

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0674911030

Status:

Active

Overview:

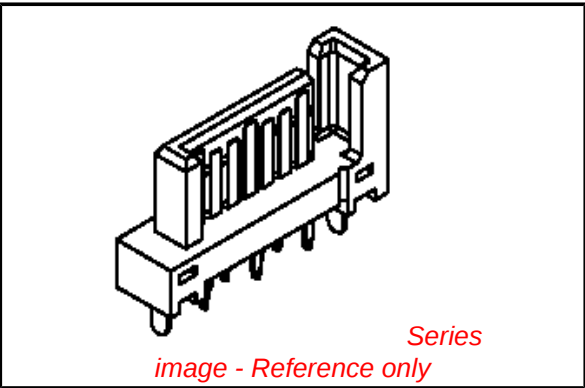
Serial ATA Products

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

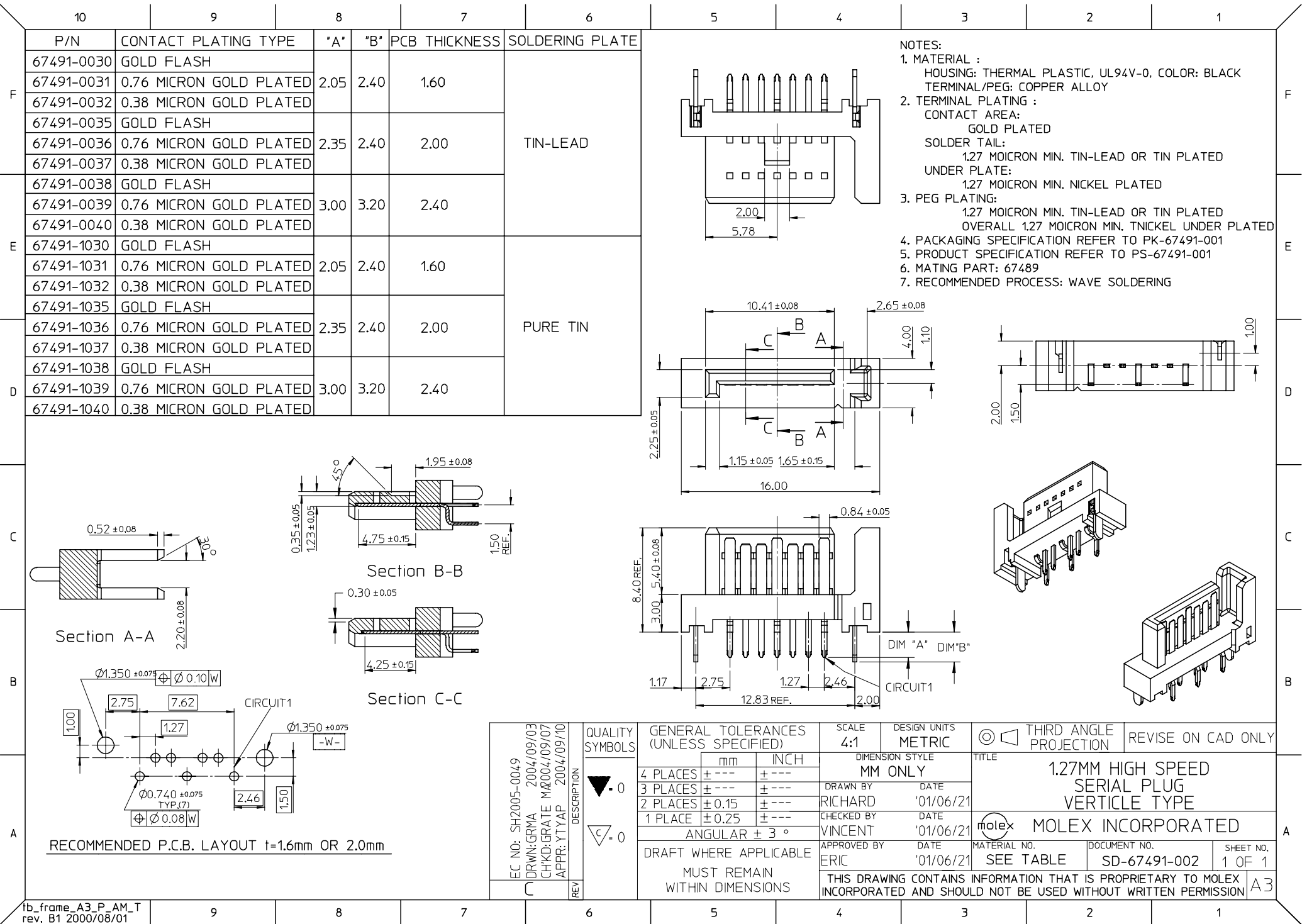
Material Info

Reference - Drawing Numbers

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

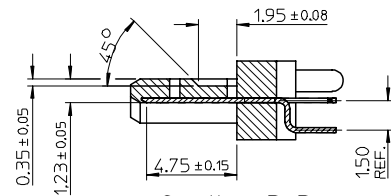
This document was generated on 04/07/2010

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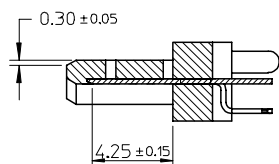


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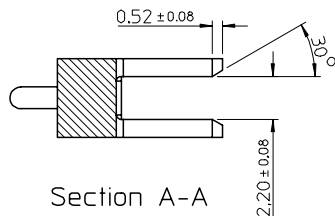
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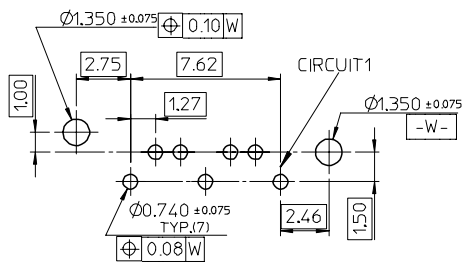
Section B-B



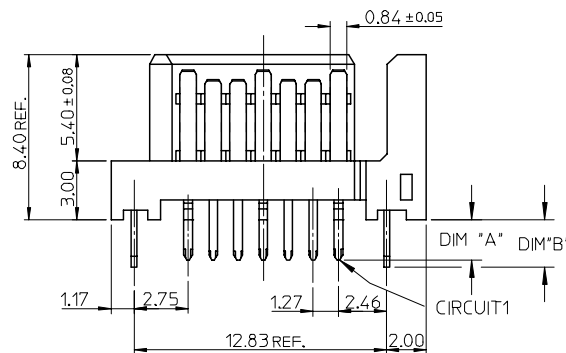
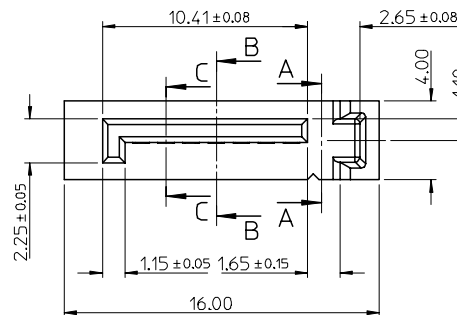
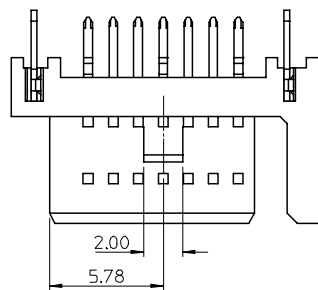
Section C-C



Section A-A

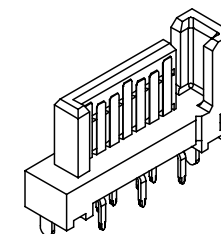
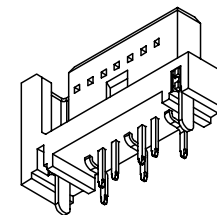
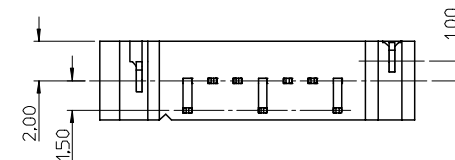


RECOMMENDED P.C.B. LAYOUT t=1.6mm OR 2.0mm



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

ADD PART NUMBER
EC NO: SH2007-0134
DRWN: B. CHEN26
CHKD: J. TAN
APPR: J. CHEN
DATE: 2006/09/01
DATE: 2006/09/08

QUALITY SYMBOLS
$\nabla = 0$
$\nabla = 0$

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	RICHARD
DATE	'01/06/21
CHECKED BY	VINCENT
DATE	'01/06/21
APPROVED BY	ERIC
DATE	'01/06/21
MATERIAL NO.	SEE SHEET2
SIZE	A3

SCALE	4:1
DESIGN UNITS	METRIC
THIRD ANGLE PROJECTION	
1.27MM HIGH SPEED SERIAL PLUG VERTICAL TYPE	
MOLEX INCORPORATED	
DOCUMENT NO.	SD-67491-002
SHEET NO.	1 OF 2

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													F																																									
	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																																																												
E	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																																																											
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D	67491-2038	GOLD FLASH	3.00	3.20	2.40																																						D																		
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	67491-2040	0.38 MICRON GOLD PLATED																																																											
	67491-1130	GOLD FLASH	2.05	2.40	1.60	BLACK	HIGH TEMPERATURE THERMAL PLASTIC																																																						
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	67491-1140	0.38 MICRON GOLD PLATED																																																											
B																				B																																									
A	ADD PART NUMBER EC NO: SH2007-0134 DRAWN: BENZ6 2006/09/01 CHKD: JIAN 2006/09/01 APPR: JINCHEN 2006/09/08 REV DESCRIPTION QUALITY SYMBOLS ▽=0 ▽=0 GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± 0.15</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± 0.25</td><td>± ---</td></tr><tr><td colspan="3">ANGULAR ± 3 °</td></tr></table> DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS DIMENSION STYLE MM ONLY <table><tr><td>DRAWN BY</td><td>DATE</td></tr><tr><td>RICHARD</td><td>'01/06/21</td></tr><tr><td>CHECKED BY</td><td>DATE</td></tr><tr><td>VINCENT</td><td>'01/06/21</td></tr><tr><td>APPROVED BY</td><td>DATE</td></tr><tr><td>ERIC</td><td>'01/06/21</td></tr></table> SCALE 4:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION TITLE 1.27MM HIGH SPEED SERIAL PLUG VERTICAL TYPE MATERIAL NO. SEE TABLE 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																				mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.15	± ---	1 PLACE	± 0.25	± ---	ANGULAR ± 3 °			DRAWN BY	DATE	RICHARD	'01/06/21	CHECKED BY	DATE	VINCENT	'01/06/21	APPROVED BY	DATE	ERIC	'01/06/21	A											
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tb_frame_A3_P_AM_T
Rev. D 2004/06/28

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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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Факс: 8 (812) 320-02-42

Электронная почта: org@eplast1.ru

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