

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number:

0471518252

Status:

Active

Overview:

high_definition_multimedia_interface_hdmi

Description:

0.50mm (.020") Pitch HDMI* Receptacle, Right Angle, Front Solder Tab Length 1.80mm (.071"), Contact Gold (Au) Flash Plating, with Flange and Back Cover and Dimple, Tray Packaging, Black Housing, 19 Circuits, 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	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	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)	2
Plating min: Mating (µm)	0.05
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

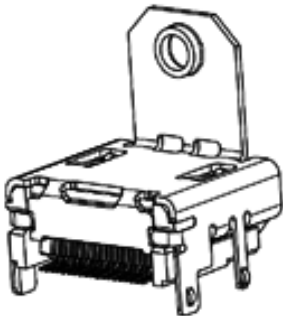


image - Reference only

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
-------------------	--------

Solder Process Data

Duration at Max. Process Temperature (seconds)	48
Lead-free Process Capability	Reflow Capable (SMT only)
Max. Cycles at Max. Process Temperature	2
Process Temperature max. C	255

Material Info

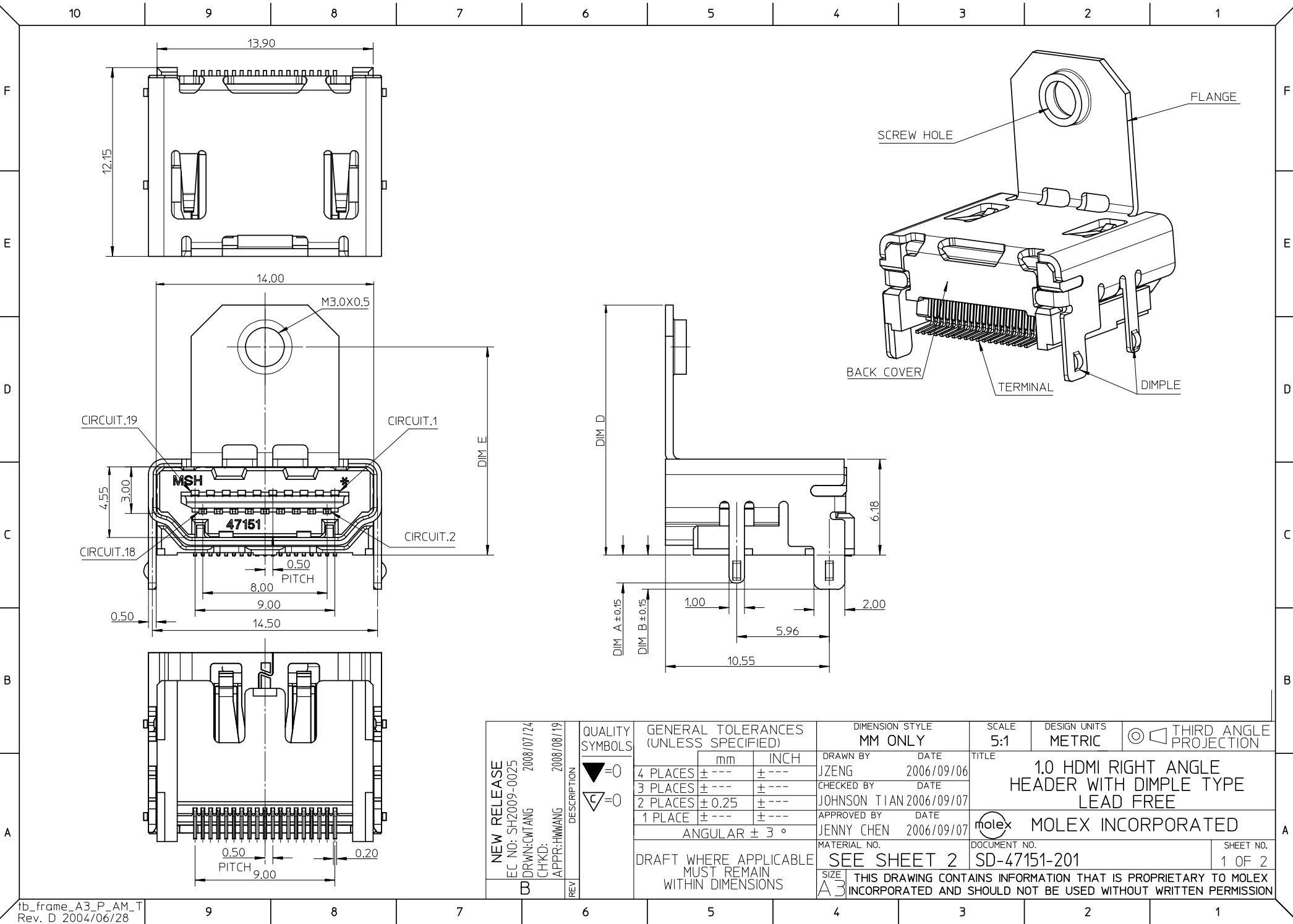
Reference - Drawing Numbers

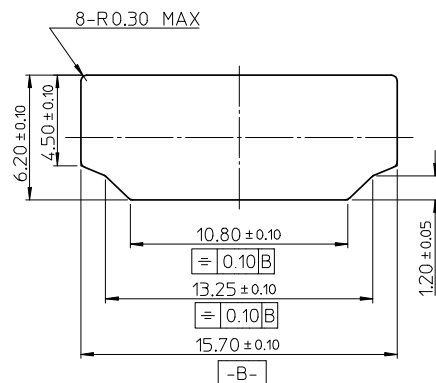
Packaging Specification	PK-47151-002
Product Specification	PS-47152-001
Sales Drawing	SD-47151-201

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

This document was generated on 05/19/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION





RECOMMENDED PANEL CUT OUT DIMENSION

8. PRODUCT COMPLIANT TO ROHS DIRECTIVE 2002/95/EC AND ELV 2000/53/EC.

47151-8351	1.80	2.20	0.20	N/A	N/A	WITHOUT	WITH	WITH	PLATING C
47151-8252	1.80	2.20	0.20	14.25	11.28	WITH	WITH	WITH	
47151-8341	1.80	2.20	0.20	N/A	N/A	WITHOUT	WITH	WITH	PLATING B
47151-8242	1.80	2.20	0.20	14.25	11.28	WITH	WITH	WITH	
47151-8331	1.80	2.20	0.20	N/A	N/A	WITHOUT	WITH	WITH	PLATING A
47151-8212	1.80	2.20	0.20	14.25	11.28	WITH	WITH	WITH	
PART NO.	A	B	C	D	E	FLANGE	BACK COVER	DIMPLE	CONTACT AREA PLATING

SEE SHEET 1 EC NO: SH2009-0025 DRAWN: CWTANG CHK'D: X. JONG APPR: HWWANG 2008/07/24 2008/08/19	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0		GENERAL TOLERANCES (UNLESS SPECIFIED) <table><tr><td></td><td>mm</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>3 PLACES</td><td>± ---</td><td>± ---</td></tr><tr><td>2 PLACES</td><td>± 0.25</td><td>± ---</td></tr><tr><td>1 PLACE</td><td>± ---</td><td>± ---</td></tr></table>			mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.25	± ---	1 PLACE	± ---	± ---	DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION
		mm	INCH																						
	4 PLACES	± ---	± ---																						
	3 PLACES	± ---	± ---																						
	2 PLACES	± 0.25	± ---																						
1 PLACE	± ---	± ---																							
REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	ANGULAR ± 3 °		DRAWN BY JZENG		DATE 2006/09/06		TITLE 1.0 HDMI RIGHT ANGLE HEADER WITH DIMPLE TYPE LEAD FREE																	
				CHECKED BY JOHNSON TIAN		DATE 2006/09/07																			
				APPROVED BY JENNY CHEN		DATE 2006/09/07		molex MOLEX INCORPORATED																	
				MATERIAL NO.		DOCUMENT NO. SD-47151-201				SHEET NO. 2 OF 2															
				SIZE A3		SEE CHART		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	