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Part Number:

0476311000

Status:

Active

Overview:

high_definition_multimedia_interface_hdmi

Description:

0.50mm (.020") Pitch HDMI* Receptacle, Vertical, SMT, 0.76µm (30µ") Gold (Au) Plating, with side Flanges and Pick-and-Put Cover, 19 Circuits, Tray Packaging, Lead free

Documents:

3D Model

Drawing (PDF)

Product Specification PS-47152-001 (PDF)

RoHS Certificate of Compliance (PDF)

General

Product Family

Series

Application

Component Type

Overview

Product Name

Type

I/O Connectors

47631

Wire-to-Board

Receptacle

high_definition_multimedia_interface_hdmi

HDMI

N/A

Physical

Boot Color

Circuits (Loaded)

Circuits (maximum)

Color - Resin

Gender

Keying to Mating Part

Lock to Mating Part

Material - Metal

Material - Plating Mating

Material - Plating Termination

Material - Resin

Number of Rows

Orientation

PCB Locator

PCB Retention

Packaging Type

Panel Mount

Pitch - Mating Interface (in)

Pitch - Mating Interface (mm)

Pitch - Term. Interface (in)

Pitch - Term. Interface (mm)

Plating min: Mating (µin)

Plating min: Mating (µm)

Plating min: Termination (µin)

Plating min: Termination (µm)

Polarized to Mating Part

Polarized to PCB

Ports

Temperature Range - Operating

Termination Interface: Style

Waterproof / Dustproof

Wire Size AWG

N/A

19

19

Black

Male

Yes

Yes

Copper Alloy

Gold

Tin

High Temperature Thermoplastic

2

Vertical

Yes

Yes

Tray

With Flange

0.020 In

0.50 mm

0.020 In

0.50 mm

30

0.76

39

1

Yes

Yes

1

-20°C to +85°C

Surface Mount

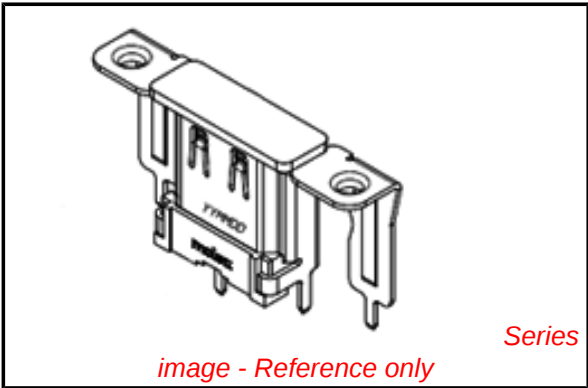
No

N/A

Electrical

Current - Maximum per Contact

0.5A



EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

Halogen-Free



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

47631Series

Voltage - Maximum	40V DC
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Solder Process Data

Duration at Max. Process Temperature (seconds)	3
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	250

Material Info

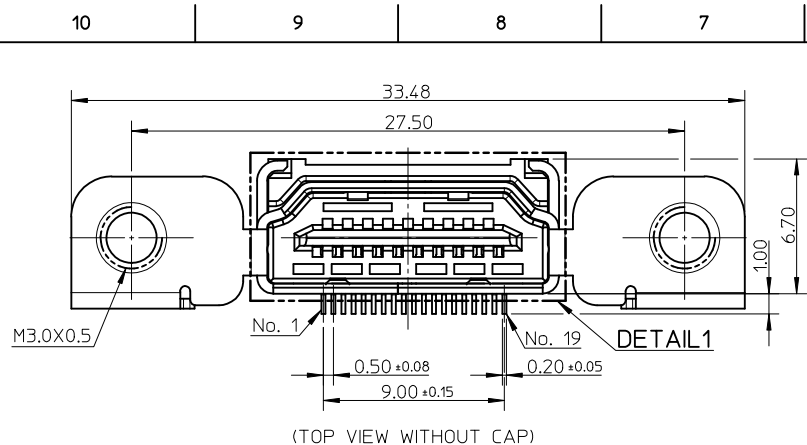
Reference - Drawing Numbers

Packaging Specification	PK-47631-002
Product Specification	PS-47152-001
Sales Drawing	SD-47631-100

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

This document was generated on 05/19/2010

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NOTES:

1. MATERIAL:

HOUSING/CAP: HIGH TEMPERATURE THERMAL PLASTIC. COLOR: BLACK.
SHELL: COPPER ALLOY.
TERMINAL: COPPER ALLOY.

2. PLATING:

TERMINAL:

CONTACT AREA: SEE TABLE.

SOLDER AREA: 1 MICROMETER MIN. TIN-BISMUTH ALLOY PLATED.

UNDER PLATE: 1 MICROMETER MIN. NICKEL.

SHELL: 1.27 MICROMETER MIN. SOLDERABLE NICKEL PLATE OVERALL.

3. COPLANARITY: 0.10mm MAX.

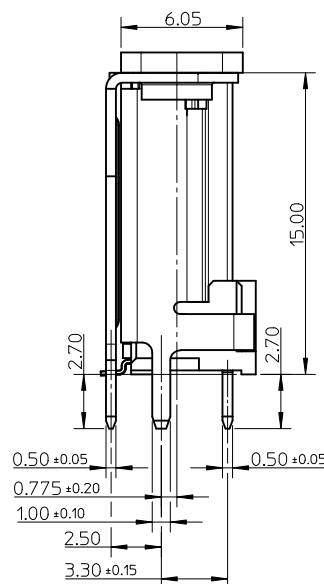
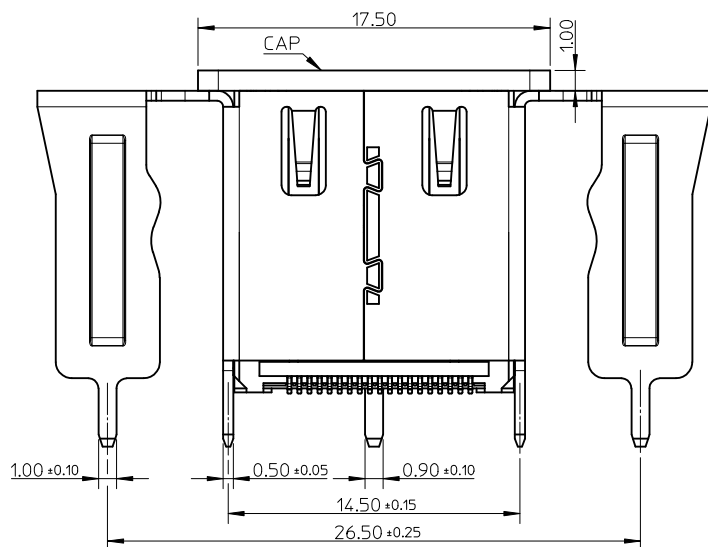
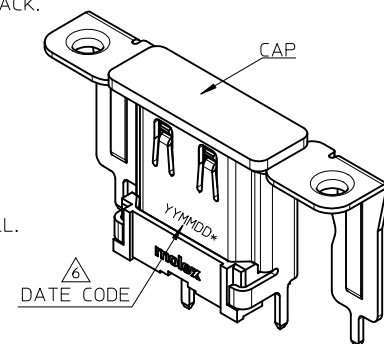
4. PRODUCT SPECIFICATION REFER TO PS-47152-001.

5. PACKAGE SPECIFICATION: SEE TABLE.

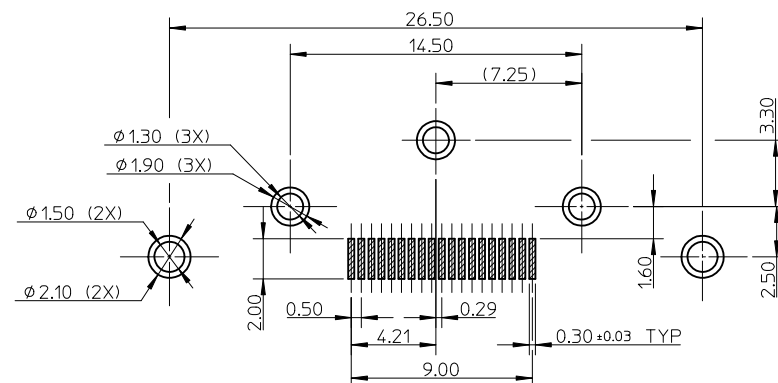
△ DATE CODE: YY: YEAR, MM: MONTH, DD: DAY,

*: MANUFACTURE FACTORY, C=CHENGDU, D=DONGGUAN.

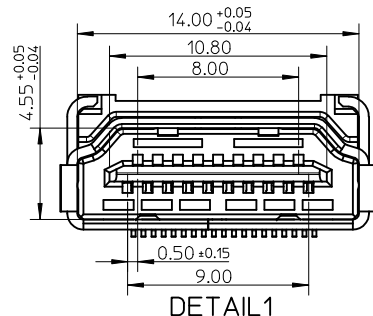
7. PRODUCT COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC.



P/N	CONTACT AREA PLATING	PACKAGE
47631-2000	0.38 MICROMETER MIN. GOLD PLATING	TAPE REEL, PK-47631-001
47631-3000	GOLD FLASH	
47631-1000	0.76 MICROMETER MIN. GOLD PLATING	TRAY, PK-47631-002
47631-2001	0.38 MICROMETER MIN. GOLD PLATING	
47631-3001	GOLD FLASH	



RECOMMENDED PCB LAYOUT (CONNECTOR SIDE)
GENERAL TOLERANCE: ±0.05, THICKNESS=1.6MM



REVISED	EC NO: SH2010-0165	DRWN:XOZHANG 2009/11/03 CHKD:GLI 2009/11/03 APPR:XJISONG 2010/01/28	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION			
							MM ONLY		4:1	METRIC				
				 =0	4 PLACES	± ---	± ---	DRAWN BY	DATE	TITLE HDMI RECEPTACLE VERTICAL SMT TYPE				
				 =0	3 PLACES	± ---	± ---	CHECKED BY	DATE					
				 =0	2 PLACES	± 0.20	± ---	JOHNSON	2007/11/06					
					1 PLACE	± 0.30	± ---	APPROVED BY	DATE	MOLEX INCORPORATED				
					ANGULAR ± 1 °		XJISONG	2010/01/26						
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-47631-100		SHEET NO. 1 OF 1				
			REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										