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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

I/O Connectors

Series

47631

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

Circuits (maximum)

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

Material - Resin

High Temperature Thermoplastic

Number of Rows

2

Orientation

Vertical

PCB Locator

Yes

PCB Retention

Yes

Packaging Type

Tray

Panel Mount

With 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)

39

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

0.5A

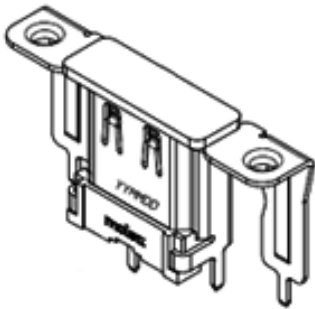


image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Not Reviewed

Halogen-Free

Status

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

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

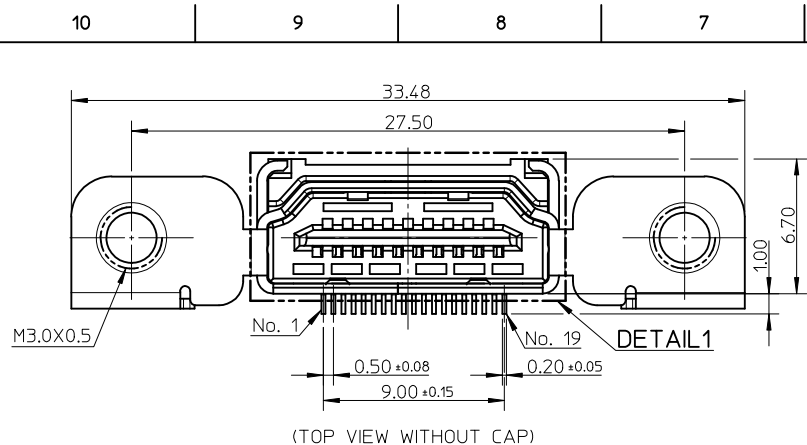
Reference - Drawing Numbers

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.

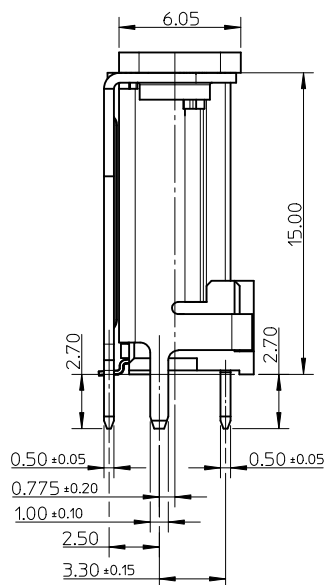
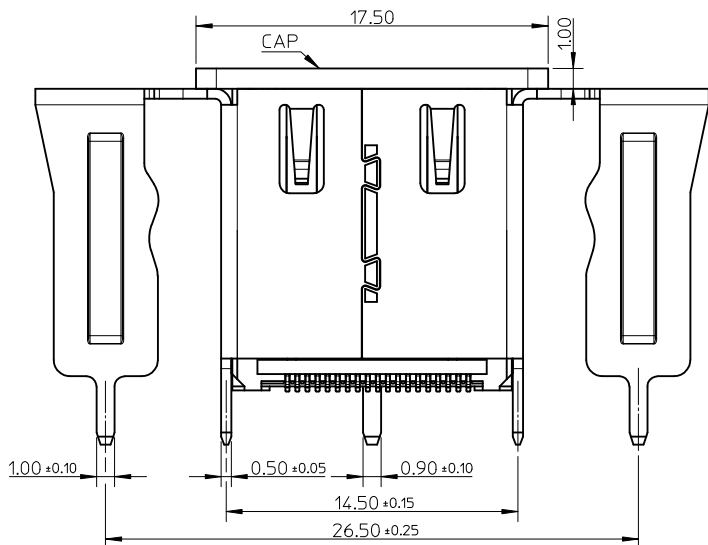
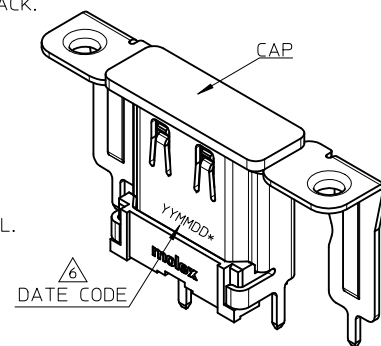
4. PRODUCT SPECIFICATION REFER TO PS-47152-001.

5. PACKAGE SPECIFICATION: SEE TABLE.

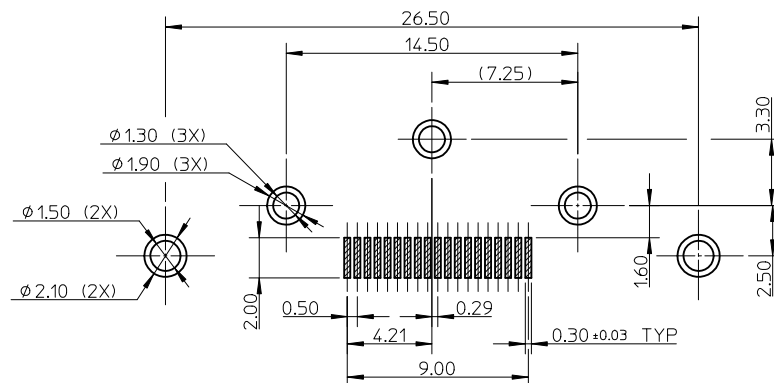
△ DATE CODE: YY: YEAR, MM: MONTH, DD: DAY,

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

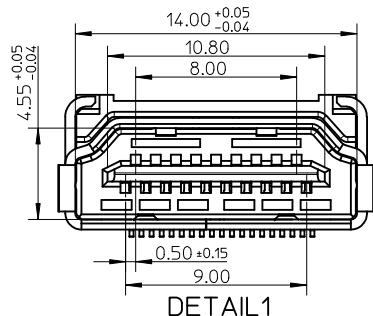
7. PRODUCT COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC.



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:XJSONG	2010/01/28	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION							
													MM ONLY		4:1	METRIC								
													DRAWN BY DATE		TITLE									
													CHEN BO 2007/11/06											
													CHECKED BY DATE		HDMI RECEPTACLE VERTICAL SMT TYPE									
													JOHNSON 2007/11/06											
													APPROVED BY DATE							MOLEX INCORPORATED				
													XJSONG 2010/01/26											
													MATERIAL NO.		DOCUMENT NO.					SHEET NO.				
													SEE TABLE		SD-47631-100					1 OF 1				
			SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
			A3																					