

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: [0471518031](#)
Status: **Active**
Overview: [high_definition_multimedia_interface_hdmi](#)
Description: 0.50mm (.020") Pitch HDMI* Receptacle, Right Angle, Through Hole Shell Tab Length 2.20mm (.087") with Dimple, Contact 0.76µm (30µ") Gold (Au) Plating, with Back Cover, without Upper Flange, Tape and Reel Package, Lead Free

Documents:
[3D Model](#) [Product Specification PS-47152-001 \(PDF\)](#)
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	I/O Connectors
Series	47151
Application	Wire-to-Board
Component Type	Receptacle
Overview	high_definition_multimedia_interface_hdmi
Product Name	HDMI
Type	N/A

Physical	
Boot Color	N/A
Circuits (Loaded)	19
Color - Resin	Black
Gender	Male
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Bismuth
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Right Angle
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Panel Mount	Without Flange
Pitch - Mating Interface (in)	0.020 In
Pitch - Mating Interface (mm)	0.50 mm
Pitch - Term. Interface (in)	0.020 In
Pitch - Term. Interface (mm)	0.50 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.76
Plating min: Termination (µin)	40
Plating min: Termination (µm)	1
Polarized to Mating Part	Yes
Polarized to PCB	Yes
Ports	1
Temperature Range - Operating	-20°C to +85°C
Termination Interface: Style	Surface Mount
Waterproof / Dustproof	No
Wire Size AWG	N/A

Electrical	
Current - Maximum per Contact	.5A
Shielded	Yes

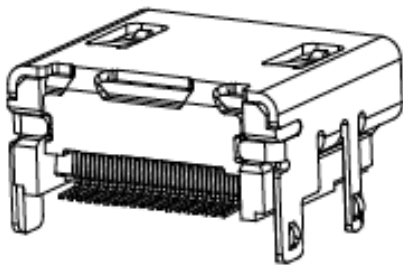


image - Reference only

Series

EU RoHS
ELV and RoHS
Compliant
REACH SVHC
Not Reviewed
Halogen-Free
Status
Not Reviewed

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
[47151Series](#)

Mates With
[88768](#) HDMI cable assembly, [88764](#) HDMI Adapter, [88767](#) HDMIAdapter

Voltage - Maximum

40V DC

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-47151-001

Product Specification

PS-47152-001

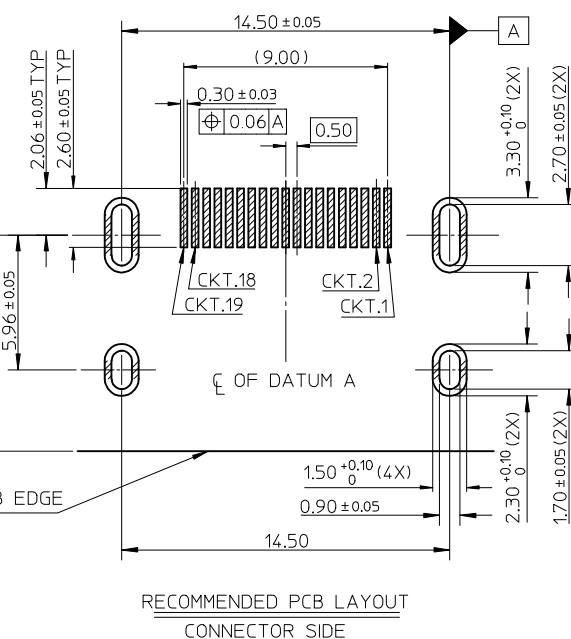
Sales Drawing

SD-47151-101

* High Definition Multimedia Interface and HDMI are trademarks of HDMI Licensing, LLC.

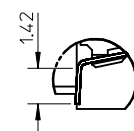
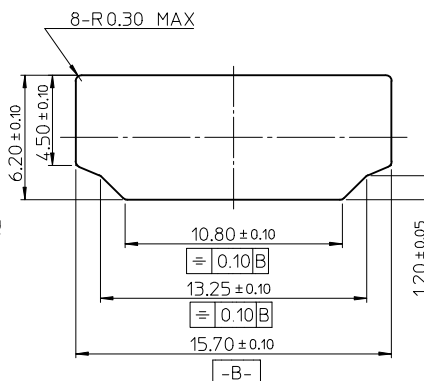
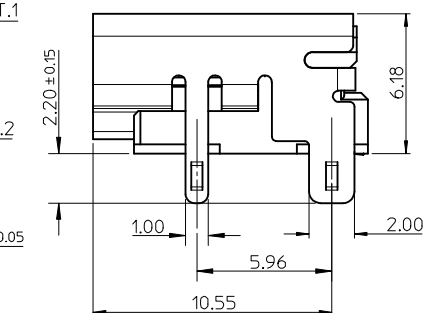
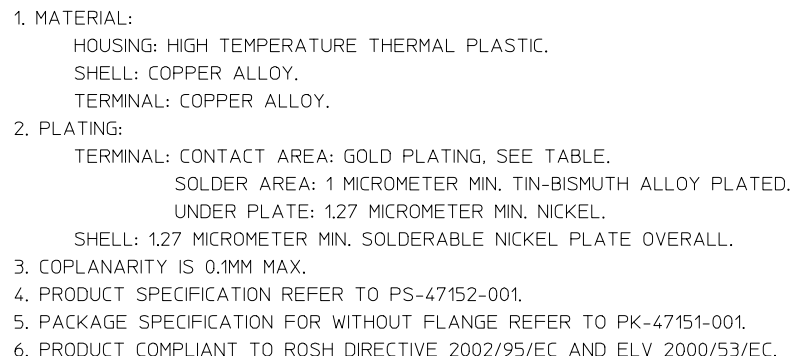
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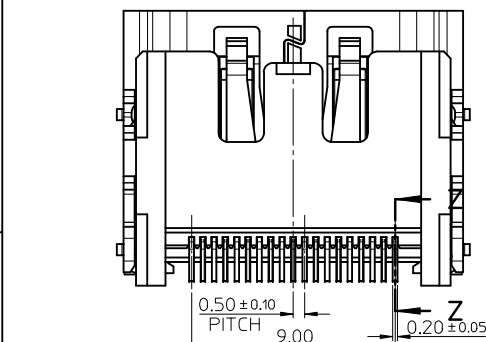
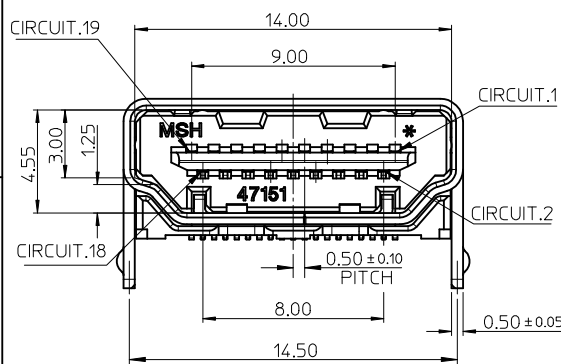


RECOMMENDED PCB LAYOUT

CONNECTOR SIDE



SECTION Z-Z



47151-8061	GOLD FLASH	WITHOUT	WITHOUT	WITH
47151-8041	0.25 MICROMETER MIN.			
47151-8001	0.76 MICROMETER MIN.			
PART NO.	CONTACT AREA PLATING	FLANGE	BACK COVER	DIMPLE

tb_frame_A3_P_AM_T
Rev. D 2004/06/28

REVISED	
EC NO: SH2009-0502	
DRWN: CWTANG	2009/01/23
CHKD: X JSONG	
APPR: HWWANG	2009/02/10
DESCRIPTION	

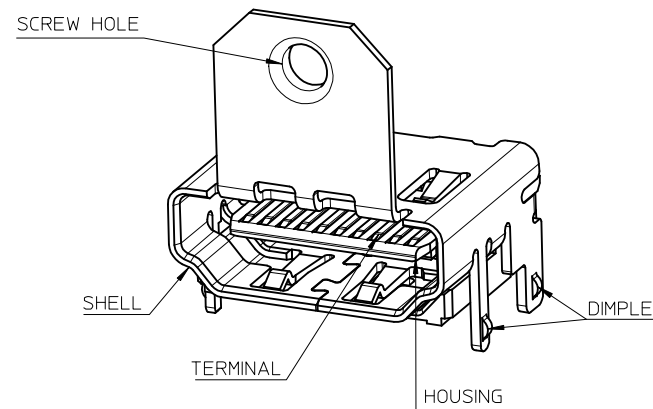
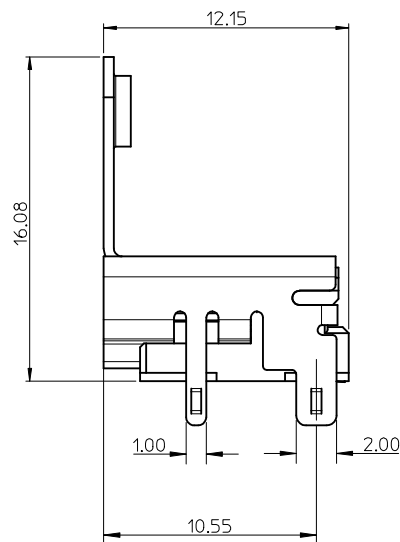
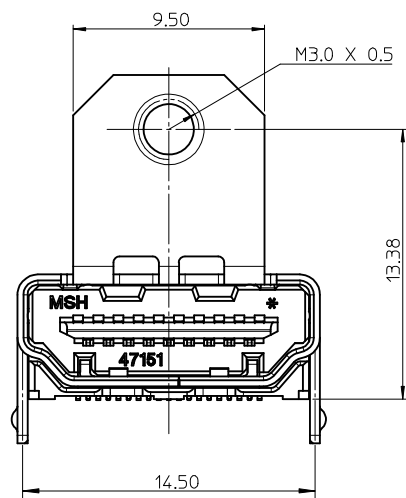
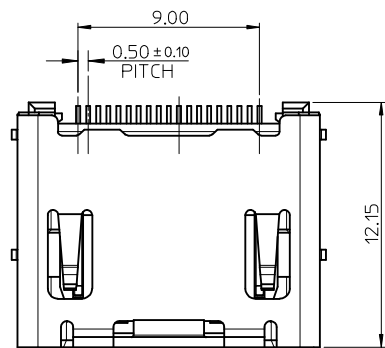
QUALITY SYMBOLS	
	=0
	=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± .---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± ---	± ---
ANGULAR ± 3 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

	DIMENSION STYLE	
	MM ONLY	
	DRAWN BY	DATE
	JZENG	2006/02/2
	CHECKED BY	DATE
	DIXON	2006/02/2
	APPROVED BY	DATE
	GRATE MA	2006/02/2
	MATERIAL NO.	
	SEE TABLE	
SIZE	THIS DRAWING CONT	
A3	INCORPORATED AND	

SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE 1.0 HDMI RIGHT ANGLE HEADER WITH DIMPLE TYPE LEAD FREE		
 MOLEX INCORPORATED		
DOCUMENT NO. SD-47151-101		SHEET NO. 1 OF 4

THIS INFORMATION THAT IS PROPRIETARY TO MOLEX
SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION



NOTES:

1. THE UNSPECIFIED DIMENSIONS REFER TO SHEET 1.
2. PACKAGE SPECIFICATION FOR WITH FLANGE REFER TO PK-47151-002.

47151-8071	GOLD FLASH	WITH	WITHOUT	WITH
47151-8051	0.25 MICROMETER MIN.			
47151-8011	0.76 MICROMETER MIN.			
PART NO.	CONTACT AREA PLATING	FLANGE	BACK COVER	DIMPLE

REVISED	EC NO: SH2009-0502	2009/01/23
DRWN: CWTANG	CHKD: XJSONG	2009/02/10
APPR: HWANG		

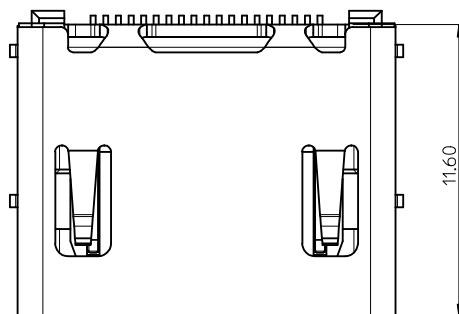
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1	QUALITY SYMBOLS
2	GENERAL TOLERANCES (UNLESS SPECIFIED)
3	DIMENSION STYLE
4	SCALE
5	DESIGN UNITS
6	THIRD ANGLE PROJECTION

mm	INCH
4 PLACES ± ---	± ---
3 PLACES ± ---	± ---
2 PLACES ± 0.25	± ---
1 PLACE ± ---	± ---
ANGULAR ± 3 °	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

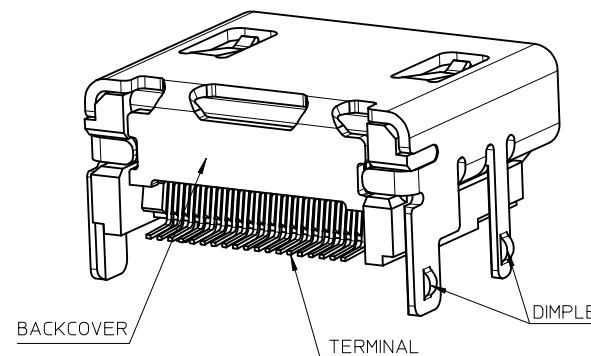
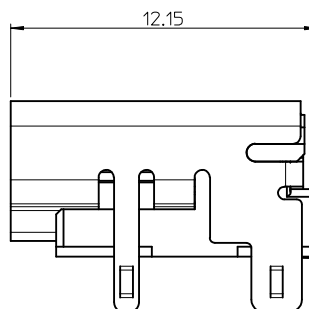
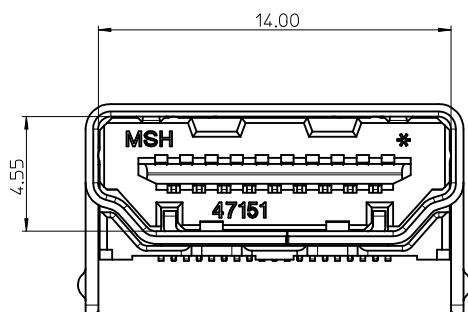
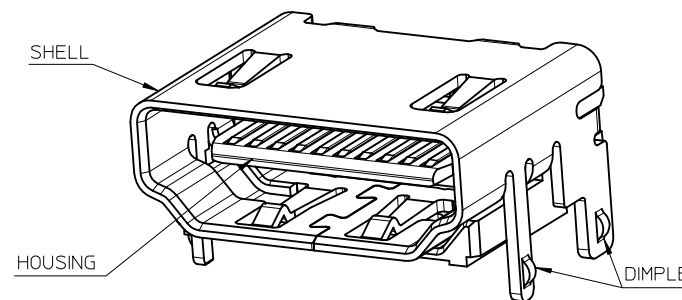
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JZENG	2006/02/21
CHECKED BY	DATE
DIXON	2006/02/21
APPROVED BY	DATE
GRATE MA	2006/02/21
MATERIAL NO.	
SEE TABLE	

TITLE	1.0 HDMI RIGHT ANGLE HEADER WITH DIMPLE TYPE LEAD FREE
MOLEX INCORPORATED	
DOCUMENT NO.	SD-47151-101
SHEET NO.	2 OF 4

10 9 8 7 6 5 4 3 2 1



WITH BACK COVER



NOTES:

1. THE UNSPECIFIED DIMENSIONS REFER TO 47151-8001.
2. PACKAGE SPECIFICATION FOR WITHOUT FLANGE:
47151-8131/8141/8161 REFER TO PK-47151-004,
47151-8031/8081/8091 REFER TO PK-47151-001.

47151-8131	0.76 MICROMETER MIN.	WITHOUT	WITH	WITHOUT
47151-8141	0.25 MICROMETER MIN.			
47151-8161	GOLD FLASH			
47151-8031	0.76 MICROMETER MIN.	WITHOUT	WITH	WITH
47151-8081	0.25 MICROMETER MIN.			
47151-8091	GOLD FLASH			
PART NO.	CONTACT AREA PLATING	FLANGE	BACK COVER	DIMPLE

REVISED	EC NO: SH2009-0502	2009/01/23	2009/02/10
DRWN: CWTANG	CHKD: XJSONG	APPR: HWANG	

QUALITY SYMBOLS
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$\nabla=0$

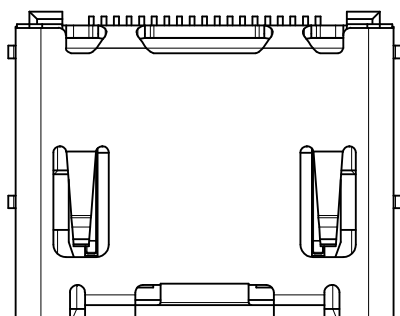
GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$ ---
2 PLACES	± 0.25	$\pm$ ---
1 PLACE	$\pm$ ---	$\pm$ ---
ANGULAR $\pm 3^\circ$		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
JZENG	2006/02/21
CHECKED BY	DATE
DIXON	2006/02/21
APPROVED BY	DATE
GRATE MA	2006/02/21
MATERIAL NO.	
SEE TABLE	
SIZE	A3

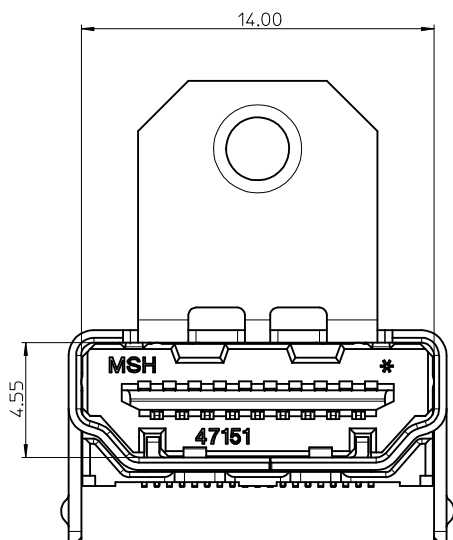
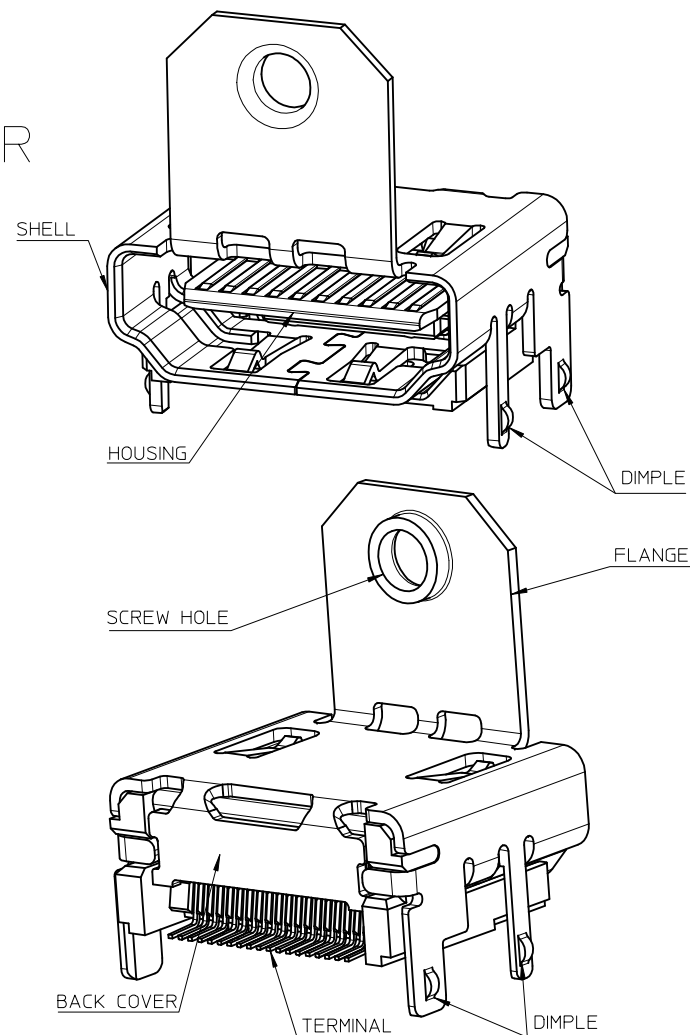
SCALE	1:1
DESIGN UNITS	METRIC
THIRD ANGLE PROJECTION	
TITLE	
1.0 HDMI RIGHT ANGLE HEADER WITH DIMPLE TYPE LEAD FREE	
MOLEX INCORPORATED	
DOCUMENT NO.	SD-47151-101
SHEET NO.	3 OF 4
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9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1



WITH BACK COVER



NOTES:

1. THE UNSPECIFIED DIMENSIONS REFER TO 47151-8011.
2. PACKAGE SPECIFICATION FOR WITH FLANGE REFER TO PK-47151-002.

47151-8521	0.25 MICROMETER MIN.	WITH	WITH	WITHOUT
47151-8321	GOLD FLASH			
47151-8121	0.76 MICROMETER MIN.			
47151-8221	GOLD FLASH	WITH	WITH	WITH
47151-8421	0.25 MICROMETER MIN.			
47151-8021	0.76 MICROMETER MIN.			
PART NO.	CONTACT AREA PLATING	FLANGE	BACK COVER	DIMPLE

REVISED	EC NO: SH2009-0502	2009/01/23	2009/02/10
DRWN: CWTANG	CHKD: XJSONG	APPR: HWANG	

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	
	mm INCH
4 PLACES	± --- ± ---
3 PLACES	± --- ± ---
2 PLACES	± 0.25 ± ---
1 PLACE	± --- ± ---
ANGULAR ± 3 °	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	

DIMENSION STYLE MM ONLY	
DRAWN BY	DATE
JZENG	2006/02/21
CHECKED BY	DATE
DIXON	2006/02/21
APPROVED BY	DATE
GRATE MA	2006/02/21
MATERIAL NO.	
SIZE	
A3	

SCALE 1:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
TITLE 1.0 HDMI RIGHT ANGLE HEADER WITH DIMPLE TYPE LEAD FREE		
 MOLEX INCORPORATED		
DOCUMENT NO. SD-47151-101		SHEET NO. 4 OF 4
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