

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0476301000

Status:

Active

Overview:

high_definition_multimedia_interface_hdmi

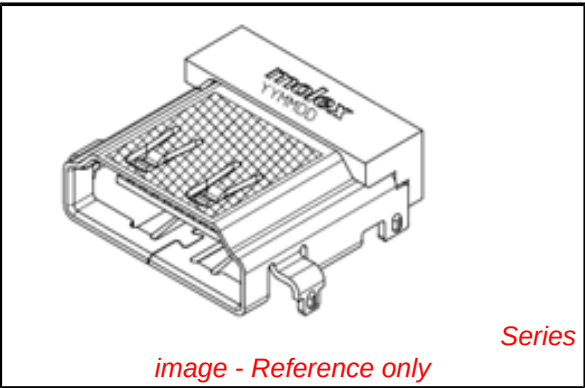
Description:

0.50mm (.020") Pitch HDMI* Receptacle, Right Angle, Mid-Mount, 0.76µm (30µ") Gold (Au) Plating, Shell Nickel (Ni) Plated, Tape and Reel Package, 19 Circuits, 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	47630
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
Durability (mating cycles max)	10,000
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	Yes
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Panel Mount	N/A
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
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-20°C to +85°C
Termination Interface: Style	Through Hole
Waterproof / Dustproof	No
Wire Size AWG	N/A

Electrical



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

47630Series

Mates With

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

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)	3
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	2
Process Temperature max. C	250

Material Info

Reference - Drawing Numbers

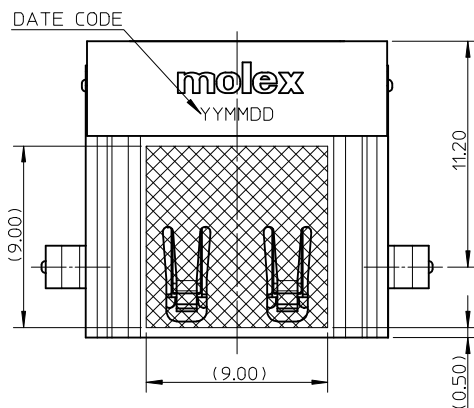
Packaging Specification	PK-47630-001
Product Specification	PS-47152-001
Sales Drawing	SD-47630-100

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

This document was generated on 05/19/2010

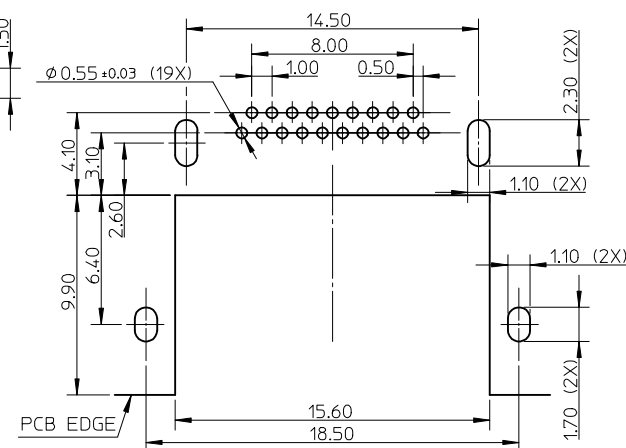
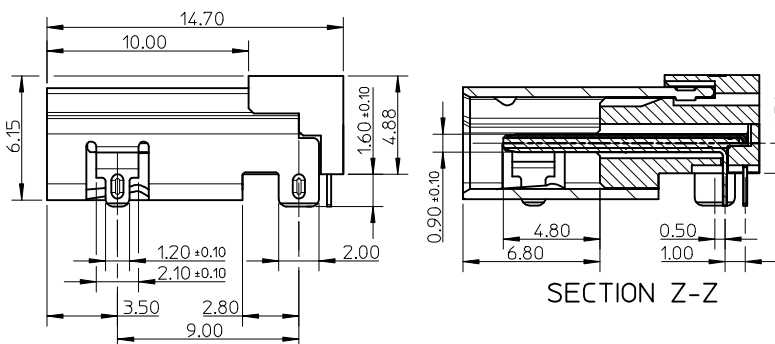
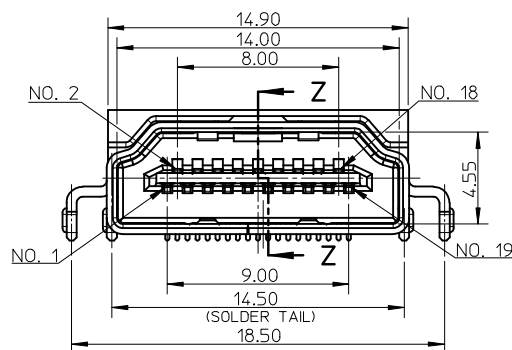
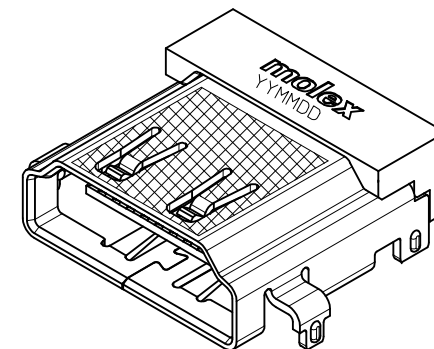
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10 9 8 7 6 5 4 3 2 1



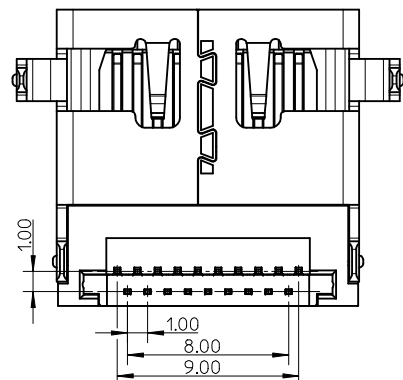
NOTES:

1. MATERIAL:
HOUSING/COVER: HIGH TEMPERATURE THERMAL PLASTIC,
UL94V-0, 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. PRODUCT SPECIFICATION REFER TO PS-47152-001.
4. PACKAGE SPECIFICATION REFER TO PK-47630-001.
5. PRODUCT COMPLIANT TO RoHS DIRECTIVE 2002/95/EC AND
ELV DIRECTIVE 2000/53/EC.



RECOMMENDED PCB LAYOUT
CONNECTOR SIDE
GENERAL TOLERANCE: ± 0.05
(THICKNESS=1.2MM)

47630-1012	GOLD FLASH	HALOGEN FREE
47630-1011	0.25 MICROMETER MIN. GOLD PLATING	
47630-1010	0.76 MICROMETER MIN. GOLD PLATING	HALOGEN
47630-1002	GOLD FLASH	
47630-1001	0.25 MICROMETER MIN. GOLD PLATING	DESCRIPTION
47630-1000	0.76 MICROMETER MIN. GOLD PLATING	
P/N	CONTACT AREA PLATING	



ADD PART NUMBER EC NO: SH2009-0698 DRWN:XQZHANG 2009/05/13 CHKD:XJ SONG 2009/05/13 APPR:HWANG 2009/07/19	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)			DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
				mm	INCH	DRAWN BY CHEN BO	DATE 2007/10/15	TITLE HDMI RECEPTACLE RIGHT ANGLE MID MOUNT TYPE		
			4 PLACES	± ---	± ---	CHECKED BY JOHNSON	DATE 2007/10/15			
			3 PLACES	± ---	± ---	APPROVED BY HARVEY	DATE 2007/10/15			
			2 PLACES	± 0.20	± ---	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-47630-100	SHEET NO. 1 OF 1	
			1 PLACE	± 0.30	± ---					
			ANGULAR ± 1 °							
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							

9 8 7 6 5 4 3 2 1