

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

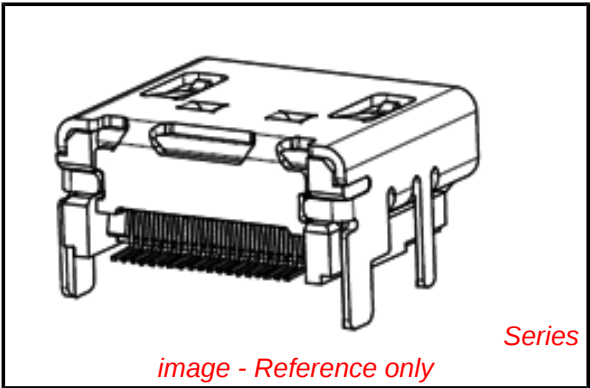
Part Number: [0471511311](#)
Status: **Active**
Overview: [high_definition_multimedia_interface_hdmi](#)
Description: 0.50mm (.020") Pitch HDMI* Receptacle, Right Angle, Gold (Au) Flash Plated Contacts, Front Solder Tab Length 1.80mm (.071"), Shell Gold (Au)Flash over Nickel (Ni) Plated, without Flange, with Back Cover, Natural Housing, Tape on Reel Packaging, 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 [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 Natural
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
Number of Rows 2
Orientation Right Angle
PCB Locator No
PCB Retention Yes
Packaging Type Embossed Tape on Reel
Panel Mount Without 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



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](#) HDMI Adapter

Voltage - Maximum

40V DC

Material Info

Reference - Drawing Numbers

Packaging Specification

PK-47151-001

Product Specification

PS-47152-001

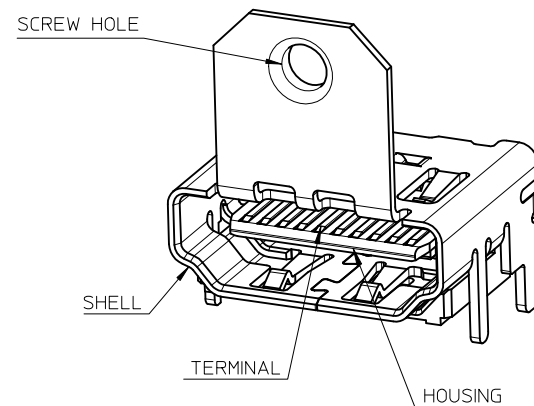
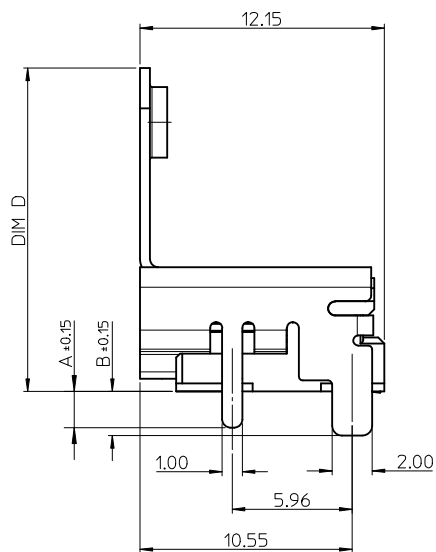
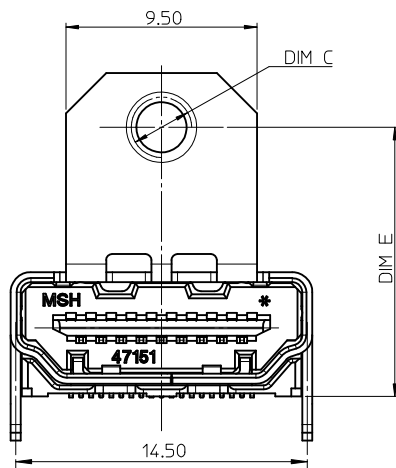
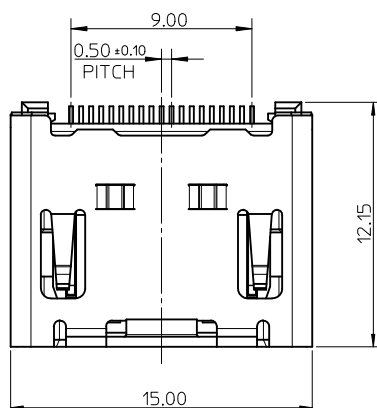
Sales Drawing

SD-47151-001

* 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



NOTES:

1. THE UNSPECIFIED DIMENSIONS REFER TO SHEET 1.
2. PACKAGE SPECIFICATION FOR WITH FLANGE REFER TO PK-47151-002.

SEE SHEET 1 EC NO: SH2010-0164 DRWN:XQZHANG CHKD:GLLI APPR:XJ SONG REV	QUALITY SYMBOLS ▽_A=0 ▽_C=0 ▽_P=0	DESCRIPTION 2009/10/20 2009/11/20 2009/11/30	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	◎ ◻ THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY RZHANG	DATE 2004/07/20	TITLE 1.0 HDMI RIGHT ANGLE HEADER ASSEMBLY(19 PIN) LEAD FREE molex MOLEX INCORPORATED		
			4 PLACES	± ---	± ---	CHECKED BY GRMA	DATE 2004/07/20			
			3 PLACES	± ---	± ---	APPROVED BY YTYAP	DATE 2004/07/20			
			2 PLACES	± 0.25	± ---	DOCUMENT NO. SD-47151-001				
1 PLACE		± 0.25	± ---	ANGULAR ± 3 °		SHEET NO. 2 OF 8				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE SHEET 6		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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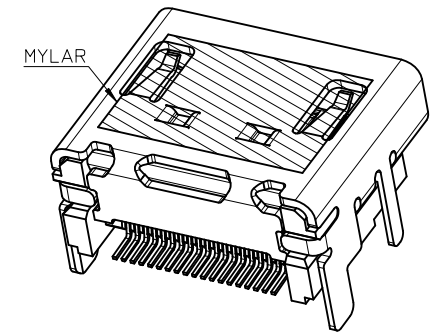
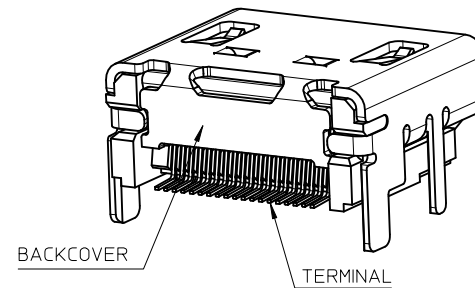
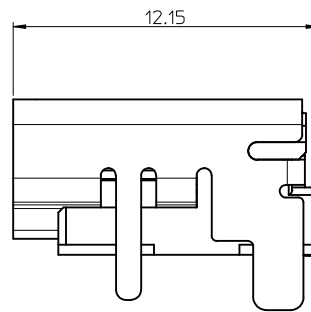
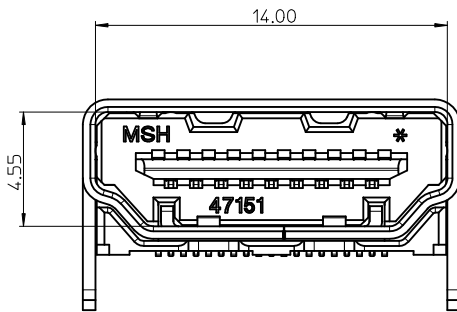
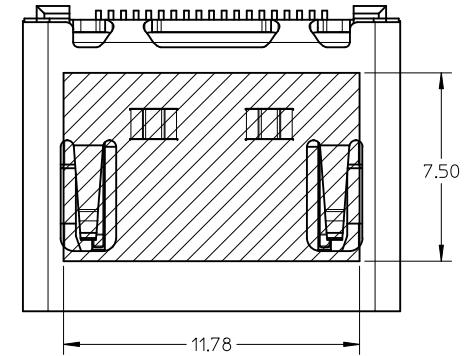
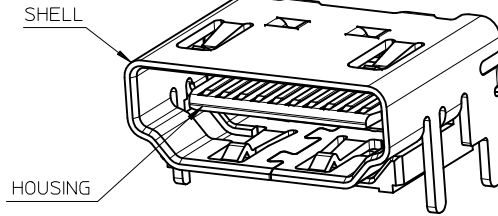
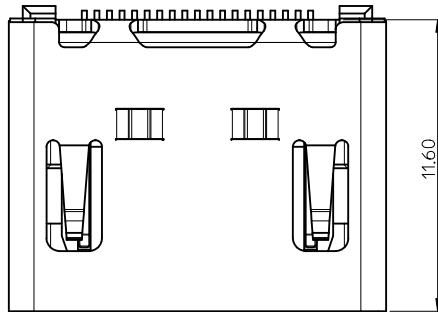
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WITH BACK COVER



NOTES:

1. THE UNSPECIFIED DIMENSIONS REFER TO 47151-0001.
2. PACKAGE SPECIFICATION FOR WITHOUT FLANGE REFER TO PK-47151-001.

THIS IS ONLY FOR 47151-1061/1071/1081

SEE SHEET 1 EC NO: SH2010-0164 DRWN:XQZHANG CHKD:GLLI APPR:XJSONG	DESCRIPTION REV	QUALITY SYMBOLS F_A=0 F_C=0 F_P=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 5:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION			
					DRAWN BY RZHANG		DATE 2004/07/20		TITLE 1.0 HDMI RIGHT ANGLE HEADER ASSEMBLY(19 PIN) LEAD FREE			
					CHECKED BY GRMA		DATE 2004/07/20					
					APPROVED BY YTYAP		DATE 2004/07/20					
					ANGULAR ± 3 °		MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE SHEET 7		SD-47151-001		3 OF 8			
					SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

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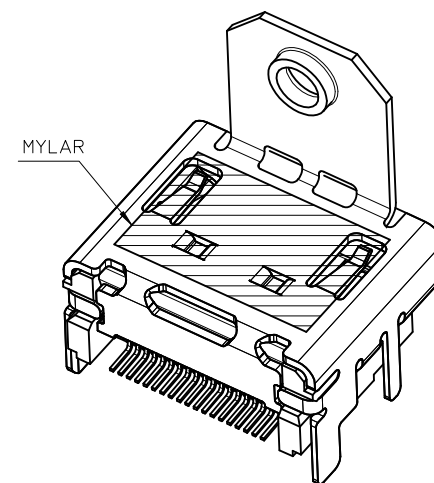
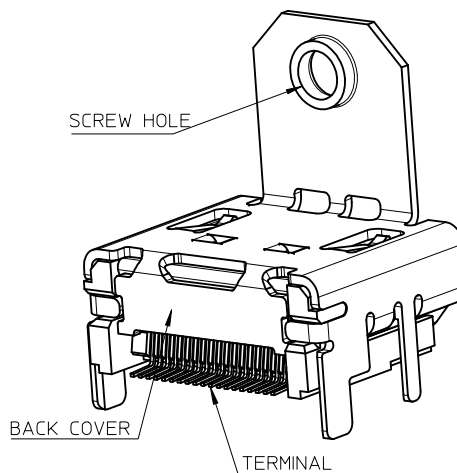
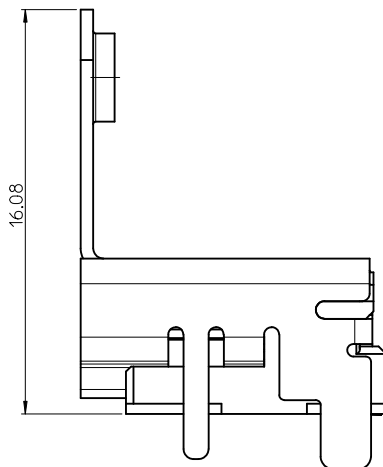
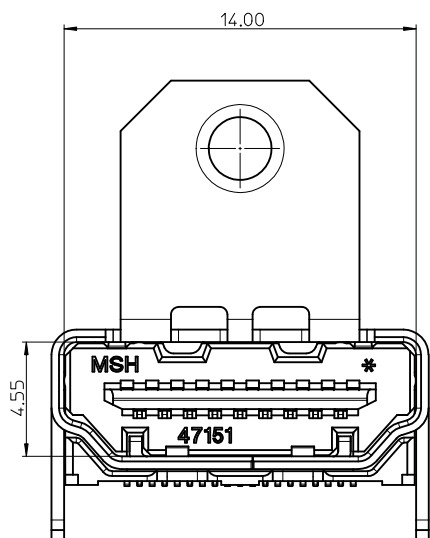
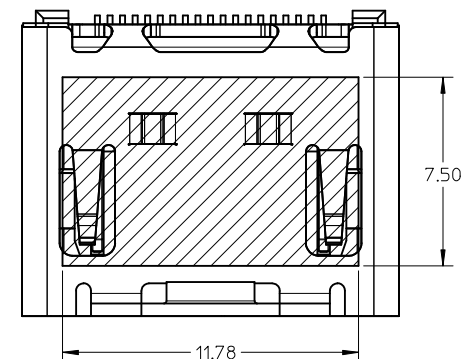
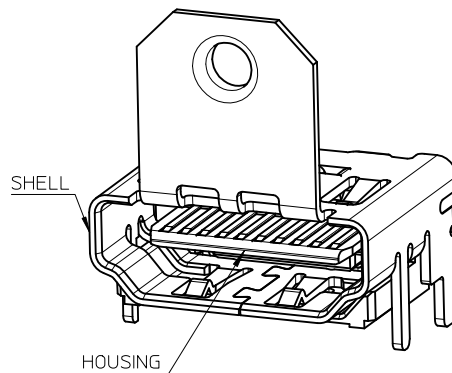
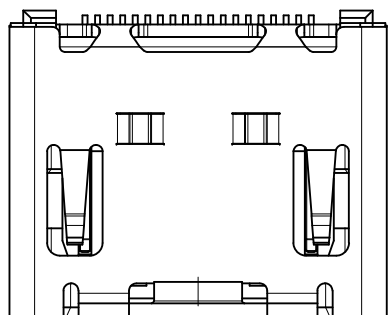
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WITH BACK COVER



THIS IS ONLY FOR
47151-1025/1075/1085/6022/6032/1026/2062

NOTES:

1. THE UNSPECIFIED DIMENSIONS REFER TO 47151-0002.
2. PACKAGE SPECIFICATION FOR WITH FLANGE:
OPTION 1: 47151-1026/2062/6032 REFER TO PK-47151-005.
OPTION 2: 47151-1102 REFER TO PK-47151-003.
OPTION 3: OTHER PART NUMBER REFER TO PK-47151-002.

SEE SHEET 1
EC NO: SH2010-0164
2009/10/20
DRW:XZhang
CHK:DGLI
2009/10/21
APPR:XJSong
2009/11/30

QUALITY SYMBOLS
F_A=0
F_G=0
F_P=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.25	± ---

ANGULAR ± 3 °

DRAFT WHERE APPLICABLE
MUST REMAIN
WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY	DATE
RZHANG	2004/07/20
CHECKED BY	DATE
GRMA	2004/07/20
APPROVED BY	DATE
YTYAP	2004/07/20

MATERIAL NO.

SEE SHEET 8

SCALE
5:1

DESIGN UNITS
METRIC

THIRD ANGLE PROJECTION

TITLE
1.0 HDMI RIGHT ANGLE
HEADER ASSEMBLY(19 PIN)
LEAD FREE

MOLEX INCORPORATED

DOCUMENT NO.
SD-47151-001

SHEET NO.
4 OF 8

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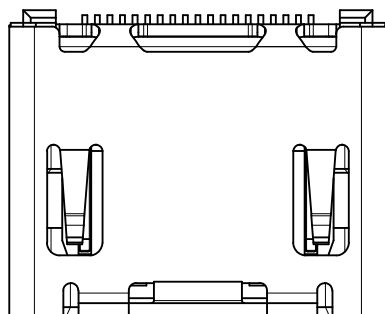
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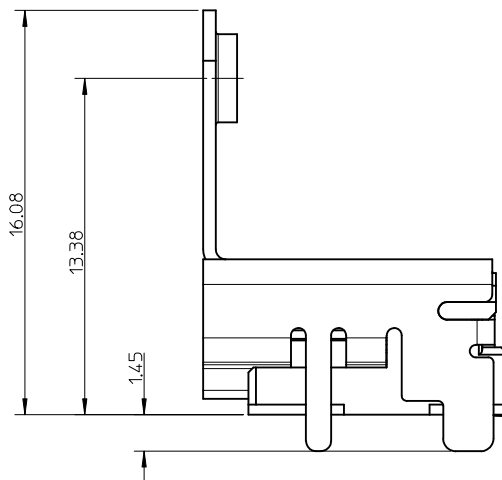
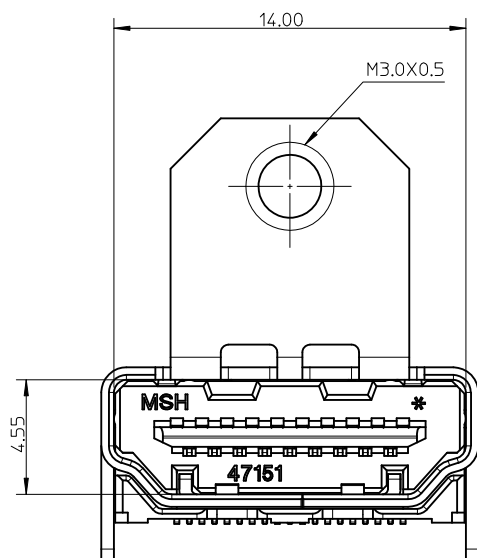
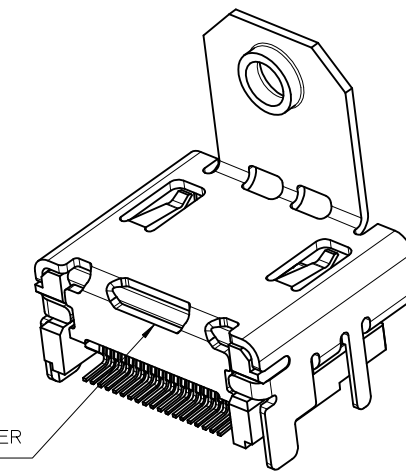
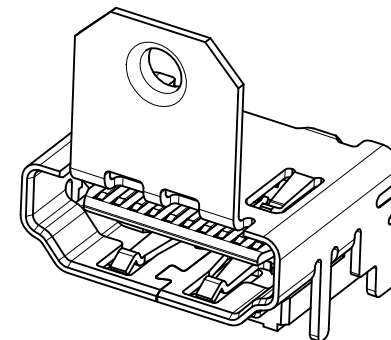
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WITHOUT TOP HOLE



NOTES:

1. THE UNSPECIFIED DIMENSIONS REFER TO 47151-1102.
2. PACKAGE SPECIFICATION FOR WITH FLANGE REFER TO PK-47151-002.

SEE SHEET 1	EC NO: SH2010-0164	2009/10/20
	DRWN:XZhang	2009/10/21
	CHKD:GLI	2009/11/30
	APPR:XJ.SONG	2009/11/30

REV	DESCRIPTION
1	QUALITY SYMBOLS
2	$\nabla_F = 0$
3	$\nabla_E = 0$
4	$\nabla_B = 0$

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	$\pm$ ---	$\pm$ ---
3 PLACES	$\pm$ ---	$\pm$ ---
2 PLACES	± 0.25	$\pm$ ---
1 PLACE	± 0.25	$\pm$ ---
ANGULAR $\pm 3^\circ$		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
RZHANG	2004/07/20
CHECKED BY	DATE
GRMA	2004/07/20
APPROVED BY	DATE
YTYAP	2004/07/20
MATERIAL NO.	
SEE SHEET 7	
SIZE	A3

SCALE	5:1
DESIGN UNITS	METRIC
THIRD ANGLE PROJECTION	
TITLE	
1.0 HDMI RIGHT ANGLE HEADER ASSEMBLY(19 PIN) LEAD FREE	
MOLEX INCORPORATED	
DOCUMENT NO.	SD-47151-001
SHEET NO.	5 OF 8

