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Part Number:

0474080001

Status:

Active

Overview:

high_definition_multimedia_interface_hdmi

Description:

0.50mm (.020") Pitch HDMI* Receptacle, Right Angle, Reverse, without Dimple and Mylar, 0.76µm (30µ") Gold (Au) Plating, Matte Tin Plating on Shell, 19 Circuits, Lead free

Documents:

[3D Model](#)

[Drawing \(PDF\)](#)

[RoHS Certificate of Compliance \(PDF\)](#)

General	
Product Family	I/O Connectors
Series	47408
Application	Wire-to-Board
Comments	Without Dimple, Without Mylar
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	Brass
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Bismuth
Material - Resin	High Temperature Thermoplastic
Number of Rows	2
Orientation	Right Angle
PCB Locator	Yes
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Panel Mount	No
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

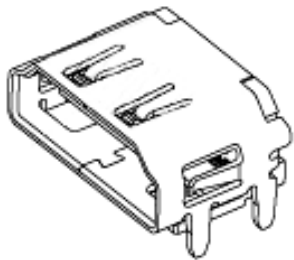


image - Reference only

Series

EU RoHS

ELV and RoHS

Compliant

REACH SVHC

Contains SVHC: No

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

47408Series

Mates With

HDMI Cables

Current - Maximum per Contact	0.5A
Shield Type	Full Shield
Shielded	Yes
Voltage - Maximum	40V DC

Solder Process Data

Duration at Max. Process Temperature (seconds)	10
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	1
Process Temperature max. C	250

Material Info

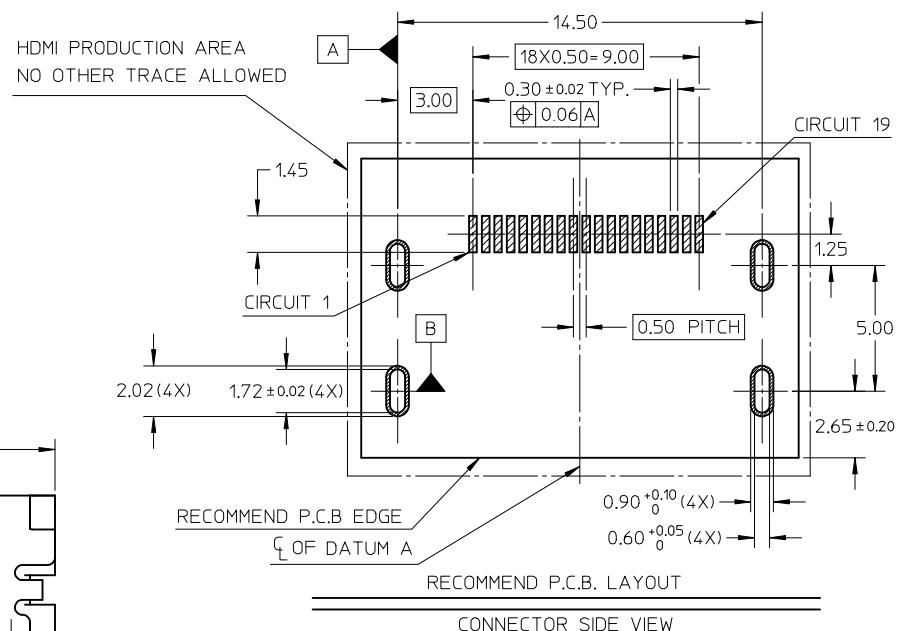
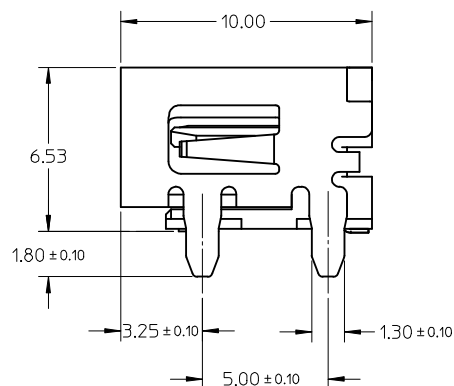
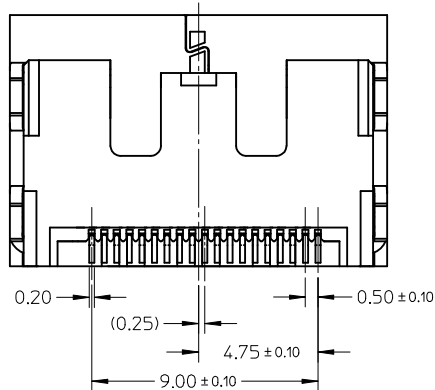
Reference - Drawing Numbers

Packaging Specification	PK-47408-001
Sales Drawing	SD-47408-001

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

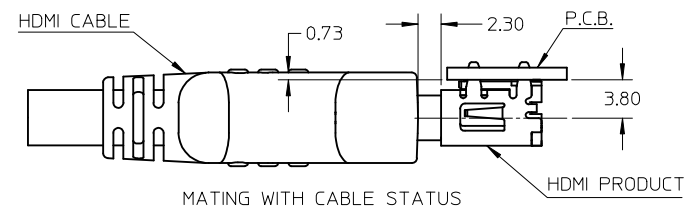
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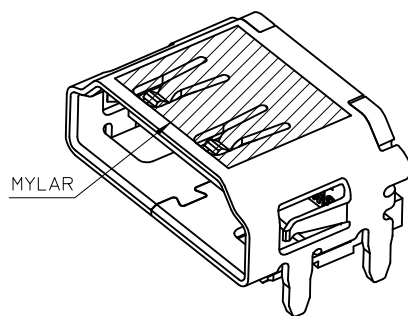
NOTES:

1. P.C.B. THICKNESS: $1.20 \pm 0.05\text{mm}$.
2. TOLERANCE OF UNSPECIFIED DIMENSIONS ARE $\pm 0.05\text{mm}$

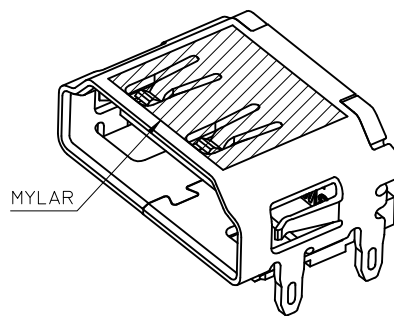


REVISED EC NO: SH2009-0145 DRAWN: CWTANG CHK'D: X JSONG APPR: HHWANG	2008/09/08 2008/09/10 2008/09/18	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 10:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION 				
					mm	INCH	DRAWN BY TXUE	DATE 2006/02/13	TITLE 1.0 HDMI RIGHT ANGLE HEADER ASSEMBLY(19 PIN) REVERSE LEAD FREE					
				4 PLACES	± ---	± ---	CHECKED BY JTIAN	DATE 2006/02/13						
				3 PLACES	± ---	± ---	APPROVED BY GRMA		DATE 2006/02/13	MOLEX INCORPORATED				
				2 PLACES	± 0.25	± ---								
				1 PLACE	± ---	± ---	ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.	SHEET NO.		
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE SHEET2		SD-47408-001		1 OF 2			
G				REV	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

	10	9	8	7	6	5	4	3	2	1
F	PART NO.	PLATING TYPE IN CONTACT AREA		PLATING TYPE ON SHELL	DIMPLE	REMARK	NOTES: 1. MATERIAL: HOUSING: HIGH TEMPERATURE THERMAL PLASTIC. SHELL: COPPER ALLOY. TERMINAL: COPPER ALLOY. 2. PLATING: TERMINAL: CONTACT AREA: SEE TABLE. SOLDER AREA: 1 MICROMETER MIN. TIN ALLOY PLATED. UNDER PLATE: 1.27 MICROMETER MIN. NICKEL. SHELL: 1.27 MICROMETER MIN. MATTE TIN AND NICKEL PLATE OVERALL. 3. COPLANARITY IS 0.1MM MAX. 4. PRODUCT SPECIFICATION REFER TO PS-47152-001. 5. COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND ELV DIRECTIVE 2000/53/EC.			
	474080001	GOLD PLATING 0.76 MICROMETER AND GOLD FASH		MATTE TIN	W/O	W/O MYLAR				
	474080101	GOLD PLATING 0.25 MICROMETER				WITH MYLAR				
	474080201	GOLD FLASH								
	474081001	GOLD PLATING 0.76 MICROMETER AND GOLD FASH			WITH	W/O MYLAR				
	474081101	GOLD PLATING 0.25 MICROMETER				WITH MYLAR				
474081201	GOLD FLASH									
E	474080011	GOLD PLATING 0.76 MICROMETER AND GOLD FASH		SOLDERABLE NICKEL	W/O	W/O MYLAR				
	474080111	GOLD PLATING 0.25 MICROMETER				WITH MYLAR				
	474080211	GOLD FLASH								
	474081011	GOLD PLATING 0.76 MICROMETER AND GOLD FASH			WITH	W/O MYLAR				
	474081111	GOLD PLATING 0.25 MICROMETER				WITH MYLAR				
	474081211	GOLD FLASH								
D	474082001	GOLD PLATING 0.76 MICROMETER AND GOLD FASH		SOLDERABLE NICKEL	W/O	W/O MYLAR				
	474082101	GOLD PLATING 0.25 MICROMETER				WITH MYLAR				
	474082201	GOLD FLASH								
	474083001	GOLD PLATING 0.76 MICROMETER AND GOLD FASH			WITH	W/O MYLAR				
	474083101	GOLD PLATING 0.25 MICROMETER				WITH MYLAR				
	474083201	GOLD FLASH								
	474082011	GOLD PLATING 0.76 MICROMETER AND GOLD FASH				W/O MYLAR				
	474082111	GOLD PLATING 0.25 MICROMETER				WITH MYLAR				
474082211	GOLD FLASH									
474083011	GOLD PLATING 0.76 MICROMETER AND GOLD FASH									
	474083111	GOLD PLATING 0.25 MICROMETER								
	474083211	GOLD FLASH								



WITHOUT DIMPLE



WITH DIMPLE

REVISED	EC NO: SH2009-0145	2008/09/08	2008/09/10	2008/09/18	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
									MM ONLY		10:1	METRIC		
G	DESCRIPTION	REV	=0	=0	4 PLACES ± --- ± ---			DRAWN BY		DATE		TITLE		
					3 PLACES ± --- ± ---			TXUE		2006/02/13				
					2 PLACES ± 0.25 ± ---			CHECKED BY		DATE				
					1 PLACE ± --- ± ---			JTIAN		2006/02/13				
					ANGULAR ± 3 °			APPROVED BY		DATE		MOLEX MOLEX INCORPORATED		
								GRMA		2006/02/13				
					DRAFT WHERE APPLICABLE			MATERIAL NO.		DOCUMENT NO.		SHEET NO.		
					MUST REMAIN			SEE TABLE		SD-47408-001		2 OF 2		
					WITHIN DIMENSIONS			SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX				
			A3		INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									