

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0674910020

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, Lead-free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-67491-001 (PDF)

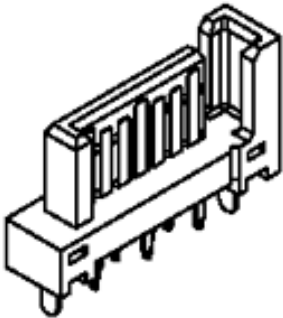
RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	67491
Application	Board-to-Board, Wire-to-Board
MolexKits	Yes
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



Series

image - Reference only

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

67491Series

Mates With

Serial ATA Signal Connector 67489 , 88755

Electrical

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

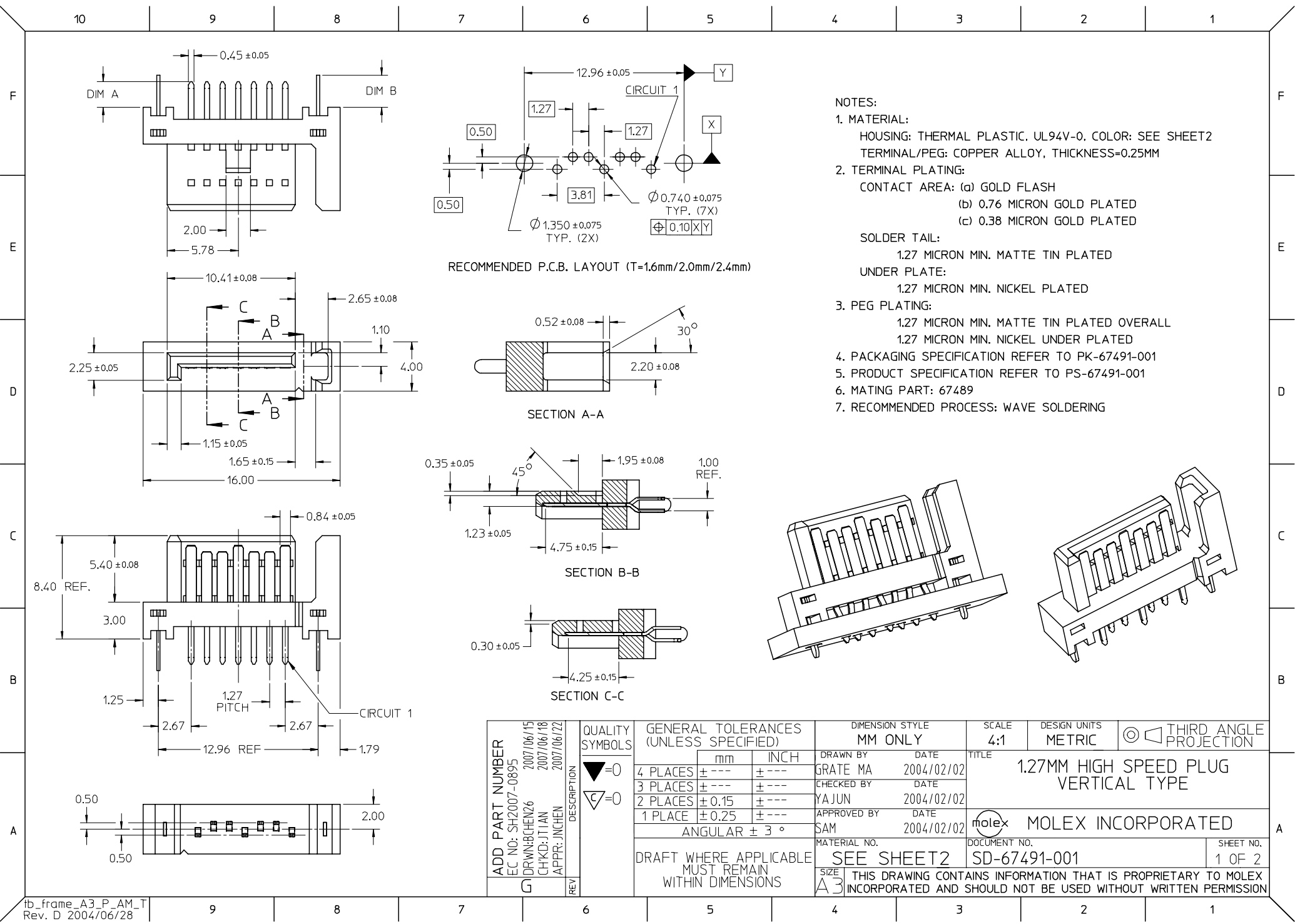
Material Info

Reference - Drawing Numbers

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

This document was generated on 06/07/2010

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NOTES:

1. MATERIAL:

HOUSING: THERMAL PLASTIC, UL94V-0, COLOR: SEE SHEET2
TERMINAL/PEG: COPPER ALLOY, THICKNESS=0.25MM

2. 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

3. PEG PLATING:

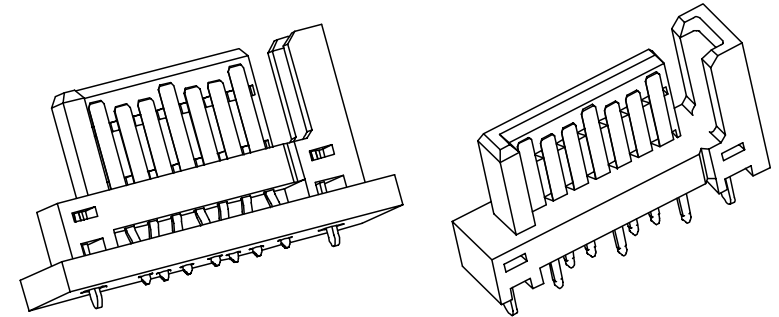
1.27 MICRON MIN. MATTE TIN PLATED OVERALL
1.27 MICRON MIN. NICKEL UNDER PLATED

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



ADD PART NUMBER		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: SH2007-0895		DRAWN: CHEN26		mm		MM ONLY		4:1		METRIC		M	
2007/06/15		2007/06/18		± ---		DRAWN BY		DATE		TITLE		1.27MM HIGH SPEED PLUG	
CHKD: JTIAN		2007/06/18		± ---		CHECKED BY		DATE		DATE		VERTICAL TYPE	
APPR: INCHEM		2007/06/22		± 0.15		YA JUN		2004/02/02		DATE		MOLEX INCORPORATED	
				± 0.25		APPROVED BY		DATE		DATE			
				ANGULAR ± 3 °		SAM		2004/02/02		DOCUMENT NO.		SD-67491-001	
						MATERIAL NO.						SHEET NO.	
						SIZE		SEE SHEET2				1 OF 2	
						DRAFT WHERE APPLICABLE							
						MUST REMAIN WITHIN DIMENSIONS							

	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						F
	67491-0021	SEE NOTE 2(b)											
	67491-0022	SEE NOTE 2(c)											
	67491-0025	SEE NOTE 2(a)	2.35										
	67491-0026	SEE NOTE 2(b)											
	67491-0027	SEE NOTE 2(c)											
E	67491-2020	SEE NOTE 2(a)	2.05	3.20	BLUE PANTONE NO. 293C ΔE<3								E
	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						D		
	67491-3011	SEE NOTE 2(b)											
	67491-3012	SEE NOTE 2(c)											
	67491-3110	SEE NOTE 2(a)	3.00		BLUE PANTONE NO. 293C ΔE<3								
	67491-3111	SEE NOTE 2(b)											
	67491-3112	SEE NOTE 2(c)											
C											C		
B											B		
A											A		

ADD PART NUMBER

EC NO: SH2007-0895

DRWN: BCHENZ6 2007/06/15

CHKD: JTIAN 2007/06/18

APPR: JNCHEN 2007/06/22

REV

G

QUALITY SYMBOLS

▽=0

▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
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	DATE
GRATE MA	2004/02/02
CHECKED BY	DATE
YAJUN	2004/02/02
APPROVED BY	DATE
SAM	2004/02/02
MATERIAL NO.	

SEE TABLE

SCALE
4:1

DESIGN UNITS
METRIC

THIRD ANGLE
PROJECTION

1.27MM HIGH SPEED PLUG
VERTICAL TYPE

MOLEX INCORPORATED

DOCUMENT NO.
SD-67491-001

SHEET NO.
2 OF 2

SIZE
A3

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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Rev. D 2004/06/28

	9	8	7	6	5	4	3	2	1	
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