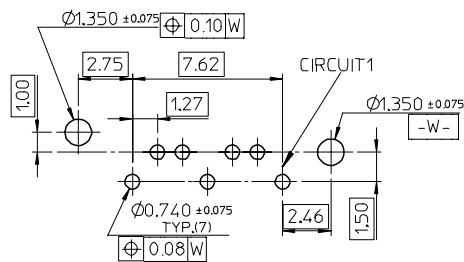
Section B-B



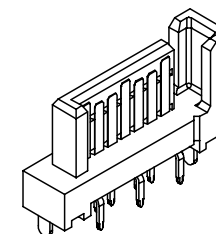
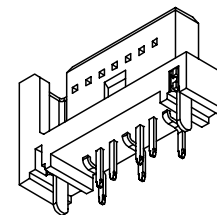
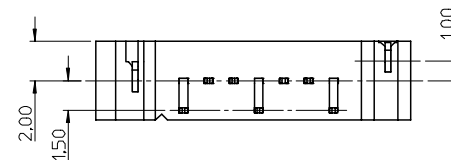
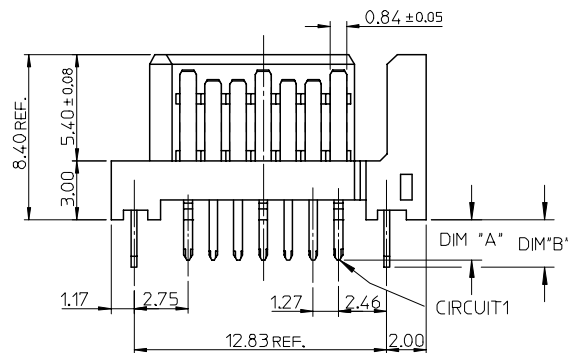
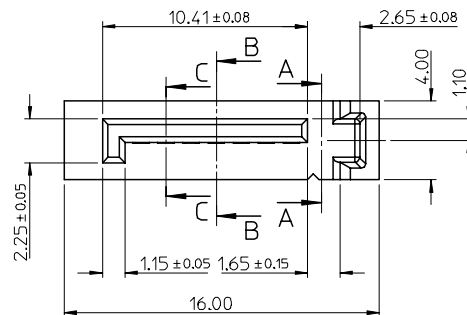
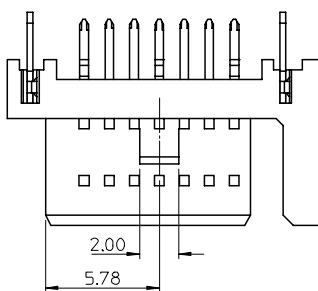
Section C-C



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	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION 2006/09/01 2006/09/01 2006/09/01 2006/09/08	REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
					mm	INCH	DRAWN BY RICHARD	DATE '01/06/21	TITLE 1.27MM HIGH SPEED SERIAL PLUG VERTICAL TYPE			
				4 PLACES	± ---	± ---	CHECKED BY VINCENT	DATE '01/06/21				
				3 PLACES	± ---	± ---	APPROVED BY ERIC	DATE '01/06/21	MOLEX INCORPORATED			
				2 PLACES	± 0.15	± ---	MATERIAL NO. SEE SHEET2	DOCUMENT NO. SD-67491-002				
				1 PLACE	± 0.25	± ---	SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
				ANGULAR ± 3 °								
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								

9 8 7 6 5 4 3 2 1

[illegible]